

4.1.2 - 16

COST ESTIMATE - DESIGNER

SCHEMATIC DESIGN COST ESTIMATE – REVISION 4

01 JULY 2021

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

WAKEFIELD, MA



NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



PROJECT DETAILS

Basis of estimate

This estimate has been prepared at the request of DRA Architecture and is to provide a Schematic Design Cost Estimate of construction cost for the proposed Northeast Metropolitan Regional Technical High School located in Wakefield, Massachusetts.

The estimate is based upon measured quantities and built-up rates prepared from the Schematic Design submittal package dated May 19 2021, prepared by DRA Architecture and have been updated based on the Designers accepted value engineering ideas which includes narratives and sketches that have been issued to RLB on or before June 18, 2021.

Where information was insufficient, assumptions and allowances were made based wherever possible on discussions with the architect and engineers.

It is understood that the project will be procured using a CM/GC procurement arrangement where the CM/GC will be required to receive a minimum of three subcontract bids for each trade. It has been assumed that the CM/GC will only be allowed to self-perform work for the project under competitive bidding circumstances.

The estimate is based on the assumption that the CM/GC and all subcontractors will be required to pay prevailing wage rates.

Unit pricing is based on July 2021 costs. Construction cost escalation has been carried at 9.5% in the estimate and assumes a Q2 2022 construction start. A Design / Estimating contingency at 7.5% and a Construction Manager's Contingency at 2.5% has been included in the estimate.

Items specifically included

- . Please refer to Estimate Detail.

Items specifically excluded

- . Hazardous materials abatement, unless noted otherwise.
- . Rock excavation.
- . Costs associated with phasing the construction work, including out of hours work.
- . Furniture, Fittings and Equipment (FF&E).
- . Murals and works of art.
- . Mock-ups.
- . Work outside the site boundaries unless noted otherwise.
- . Special testing & inspections
- . Utility tap fees and charges
- . Permits & plan review fees
- . Owner's / Construction contingency.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



PROJECT DETAILS

- . Land and legal costs.
- . Architectural, Engineering and other professional fees.
- . Geotechnical, traffic and all other studies.
- . Items marked as "Excl." in the estimate.
- . Escalation beyond August 2023.

Documents

- . Please refer to Basis of Estimate.

DRAFT

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
A	Building			
A1	New School Building	380,570.00	356.08	135,512,607
A2	Locker/Athletic Support Building	6,060.00	392.39	2,377,869
A3	Maintenance Building	2,040.00	338.32	690,176
A4	Concessions/Restrooms	1,730.00	665.37	1,151,089
	Building	390,400.0	357.92	139,731,741
B	Sitework			38,658,328
	ESTIMATED NET COST	390,400	456.94	178,390,069

MARGINS & ADJUSTMENTS

Phasing / Temporary Works		Excl.
Design & Estimating Contingency	7.5 %	13,379,255
Escalation to Mid-Point of Construction (08/2023)	9.5 %	18,218,086
Sub-contractor Bonds	1.25 %	2,624,843
General Liability Insurance (per CM Pricing Exhibit 1)		2,410,793
Builder's Risk Insurance (per CM Pricing Exhibit 1)		365,272
Payment & Performance Bond (per CM Pricing Exhibit 1)		1,850,710
General Conditions (per CM Pricing Exhibit 1)		9,687,506
General Requirements (per CM Pricing Exhibit 1)		6,044,059
Allowance for Additional Requirements not included in CM Pricing Exhibit 1		1,000,000
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %	5,430,976
CM Fee (per CM Pricing Exhibit 1)	1.75 %	4,189,527
ESTIMATED TOTAL COST		243,591,096

NORTHEAST METROPOLITAN REGIONAL
TECHNICAL HIGH SCHOOL
SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 1 SUMMARY

A Building
A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
A	SUBSTRUCTURE		18.66	7,102,544
B	SHELL		123.63	47,049,999
C	INTERIORS		72.82	27,712,012
D	SERVICES		130.04	49,488,002
E	EQUIPMENT & FURNISHINGS		10.93	4,160,050
NEW SCHOOL BUILDING			356.08	135,512,607

NORTHEAST METROPOLITAN REGIONAL
TECHNICAL HIGH SCHOOL
SCHEMATIC DESIGN COST ESTIMATE - REVISION 4

RLB

Rider
Levett
Bucknall

LOCATION UNIFORMAT II - LEVEL 1 SUMMARY

A Building		GFAR: 6,060.00 SF		Cost/SF: 392.39
A2 Locker/Athletic Support Building		Rates Current At July 2021		
Ref	Description	%	GFAR USD/SF	Total Cost USD
A	SUBSTRUCTURE		81.12	491,603
B	SHELL		153.38	929,502
C	INTERIORS		51.57	312,509
D	SERVICES		106.31	644,255
LOCKER/ATHLETIC SUPPORT BUILDING			392.39	2,377,869

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 1 SUMMARY

A Building

A3 Maintenance Building

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
A	SUBSTRUCTURE		62.86	128,242
B	SHELL		80.11	163,434
C	INTERIORS		19.97	40,731
D	SERVICES		100.30	204,619
F	SPECIAL CONSTRUCTION & DEMOLITION		75.07	153,150
MAINTENANCE BUILDING			338.32	690,176

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 1 SUMMARY

A Building

A4 Concessions/Restrooms

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
A	SUBSTRUCTURE		130.06	225,003
B	SHELL		217.88	376,937
C	INTERIORS		73.44	127,046
D	SERVICES		229.54	397,103
E	EQUIPMENT & FURNISHINGS		14.45	25,000
CONCESSIONS/RESTROOMS			665.37	1,151,089

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 1 SUMMARY

B Sitework		Rates Current At July 2021		
Ref	Description	%	GFAR USD/SF	Total Cost USD
F	SPECIAL CONSTRUCTION & DEMOLITION			3,702,853
G	BUILDING SITEWORK			34,955,475
	SITWORK			38,658,328

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 1 SUMMARY

B Sitework

Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		13,379,255
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		18,218,086
	Sub-contractor Bonds	1.25 %		2,624,843
	General Liability Insurance (per CM Pricing Exhibit 1)			2,410,793
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			365,272
	Payment & Performance Bond (per CM Pricing Exhibit 1)			1,850,710
	General Conditions (per CM Pricing Exhibit 1)			9,687,506
	General Requirements (per CM Pricing Exhibit 1)			6,044,059
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			1,000,000
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		5,430,976
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		4,189,527
ESTIMATED TOTAL COST			623.95	243,591,096

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
A	Building			
A1	New School Building	380,570.00	356.08	135,512,607
	Building	380,570.0	356.08	135,512,607
	ESTIMATED NET COST	380,570	356.08	135,512,607

MARGINS & ADJUSTMENTS

Phasing / Temporary Works				Excl.
Design & Estimating Contingency	7.5 %			10,163,445
Escalation to Mid-Point of Construction (08/2023)	9.5 %			13,839,225
Sub-contractor Bonds	1.25 %			1,993,942
General Liability Insurance (per CM Pricing Exhibit 1)				1,831,340
Builder's Risk Insurance (per CM Pricing Exhibit 1)				277,476
Payment & Performance Bond (per CM Pricing Exhibit 1)				1,405,878
General Conditions (per CM Pricing Exhibit 1)				7,359,037
General Requirements (per CM Pricing Exhibit 1)				4,591,322
Allowance for Additional Requirements not included in CM Pricing Exhibit 1				759,641
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %			4,125,598
CM Fee (per CM Pricing Exhibit 1)	1.75 %			3,182,540
ESTIMATED TOTAL COST		380,570	486.22	185,042,051

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
A10	Foundations			
A1010	Standard Foundations		3.79	1,440,956
	Foundations		3.79	1,440,956
A20	Basement ConstructionSubgrade Enclosures			
A2010	Walls for Subgrade Enclosures		4.98	1,893,507
	Basement ConstructionSubgrade Enclosures		4.98	1,893,507
A40	Slabs-on-Grade			
A4010	Standard Slabs-on-Grade		5.44	2,071,203
A4090	Slab-on-Grade Supplementary Components		0.21	80,872
	Slabs-on-Grade		5.65	2,152,075
A60	Water and Gas Mitigation			
A6010	Building Subdrainage		1.51	576,166
A6020	Off-Gassing Mitigation		0.68	260,179
	Water and Gas Mitigation		2.20	836,345
A90	Substructure Related Activities			
A9010	Substructure Excavation		2.05	779,661
	Substructure Related Activities		2.05	779,661
B10	Superstructure			
B1010	Floor Construction		39.33	14,968,896
B1020	Roof Construction		18.31	6,968,617
B1080	Stairs		2.59	985,450
	Superstructure		60.23	22,922,963
B20	Exterior Vertical Enclosures			
B2010	Exterior Walls		45.42	17,286,796
B2050	Exterior Doors and Grilles		2.31	877,900
B2070	Exterior Louvers and Vents		0.21	79,800
	Exterior Vertical Enclosures		47.94	18,244,496
B30	Exterior Horizontal Enclosures			
B3010	Roofing		14.33	5,453,840
B3020	Roof Appurtenances		0.73	278,700
B3060	Horizontal Openings		0.39	150,000
	Exterior Horizontal Enclosures		15.46	5,882,540

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
C10	Interior Construction			
C1010	Interior Partitions		21.44	8,158,014
C1020	Interior Windows		6.55	2,493,230
C1030	Interior Doors		2.16	820,600
C1040	Interior Grilles and Gates		0.60	228,700
C1090	Interior Specialties		10.07	3,830,438
	Interior Construction		40.81	15,530,982
C20	Interior Finishes			
C2010	Wall Finishes		9.37	3,567,810
C2030	Flooring		11.11	4,228,883
C2040	Stair Finishes		0.35	132,295
C2050	Ceiling Finishes		11.17	4,252,042
	Interior Finishes		32.01	12,181,030
D10	Conveying			
D1010	Vertical Conveying Systems		1.30	495,000
	Conveying		1.30	495,000
D20	Plumbing			
D2010	Domestic Water Distribution		7.18	2,732,830
D2020	Sanitary Drainage		4.17	1,585,431
D2030	Building Support Plumbing Systems		3.08	1,170,490
D2050	General Service Compressed-Air		1.08	411,168
D2060	Process Support Plumbing Systems		2.15	818,193
	Plumbing		17.65	6,718,112
D30	HVAC			
D3020	Heat Systems		5.10	1,940,325
D3030	Cooling Systems		0.65	245,500
D3050	Facility HVAC Distribution Systems		48.87	18,597,589
D3070	Special Purpose HVAC Systems		3.81	1,449,701
	HVAC		58.42	22,233,115
D40	Fire Protection			
D4010	Fire Suppression		5.93	2,257,048
	Fire Protection		5.93	2,257,048

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
D50	Electrical			
D5020	Electrical Service and Distribution		9.43	3,588,851
D5030	General Purpose Electrical Power		7.50	2,852,963
D5040	Lighting		14.20	5,403,425
D5080	Miscellaneous Electrical Systems		2.90	1,102,706
	Electrical		34.02	12,947,945
D60	Communications			
D6010	Data Communications		4.85	1,844,916
D6020	Voice Communications			Excl.
D6030	Audio-Video Communication		1.73	658,084
D6060	Distributed Communications and Monitoring		1.00	380,395
	Communications		7.58	2,883,395
D70	Electronic Safety and Security			
D7010	Access Controls and Intrusion Detection		1.93	734,162
D7030	Electronic Surveillance		0.03	10,000
D7050	Detection and Alarm		3.10	1,179,225
D7090	Electronic Safety and Security Supplementary Components		0.08	30,000
	Electronic Safety and Security		5.13	1,953,387
E10	Equipment			
E1040	Institutional Equipment		0.59	225,000
E1070	Entertainment and Recreational Equipment		0.10	39,600
E1090	Other Equipment		8.54	3,251,000
	Equipment		9.24	3,515,600
E20	Furnishings			
E2010	Fixed Furnishings		1.69	644,450
	Furnishings		1.69	644,450
	NEW SCHOOL BUILDING		356.08	135,512,607

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		10,163,445
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		13,839,225
	Sub-contractor Bonds	1.25 %		1,993,942
	General Liability Insurance (per CM Pricing Exhibit 1)			1,831,340
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			277,476
	Payment & Performance Bond (per CM Pricing Exhibit 1)			1,405,878
	General Conditions (per CM Pricing Exhibit 1)			7,359,037
	General Requirements (per CM Pricing Exhibit 1)			4,591,322
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			759,641
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		4,125,598
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		3,182,540
ESTIMATED TOTAL COST			486.22	185,042,051

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
A10	FOUNDATIONS				
A1010	Standard Foundations				
515	Concrete to interior isolated footings, 4500 PSI - 10'x10'x2' (Academic wing)	CY	712.00	265.00	188,680
516	Concrete to exterior isolated footings, 4500 PSI - 10'x10'x2' (Academic wing)	CY	215.00	265.00	56,975
517	Concrete to interior isolated footings, 4500 PSI - 10'x10'x2' (Admin, Media Center, Cafe)	CY	134.00	265.00	35,510
518	Concrete to exterior isolated footings, 4500 PSI - 10'x10'x2' (Admin, Media Center, Cafe)	CY	289.00	265.00	76,585
519	Concrete to interior/ exterior isolated footings, 4500 PSI - 10'x10'x2' (Basement Shops and Auditorium)	CY	563.00	265.00	149,195
529	Concrete to strip footings - 1' thick, 4500 PSI	CY	159.63	265.00	42,302
586	Concrete to strip footings - 2' thick, 4500 PSI	CY	568.88	265.00	150,753
588	Concrete to mat footings - 2' thick, 4500 PSI	CY	8.20	265.00	2,173
521	Form isolated footing	SF	20,640.00	17.50	361,200
530	Form strip footings	SF	5,862.17	17.50	102,589
589	Form mat footings	SF	83.63	17.51	1,464
522	Bar reinforcement to isolated footing	Lb	121,818.45	1.40	170,546
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	72,764.59	1.40	101,870
590	Bar reinforcement to mat footings, allow 100 PCY	Lb	795.69	1.40	1,114
	Standard Foundations			3.79/SF	1,440,956
	FOUNDATIONS			3.79/SF	1,440,956
A20	BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES				
A2010	Walls for Subgrade Enclosures				
597	Concrete to basement retaining walls, 4500 PSI	CY	906.00	275.00	249,150
599	Concrete to buttressed walls, 4500 PSI	CY	61.00	275.00	16,775
598	Concrete to frost walls, 4500 PSI	CY	562.44	275.00	154,671
615	Concrete to elevator pit walls, 4500 PSI	CY	7.77	275.03	2,137
603	Form basement retaining walls	SF	20,460.00	21.50	439,890
604	Form buttressed walls	SF	3,255.00	21.50	69,983
605	Form frost walls	SF	18,932.52	17.50	331,320
616	Form elevator pit walls	SF	589.85	17.50	10,322

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
606	Bar reinforcement to basement retaining walls, allow 10 PSF	Lb	102,298.00	1.40	143,217
607	Bar reinforcement to buttressed walls, allow 10 PSF	Lb	16,275.00	1.40	22,785
608	Bar reinforcement to frost walls, allow 10 PSF	Lb	94,662.00	1.40	132,527
613	Bar reinforcement to elevator pit walls, allow 10 PSF	Lb	2,948.64	1.40	4,128
614	Waterproofing to basement retaining walls and footings and elevator pit walls and footings	SF	15,845.48	12.00	190,146
617	Dampproofing to frost wall	SF	9,466.65	4.00	37,867
618	Rigid insulation - 2" thick	SF	25,311.37	3.50	88,589
Walls for Subgrade Enclosures				4.98/SF	1,893,507
BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES				4.98/SF	1,893,507
A40	SLABS-ON-GRADE				
A4010	Standard Slabs-on-Grade				
500	Concrete to slab on grade - adjust from 5" to 4" thick, 4000 PSI	CY	611.00	250.00	152,750
501	Concrete to slab on grade - 6" thick, 4000 PSI	CY	1,494.49	250.00	373,622
502	Form slab on grade	SF	3,905.89	15.50	60,542
503	WWF reinforcement	SF	130,089.51	1.20	156,107
698	Allowance for bar reinforcement	Lb	65,045.23	1.40	91,063
796	Allowance for thicken slab under CMU	LF	1,503.00	100.00	150,300
504	Float finish to slab on grade	SF	130,089.51	1.50	195,135
505	Control joints	SF	130,089.51	0.75	97,567
506	Air and vapor barrier	SF	130,089.51	0.85	110,576
507	Rigid insulation - 2" thick	SF	130,089.51		Incl.
508	Excavation for slab on grade (included in Site preparation)	CY	7,877.87		Incl.
509	Remove and dispose of excavated material (included in Site preparation)	CY	7,877.87		Incl.
510	Prepare and compact sub-base	SF	130,089.51	1.50	195,135
513	Imported sand gravel fill - 12" thick	CY	4,818.13	50.00	240,906
703	Winter conditions	LS	1.00		Excl.
707	Mechanical pads	Item			52,500
710	Engineering, layout, safety, cleaning, etc.	Item			195,000
Standard Slabs-on-Grade				5.44/SF	2,071,203

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
A4090	Slab-on-Grade Supplementary Components				
514	Extruded polystyrene insulation, perimeter only 2' wide - 2" thick	SF	20,218.00	4.00	80,872
	Slab-on-Grade Supplementary Components			0.21/SF	80,872
	SLABS-ON-GRADE			5.65/SF	2,152,075
A60	WATER AND GAS MITIGATION				
A6010	Building Subdrainage				
619	Perimeter drain	LF	2,417.05	50.00	120,852
686	Under-slab drainage system	SF	130,089.51	3.50	455,314
	Building Subdrainage			1.51/SF	576,166
A6020	Off-Gassing Mitigation				
702	Allowance for radon mitigation	SF	130,089.51	2.00	260,179
	Off-Gassing Mitigation			0.68/SF	260,179
	WATER AND GAS MITIGATION			2.20/SF	836,345
A90	SUBSTRUCTURE RELATED ACTIVITIES				
A9010	Substructure Excavation				
591	Excavation for foundation footings (included in Site preparation)	CY	17,657.56		Incl.
593	Prepare and compact foundation sub-base	SF	37,879.41	1.50	56,820
594	Imported sand gravel fill below foundations - 12" thick	CY	1,403.49	50.00	70,174
595	Basement mass excavation (included with Earthwork)	CY	40,736.00		Incl.
654	Excavation for elevator pit	CY	28.36		Incl.
620	Imported foundation backfill	CY	13,607.58	30.00	408,227
691	Imported backfill to basement excavation	CY	8,148.00	30.00	244,440
	Substructure Excavation			2.05/SF	779,661
	SUBSTRUCTURE RELATED ACTIVITIES			2.05/SF	779,661
B10	SUPERSTRUCTURE				
B1010	Floor Construction				
535	Galvanised composite metal floor deck - allow 2" deep	SF	260,651.37	5.50	1,433,583
537	Structural steel framing - allow 15 PSF (Typical floor, Mezz)	T	1,708.6378	4,700.00	8,030,598
570	Structural steel framing - allow 20 PSF (2F above shops, Auditorium balcony)	T	71.5400	4,700.00	336,238

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
571	Structural steel framing - allow 22 PSF (2F above Automotive shop)	T	282.4800	4,700.00	1,327,656
538	Light weight concrete topping, overall 5-1/4" thick, 4000 PSI	CY	4,224.15	400.00	1,689,660
539	WWF reinforcement to floor deck	SF	260,651.37	1.25	325,814
540	Float finish to concrete topping	SF	260,651.37	2.25	586,465
572	Moment connection	EA	50.00	700.00	35,000
648	Expansion joint	LF	1,633.00	100.00	163,300
748	Wood floor deck - 2 layers 3/4" FRT plywood subfloor on 2x10 floor joists (Mezz)	SF	752.00	50.00	37,600
749	Geofoam rigid insulation (Auditorium stage) - 2'-5" high	SF	2,204.00	10.00	22,040
750	Geofoam rigid insulation (Auditorium slope flooring)	SF	2,871.00	6.50	18,662
542	Allowance for miscellaneous connections and framings	T	170.8677		Incl.
543	Allowance for spray applied fireproofing (members only)	SF	260,651.37	3.50	912,280
720	Allowance for shear studs - assumed included with tonnage	EA	65,163.58		Incl.
722	Allowance for pour stops and bent plates - assumed included with tonnage	LF	11,645.26		Incl.
809	Allowance for miscellaneous equipment pads (above ground)	LS	1.00	50,000.00	50,000
Floor Construction				39.33/SF	14,968,896
B1020 Roof Construction					
546	Galvanized corrugated roof deck - 3" deep, type N	SF	127,609.33	5.50	701,852
562	Acoustic galvanized corrugated roof deck - 3" deep, type NA (Gym)	SF	14,673.00	12.00	176,076
558	Galvanised composite metal floor deck - allow 2" deep (Vegetated roof, Media Center Patio)	SF	12,660.00	5.00	63,300
547	Structural steel framing - allow 13 PSF (Gym)	T	95.3800	4,700.00	448,286
564	Structural steel framing - allow 14 PSF	T	893.2605	4,700.00	4,198,324
563	Structural steel framing - allow 18 PSF (Vegetated roof, Media Center Patio)	T	113.9400	4,700.00	535,518
548	Light weight concrete topping, overall 5-1/4" thick, 4000 PSI	CY	470.00	400.00	188,000
549	WWF reinforcement to floor deck	SF	28,967.00	1.25	36,209
550	Float finish to concrete topping	SF	28,967.00	2.25	65,176
567	Moment connection	EA	50.00	700.00	35,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
551	Allowance for miscellaneous connections and framings	T	1,102.5704		Incl.
649	Expansion joint	LF	267.00	100.00	26,700
688	Allowance for structural framing to roof screen, 8 PSF	T	8.0800	6,100.00	49,288
719	Allowance for spray applied fireproofing (members only)	SF	154,941.34	3.50	542,295
721	Allowance for shear studs - assumed included with tonnage	EA	3,165.00		Incl.
846	Remove overhang along West side; metal roof deck	SF	2,364.00	-5.50	-13,002
847	Remove overhang along West side; structural framing	T	16.5500	-5,100.00	-84,405
Roof Construction				18.31/SF	6,968,617
B1080 Stairs					
747	Metal stairs with concrete filled pans and landing - 4'-6" wide	FT/R	17.00	1,850.00	31,450
661	Metal stairs with concrete filled pans and landing - 5'-0" wide	FT/R	54.00	2,000.00	108,000
662	Metal stairs with concrete filled pans and landing - 5'-6" wide	FT/R	108.00	2,500.00	270,000
663	Metal stairs with concrete filled pans and landing - 8'-0" wide	FT/R	48.00	3,500.00	168,000
665	Metal stairs with concrete filled pans and landing - 10'-0" wide	FT/R	48.00	4,000.00	192,000
664	Metal stairs with concrete filled pans and landing - 10'-6" wide	FT/R	48.00	4,500.00	216,000
Stairs				2.59/SF	985,450
SUPERSTRUCTURE				60.23/SF	22,922,963
B20 EXTERIOR VERTICAL ENCLOSURES					
B2010 Exterior Walls					
48	Aluminum curtain wall system, with insulating glass	SF	34,024.00	125.00	4,253,000
49	Aluminum storefront system, with insulating glass	SF	20,275.00	110.00	2,230,250
98	Insulated translucent wall panel system with glazed operable sashes	SF	3,908.00	125.00	488,500
22	1-1/2" thick Granite veneer	SF	4,721.00	110.00	519,310
1	Travertine veneer	SF	2,431.00	80.00	194,480
30	Insulated metal panel	SF	31,346.91	65.00	2,037,549
23	Flat-lock metal tile	SF	4,179.78	55.00	229,888
28	Phenolic panel (mahogany)	SF	20,790.00	75.00	1,559,250

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
44	Corrugated insulated metal panel	SF	3,626.00	30.00	108,780
29	4" Thick CMU Veneer	SF	10,692.54	35.00	374,238
26	Exterior cladding to rotunda dome base, allow metal panel	SF	282.00	55.00	15,510
160	Extend roof membrane to perimeter wall	SF	1,409.00	8.00	11,272
162	Cladding to Rotunda base, assumes wood panel	SF	697.00	85.00	59,245
128	Cladding to entrance columns	SF	193.00	125.00	24,125
165	Building trim at South elevation, assumes metal panel with wood appearance	LF	500.00	200.00	100,000
72	8" Thick CMU back-up	SF	9,416.46	25.00	235,412
71	12" Thick CMU back-up	SF	13,258.00	30.00	397,740
25	ACM Panel system at cornice	SF	27,581.00	55.00	1,516,955
74	8" Metal stud back-up, sheathing, interior GWB lining	SF	48,703.91	20.00	974,078
73	6" Metal stud back-up, sheathing, interior GWB lining	SF	7,123.71	18.00	128,227
151	3 5/8" Metal stud back-up, sheathing	SF	2,404.00	10.00	24,040
27	Metal wall panel; ACM rainscreen system to crown ribs, including back-up	SF	4,198.00	85.00	356,830
136	Metal wall panel; ACM rainscreen system to exterior window sill at West elevation, including back-up	SF	3,224.00	85.00	274,040
150	Metal wall panel; ACM rainscreen system to exterior window mullion at West elevation	SF	434.00	85.00	36,890
154	ACM Panel system at horizontal entrance soffit / window bay soffit	SF	4,205.00	95.00	399,475
89	3" Thick rigid insulation	SF	17,816.77	5.00	89,084
90	3" Thick batt insulation	SF	43,293.69	4.00	173,175
91	4" Thick mineral fiber insulation	SF	20,790.00	4.00	83,160
95	Fluid applied air-vapor barrier	SF	50,553.65	8.00	404,429
190	Allowance for miscellaneous sealing and caulking	SF	139,110.00	1.50	208,665
842	Insulated metal panel ILO of curtain wall system (refer to sketches A2 Exterior Elevation)	SF	818.00	107.00	87,526
843	Curtain wall system replaced by insulated panels	SF	818.00	-125.00	-102,250
844	Remove overhang along West side; ACM cornice panels	SF	2,753.00	-55.00	-151,415
858	Remove segmented curtainwalls	SF	3,074.00	-110.00	-338,140
859	Straight curtainwalls ILO segmented	SF	2,993.00	110.00	329,230
860	Remove segmented first floor storefront system	SF	1,064.00	-110.00	-117,040

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
861	Brick veneer ILO segmented storefront, including backing system	SF	1,064.00	67.00	71,288
Exterior Walls				45.42/SF	17,286,796
B2050	Exterior Doors and Grilles				
100	14'-0" x 14'-0" Motor operated overhead door with insulating glass	EA	8.00	55,000.00	440,000
101	12'-0" x 14'-0" Motor operated overhead door with insulating glass	EA	4.00	45,000.00	180,000
122	8'-0" x 14'-0" Insulated overhead coiling door	EA	1.00	10,000.00	10,000
125	2 @ 3'-0" x 7'-0" Double leaf aluminum door, including frame, finish, and hardware	Pair	1.00	7,500.00	7,500
97	2 @ 3'-0" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	14.00	7,500.00	105,000
126	2 @ 3'-0" x 8'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	6.00	8,300.00	49,800
130	2 @ 3'-6" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	4.00	8,400.00	33,600
135	2 @ 3'-0" x 7'-0" Double leaf hollow metal door, including frame, finish, and hardware	Pair	3.00	2,500.00	7,500
152	2 @ 3'-10" x 7'-0" Double leaf hollow metal door, including frame, finish, and hardware	Pair	1.00	3,000.00	3,000
120	3'-0" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware	EA	9.00	3,700.00	33,300
133	3'-5" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware	EA	1.00	4,150.00	4,150
134	3'-0" x 7'-0" Single leaf hollow metal door, including frame, finish, and hardware	EA	3.00	1,350.00	4,050
Exterior Doors and Grilles				2.31/SF	877,900
B2070	Exterior Louvers and Vents				
99	Louver	SF	798.00	100.00	79,800
Exterior Louvers and Vents				0.21/SF	79,800
EXTERIOR VERTICAL ENCLOSURES				47.94/SF	18,244,496
B30	EXTERIOR HORIZONTAL ENCLOSURES				
B3010	Roofing				
164	PVC Membrane roofing; single ply membrane over cover board on 6 1/2" min. roof insulation	SF	74,813.00	25.00	1,870,325

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
156	PVC Membrane roofing; single ply membrane over cover board on 6 1/2" min. tapered roof insulation	SF	59,100.00	25.00	1,477,500
163	PVC Membrane roofing; single ply membrane over cover board on 1 1/2" min. tapered roof insulation	SF	19,266.00	25.00	481,650
169	Tapered insulation cricket (premium over PVC roofing)	SF	18,177.00	7.00	127,239
43	Exterior linear metal ceiling with wood appearance at horizontal entrance soffit	SF	925.00	125.00	115,625
158	Metal coping on top of exterior wall (building signage wall)	SF	271.00	50.00	13,550
159	Metal coping on top of exterior wall (Rotunda balcony wall)	SF	765.00	50.00	38,250
174	Metal coping on top of exterior wall (rooftop playground perimeter wall)	SF	175.00	50.00	8,750
348	Semi-intensive green roof	SF	6,059.00	40.00	242,360
352	Intensive green roof	SF	1,482.00	60.00	88,920
349	Extensive green roof	SF	8,767.00	60.00	526,020
350	Flagstone	EA	20.00	1,500.00	30,000
351	Stabilized stonedust paving	SF	1,666.00	2.00	3,332
354	Rooftop pavers over adjustable pedestals at rotunda balcony (premium over EPDM roofing)	SF	1,198.00	50.00	59,900
353	Pedestal roof deck concrete pavers, type C	SF	4,418.00	45.00	198,810
355	Pedestal roof deck concrete pavers, type D	SF	450.00	45.00	20,250
358	Rooftop playground - poured in place rubber safety surfacing	SF	3,612.00	25.00	90,300
359	Rooftop playground - synthetic turf mound	SF	211.00	25.00	5,275
191	Allowance for miscellaneous trims and flashings	SF	153,178.00	0.75	114,884
845	Remove overhang along West side; PVC roofing	SF	2,364.00	-25.00	-59,100
Roofing				14.33/SF	5,453,840
B3020	Roof Appurtenances				
168	Roof hatch	EA	3.00	3,000.00	9,000
181	7'-6" High RTU screen	LF	270.00	800.00	216,000
182	1'-6" High metal guardrail at Rotunda balcony	LF	192.00	100.00	19,200
183	7'-0" High metal guardrail / gate at rooftop playground	LF	115.00	300.00	34,500
Roof Appurtenances				0.73/SF	278,700

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
B3060	Horizontal Openings				
96	Glazed dome, prefabricated self-supporting insulating glass in aluminum framing	SF	750.00	200.00	150,000
	Horizontal Openings			0.39/SF	150,000
	EXTERIOR HORIZONTAL ENCLOSURES			15.46/SF	5,882,540
C10	INTERIOR CONSTRUCTION				
C1010	Interior Partitions				
129	Wire mesh partition - 7'-7" high	LF	128.00	380.00	48,640
131	Premium for single leaf gate	EA	2.00	500.00	1,000
132	Premium for double leaf gate	Pair	9.00	1,000.00	9,000
267	CMU partition, 8" thick	SF	101,227.24	25.00	2,530,681
268	CMU partition, 12" thick	SF	33,959.01	30.00	1,018,770
486	CMU partition, 18" thick - assume 12"+6"	SF	6,244.00	55.00	343,420
414	Gypsum board partition - 3-5/8" metal stud with 1 layer 5/8" GWB on both side with 3-1/2" acoustic batt insulation (Type G4.0)	SF	642.00	9.50	6,099
408	Gypsum board partition - 6" metal stud with 1 layer 5/8" GWB on both side with 5" acoustic batt insulation (Type G6.0)	SF	59,303.00	11.50	681,985
415	Gypsum board partition - 6" metal stud with 2 layer 5/8" GWB one side and 1 layer 5/8" GWB another side with 5" acoustic batt insulation (Type G6.0A)	SF	55,237.00	14.00	773,318
412	Gypsum board partition - 6" metal stud with 2 layer 5/8" GWB on both sides with 5" acoustic batt insulation (Type G6.0B)	SF	51,838.00	16.50	855,327
409	Gypsum board partition - 6" metal stud with 2 layer 5/8" GWB on both sides with 5" acoustic batt insulation, 2 hour fire rated (Type G6.2)	SF	8,525.00	20.00	170,500
487	Gypsum board partition - 6" double metal stud with 1 layer 5/8" GWB on both sides with 5" acoustic batt insulation	SF	4,870.00	15.50	75,485
464	Gypsum board partition - 2x4 wood stud with 1 layer 5/8" GWB on both sides	SF	2,508.00	8.00	20,064
459	Gypsum board furring - 7/8" metal stud with 1 layer 5/8" GWB (Type F1.0)	SF	4,463.00	4.00	17,852
410	Gypsum board furring - 3-5/8" metal stud with 1 layer 5/8" GWB (Type F4.0)	SF	12,571.32	5.00	62,857

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
432	Gypsum board furring - 3-5/8" metal stud with 2 layer 5/8" GWB (Type F4.0A)	SF	5,373.00	7.50	40,298
411	Gypsum board furring - 6" metal stud with 1 layer 5/8" GWB (Type F6.0)	SF	11,738.00	6.00	70,428
413	Gypsum board furring - 6" metal stud with 2 layer 5/8" GWB (F6.0A)	SF	375.00	8.50	3,188
433	Shaft wall - 6" CH stud with 1" Gypsum liner panel on side and 2 layers 5/8" GWB another side with 5-1/2" acoustic batt insulation, 2 hour fire rated (Type S6.2)	SF	19,491.00	20.00	389,820
488	Allowance for miscellaneous sealing and caulking	SF	380,395.00	0.75	285,296
489	Allowance for miscellaneous fire stopping	SF	380,395.00	0.25	95,099
806	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Masonry Trade)	SF	380,395.00	0.50	190,197
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	380,395.00	1.25	475,494
850	Interior walls ILO of fire rated glass	SF	813.00	50.00	40,650
852	Reduce interior CMU walls by 10%	SF	14,143.00	-27.55	-389,640
853	GWB walls ILO of CMU	SF	14,143.00	22.50	318,218
855	GWB ILO of transom	SF	1,248.00	16.00	19,968
857	GWB ILO of sidelights	SF	250.00	16.00	4,000
Interior Partitions				21.44/SF	8,158,014
C1020 Interior Windows					
112	Fixed interior borrowed lights with safety glass	SF	7,478.00	80.00	598,240
153	Interior storefront	SF	6,166.00	90.00	554,940
166	Interior fixed window	SF	2,081.00	75.00	156,075
137	Interior security transaction window - 4'-0" x 6'-0"	EA	1.00	2,000.00	2,000
138	Interior acoustically rated sliding window - 8'-8" x 3'-8"	EA	1.00	5,000.00	5,000
155	Fire rated glazing system - 2 hour fire rated	SF	8,130.00	175.00	1,422,750
794	Premium for color art glass panels	SF	177.00	50.00	8,850
849	Reduce fire rated partition by 10%	SF	813.00	-175.00	-142,275
854	Remove door transom	SF	1,248.00	-75.00	-93,600
856	Reduce all sidelights to 18" wide	SF	250.00	-75.00	-18,750
Interior Windows				6.55/SF	2,493,230

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
C1030	Interior Doors				
102	Single leaf hollow metal doors, including frame, finish and hardware (Athletic and BOH area)	EA	40.00	1,350.00	54,000
103	Double leaf hollow metal doors, including frame, finish and hardware (Athletic and BOH area)	Pair	10.00	2,500.00	25,000
104	Single leaf hollow metal doors, including frame, finish and hardware (High Bay Shops)	EA	29.00	1,350.00	39,150
105	Double leaf hollow metal doors, including frame, finish and hardware (High Bay Shops)	Pair	7.00	2,500.00	17,500
106	Single leaf wooden doors, including frame, finish and hardware (Shops)	EA	78.00	1,250.00	97,500
107	Double leaf wooden doors, including frame, finish and hardware (Shops)	Pair	12.00	2,700.00	32,400
108	Single leaf hollow metal doors, including frame, finish and hardware (Kitchen)	EA	13.00	1,350.00	17,550
109	Double leaf hollow metal doors, including frame, finish and hardware (Kitchen)	Pair	2.00	2,500.00	5,000
110	Single leaf stainless steel doors, including frame, finish and hardware (Kitchen)	EA	4.00	2,000.00	8,000
115	Single leaf wooden doors, including frame, finish and hardware	EA	208.00	1,250.00	260,000
116	Double leaf wooden doors, including frame, finish and hardware	Pair	37.00	2,700.00	99,900
140	Single leaf acoustical wooden doors, including frame, finish and hardware (Auditorium)	EA	2.00	1,500.00	3,000
139	Double leaf acoustical wooden doors, including frame, finish and hardware (Auditorium)	Pair	12.00	3,250.00	39,000
117	Single leaf glass doors, including frame, finish and hardware	EA	3.00	3,700.00	11,100
118	Double leaf glass doors, including frame, finish and hardware	Pair	13.00	7,500.00	97,500
121	2@3'-0" x 9'-0" Double leaf wooden sliding barn doors, including frame, finish and hardware	Pair	4.00	3,500.00	14,000
	Interior Doors			2.16/SF	820,600
C1040	Interior Grilles and Gates				
113	4'-6 3/8" x 3'-9 1/8" Stainless Steel rolling doors, including frame, finish and hardware (Dish return)	EA	1.00	3,500.00	3,500

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
114	8'-5" x 12'-0" Overhead rolling grills, including frame, finish and hardware (Servery)	EA	3.00	11,300.00	33,900
119	8'-0" x 8'-0" Overhead coiling doors, including frame, finish and hardware	EA	2.00	9,000.00	18,000
123	30'-10" x 12'-0" Fire rated folding doors, including frame, finish and hardware (2 hours fire rated)	EA	1.00	111,000.00	111,000
124	12'-3" x 9'-4" Fire rated folding doors, including frame, finish and hardware (2 hours fire rated)	EA	1.00	34,300.00	34,300
127	10'-0" x 9'-4" Fire rated folding doors, including frame, finish and hardware (2 hours fire rated)	EA	1.00	28,000.00	28,000
Interior Grilles and Gates				0.60/SF	228,700
C1090	Interior Specialties				
277	Restroom accessories - Toilet partition	EA	35.00	1,200.00	42,000
287	Restroom accessories - Toilet partition, ADA	EA	13.00	1,500.00	19,500
302	Restroom accessories - Urinal partition	EA	59.00	650.00	38,350
280	Restroom accessories - Tissue paper dispenser	EA	86.00	50.00	4,300
281	Restroom accessories - Grab bar	EA	173.00	100.00	17,300
305	Restroom accessories - Shower grab bar	Set	7.00	150.00	1,050
282	Restroom accessories - Napkin disposal	EA	54.00	150.00	8,100
283	Restroom accessories - Robe hook	EA	85.00	30.00	2,550
284	Restroom accessories - Soap dispenser	EA	84.00	50.00	4,200
285	Restroom accessories - Shower curtain and rod	EA	7.00	150.00	1,050
304	Restroom accessories - Shower seat	EA	7.00	500.00	3,500
291	Restroom accessories - Framed mirror	EA	85.00	800.00	68,000
292	Restroom accessories - Towel dispenser/waste receptacle	EA	55.00	700.00	38,500
303	Restroom accessories - Baby changing table	EA	2.00	500.00	1,000
299	Metal guardrail to stairs	LF	871.00	300.00	261,300
759	Metal handrail to stairs	LF	614.00	150.00	92,100
802	Metal railing to auditorium	LF	168.00	250.00	42,000
300	Wire mesh guardrail	LF	421.00	300.00	126,300
301	Glass guardrail	LF	272.00	500.00	136,000
754	Allowance for elevator pit ladder, cover, etc	EA	2.00	1,000.00	2,000
319	Allowance for markerboards - 4'x4'	EA	62.00	200.00	12,400
339	Allowance for markerboards - 6'x4'	EA	116.00	300.00	34,800

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
320	Allowance for tackboards - 4'x4'	EA	116.00	155.00	17,980
335	Allowance for tackboards - 8'x4'	EA	54.00	300.00	16,200
321	Allowance for visual display rails	Item			10,000
329	Metal lockers - 2 tier 15"x15" (Corridors)	EA	800.00	650.00	520,000
346	Metal lockers - 2 tier 15"x15" (Shops)	EA	418.00	650.00	271,700
330	Welded metal lockers - combination tier (Athletic Locker)	EA	169.00	800.00	135,200
347	Welded metal lockers - 1 tier (Team Locker)	EA	244.00	800.00	195,200
753	Allowance for janitor accessories	EA	9.00	500.00	4,500
327	Allowance for cubicle curtain at nurse's area	EA	2.00	1,500.00	3,000
328	Allowance for corner guards	Item			5,000
331	Allowance for closet and utility shelving	Item			5,000
332	Allowance for AED with cabinets	EA	12.00	2,000.00	24,000
293	Allowance for miscellaneous metals	SF	380,395.00	1.00	380,395
294	Allowance for rough carpentry	SF	380,395.00	0.75	285,296
295	Allowance for wood blocking	SF	380,395.00	1.25	475,494
296	Allowance for fire extinguisher and cabinets	EA	152.68	850.00	129,778
297	Allowance for interior signage	SF	380,395.00	0.75	285,296
298	Allowance for exterior signage	Item			15,000
807	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	380,395.00	0.25	95,099
Interior Specialties				10.07/SF	3,830,438
INTERIOR CONSTRUCTION				40.81/SF	15,530,982
C20	INTERIOR FINISHES				
C2010	Wall Finishes				
141	Ceramic tile	SF	48,416.89	16.50	798,879
142	Thin porcelain tile	SF	23,957.00	18.00	431,226
143	P-lam panels	SF	20,000.00	55.00	1,100,000
144	Wood veneer panels	SF	1,669.00	50.00	83,450
145	Travertine tile	SF	2,192.00	30.00	65,760
146	Flat lock metal tiles	SF	6,223.00	80.00	497,840
147	Decorative fabric metal panels	SF	659.00	65.00	42,835
148	FRP panels	SF	5,611.00	18.00	100,998
781	Vinyl wall covering (Auditorium)	SF	1,187.00	40.00	47,480

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
782	Fabric wrap acoustical panel	SF	660.00	28.00	18,480
170	Prepare and apply epoxy paint	SF	155,615.10	3.00	466,845
171	Prepare and apply paint to CMU	SF	126,253.06	1.25	157,816
172	Prepare and apply paint to GWB	SF	144,271.00	1.25	180,339
173	Prepare and apply paint to precast concrete	SF	14,622.00	1.25	18,278
797	Allowance for window sills	LF	3,379.00		Excl.
841	Plastic laminate sills ILO solid wood sills	LF	3,379.00	50.00	168,950
870	AO1W1 - Thin Porcelain tile ILO Travertine (Cafeteria South wall)	LS	1.00	-19,347.00	-19,347
871	AO1W2 - Thin Porcelain tile ILO Phenolic panel (Cafeteria East & North wall)	LS	1.00	-25,773.00	-25,773
872	AO1W3 - Thin Porcelain tile ILO Travertine (Lobby North wall)	LS	1.00	-6,866.00	-6,866
873	AO1W4 - Thin Porcelain tile ILO Phenolic panel (Auditorium Lobby North, East & West walls)	LS	1.00	-77,710.00	-77,710
874	AO1W5 - Thin Porcelain tile ILO Flat lock tile (Elevator surround walls)	LS	1.00	-112,223.00	-112,223
875	AO1W6 - Wall paint ILO Phenolic panel (Auditorium vestibules)	LS	1.00	-92,345.00	-92,345
876	AO1W7 - Thin Porcelain tile ILO Phenolic panel (Restaurant corridor & Bank)	LS	1.00	-33,783.00	-33,783
877	AO1W8 - Wall paint ILO Phenolic panel (School store)	LS	1.00	-63,956.00	-63,956
878	AO1W9 - Reduce ceramic tile wainscot height from 6'-4 1/2" to 5'-0" (Corridors of all floors)	LS	1.00	-83,644.00	-83,644
879	AO1W10 - Reduce ceramic tile height from Full height to 5'-0" (Corridor corners of all floors)	LS	1.00	-7,018.00	-7,018
880	AO1W13 - Perforated metal round panel ILO Flat lock panel (Auditorium)	LS	1.00	-88,701.00	-88,701
Wall Finishes				9.37/SF	3,567,810
C2030 Flooring					
2	Athletic sport flooring	SF	2,954.00	16.00	47,264
3	Carpet	SY	2,173.00	50.00	108,650
4	Ceramic mosaic tile	SF	6,096.23	20.00	121,925
5	Sealed concrete	SF	76,623.43	1.50	114,935
6	Epoxy flooring and base	SF	13,031.54	12.00	156,378
7	Epoxy terrazzo and base	SF	28,895.92	35.00	1,011,357

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
8	Foot grille carpet - athletic cleat resistant	SF	825.00	70.00	57,750
9	Linoleum	SF	66,718.00	7.00	467,026
14	Rubber tile	SF	54,970.00	15.00	824,550
16	Rubber tile - athletic cleat resistant	SF	950.00	45.00	42,750
17	Sheet vinyl with integral base	SF	56,153.00	8.50	477,301
18	Sheet vinyl - slip resistant	SF	4,325.00	8.50	36,763
19	Walk off carpet	SY	213.00	65.00	13,845
20	Wood athletic flooring	SF	12,469.00	19.00	236,911
21	Wood sprung stage flooring	SF	2,221.00	25.00	55,525
10	Resilient base	LF	25,244.00	5.00	126,220
11	Ceramic tile base	LF	3,340.04	20.00	66,801
12	Vent rubber base	LF	487.00	7.00	3,409
13	Moisture mitigation - not required	SF	222,214.00		Excl.
815	Allowance for high performance adhesive in-lieu-of moisture mitigation	SF	222,214.00	2.15	477,760
862	AO1F1 - Porcelain paver tile ILO Terrazzo floor (Cafeteria & Staff Lunch room)	LS	1.00	-73,049.00	-73,049
863	AO1F2 - Porcelain paver tile ILO Terrazzo floor (Main corridor b/t Lobby)	LS	1.00	-24,814.00	-24,814
864	AO1F3 - Porcelain paver tile ILO Terrazzo floor (Restaurant, Café and Restaurant corridor)	LS	1.00	-10,439.00	-10,439
865	AO1F4 - Linoleum ILO Terrazzo floor (School store)	LS	1.00	-11,012.00	-11,012
866	AO1F5 - Rubber stair landing ILO Terrazzo stair landing (Near Auditorium)	LS	1.00	-12,567.00	-12,567
867	AO1F6 - Rubber flooring ILO Terrazzo flooring (Corridor to Locker rooms)	LS	1.00	-28,096.00	-28,096
868	AO1F7 - Rubber flooring ILO Terrazzo flooring (Corridor to Early Childhood Ed.)	LS	1.00	-28,459.00	-28,459
869	AO1F8 - Forbo Flotex ILO Rubber tile (Collab at 2-4/F)	LS	1.00	-29,801.00	-29,801
Flooring				11.11/SF	4,228,883
C2040	Stair Finishes				
15	Rubber stair treads and risers	SF	8,819.69	15.00	132,295
Stair Finishes				0.35/SF	132,295
C2050	Ceiling Finishes				
31	Acoustic ceiling (ACT-1)	SF	180,639.76	7.00	1,264,478

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
32	Acoustic ceiling (ACT-2)	SF	8,027.00	7.00	56,189
33	Acoustic ceiling (ACT-3)	SF	12,764.00	7.00	89,348
34	Acoustic ceiling (ACT-4)	SF	4,478.00	10.00	44,780
46	Acoustic preformed ceiling panels	SF	2,654.00	50.00	132,700
35	Aluminum vertical blade ceiling system (non acoustic - per DRA)	SF	4,861.00	25.00	121,525
36	Aluminum composite material	SF	2,593.00	40.00	103,720
37	Gypsum board ceiling	SF	15,328.30	15.00	229,924
41	Gypsum board ceiling, moisture resistant	SF	12,851.41	11.00	141,365
149	Mesh metal ceiling	SF	1,904.00	40.00	76,160
47	Mesh metal ceiling with acrylic panel backing	SF	329.00	65.00	21,385
38	Linear metal ceiling with wood appearance	SF	14,300.00	45.00	643,500
39	Paint to gypsum board ceiling	SF	31,245.22	1.50	46,867
40	Paint to exposed ceiling	SF	91,360.27	1.50	137,040
42	Sound barrier ceiling - 2 layer 5/8" GWB over 7/8" metal furring and 1-1/2" cold rolled channels with 3-1/2" batt insulation	SF	65,163.00	20.00	1,303,260
75	Allowance for gypsum board soffit - allow 20% of GWB	SF	3,066.45	21.00	64,395
881	AO1C1 - ACT ceiling ILO Linear metal ceiling (20% of Cafeteria ceiling)	LS	1.00	-55,644.00	-55,644
882	AO1C2 - ACT ceiling ILO Linear metal ceiling (Staff lunch room)	LS	1.00	-21,511.00	-21,511
883	AO1C3 - Washable ACT ceiling ILO Linear metal ceiling (Serving)	LS	1.00	-37,469.00	-37,469
884	AO1C4 - ACT ceiling ILO EAVB ceiling (Cosmetology)	LS	1.00	-38,525.00	-38,525
885	AO1C5 - GWB ceiling ILO EAVB ceiling (Auditorium aisles)	LS	1.00	-5,021.00	-5,021
886	AO1C6 - ACT ceiling ILO GWB ceiling (3F Lobby ceiling)	LS	1.00	-27,212.00	-27,212
887	AO1C7 - Exposed ceiling paint ILO GWB ceiling (4F Lobby ceiling)	LS	1.00	-39,212.00	-39,212
Ceiling Finishes				11.17/SF	4,252,042
INTERIOR FINISHES				32.01/SF	12,181,030

D10 CONVEYING

D1010 Vertical Conveying Systems

687	Passenger elevator, 5 stops	EA	1.00	275,000.00	275,000
-----	-----------------------------	----	------	------------	---------

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
751	Passenger elevator, 4 stops	EA	1.00	220,000.00	220,000
	Vertical Conveying Systems			1.30/SF	495,000
	CONVEYING			1.30/SF	495,000
D20	PLUMBING				
D2010	Domestic Water Distribution				
421	Plumbing Fixtures	Note			
423	Water closets	EA	86.00	1,600.00	137,600
424	Urinals	EA	30.00	1,150.00	34,500
425	Wall mounted lavatory	EA	67.00	1,325.00	88,775
426	Mop receptor	EA	6.00	1,900.00	11,400
427	Electric water cooler	EA	2.00	3,800.00	7,600
428	Single bowl stainless steel sink	EA	2.00	1,500.00	3,000
434	Hand sink	EA	14.00	900.00	12,600
435	Group/gang lavatory	EA	2.00	1,800.00	3,600
436	Showers	EA	7.00	1,800.00	12,600
437	Emergency shower/eye	EA	28.00	2,200.00	61,600
438	Culinary sinks - install only	EA	10.00	425.00	4,250
439	Main kitchen sinks - install only	EA	13.00	425.00	5,525
440	Dental sinks - install only	EA	16.00	425.00	6,800
441	Fabrication Lab sinks - install only	EA	1.00	425.00	425
442	Science Lab sinks - install only	EA	70.00	425.00	29,750
443	Medical and Health sinks - install only	EA	20.00	425.00	8,500
444	Allowance for additional main building fixtures not yet designed	SF	380,395.00	1.00	380,395
447	Water Distribution and Components	Note			
448	Gas fired water heater with dual mixing valves for 120 deg. F hot water system - (2) 800 MBH gas-fired water heaters with 300 gal storage, TMVs, pumps expansion tank etc.	EA	2.00	75,000.00	150,000
460	Gas fired water heater with dual mixing valves for 140 deg. F hot water system - assume separate system	EA	1.00	30,000.00	30,000
450	Water meter and backflow preventer - 6"	EA	1.00	10,000.00	10,000
451	Domestic water booster pump - allowance	EA	1.00	25,000.00	25,000
453	Chlorine/PH monitor system with 100 gal. tanks	EA	1.00	10,000.00	10,000
458	Chlorine/PH monitor system with 200 gal. tanks	EA	1.00	18,000.00	18,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
456	Electric water heater for Cosmetology, science and toilet rooms - allowance	EA	1.00	15,000.00	15,000
457	RPZ Backflow preventer for non-potable science classrooms	EA	6.00	2,000.00	12,000
463	Potable water piping, copper, 3"	LF	252.00	107.00	26,964
466	Potable water piping, copper, 2"	LF	53.00	50.00	2,650
465	Potable water piping, copper, 1"	LF	55.00	42.00	2,310
467	Non-potable water piping, copper, 4"	LF	544.00	150.00	81,600
468	Non-potable water piping, copper, 3"	LF	443.00	107.00	47,401
469	Non-potable water piping, copper, 2"	LF	453.00	50.00	22,650
470	Non-potable water piping, copper, 1"	LF	292.00	42.00	12,264
478	Tempered water piping, 2"	LF	116.00	50.00	5,800
650	Pipe insulation	LF	2,204.00	10.00	22,040
485	Wall hydrants	EA	5.00	750.00	3,750
471	Allowance for additional main building domestic water system including fixture rough in, hot & cold water piping, nonpotable piping, tempered piping etc.	SF	380,395.00	3.75	1,426,481
Domestic Water Distribution				7.18/SF	2,732,830
D2020	Sanitary Drainage				
446	Gas/oil interceptor	EA	2.00	15,000.00	30,000
452	Exterior grease trap, 4,000 gal.	EA	2.00	25,000.00	50,000
454	Main Kitchen interior grease traps	EA	2.00	7,500.00	15,000
455	Culinary Arts interior grease traps	EA	2.00	7,500.00	15,000
482	Floor drains	EA	89.00	550.00	48,950
483	Allowance for additional main building sanitary system such piping, vents, ejectors, clean-out, acid waste etc.	SF	380,395.00	3.75	1,426,481
Sanitary Drainage				4.17/SF	1,585,431
D2030	Building Support Plumbing Systems				
180	Roof drain	EA	75.00	1,000.00	75,000
651	Allowance for rain water drainage system	SF	380,395.00	2.00	760,790
785	Testing, balancing and commissioning	SF	380,395.00	0.50	190,197
786	Subcontractor GCs/GRs	Sum			439,503
891	Stack science classrooms, limit program to one classroom	LS	1.00	-175,000.00	-175,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
892	Scuppers extending to daylight instead of separate secondary roof drainage piping system	LS	1.00	-120,000.00	-120,000
Building Support Plumbing Systems				3.08/SF	1,170,490
D2050	General Service Compressed-Air				
461	Compressed air piping, copper, 1 1/2"	LF	761.00	50.00	38,050
462	Compressed air piping, copper, 1"	LF	2,091.00	42.00	87,822
653	Allowance for compressed air systems	SF	380,395.00	0.75	285,296
General Service Compressed-Air				1.08/SF	411,168
D2060	Process Support Plumbing Systems				
473	Gas: Piping, 6"	LF	490.00	160.00	78,400
474	Gas: Piping, 4"	LF	421.00	115.00	48,415
475	Gas: Piping, 2"	LF	135.00	66.00	8,910
476	Allowance for additional main building gas system	SF	380,395.00	1.50	570,593
480	Vacuum: Piping, 1"	LF	173.00	42.00	7,266
481	Allowance for additional main building vacuum system	SF	418,435.00	0.25	104,609
Process Support Plumbing Systems				2.15/SF	818,193
PLUMBING				17.65/SF	6,718,112
D30	HVAC				
D3020	Heat Systems				
76	Gas fired condensing boilers, 3,000 MBH	EA	3.00	90,000.00	270,000
242	Vertical inline boiler pump, 210 GPM	EA	3.00	7,500.00	22,500
77	Secondary hot water pumps, 270 GPM, 10 HP	EA	3.00	7,500.00	22,500
309	Hot water system primary/secondary loop hydraulic decoupler and air separator	EA	1.00	15,000.00	15,000
79	Glycol mixing station and 55 gallon drums	EA	4.00	6,000.00	24,000
80	Hot water expansion tanks	EA	7.00	3,500.00	24,500
197	Chilled water buffer tank	EA	1.00	8,000.00	8,000
194	Heating and ventilating unit, 17,400 CFM - HV-1	EA	1.00	174,000.00	174,000
195	Heating and ventilating unit, 14,800 CFM - HV-2	EA	1.00	148,000.00	148,000
196	Heating and ventilating unit, 14,800 CFM - HV-3	EA	1.00	148,000.00	148,000
193	Heating and ventilating unit, 28,800 CFM - HV-4	EA	1.00	288,000.00	288,000
81	Heating and ventilating unit, 11,700 CFM - HV-5	EA	1.00	117,000.00	117,000
82	Heating and ventilating unit, 12,100 CFM - HV-6	EA	1.00	121,000.00	121,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
83	Heating and ventilating unit, 19,000 CFM - HV-7	EA	1.00	190,000.00	190,000
84	Cabinet unit heaters	EA	13.00	3,000.00	39,000
85	Unit heaters	EA	8.00	2,600.00	20,800
250	Split heat pump system with piping and condensate pump, 2 tons	EA	1.00	12,000.00	12,000
308	Radiant floor heating - including pumps, manifold piping etc.	SF	1,800.00	15.00	27,000
311	Hydronic heat pumps, 300 GPM/10 HP	EA	3.00	75,000.00	225,000
78	Hydronic heat pump hot water system primary/secondary loop decoupler and air separator	EA	1.00	15,000.00	15,000
336	Hot water ceiling radiant panels	LF	129.00	225.00	29,025
Heat Systems				5.10/SF	1,940,325
D3030	Cooling Systems				
93	Split air conditioning system including piping, 2 tons	EA	11.00	10,000.00	110,000
198	VRF Fan coil units, 1.5 tons	EA	6.00	2,500.00	15,000
310	Hydronic heat pump chilled water system primary/secondary loop hydraulic decoupler and air separator	EA	1.00	15,000.00	15,000
316	Split air conditioning system, 3 tons	EA	4.00	15,000.00	60,000
317	Wall mounted evaporator with condensate pump	EA	13.00	3,500.00	45,500
Cooling Systems				0.65/SF	245,500
D3050	Facility HVAC Distribution Systems				
50	Variable air volume dedicated outdoor unit, 16,500 CFM - HRU-1	EA	1.00	198,000.00	198,000
51	Variable air volume dedicated outdoor unit, 16,500 CFM - HRU-2	EA	1.00	198,000.00	198,000
52	Variable air volume dedicated outdoor unit, 16,500 CFM - HRU-3	EA	1.00	198,000.00	198,000
64	Variable air volume dedicated outdoor unit, 7,500 CFM - HRU-4	EA	1.00	90,000.00	90,000
53	VRF Heat pump condensing unit, 55 ton	EA	5.00	125,000.00	625,000
56	VRF Heat pump condensing unit, 40 ton	EA	3.00	90,000.00	270,000
68	VRF Heat pump condensing unit, 30 ton	EA	2.00	68,000.00	136,000
70	VRF Heat pump condensing unit, 22 ton	EA	1.00	50,000.00	50,000
55	VRF Heat pump condensing unit, 20 ton	EA	2.00	45,000.00	90,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
69	VRF Heat pump condensing unit, 15 ton	EA	1.00	34,000.00	34,000
57	Hydronic heat pump with integral pump system. 110 nominal ton	EA	3.00	290,000.00	870,000
66	Multi-zone mixed air variable rooftop unit, 9,500 CFM - HVAC-1	EA	1.00	142,500.00	142,500
58	Multi-zone mixed air variable rooftop unit, 7,000 CFM - HVAC-2	EA	1.00	105,000.00	105,000
59	Multi-zone mixed air variable rooftop unit, 7,200 CFM - HVAC-3	EA	1.00	108,000.00	108,000
60	Multi-zone mixed air variable rooftop unit, 8,400 CFM - HVAC-4	EA	1.00	126,000.00	126,000
61	Multi-zone mixed air variable rooftop unit, 13,000 CFM - HVAC-5	EA	1.00	195,000.00	195,000
202	Single zone mixed air variable volume air handling unit, 14,000 CFM - HVAC-6	EA	1.00	210,000.00	210,000
203	Single zone mixed air variable volume air handling unit, 4,800 CFM - HVAC-7	EA	1.00	72,000.00	72,000
337	Single zone mixed air variable volume air handling unit, 21,000 CFM - HVAC-8	EA	1.00	315,000.00	315,000
62	Variable volume energy recovery ventilator, 2,000 CFM - ERV-1	EA	1.00	30,000.00	30,000
63	Variable volume energy recovery ventilator, 1,000 CFM - ERV-2	EA	1.00	15,000.00	15,000
65	Variable volume energy recovery ventilator, 2,000 CFM - ERV-3	EA	1.00	30,000.00	30,000
67	Variable volume make-up air unit, 4,500 CFM - MAU-1	EA	1.00	67,500.00	67,500
86	Dust collector, 6,000 CFM	EA	1.00	16,000.00	16,000
88	Exhaust fan, 10,000 CFM	EA	3.00	8,000.00	24,000
276	Exhaust fan, 9,600 CFM	EA	1.00	7,650.00	7,650
307	Exhaust fan, 6,650 CFM	EA	1.00	5,500.00	5,500
87	Exhaust fan, 5,000 CFM	EA	2.00	4,000.00	8,000
275	Exhaust fan, 4,000 CFM	EA	1.00	3,250.00	3,250
243	Exhaust fan, 950 CFM	EA	2.00	800.00	1,600
244	Exhaust fan, 600 CFM	EA	2.00	750.00	1,500
274	Exhaust fan, 450 CFM	EA	4.00	750.00	3,000
334	Exhaust fan, 200 CFM	EA	1.00	500.00	500

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
92	Supply VAV terminal unit	EA	85.00	1,000.00	85,000
94	Exhaust VAV terminal unit	EA	91.00	850.00	77,350
306	Outside air VAV terminal unit	EA	18.00	1,000.00	18,000
175	Round ductwork	Lb	13,867.00	13.00	180,271
176	Rectangular ductwork	Lb	128,043.00	13.00	1,664,559
177	Allowance for additional ductwork not yet designed	Lb	271,590.00	13.00	3,530,670
805	Allowance for additional ductwork not yet designed (stainless steel, black iron, etc.)	Lb	24,000.00	20.00	480,000
178	Duct insulation	SF	91,781.00	5.50	504,796
179	Allowance for additional duct insulation	SF	221,693.21	5.50	1,219,313
245	Automotive exhaust system with 12 exhaust connection	EA	1.00	150,000.00	150,000
246	VRF Fan coil unit, 2 tons	EA	9.00	3,000.00	27,000
252	VRF Fan coil units, 2.5 tons	EA	8.00	3,750.00	30,000
254	VRF Fan coil units, 1.5 tons	EA	27.00	2,250.00	60,750
312	VRF Fan coil units, 1.0 tons	EA	4.00	2,000.00	8,000
313	Boiler and dedicated equipment exhaust & combustion intake vents	EA	23.00	20,000.00	460,000
314	Classroom fan coil unit	EA	80.00	2,500.00	200,000
315	Classroom VAV terminal unit	EA	80.00	1,000.00	80,000
318	Sensible fan powered terminal unit	EA	58.00	2,000.00	116,000
333	Dryer exhaust booster fan	EA	1.00	1,500.00	1,500
360	Hot water supply - 6"	LF	1,274.00	160.00	203,840
361	Hot water return - 6"	LF	1,244.00	160.00	199,040
375	Hot water supply, secondary - 6"	LF	183.00	160.00	29,280
376	Hot water return, secondary - 6"	LF	181.00	160.00	28,960
394	Hot water supply - 4"	LF	1,704.00	115.00	195,960
395	Hot water return - 4"	LF	1,742.00	115.00	200,330
685	Allowance for hot water distribution	SF	380,395.00	2.75	1,046,086
382	Chilled water supply - 6"	LF	142.00	160.00	22,720
383	Chilled water return - 6"	LF	140.00	160.00	22,400
384	Chilled water supply, secondary - 8"	LF	74.00	200.00	14,800
385	Chilled water return, secondary - 8"	LF	63.00	200.00	12,600
392	Chilled water supply - 5"	LF	2,097.00	135.00	283,095

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
393	Chilled water return - 5"	LF	2,059.00	135.00	277,965
779	Pipe insulation	LF	10,896.00	15.00	163,440
780	Allowance for chilled water distribution	SF	380,395.00	1.50	570,593
790	Allowance for refrigerant and condensate distribution	SF	380,395.00	3.00	1,141,185
792	Allowance for supplementary equipment not yet designed	SF	380,395.00	1.25	475,494
403	Allowance for instrumentation and controls	SF	380,395.00	7.00	2,662,765
851	Allowance for revising air source hydronic heat pumps to VRF system	SF	380,395.00	-5.50	-2,092,173
Facility HVAC Distribution Systems				48.87/SF	18,597,589
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	380,395.00	0.50	190,197
784	Subcontractor GCs/GRs	Sum			1,454,504
893	Reduce number of fumes hoods required from 10 to 5 or 6. This could be in conjunction with the plumbing VM item to reduce acid waste/neutralization	LS	1.00	-195,000.00	-195,000
Special Purpose HVAC Systems				3.81/SF	1,449,701
HVAC				58.42/SF	22,233,115
D40	FIRE PROTECTION				
D4010	Fire Suppression				
490	PRV control valve	EA	1.00	10,000.00	10,000
498	Floor control valve	EA	13.00	2,500.00	32,500
491	Tamper switch	EA	15.00	1,800.00	27,000
496	Fire department connection	EA	1.00	2,000.00	2,000
497	Main alarm check valve	EA	1.00	2,000.00	2,000
499	Fire pump, 1,000 GPM at 150 PSI boost/150 HP	EA	1.00	130,000.00	130,000
492	Fire protection piping, 8"	LF	19.00	200.00	3,800
493	Fire protection piping, 6"	LF	2,314.00	160.00	370,240
494	Fire protection piping, 4"	LF	4,293.00	115.00	493,695
495	Fire protection piping, 3"	LF	2,617.00	85.00	222,445
511	Allowance for additional main building sprinkler system	SF	380,395.00	2.25	855,889
787	Subcontractor GCs/GRs	Sum			107,479
Fire Suppression				5.93/SF	2,257,048
FIRE PROTECTION				5.93/SF	2,257,048

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D50	ELECTRICAL				
D5020	Electrical Service and Distribution				
621	Distribution	SF	380,395.00	9.75	3,708,851
899	Reduce standby power capacity by 50%	LS	1.00	-120,000.00	-120,000
	Electrical Service and Distribution			9.43/SF	3,588,851
D5030	General Purpose Electrical Power				
627	Power & Mechanical	SF	380,395.00	7.50	2,852,963
	General Purpose Electrical Power			7.50/SF	2,852,963
D5040	Lighting				
633	Lighting	SF	380,395.00	15.00	5,705,925
764	School stage lighting	EA	1.00	110,000.00	110,000
765	School theatrical lighting & controls	EA	1.00	250,000.00	250,000
894	Target Value Design - Reduce lighting by \$1/SF	LS	1.00	-380,000.00	-380,000
897	Target Value Design - Theater Lighting / Sound equipment, reduced by 25%	LS	1.00	-62,500.00	-62,500
900	Prepare building courtyard for catenary lighting; lighting installed later	LS	1.00	-220,000.00	-220,000
	Lighting			14.20/SF	5,403,425
D5080	Miscellaneous Electrical Systems				
647	Other (commissioning and Lightning protection)	SF	380,395.00	2.45	931,968
763	P.V System 249 kw (rough in conduit for future)	EA	1.00	12,600.00	12,600
767	Seismic restraints electrical	SF	380,395.00	0.35	133,138
768	Interior electronic scoreboard & shot clock	EA	1.00	25,000.00	25,000
777	Owner independent testing agency	EA	1.00		Excl.
	Miscellaneous Electrical Systems			2.90/SF	1,102,706
	ELECTRICAL			34.02/SF	12,947,945
D60	COMMUNICATIONS				
D6010	Data Communications				
639	Data (rough in & equipment cabling)	SF	380,395.00	4.85	1,844,916
	Data Communications			4.85/SF	1,844,916
D6020	Voice Communications				
640	TV & Video (rough in & equipment) - move to FF&E	SF	380,395.00		Excl.
	Voice Communications				Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D6030	Audio-Video Communication				
641	Audio Visual Systems (rough in & equipment)	SF	380,395.00	1.30	494,514
642	Speech Reinforcement Systems (rough in & equipment)	SF	380,395.00	0.43	163,570
643	Inst. AV System (rough in & equipment) - move to FF&E	SF	380,395.00		Excl.
	Audio-Video Communication			1.73/SF	658,084
D6060	Distributed Communications and Monitoring				
644	PA, Clock (rough in & equipment)	SF	380,395.00	1.00	380,395
	Distributed Communications and Monitoring			1.00/SF	380,395
	COMMUNICATIONS			7.58/SF	2,883,395
D70	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
645	Security CCTV, Intrusion & Access Control	SF	380,395.00	2.18	829,261
895	Remove durruss system	LS	1.00	-95,099.00	-95,099
	Access Controls and Intrusion Detection			1.93/SF	734,162
D7030	Electronic Surveillance				
760	Vape detection system (new and existing)	EA	1.00	10,000.00	10,000
	Electronic Surveillance			0.03/SF	10,000
D7050	Detection and Alarm				
646	Fire Alarm	SF	380,395.00	3.10	1,179,225
	Detection and Alarm			3.10/SF	1,179,225
D7090	Electronic Safety and Security Supplementary Components				
761	Visitor management system (new and existing)	EA	1.00	5,000.00	5,000
810	Gun/gunshot detection system	EA	1.00	25,000.00	25,000
	Electronic Safety and Security Supplementary Components			0.08/SF	30,000
	ELECTRONIC SAFETY AND SECURITY			5.13/SF	1,953,387
E10	EQUIPMENT				
E1040	Institutional Equipment				
340	Theatrical seating (Auditorium), reduce seating count to 500	EA	750.00	300.00	225,000
341	Motorized projection screen - 20'x14' (Auditorium)	EA	1.00		Incl.
343	Motorized projection screen (Gymnasium)	EA	1.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
342	Interactive wall mounted display (Education room)	EA	62.00		Incl.
344	Large format digital information display (Cafeteria Commons)	EA	4.00		Incl.
Institutional Equipment				0.59/SF	225,000
E1070	Entertainment and Recreational Equipment				
356	Roof deck lounge chair	EA	9.00	450.00	4,050
363	Rooftop playground equipment; 2-5 spinner	EA	1.00	4,700.00	4,700
365	Rooftop playground equipment; 2-5 main play structure	EA	1.00	24,000.00	24,000
364	Rooftop playground equipment; PIP rubber mound with composite wood arch bridge	EA	1.00	350.00	350
366	Rooftop playground equipment; PIP rubber mound with embankment slide	EA	1.00	6,500.00	6,500
Entertainment and Recreational Equipment				0.10/SF	39,600
E1090	Other Equipment				
345	Food service equipment, Casework and Fixed equipment	LS	1.00	5,514,000.00	5,514,000
888	Remove escalation included by Designer	LS	1.00	-136,250.00	-136,250
889	Target Value Design; reduced stage curtains and rigging	LS	1.00	-200,000.00	-200,000
890	Move Automotive Refinishing, Automotive Technology Lifts, HVAC & Plumbing Equipment, Dental, Carpentry, and Cosmetology to FF&E	LS	1.00	-1,926,750.00	-1,926,750
Other Equipment				8.54/SF	3,251,000
EQUIPMENT				9.24/SF	3,515,600
E20	FURNISHINGS				
E2010	Fixed Furnishings				
322	Custom display cases	Item			50,000
729	Custom bench with solid surface bench top	LF	282.00	300.00	84,600
730	Custom reception desk	LF	57.00	600.00	34,200
731	Custom cafe counter with quartz countertop	LF	22.00	500.00	11,000
732	Custom study desk	LF	15.00	300.00	4,500
323	Window roller shades, manual operated (Classrooms, Science Labs, Art rooms)	SF	32,000.00	10.00	320,000
803	Window roller shades, manual operated	EA	174.00	150.00	26,100
324	Window roller shades, electrically operated (Media Center)	SF	3,610.00	20.00	72,200
325	Vertical blinds, manual operated (Administration, Media Center)	SF	1,300.00	12.00	15,600

NORTHEAST METROPOLITAN REGIONAL
TECHNICAL HIGH SCHOOL
SCHEMATIC DESIGN COST ESTIMATE - REVISION 4

RLB

Rider
Levett
Bucknall

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building		GFAR: 380,570.00 SF Cost/SF: 356.08			
A1 New School Building (continued)		Rates Current At July 2021			
Ref	Description	Unit	Qty	Rate USD	Total Cost USD
326	Tension shade system, electrically operated (Dome skylight)	SF	750.00	35.00	26,250
	Fixed Furnishings			1.69/SF	644,450
	FURNISHINGS			1.69/SF	644,450
	NEW SCHOOL BUILDING			356.08/SF	135,512,607

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
A	Building			
A2	Locker/Athletic Support Building	6,060.00	392.39	2,377,869
	Building	6,060.0	392.39	2,377,869
	ESTIMATED NET COST	6,060	392.39	2,377,869

MARGINS & ADJUSTMENTS

Phasing / Temporary Works		Excl.
Design & Estimating Contingency	7.5 %	178,340
Escalation to Mid-Point of Construction (08/2023)	9.5 %	242,840
Sub-contractor Bonds	1.25 %	34,988
General Liability Insurance (per CM Pricing Exhibit 1)		32,135
Builder's Risk Insurance (per CM Pricing Exhibit 1)		4,869
Payment & Performance Bond (per CM Pricing Exhibit 1)		24,669
General Conditions (per CM Pricing Exhibit 1)		129,131
General Requirements (per CM Pricing Exhibit 1)		80,565
Allowance for Additional Requirements not included in CM Pricing Exhibit 1		13,330
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %	72,393
CM Fee (per CM Pricing Exhibit 1)	1.75 %	55,845
ESTIMATED TOTAL COST		6,060 535.80 3,246,974

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A2 Locker/Athletic Support Building

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
A10	Foundations			
A1010	Standard Foundations		13.31	80,660
	Foundations		13.31	80,660
A20	Basement ConstructionSubgrade Enclosures			
A2010	Walls for Subgrade Enclosures		51.91	314,549
	Basement ConstructionSubgrade Enclosures		51.91	314,549
A40	Slabs-on-Grade			
A4010	Standard Slabs-on-Grade		8.24	49,936
	Slabs-on-Grade		8.24	49,936
A60	Water and Gas Mitigation			
A6010	Building Subdrainage		3.45	20,902
A6020	Off-Gassing Mitigation		0.90	5,463
	Water and Gas Mitigation		4.35	26,365
A90	Substructure Related Activities			
A9010	Substructure Excavation		3.32	20,093
	Substructure Related Activities		3.32	20,093
B10	Superstructure			
B1010	Floor Construction		25.31	153,374
B1020	Roof Construction		22.22	134,627
B1080	Stairs		2.96	17,927
	Superstructure		50.48	305,928
B20	Exterior Vertical Enclosures			
B2010	Exterior Walls		75.85	459,623
B2050	Exterior Doors and Grilles		14.06	85,227
	Exterior Vertical Enclosures		89.91	544,850
B30	Exterior Horizontal Enclosures			
B3010	Roofing		12.99	78,724
	Exterior Horizontal Enclosures		12.99	78,724
C10	Interior Construction			
C1010	Interior Partitions		21.01	127,305
C1030	Interior Doors		1.89	11,465
C1090	Interior Specialties		6.59	39,934
	Interior Construction		29.49	178,704

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
C20	Interior Finishes			
C2010	Wall Finishes		7.57	45,854
C2030	Flooring		8.47	51,308
C2040	Stair Finishes		0.65	3,916
C2050	Ceiling Finishes		5.40	32,727
	Interior Finishes		22.08	133,805
D10	Conveying			
D1010	Vertical Conveying Systems		11.63	70,448
	Conveying		11.63	70,448
D20	Plumbing			
D2010	Domestic Water Distribution		9.90	60,000
D2020	Sanitary Drainage		5.94	36,000
D2030	Building Support Plumbing Systems		2.98	18,084
	Plumbing		18.83	114,084
D30	HVAC			
D3050	Facility HVAC Distribution Systems		38.74	234,767
D3070	Special Purpose HVAC Systems		1.59	9,658
	HVAC		40.33	244,425
D40	Fire Protection			
D4010	Fire Suppression		6.06	36,738
	Fire Protection		6.06	36,738
D50	Electrical			
D5010	Facility Power Generation		3.96	24,000
D5020	Electrical Service and Distribution		14.36	87,000
D5080	Miscellaneous Electrical Systems		1.73	10,500
	Electrical		20.05	121,500
D60	Communications			
D6010	Data Communications		3.96	24,000
	Communications		3.96	24,000
D70	Electronic Safety and Security			
D7010	Access Controls and Intrusion Detection		2.24	13,560

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building		GFAR: 6,060.00 SF Cost/SF: 392.39		
A2 Locker/Athletic Support Building (continued)		Rates Current At July 2021		
Ref	Description	%	GFAR USD/SF	Total Cost USD
D7050	Detection and Alarm		3.22	19,500
	Electronic Safety and Security		5.46	33,060
	LOCKER/ATHLETIC SUPPORT BUILDING		392.39	2,377,869

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		178,340
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		242,840
	Sub-contractor Bonds	1.25 %		34,988
	General Liability Insurance (per CM Pricing Exhibit 1)			32,135
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			4,869
	Payment & Performance Bond (per CM Pricing Exhibit 1)			24,669
	General Conditions (per CM Pricing Exhibit 1)			129,131
	General Requirements (per CM Pricing Exhibit 1)			80,565
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			13,330
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		72,393
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		55,845
ESTIMATED TOTAL COST			535.80	3,246,974

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
A10	FOUNDATIONS				
A1010	Standard Foundations				
586	Concrete to strip footings - 2' thick, 4500 PSI	CY	238.25	265.00	63,136
588	Concrete to mat footings - 2' thick, 4500 PSI	CY	12.92	265.02	3,424
530	Form strip footings	SF	1,285.70	17.50	22,500
589	Form mat footings	SF	104.31	17.50	1,825
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	23,808.33	1.40	33,332
590	Bar reinforcement to mat footings, allow 100 PCY	Lb	1,253.84	1.40	1,756
901	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-13.45	-45,313
	Standard Foundations			13.31/SF	80,660
	FOUNDATIONS			13.31/SF	80,660
A20	BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES				
A2010	Walls for Subgrade Enclosures				
598	Concrete to frost walls, 4500 PSI	CY	45.64	275.00	12,551
615	Concrete to elevator pit walls, 4500 PSI	CY	2.27	274.89	624
658	Concrete to retaining walls, 4500 PSI	CY	280.00	275.00	77,000
605	Form frost walls	SF	1,230.88	17.50	21,540
616	Form elevator pit walls	SF	171.75	17.50	3,006
659	Form retaining walls	SF	10,078.00	21.50	216,677
613	Bar reinforcement to elevator pit walls, allow 10 PSF	Lb	858.56	1.40	1,202
660	Bar reinforcement to retaining walls, allow 10 PSF	Lb	50,390.00	1.40	70,546
614	Waterproofing to basement retaining walls and footings and elevator pit walls and footings	SF	5,379.99	12.00	64,560
617	Dampproofing to frost wall	SF	615.47	4.00	2,462
618	Rigid insulation - 2" thick	SF	5,995.31	3.50	20,984
902	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-52.42	-176,603
	Walls for Subgrade Enclosures			51.91/SF	314,549
	BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES			51.91/SF	314,549
A40	SLABS-ON-GRADE				
A4010	Standard Slabs-on-Grade				
501	Concrete to slab on grade - 6" thick, 4000 PSI	CY	79.00	250.00	19,750
502	Form slab on grade	SF	170.09	15.50	2,636
503	WWF reinforcement	SF	4,264.32	1.20	5,117

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
698	Allowance for bar reinforcement	Lb	2,132.17	1.40	2,985
504	Float finish to slab on grade	SF	4,264.32	1.50	6,396
505	Control joints	SF	4,264.32	0.75	3,198
506	Air and vapor barrier	SF	4,264.32	0.85	3,625
507	Rigid insulation - 2" thick	SF	4,264.32		Incl.
508	Excavation for slab on grade (included in Site preparation)	CY	263.23		Incl.
509	Remove and dispose of excavated material (included in Site preparation)	CY	263.23		Incl.
510	Prepare and compact sub-base	SF	4,264.32	1.50	6,396
513	Imported sand gravel fill - 12" thick	CY	157.93	50.00	7,897
703	Winter conditions	LS	1.00		Excl.
707	Mechanical pads	Item			15,000
710	Engineering, layout, safety, cleaning, etc.	Item			5,000
903	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-8.33	-28,064
Standard Slabs-on-Grade				8.24/SF	49,936
SLABS-ON-GRADE				8.24/SF	49,936
A60	WATER AND GAS MITIGATION				
A6010	Building Subdrainage				
619	Perimeter drain	LF	354.69	50.00	17,735
686	Under-slab drainage system	SF	4,264.32	3.50	14,925
904	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-3.49	-11,758
Building Subdrainage				3.45/SF	20,902
A6020	Off-Gassing Mitigation				
702	Allowance for radon mitigation	SF	4,264.32	2.00	8,529
905	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-0.91	-3,066
Off-Gassing Mitigation				0.90/SF	5,463
WATER AND GAS MITIGATION				4.35/SF	26,365
A90	SUBSTRUCTURE RELATED ACTIVITIES				
A9010	Substructure Excavation				
591	Excavation for foundation footings (included in Site preparation)	CY	1,043.84		Incl.
593	Prepare and compact foundation sub-base	SF	3,383.37	1.50	5,075
594	Imported sand gravel fill below foundations - 12" thick	CY	125.35	50.00	6,267
620	Imported foundation backfill	CY	667.89	30.00	20,037

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
906	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-3.35	-11,286
	Substructure Excavation			3.32/SF	20,093
	SUBSTRUCTURE RELATED ACTIVITIES			3.32/SF	20,093
B10	SUPERSTRUCTURE				
B1010	Floor Construction				
535	Galvanised composite metal floor deck - allow 2" deep	SF	4,309.63	5.50	23,703
537	Structural steel framing - allow 15 PSF (Typical floor, Mezz)	T	32.3222	4,699.99	151,914
538	Light weight concrete topping, overall 5-1/4" thick, 4000 PSI	CY	69.85	400.00	27,940
539	WWF reinforcement to floor deck	SF	4,309.63	1.25	5,387
540	Float finish to concrete topping	SF	4,309.63	2.25	9,697
542	Allowance for miscellaneous connections and framings	T	3.2323		Incl.
543	Allowance for spray applied fireproofing (members only)	SF	4,309.63	3.50	15,084
720	Allowance for shear studs - assumed included with tonnage	EA	1,077.42		Incl.
722	Allowance for pour stops and bent plates - assumed included with tonnage	LF	322.74		Incl.
907	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-23.85	-80,351
	Floor Construction			25.31/SF	153,374
B1020	Roof Construction				
546	Galvanized corrugated roof deck - 3" deep, type N	SF	4,923.29	5.50	27,078
564	Structural steel framing - allow 14 PSF	T	34.4629	4,700.01	161,976
551	Allowance for miscellaneous connections and framings	T	34.4630		Incl.
719	Allowance for spray applied fireproofing (members only)	SF	4,923.29	3.50	17,232
908	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-21.27	-71,659
	Roof Construction			22.22/SF	134,627
B1080	Stairs				
661	Metal stairs with concrete filled pans and landing - 5'-0" wide	FT/R	14.00	2,000.00	28,000
909	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-2.99	-10,073
	Stairs			2.96/SF	17,927
	SUPERSTRUCTURE			50.48/SF	305,928
B20	EXTERIOR VERTICAL ENCLOSURES				
B2010	Exterior Walls				
212	Glazed storefront system	SF	1,592.41	95.00	151,279
23	Flat-lock metal tile	SF	683.22	55.00	37,577

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
29	4" Thick CMU Veneer	SF	7,038.36	35.00	246,343
72	8" Thick CMU back-up	SF	7,038.41	25.00	175,960
73	6" Metal stud back-up, sheathing, interior GWB lining	SF	683.29	18.00	12,299
89	3" Thick rigid insulation	SF	7,038.21	5.00	35,191
90	3" Thick batt insulation	SF	683.22	4.00	2,733
95	Fluid applied air-vapor barrier	SF	7,038.28	8.00	56,306
207	Exterior wall assembly, including cladding to CMU back-up, sheathing, insulation	SF	7,379.00		Excl.
910	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-76.60	-258,065
Exterior Walls				75.85/SF	459,623
B2050 Exterior Doors and Grilles					
236	10'-0" x 10'-0" Motor operated overhead door with insulating panels	EA	4.00	30,000.00	120,000
216	Single leaf door to Locker building second floor corridor, assumes aluminum glazed, including frame, finish, and hardware	EA	2.00	3,700.00	7,400
235	Single leaf door to Locker building, assumes hollow metal, including frame, finish, and hardware	EA	2.00	1,350.00	2,700
798	Double leaf door to Locker building, assumes hollow metal, including frame, finish, and hardware	Pair	1.00	3,000.00	3,000
911	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-14.21	-47,873
Exterior Doors and Grilles				14.06/SF	85,227
EXTERIOR VERTICAL ENCLOSURES				89.91/SF	544,850
B30 EXTERIOR HORIZONTAL ENCLOSURES					
B3010 Roofing					
199	Locker Building roof assembly, assumes PVC membrane roofing	SF	4,917.00	25.00	122,925
912	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-13.12	-44,201
Roofing				12.99/SF	78,724
EXTERIOR HORIZONTAL ENCLOSURES				12.99/SF	78,724
C10 INTERIOR CONSTRUCTION					
C1010 Interior Partitions					
267	CMU partition, 8" thick	SF	4,099.30	25.00	102,483
268	CMU partition, 12" thick	SF	2,351.56	30.00	70,547
488	Allowance for miscellaneous sealing and caulking	SF	9,369.00	0.75	7,027

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
489	Allowance for miscellaneous fire stopping	SF	9,369.00	0.25	2,342
806	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Masonry Trade)	SF	9,369.00	0.50	4,685
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	9,369.00	1.25	11,711
913	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-21.22	-71,490
Interior Partitions				21.01/SF	127,305
C1030	Interior Doors				
115	Single leaf wooden doors, including frame, finish and hardware	EA	10.00	1,250.00	12,500
116	Double leaf wooden doors, including frame, finish and hardware	Pair	2.00	2,700.00	5,400
914	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-1.91	-6,435
Interior Doors				1.89/SF	11,465
C1090	Interior Specialties				
287	Restroom accessories - Toilet partition, ADA	EA	2.00	1,500.00	3,000
280	Restroom accessories - Tissue paper dispenser	EA	5.00	50.00	250
281	Restroom accessories - Grab bar	EA	9.00	100.00	900
305	Restroom accessories - Shower grab bar	Set	4.00	150.00	600
282	Restroom accessories - Napkin disposal	EA	3.00	150.00	450
283	Restroom accessories - Robe hook	EA	5.00	30.00	150
284	Restroom accessories - Soap dispenser	EA	5.00	50.00	250
285	Restroom accessories - Shower curtain and rod	EA	4.00	150.00	600
304	Restroom accessories - Shower seat	EA	4.00	500.00	2,000
291	Restroom accessories - Framed mirror	EA	5.00	800.00	4,000
292	Restroom accessories - Towel dispenser/waste receptacle	EA	5.00	700.00	3,500
754	Allowance for elevator pit ladder, cover, etc	EA	1.00	1,000.00	1,000
293	Allowance for miscellaneous metals	SF	9,369.00	1.00	9,369
294	Allowance for rough carpentry	SF	9,369.00	0.75	7,027
295	Allowance for wood blocking	SF	9,369.00	1.25	11,711
296	Allowance for fire extinguisher and cabinets	EA	3.76	850.00	3,196
297	Allowance for interior signage	SF	9,369.00	0.75	7,027
298	Allowance for exterior signage	Item			5,000
807	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	9,369.00	0.25	2,342

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
915	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-6.66	-22,438
	Interior Specialties			6.59/SF	39,934
	INTERIOR CONSTRUCTION			29.49/SF	178,704
C20	INTERIOR FINISHES				
C2010	Wall Finishes				
141	Ceramic tile	SF	2,263.82	16.50	37,353
170	Prepare and apply epoxy paint	SF	6,840.85	3.00	20,523
171	Prepare and apply paint to CMU	SF	11,000.81	1.25	13,751
916	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-7.65	-25,773
	Wall Finishes			7.57/SF	45,854
C2030	Flooring				
4	Ceramic mosaic tile	SF	407.77	20.00	8,155
5	Sealed concrete	SF	3,661.31	1.50	5,492
6	Epoxy flooring and base	SF	2,353.22	12.00	28,239
7	Epoxy terrazzo and base	SF	975.08	35.00	34,128
11	Ceramic tile base	LF	204.96	20.00	4,099
917	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-8.55	-28,805
	Flooring			8.47/SF	51,308
C2040	Stair Finishes				
15	Rubber stair treads and risers	SF	409.31	15.00	6,140
918	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-0.66	-2,224
	Stair Finishes			0.65/SF	3,916
C2050	Ceiling Finishes				
31	Acoustic ceiling (ACT-1)	SF	1,468.84	7.00	10,282
37	Gypsum board ceiling	SF	127.70	15.00	1,916
41	Gypsum board ceiling, moisture resistant	SF	2,636.52	11.00	29,002
39	Paint to gypsum board ceiling	SF	2,789.73	1.50	4,185
40	Paint to exposed ceiling	SF	3,466.36	1.50	5,200
75	Allowance for gypsum board soffit - allow 20% of GWB	SF	25.55	21.02	537
919	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-5.46	-18,395
	Ceiling Finishes			5.40/SF	32,727
	INTERIOR FINISHES			22.08/SF	133,805

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D10	CONVEYING				
D1010	Vertical Conveying Systems				
752	Passenger elevator, 2 stops	EA	1.00	110,000.00	110,000
920	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-11.74	-39,552
	Vertical Conveying Systems			11.63/SF	70,448
	CONVEYING			11.63/SF	70,448
D20	PLUMBING				
D2010	Domestic Water Distribution				
421	Plumbing Fixtures	Note			
445	Allowance for support buildings fixtures	SF	9,369.00	3.00	28,107
447	Water Distribution and Components	Note			
472	Allowance for domestic water distribution system to support buildings	SF	9,369.00	7.00	65,583
921	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-10.00	-33,690
	Domestic Water Distribution			9.90/SF	60,000
D2020	Sanitary Drainage				
484	Allowance for support building sanitary system	SF	9,369.00	6.00	56,214
922	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-6.00	-20,214
	Sanitary Drainage			5.94/SF	36,000
D2030	Building Support Plumbing Systems				
652	Allowance for support building rain water drainage system	SF	9,369.00	2.00	18,738
785	Testing, balancing and commissioning	SF	9,369.00	0.50	4,685
786	Subcontractor GCs/GRs	Sum			7,463
923	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-3.80	-12,802
	Building Support Plumbing Systems			2.98/SF	18,084
	PLUMBING			18.83/SF	114,084
D30	HVAC				
D3050	Facility HVAC Distribution Systems				
177	Allowance for additional ductwork not yet designed	Lb	9,369.00	13.00	121,797
179	Allowance for additional duct insulation	SF	7,026.77	5.50	38,647
788	Allowance for ERV units and supplementary equipment to support areas	SF	9,369.00	15.00	140,535
403	Allowance for instrumentation and controls	SF	9,369.00	7.00	65,583

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
924	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-39.12	-131,795
	Facility HVAC Distribution Systems			38.74/SF	234,767
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	9,369.00	0.50	4,685
784	Subcontractor GCs/GRs	Sum			15,990
925	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-3.27	-11,017
	Special Purpose HVAC Systems			1.59/SF	9,658
	HVAC			40.33/SF	244,425
D40	FIRE PROTECTION				
D4010	Fire Suppression				
512	Allowance for sprinkler system to support buildings	SF	9,369.00	6.00	56,214
787	Subcontractor GCs/GRs	Sum			1,749
926	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-6.30	-21,225
	Fire Suppression			6.06/SF	36,738
	FIRE PROTECTION			6.06/SF	36,738
D50	ELECTRICAL				
D5010	Facility Power Generation				
223	Distribution Athletic building	SF	9,369.00	4.00	37,476
927	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-4.00	-13,476
	Facility Power Generation			3.96/SF	24,000
D5020	Electrical Service and Distribution				
224	Lighting, power & mechanical Athletic building	SF	9,369.00	14.50	135,851
928	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-14.50	-48,851
	Electrical Service and Distribution			14.36/SF	87,000
D5080	Miscellaneous Electrical Systems				
228	Misc. Athletic building	SF	9,369.00	1.75	16,396
929	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-1.75	-5,896
	Miscellaneous Electrical Systems			1.73/SF	10,500
	ELECTRICAL			20.05/SF	121,500
D60	COMMUNICATIONS				
D6010	Data Communications				
225	Data Athletic building	SF	9,369.00	4.00	37,476

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
930	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-4.00	-13,476
	Data Communications			3.96/SF	24,000
	COMMUNICATIONS			3.96/SF	24,000
D70	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
226	Security Athletic building	SF	9,369.00	2.26	21,174
931	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-2.26	-7,614
	Access Controls and Intrusion Detection			2.24/SF	13,560
D7050	Detection and Alarm				
227	Fire alarm Athletic building	SF	9,369.00	3.25	30,449
932	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-3.25	-10,949
	Detection and Alarm			3.22/SF	19,500
	ELECTRONIC SAFETY AND SECURITY			5.46/SF	33,060
	LOCKER/ATHLETIC SUPPORT BUILDING			392.39/SF	2,377,869

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
A	Building			
A3	Maintenance Building	2,040.00	338.32	690,176
	Building	2,040.0	338.32	690,176
	ESTIMATED NET COST	2,040	338.32	690,176

MARGINS & ADJUSTMENTS			
Phasing / Temporary Works			Excl.
Design & Estimating Contingency	7.5 %		51,763
Escalation to Mid-Point of Construction (08/2023)	9.5 %		70,484
Sub-contractor Bonds	1.25 %		10,155
General Liability Insurance (per CM Pricing Exhibit 1)			9,327
Builder's Risk Insurance (per CM Pricing Exhibit 1)			1,413
Payment & Performance Bond (per CM Pricing Exhibit 1)			7,160
General Conditions (per CM Pricing Exhibit 1)			37,480
General Requirements (per CM Pricing Exhibit 1)			23,384
Allowance for Additional Requirements not included in CM Pricing Exhibit 1			3,869
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		21,012
CM Fee (per CM Pricing Exhibit 1)	1.75 %		16,209
ESTIMATED TOTAL COST		2,040	461.98
			942,432

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A3 Maintenance Building

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
A10	Foundations			
A1010	Standard Foundations		12.39	25,272
	Foundations		12.39	25,272
A20	Basement ConstructionSubgrade Enclosures			
A2010	Walls for Subgrade Enclosures		22.52	45,931
	Basement ConstructionSubgrade Enclosures		22.52	45,931
A40	Slabs-on-Grade			
A4010	Standard Slabs-on-Grade		14.45	29,473
	Slabs-on-Grade		14.45	29,473
A60	Water and Gas Mitigation			
A6010	Building Subdrainage		7.70	15,699
A6020	Off-Gassing Mitigation		1.76	3,596
	Water and Gas Mitigation		9.46	19,295
A90	Substructure Related Activities			
A9010	Substructure Excavation		4.05	8,271
	Substructure Related Activities		4.05	8,271
B20	Exterior Vertical Enclosures			
B2010	Exterior Walls		19.97	40,734
B2050	Exterior Doors and Grilles		60.15	122,700
	Exterior Vertical Enclosures		80.11	163,434
B30	Exterior Horizontal Enclosures			
B3010	Roofing			Incl.
	Exterior Horizontal Enclosures			Incl.
C10	Interior Construction			
C1010	Interior Partitions		6.15	12,540
C1030	Interior Doors		0.61	1,250
C1090	Interior Specialties		6.54	13,337
	Interior Construction		13.30	27,127
C20	Interior Finishes			
C2010	Wall Finishes		3.15	6,430
C2030	Flooring		1.74	3,546
C2050	Ceiling Finishes		1.78	3,628
	Interior Finishes		6.67	13,604

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
D20	Plumbing			
D2010	Domestic Water Distribution		10.00	20,400
D2020	Sanitary Drainage		6.00	12,240
D2030	Building Support Plumbing Systems		3.93	8,027
D2060	Process Support Plumbing Systems		2.00	4,080
	Plumbing		21.93	44,747
D30	HVAC			
D3050	Facility HVAC Distribution Systems		39.12	79,815
D3070	Special Purpose HVAC Systems		3.27	6,678
	HVAC		42.40	86,493
D40	Fire Protection			
D4010	Fire Suppression		6.30	12,852
	Fire Protection		6.30	12,852
D50	Electrical			
D5010	Facility Power Generation		4.00	8,160
D5020	Electrical Service and Distribution		14.50	29,580
D5080	Miscellaneous Electrical Systems		1.75	3,570
	Electrical		20.25	41,310
D60	Communications			
D6010	Data Communications		4.00	8,160
	Communications		4.00	8,160
D70	Electronic Safety and Security			
D7010	Access Controls and Intrusion Detection		2.17	4,427
D7050	Detection and Alarm		3.25	6,630
	Electronic Safety and Security		5.42	11,057
F10	Special Construction			
F1020	Special Structures		75.07	153,150
	Special Construction		75.07	153,150
	MAINTENANCE BUILDING		338.32	690,176

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		51,763
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		70,484
	Sub-contractor Bonds	1.25 %		10,155
	General Liability Insurance (per CM Pricing Exhibit 1)			9,327
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			1,413
	Payment & Performance Bond (per CM Pricing Exhibit 1)			7,160
	General Conditions (per CM Pricing Exhibit 1)			37,480
	General Requirements (per CM Pricing Exhibit 1)			23,384
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			3,869
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		21,012
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		16,209
ESTIMATED TOTAL COST			461.98	942,432

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A3 Maintenance Building

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
A10	FOUNDATIONS				
A1010	Standard Foundations				
655	Concrete to exterior isolated footings, 4500 PSI - 5'x5'x2' (Maintenance Building)	CY	15.00	265.00	3,975
529	Concrete to strip footings - 1' thick, 4500 PSI	CY	20.37	265.00	5,398
521	Form isolated footing	SF	320.00	17.50	5,600
530	Form strip footings	SF	365.51	17.50	6,396
522	Bar reinforcement to isolated footing	Lb	757.01	1.40	1,060
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	2,030.50	1.40	2,843
	Standard Foundations			12.39/SF	25,272
	FOUNDATIONS			12.39/SF	25,272
A20	BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES				
A2010	Walls for Subgrade Enclosures				
598	Concrete to frost walls, 4500 PSI	CY	54.16	275.00	14,894
605	Form frost walls	SF	1,460.58	17.50	25,560
617	Dampproofing to frost wall	SF	730.33	4.00	2,921
618	Rigid insulation - 2" thick	SF	730.29	3.50	2,556
	Walls for Subgrade Enclosures			22.52/SF	45,931
	BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES			22.52/SF	45,931
A40	SLABS-ON-GRADE				
A4010	Standard Slabs-on-Grade				
501	Concrete to slab on grade - 6" thick, 4000 PSI	CY	33.32	250.00	8,330
502	Form slab on grade	SF	88.72	15.50	1,375
503	WWF reinforcement	SF	1,798.00	1.20	2,158
698	Allowance for bar reinforcement	Lb	899.01	1.40	1,259
504	Float finish to slab on grade	SF	1,798.00	1.50	2,697
505	Control joints	SF	1,798.00	0.75	1,349
506	Air and vapor barrier	SF	1,798.00	0.85	1,528
656	Rigid insulation - 1" thick	SF	1,798.00		Incl.
508	Excavation for slab on grade (included in Site preparation)	CY	110.99		Incl.
509	Remove and dispose of excavated material (included in Site preparation)	CY	110.99		Incl.
510	Prepare and compact sub-base	SF	1,798.00	1.50	2,697

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
513	Imported sand gravel fill - 12" thick	CY	66.60	50.00	3,330
703	Winter conditions	LS	1.00		Excl.
707	Mechanical pads	Item			3,750
710	Engineering, layout, safety, cleaning, etc.	Item			1,000
	Standard Slabs-on-Grade			14.45/SF	29,473
	SLABS-ON-GRADE			14.45/SF	29,473
A60	WATER AND GAS MITIGATION				
A6010	Building Subdrainage				
619	Perimeter drain	LF	188.12	50.00	9,406
686	Under-slab drainage system	SF	1,798.00	3.50	6,293
	Building Subdrainage			7.70/SF	15,699
A6020	Off-Gassing Mitigation				
702	Allowance for radon mitigation	SF	1,798.00	2.00	3,596
	Off-Gassing Mitigation			1.76/SF	3,596
	WATER AND GAS MITIGATION			9.46/SF	19,295
A90	SUBSTRUCTURE RELATED ACTIVITIES				
A9010	Substructure Excavation				
591	Excavation for foundation footings (included in Site preparation)	CY	254.91		Incl.
593	Prepare and compact foundation sub-base	SF	748.24	1.50	1,122
594	Imported sand gravel fill below foundations - 12" thick	CY	27.73	50.02	1,387
620	Imported foundation backfill	CY	192.07	30.00	5,762
	Substructure Excavation			4.05/SF	8,271
	SUBSTRUCTURE RELATED ACTIVITIES			4.05/SF	8,271
B20	EXTERIOR VERTICAL ENCLOSURES				
B2010	Exterior Walls				
29	4" Thick CMU Veneer	SF	558.00	35.00	19,530
72	8" Thick CMU back-up	SF	558.00	25.00	13,950
89	3" Thick rigid insulation	SF	557.98	5.00	2,790
95	Fluid applied air-vapor barrier	SF	557.99	8.00	4,464
239	Exterior wall assembly, including cladding to CMU back-up, sheathing, insulation	SF	2,944.00		Excl.
	Exterior Walls			19.97/SF	40,734

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
B2050	Exterior Doors and Grilles				
238	12'-0" x 12'-0" Motor operated overhead door with insulating glass	EA	3.00	40,000.00	120,000
799	Single leaf door to Maintenance building, assumes hollow metal, including frame, finish, and hardware	EA	2.00	1,350.00	2,700
	Exterior Doors and Grilles			60.15/SF	122,700
	EXTERIOR VERTICAL ENCLOSURES			80.11/SF	163,434
B30	EXTERIOR HORIZONTAL ENCLOSURES				
B3010	Roofing				
206	Maintenance roof assembly (included with PEMB)	SF	2,073.00		Incl.
	Roofing				Incl.
	EXTERIOR HORIZONTAL ENCLOSURES				Incl.
C10	INTERIOR CONSTRUCTION				
C1010	Interior Partitions				
267	CMU partition, 8" thick	SF	296.69	25.00	7,417
410	Gypsum board furring - 3-5/8" metal stud with 1 layer 5/8" GWB (Type F4.0)	SF	106.68	5.00	533
488	Allowance for miscellaneous sealing and caulking	SF	2,040.00	0.75	1,530
489	Allowance for miscellaneous fire stopping	SF	2,040.00	0.25	510
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	2,040.00	1.25	2,550
	Interior Partitions			6.15/SF	12,540
C1030	Interior Doors				
115	Single leaf wooden doors, including frame, finish and hardware	EA	1.00	1,250.00	1,250
	Interior Doors			0.61/SF	1,250
C1090	Interior Specialties				
280	Restroom accessories - Tissue paper dispenser	EA	1.00	50.00	50
281	Restroom accessories - Grab bar	EA	2.00	100.00	200
282	Restroom accessories - Napkin disposal	EA	1.00	150.00	150
283	Restroom accessories - Robe hook	EA	1.00	30.00	30
284	Restroom accessories - Soap dispenser	EA	1.00	50.00	50
291	Restroom accessories - Framed mirror	EA	1.00	800.00	800
292	Restroom accessories - Towel dispenser/waste receptacle	EA	1.00	700.00	700
293	Allowance for miscellaneous metals	SF	2,040.00	1.00	2,040

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
294	Allowance for rough carpentry	SF	2,040.00	0.75	1,530
295	Allowance for wood blocking	SF	2,040.00	1.25	2,550
296	Allowance for fire extinguisher and cabinets	EA	0.82	850.00	697
297	Allowance for interior signage	SF	2,040.00	0.75	1,530
298	Allowance for exterior signage	Item			2,500
807	Allowance for miscellaneous clean-up, addtional labor, safety, etc. (Carpentry Trade)	SF	2,040.00	0.25	510
Interior Specialties				6.54/SF	13,337
INTERIOR CONSTRUCTION				13.30/SF	27,127
C20	INTERIOR FINISHES				
C2010	Wall Finishes				
141	Ceramic tile	SF	389.70	16.50	6,430
Wall Finishes				3.15/SF	6,430
C2030	Flooring				
5	Sealed concrete	SF	1,681.47	1.50	2,522
6	Epoxy flooring and base	SF	85.35	12.00	1,024
Flooring				1.74/SF	3,546
C2050	Ceiling Finishes				
41	Gypsum board ceiling, moisture resistant	SF	86.62	11.00	953
39	Paint to gypsum board ceiling	SF	86.62	1.50	130
40	Paint to exposed ceiling	SF	1,696.62	1.50	2,545
Ceiling Finishes				1.78/SF	3,628
INTERIOR FINISHES				6.67/SF	13,604
D20	PLUMBING				
D2010	Domestic Water Distribution				
421	Plumbing Fixtures	Note			
445	Allowance for support buildings fixtures	SF	2,040.00	3.00	6,120
447	Water Distribution and Components	Note			
472	Allowance for domestic water distribution system to support buildings	SF	2,040.00	7.00	14,280
Domestic Water Distribution				10.00/SF	20,400

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D2020	Sanitary Drainage				
484	Allowance for support building sanitary system	SF	2,040.00	6.00	12,240
	Sanitary Drainage			6.00/SF	12,240
D2030	Building Support Plumbing Systems				
652	Allowance for support building rain water drainage system	SF	2,040.00	2.00	4,080
785	Testing, balancing and commissioning	SF	2,040.00	0.50	1,020
786	Subcontractor GCs/GRs	Sum			2,927
	Building Support Plumbing Systems			3.93/SF	8,027
D2060	Process Support Plumbing Systems				
477	Allowance for support building gas system	SF	2,040.00	2.00	4,080
	Process Support Plumbing Systems			2.00/SF	4,080
	PLUMBING			21.93/SF	44,747
D30	HVAC				
D3050	Facility HVAC Distribution Systems				
177	Allowance for additional ductwork not yet designed	Lb	2,040.00	13.00	26,520
179	Allowance for additional duct insulation	SF	1,530.01	5.50	8,415
788	Allowance for ERV units and supplementary equipment to support areas	SF	2,040.00	15.00	30,600
403	Allowance for instrumentation and controls	SF	2,040.00	7.00	14,280
	Facility HVAC Distribution Systems			39.12/SF	79,815
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	2,040.00	0.50	1,020
784	Subcontractor GCs/GRs	Sum			5,658
	Special Purpose HVAC Systems			3.27/SF	6,678
	HVAC			42.40/SF	86,493
D40	FIRE PROTECTION				
D4010	Fire Suppression				
512	Allowance for sprinkler system to support buildings	SF	2,040.00	6.00	12,240
787	Subcontractor GCs/GRs	Sum			612
	Fire Suppression			6.30/SF	12,852
	FIRE PROTECTION			6.30/SF	12,852

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D50	ELECTRICAL				
D5010	Facility Power Generation				
217	Distribution maintenance building	SF	2,040.00	4.00	8,160
	Facility Power Generation			4.00/SF	8,160
D5020	Electrical Service and Distribution				
218	Lighting,power & mechanical maintenance building	SF	2,040.00	14.50	29,580
	Electrical Service and Distribution			14.50/SF	29,580
D5080	Miscellaneous Electrical Systems				
222	Misc. maintenance building	SF	2,040.00	1.75	3,570
	Miscellaneous Electrical Systems			1.75/SF	3,570
	ELECTRICAL			20.25/SF	41,310
D60	COMMUNICATIONS				
D6010	Data Communications				
219	Data maintenance building	SF	2,040.00	4.00	8,160
	Data Communications			4.00/SF	8,160
	COMMUNICATIONS			4.00/SF	8,160
D70	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
220	Security maintenance building	SF	2,040.00	2.17	4,427
	Access Controls and Intrusion Detection			2.17/SF	4,427
D7050	Detection and Alarm				
221	Fire alarm maintenance building	SF	2,040.00	3.25	6,630
	Detection and Alarm			3.25/SF	6,630
	ELECTRONIC SAFETY AND SECURITY			5.42/SF	11,057
F10	SPECIAL CONSTRUCTION				
F1020	Special Structures				
657	Pre-engineered building	SF	2,042.00	75.00	153,150
	Special Structures			75.07/SF	153,150
	SPECIAL CONSTRUCTION			75.07/SF	153,150
	MAINTENANCE BUILDING			338.32/SF	690,176

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
A	Building			
A4	Concessions/Restrooms	1,730.00	665.37	1,151,089
	Building	1,730.0	665.37	1,151,089
	ESTIMATED NET COST	1,730	665.37	1,151,089

MARGINS & ADJUSTMENTS				
Phasing / Temporary Works				Excl.
Design & Estimating Contingency	7.5 %			86,332
Escalation to Mid-Point of Construction (08/2023)	9.5 %			117,555
Sub-contractor Bonds	1.25 %			16,937
General Liability Insurance (per CM Pricing Exhibit 1)				15,556
Builder's Risk Insurance (per CM Pricing Exhibit 1)				2,357
Payment & Performance Bond (per CM Pricing Exhibit 1)				11,942
General Conditions (per CM Pricing Exhibit 1)				62,510
General Requirements (per CM Pricing Exhibit 1)				39,000
Allowance for Additional Requirements not included in CM Pricing Exhibit 1				6,453
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %			35,044
CM Fee (per CM Pricing Exhibit 1)	1.75 %			27,034
ESTIMATED TOTAL COST		1,730	908.56	1,571,809

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A4 Concessions/Restrooms

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
A10	Foundations			
A1010	Standard Foundations		45.02	77,889
	Foundations		45.02	77,889
A20	Basement ConstructionSubgrade Enclosures			
A2010	Walls for Subgrade Enclosures		47.69	82,507
	Basement ConstructionSubgrade Enclosures		47.69	82,507
A40	Slabs-on-Grade			
A4010	Standard Slabs-on-Grade		14.26	24,667
	Slabs-on-Grade		14.26	24,667
A60	Water and Gas Mitigation			
A6010	Building Subdrainage		11.66	20,164
A6020	Off-Gassing Mitigation		1.57	2,718
	Water and Gas Mitigation		13.23	22,882
A90	Substructure Related Activities			
A9010	Substructure Excavation		9.86	17,058
	Substructure Related Activities		9.86	17,058
B10	Superstructure			
B1020	Roof Construction		41.96	72,586
	Superstructure		41.96	72,586
B20	Exterior Vertical Enclosures			
B2010	Exterior Walls		133.95	231,726
B2050	Exterior Doors and Grilles		16.24	28,100
	Exterior Vertical Enclosures		150.19	259,826
B30	Exterior Horizontal Enclosures			
B3010	Roofing		25.74	44,525
	Exterior Horizontal Enclosures		25.74	44,525
C10	Interior Construction			
C1010	Interior Partitions		9.22	15,952
C1090	Interior Specialties		27.29	47,219
	Interior Construction		36.52	63,171
C20	Interior Finishes			
C2010	Wall Finishes		20.45	35,372
C2030	Flooring		8.55	14,795

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
C2050	Ceiling Finishes		7.92	13,708
	Interior Finishes		36.92	63,875
D10	Conveying			
D1010	Vertical Conveying Systems		121.39	210,000
	Conveying		121.39	210,000
D20	Plumbing			
D2010	Domestic Water Distribution		10.52	18,200
D2020	Sanitary Drainage		6.31	10,920
D2030	Building Support Plumbing Systems		4.14	7,162
D2060	Process Support Plumbing Systems		2.10	3,640
	Plumbing		23.08	39,922
D30	HVAC			
D3050	Facility HVAC Distribution Systems		41.16	71,208
D3070	Special Purpose HVAC Systems		3.44	5,958
	HVAC		44.60	77,166
D40	Fire Protection			
D4010	Fire Suppression		6.63	11,466
	Fire Protection		6.63	11,466
D50	Electrical			
D5010	Facility Power Generation		6.31	10,920
D5020	Electrical Service and Distribution		15.25	26,390
D5080	Miscellaneous Electrical Systems		1.84	3,185
	Electrical		23.41	40,495
D60	Communications			
D6010	Data Communications		4.47	7,735
	Communications		4.47	7,735
D70	Electronic Safety and Security			
D7010	Access Controls and Intrusion Detection		2.28	3,949
D7050	Detection and Alarm		3.68	6,370
	Electronic Safety and Security		5.96	10,319

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building		GFAR: 1,730.00 SF Cost/SF: 665.37		
A4 Concessions/Restrooms (continued)		Rates Current At July 2021		
Ref	Description	%	GFAR USD/SF	Total Cost USD
E10	Equipment			
E1090	Other Equipment		14.45	25,000
	Equipment		14.45	25,000
	CONCESSIONS/RESTROOMS		665.37	1,151,089

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		86,332
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		117,555
	Sub-contractor Bonds	1.25 %		16,937
	General Liability Insurance (per CM Pricing Exhibit 1)			15,556
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			2,357
	Payment & Performance Bond (per CM Pricing Exhibit 1)			11,942
	General Conditions (per CM Pricing Exhibit 1)			62,510
	General Requirements (per CM Pricing Exhibit 1)			39,000
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			6,453
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		35,044
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		27,034
ESTIMATED TOTAL COST			908.56	1,571,809

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
A10	FOUNDATIONS				
A1010	Standard Foundations				
520	Concrete to exterior isolated footings, 4500 PSI - 6'x6'x2' (Concession Building)	CY	54.00	265.00	14,310
586	Concrete to strip footings - 2' thick, 4500 PSI	CY	43.87	265.01	11,626
588	Concrete to mat footings - 2' thick, 4500 PSI	CY	7.88	264.97	2,088
521	Form isolated footing	SF	960.00	17.50	16,800
530	Form strip footings	SF	1,183.62	17.50	20,713
589	Form mat footings	SF	82.06	17.50	1,436
522	Bar reinforcement to isolated footing	Lb	2,649.54	1.40	3,709
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	4,383.58	1.40	6,137
590	Bar reinforcement to mat footings, allow 100 PCY	Lb	764.47	1.40	1,070
	Standard Foundations			45.02/SF	77,889
	FOUNDATIONS			45.02/SF	77,889
A20	BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES				
A2010	Walls for Subgrade Enclosures				
598	Concrete to frost walls, 4500 PSI	CY	87.76	275.00	24,134
615	Concrete to elevator pit walls, 4500 PSI	CY	1.96	275.00	539
605	Form frost walls	SF	2,367.02	17.50	41,423
616	Form elevator pit walls	SF	148.40	17.50	2,597
613	Bar reinforcement to elevator pit walls, allow 10 PSF	Lb	741.80	1.40	1,039
614	Waterproofing to basement retaining walls and footings and elevator pit walls and footings	SF	251.53	12.00	3,018
617	Dampproofing to frost wall	SF	1,183.55	4.00	4,734
618	Rigid insulation - 2" thick	SF	1,435.03	3.50	5,023
	Walls for Subgrade Enclosures			47.69/SF	82,507
	BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES			47.69/SF	82,507
A40	SLABS-ON-GRADE				
A4010	Standard Slabs-on-Grade				
501	Concrete to slab on grade - 6" thick, 4000 PSI	CY	25.19	250.02	6,298
502	Form slab on grade	SF	146.30	15.50	2,268
503	WWF reinforcement	SF	1,359.17	1.20	1,631
698	Allowance for bar reinforcement	Lb	679.59	1.40	951

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
504	Float finish to slab on grade	SF	1,359.17	1.50	2,039
505	Control joints	SF	1,359.17	0.75	1,019
506	Air and vapor barrier	SF	1,359.17	0.85	1,155
507	Rigid insulation - 2" thick	SF	1,359.17		Incl.
508	Excavation for slab on grade (included in Site preparation)	CY	83.91		Incl.
509	Remove and dispose of excavated material (included in Site preparation)	CY	83.91		Incl.
510	Prepare and compact sub-base	SF	1,359.17	1.50	2,039
513	Imported sand gravel fill - 12" thick	CY	50.34	50.00	2,517
703	Winter conditions	LS	1.00		Excl.
707	Mechanical pads	Item			3,750
710	Engineering, layout, safety, cleaning, etc.	Item			1,000
Standard Slabs-on-Grade				14.26/SF	24,667
SLABS-ON-GRADE				14.26/SF	24,667
A60	WATER AND GAS MITIGATION				
A6010	Building Subdrainage				
619	Perimeter drain	LF	308.14	50.00	15,407
686	Under-slab drainage system	SF	1,359.17	3.50	4,757
Building Subdrainage				11.66/SF	20,164
A6020	Off-Gassing Mitigation				
702	Allowance for radon mitigation	SF	1,359.17	2.00	2,718
Off-Gassing Mitigation				1.57/SF	2,718
WATER AND GAS MITIGATION				13.23/SF	22,882
A90	SUBSTRUCTURE RELATED ACTIVITIES				
A9010	Substructure Excavation				
591	Excavation for foundation footings (included in Site preparation)	CY	567.69		Incl.
593	Prepare and compact foundation sub-base	SF	1,414.98	1.50	2,122
594	Imported sand gravel fill below foundations - 12" thick	CY	52.43	50.01	2,622
654	Excavation for elevator pit	CY	15.64		Incl.
620	Imported foundation backfill	CY	410.46	30.00	12,314
Substructure Excavation				9.86/SF	17,058
SUBSTRUCTURE RELATED ACTIVITIES				9.86/SF	17,058

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
B10	SUPERSTRUCTURE				
B1020	Roof Construction				
546	Galvanized corrugated roof deck - 3" deep, type N	SF	1,732.38	5.50	9,528
564	Structural steel framing - allow 14 PSF	T	12.1266	4,700.00	56,995
551	Allowance for miscellaneous connections and framings	T	12.1266		Incl.
719	Allowance for spray applied fireproofing (members only)	SF	1,732.37	3.50	6,063
	Roof Construction			41.96/SF	72,586
	SUPERSTRUCTURE			41.96/SF	72,586
B20	EXTERIOR VERTICAL ENCLOSURES				
B2010	Exterior Walls				
212	Glazed storefront system	SF	87.59	95.00	8,321
30	Insulated metal panel	SF	215.09	65.00	13,981
29	4" Thick CMU Veneer	SF	2,798.10	35.00	97,934
72	8" Thick CMU back-up	SF	2,798.13	25.00	69,953
74	8" Metal stud back-up, sheathing, interior GWB lining	SF	215.09	20.00	4,302
89	3" Thick rigid insulation	SF	2,798.04	5.00	13,990
90	3" Thick batt insulation	SF	215.09	4.00	860
95	Fluid applied air-vapor barrier	SF	2,798.08	8.00	22,385
237	Exterior wall assembly, including cladding to CMU back-up, sheathing, insulation	SF	3,145.00		Excl.
	Exterior Walls			133.95/SF	231,726
B2050	Exterior Doors and Grilles				
241	8'-0" x 8'-0" Motor operated overhead door with insulating panels	EA	1.00	20,000.00	20,000
240	Single leaf door to Concessions, assumes hollow metal, including frame, finish, and hardware	EA	6.00	1,350.00	8,100
	Exterior Doors and Grilles			16.24/SF	28,100
	EXTERIOR VERTICAL ENCLOSURES			150.19/SF	259,826
B30	EXTERIOR HORIZONTAL ENCLOSURES				
B3010	Roofing				
800	Concession Building roof assembly, assumes PVC membrane roofing	SF	1,781.00	25.00	44,525
	Roofing			25.74/SF	44,525
	EXTERIOR HORIZONTAL ENCLOSURES			25.74/SF	44,525

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
C10	INTERIOR CONSTRUCTION				
C1010	Interior Partitions				
267	CMU partition, 8" thick	SF	301.77	25.00	7,544
268	CMU partition, 12" thick	SF	113.43	30.00	3,403
488	Allowance for miscellaneous sealing and caulking	SF	1,820.00	0.75	1,365
489	Allowance for miscellaneous fire stopping	SF	1,820.00	0.25	455
806	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Masonry Trade)	SF	1,820.00	0.50	910
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	1,820.00	1.25	2,275
	Interior Partitions			9.22/SF	15,952
C1090	Interior Specialties				
277	Restroom accessories - Toilet partition	EA	10.00	1,200.00	12,000
287	Restroom accessories - Toilet partition, ADA	EA	2.00	1,500.00	3,000
302	Restroom accessories - Urinal partition	EA	6.00	650.00	3,900
280	Restroom accessories - Tissue paper dispenser	EA	12.00	50.00	600
281	Restroom accessories - Grab bar	EA	24.00	100.00	2,400
282	Restroom accessories - Napkin disposal	EA	9.00	150.00	1,350
283	Restroom accessories - Robe hook	EA	12.00	30.00	360
284	Restroom accessories - Soap dispenser	EA	8.00	50.00	400
291	Restroom accessories - Framed mirror	EA	10.00	800.00	8,000
292	Restroom accessories - Towel dispenser/waste receptacle	EA	4.00	700.00	2,800
754	Allowance for elevator pit ladder, cover, etc	EA	2.00	1,000.00	2,000
293	Allowance for miscellaneous metals	SF	1,820.00	1.00	1,820
294	Allowance for rough carpentry	SF	1,820.00	0.75	1,365
295	Allowance for wood blocking	SF	1,820.00	1.25	2,275
296	Allowance for fire extinguisher and cabinets	EA	0.74	850.00	629
297	Allowance for interior signage	SF	1,820.00	0.75	1,365
298	Allowance for exterior signage	Item			2,500
807	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	1,820.00	0.25	455
	Interior Specialties			27.29/SF	47,219
	INTERIOR CONSTRUCTION			36.52/SF	63,171

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
C20	INTERIOR FINISHES				
C2010	Wall Finishes				
141	Ceramic tile	SF	1,998.59	16.50	32,977
170	Prepare and apply epoxy paint	SF	592.05	3.00	1,776
171	Prepare and apply paint to CMU	SF	495.13	1.25	619
	Wall Finishes			20.45/SF	35,372
C2030	Flooring				
5	Sealed concrete	SF	111.79	1.50	168
6	Epoxy flooring and base	SF	1,218.89	12.00	14,627
	Flooring			8.55/SF	14,795
C2050	Ceiling Finishes				
31	Acoustic ceiling (ACT-1)	SF	308.40	7.00	2,159
41	Gypsum board ceiling, moisture resistant	SF	910.45	11.00	10,015
39	Paint to gypsum board ceiling	SF	910.43	1.50	1,366
40	Paint to exposed ceiling	SF	111.75	1.50	168
	Ceiling Finishes			7.92/SF	13,708
	INTERIOR FINISHES			36.92/SF	63,875
D10	CONVEYING				
D1010	Vertical Conveying Systems				
752	Passenger elevator, 2 stops	EA	1.00	110,000.00	110,000
804	Limited use/Limited application elevator	EA	1.00	100,000.00	100,000
	Vertical Conveying Systems			121.39/SF	210,000
	CONVEYING			121.39/SF	210,000
D20	PLUMBING				
D2010	Domestic Water Distribution				
421	Plumbing Fixtures	Note			
445	Allowance for support buildings fixtures	SF	1,820.00	3.00	5,460
447	Water Distribution and Components	Note			
472	Allowance for domestic water distribution system to support buildings	SF	1,820.00	7.00	12,740
	Domestic Water Distribution			10.52/SF	18,200

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D2020	Sanitary Drainage				
484	Allowance for support building sanitary system	SF	1,820.00	6.00	10,920
	Sanitary Drainage			6.31/SF	10,920
D2030	Building Support Plumbing Systems				
652	Allowance for support building rain water drainage system	SF	1,820.00	2.00	3,640
785	Testing, balancing and commissioning	SF	1,820.00	0.50	910
786	Subcontractor GCs/GRs	Sum			2,612
	Building Support Plumbing Systems			4.14/SF	7,162
D2060	Process Support Plumbing Systems				
477	Allowance for support building gas system	SF	1,820.00	2.00	3,640
	Process Support Plumbing Systems			2.10/SF	3,640
	PLUMBING			23.08/SF	39,922
D30	HVAC				
D3050	Facility HVAC Distribution Systems				
177	Allowance for additional ductwork not yet designed	Lb	1,820.00	13.00	23,660
179	Allowance for additional duct insulation	SF	1,365.01	5.50	7,508
788	Allowance for ERV units and supplementary equipment to support areas	SF	1,820.00	15.00	27,300
403	Allowance for instrumentation and controls	SF	1,820.00	7.00	12,740
	Facility HVAC Distribution Systems			41.16/SF	71,208
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	1,820.00	0.50	910
784	Subcontractor GCs/GRs	Sum			5,048
	Special Purpose HVAC Systems			3.44/SF	5,958
	HVAC			44.60/SF	77,166
D40	FIRE PROTECTION				
D4010	Fire Suppression				
512	Allowance for sprinkler system to support buildings	SF	1,820.00	6.00	10,920
787	Subcontractor GCs/GRs	Sum			546
	Fire Suppression			6.63/SF	11,466
	FIRE PROTECTION			6.63/SF	11,466

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D50	ELECTRICAL				
D5010	Facility Power Generation				
229	Distribution Concessions building	SF	1,820.00	6.00	10,920
	Facility Power Generation			6.31/SF	10,920
D5020	Electrical Service and Distribution				
230	Lighting,power & mechanical Concessions building	SF	1,820.00	14.50	26,390
	Electrical Service and Distribution			15.25/SF	26,390
D5080	Miscellaneous Electrical Systems				
234	Misc. concessions building	SF	1,820.00	1.75	3,185
	Miscellaneous Electrical Systems			1.84/SF	3,185
	ELECTRICAL			23.41/SF	40,495
D60	COMMUNICATIONS				
D6010	Data Communications				
231	Data Concessions building	SF	1,820.00	4.25	7,735
	Data Communications			4.47/SF	7,735
	COMMUNICATIONS			4.47/SF	7,735
D70	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
232	Security Concessions building	SF	1,820.00	2.17	3,949
	Access Controls and Intrusion Detection			2.28/SF	3,949
D7050	Detection and Alarm				
233	Fire alarm Concessions building	SF	1,820.00	3.50	6,370
	Detection and Alarm			3.68/SF	6,370
	ELECTRONIC SAFETY AND SECURITY			5.96/SF	10,319
E10	EQUIPMENT				
E1090	Other Equipment				
801	Food service equipment (Concession)	LS	1.00	25,000.00	25,000
	Other Equipment			14.45/SF	25,000
	EQUIPMENT			14.45/SF	25,000
	CONCESSIONS/RESTROOMS			665.37/SF	1,151,089

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
B	Sitework			38,658,328
ESTIMATED NET COST				38,658,328

MARGINS & ADJUSTMENTS

Phasing / Temporary Works		Excl.
Design & Estimating Contingency	7.5 %	2,899,375
Escalation to Mid-Point of Construction (08/2023)	9.5 %	3,947,982
Sub-contractor Bonds	1.25 %	568,821
General Liability Insurance (per CM Pricing Exhibit 1)		522,435
Builder's Risk Insurance (per CM Pricing Exhibit 1)		79,157
Payment & Performance Bond (per CM Pricing Exhibit 1)		401,061
General Conditions (per CM Pricing Exhibit 1)		2,099,348
General Requirements (per CM Pricing Exhibit 1)		1,309,788
Allowance for Additional Requirements not included in CM Pricing Exhibit 1		216,707
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %	1,176,929
CM Fee (per CM Pricing Exhibit 1)	1.75 %	907,899
ESTIMATED TOTAL COST		52,787,830

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

B Sitework

Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
F20	Facility Remediation			
F2010	Hazardous Materials Remediation			2,000,000
	Facility Remediation			2,000,000
F30	Demolition			
F3010	Structure Demolition			1,702,853
	Demolition			1,702,853
G10	Site Preparation			
G1010	Site Clearing			517,300
G1020	Site Elements Demolition			1,101,284
G1070	Site Earthwork			10,616,479
	Site Preparation			12,235,063
G20	Site Improvements			
G2010	Roadways			1,335,343
G2020	Parking Lots			2,007,279
G2030	Pedestrian Plazas and Walkways			684,413
G2050	Athletic, Recreational, and Playfield Areas			4,886,081
G2060	Site Development			2,510,010
G2080	Landscaping			1,160,068
	Site Improvements			12,583,194
G30	Liquid and Gas Site Utilities			
G3010	Water Utilities			1,123,170
G3020	Sanitary Sewerage Utilities			786,750
G3030	Storm Drainage Utilities			6,036,580
G3090	Liquid and Gas Site Utilities Supplementary Components			100,000
	Liquid and Gas Site Utilities			8,046,500
G40	Electrical Site Improvements			
G4010	Site Electric Distribution Systems			1,073,063
G4050	Site Lighting			664,625
	Electrical Site Improvements			1,737,688
G50	Site Communications			
G5010	Site Communications			353,030
	Site Communications			353,030
	SITework			38,658,328

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS SUMMARY

B Sitework

Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		2,899,375
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		3,947,982
	Sub-contractor Bonds	1.25 %		568,821
	General Liability Insurance (per CM Pricing Exhibit 1)			522,435
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			79,157
	Payment & Performance Bond (per CM Pricing Exhibit 1)			401,061
	General Conditions (per CM Pricing Exhibit 1)			2,099,348
	General Requirements (per CM Pricing Exhibit 1)			1,309,788
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			216,707
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		1,176,929
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		907,899
ESTIMATED TOTAL COST				52,787,830

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

B Sitework

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
F20	FACILITY REMEDIATION				
F2010	Hazardous Materials Remediation				
552	Allowance for hazardous materials abatement	LS	1.0	2,000,000.00	2,000,000
	Hazardous Materials Remediation				2,000,000
	FACILITY REMEDIATION				2,000,000
F30	DEMOLITION				
F3010	Structure Demolition				
553	Demolish existing school building	SF	239,144.0	7.00	1,674,008
554	Demolish miscellaneous support/outbuildings	SF	5,769.0	5.00	28,845
	Structure Demolition				1,702,853
	DEMOLITION				1,702,853
G10	SITE PREPARATION				
G1010	Site Clearing				
672	Allowance for dust control	LS	1.0	50,000.00	50,000
676	Clearing and grubbing	Acre	15.20	7,500.00	114,000
677	Tree removal	EA	100.0	750.00	75,000
678	Site fencing including maintenance	LF	2,532.0	25.00	63,300
679	Mobilization	LS	1.0	100,000.00	100,000
680	Submittals, as-builts, layout, survey, etc.	LS	1.0	115,000.00	115,000
	Site Clearing				517,300
G1020	Site Elements Demolition				
523	Remove and dispose of existing catch basins	EA	31.0	750.00	23,250
524	Remove and dispose of existing manholes	EA	17.0	750.00	12,750
525	Remove and dispose existing utilities piping	LF	1,486.0	35.00	52,010
526	Protect and maintain existing hydrant	EA	1.0	500.00	500
527	Cap water main	EA	1.0	1,500.00	1,500
528	Remove and dispose M&P structure	EA	3.0	1,000.00	3,000
531	Remove existing fire hydrant	EA	1.0	250.00	250
532	Maintain and protect existing sewer manhole	EA	6.0	300.00	1,800
533	Break-out and remove existing pavements	SF	262,091.0	2.00	524,182
534	Break-out and remove existing basketball courts	SF	12,935.0	2.00	25,870
536	Remove and dispose existing light poles and associated wiring	EA	16.0	300.00	4,800

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
541	Remove and dispose existing light sconces and associated wiring	EA	25.0	100.00	2,500
544	Remove and dispose of existing fencing	LF	3,165.0	20.00	63,300
545	Remove and dispose of existing metal guardrail	LF	721.0	25.00	18,025
555	Remove and dispose of buried fuel tanks	EA	2.0	30,000.00	60,000
556	Remove and dispose of above grade gas tanks	EA	4.0	500.00	2,000
557	Remove and dispose of sliding gate	EA	4.0	350.00	1,400
559	Remove and dispose of jersey barrier	LF	21.0	30.00	630
560	Remove and dispose of trailers	EA	4.0	1,000.00	4,000
561	Allowance for miscellaneous site demolition not indicated on plans	SF	1,496,779.0	0.15	224,517
762	Existing building electrical demolition (phased)	EA	1.0	75,000.00	75,000
Site Elements Demolition					1,101,284
G1070	Site Earthwork				
666	Excavate to proposed level	CY	99,437.0	15.00	1,491,555
667	Excavate to proposed level, rock excavation including survey, drilling, stockpile, etc.	CY	150,000.0	45.00	6,750,000
668	Fill to proposed level using excavated materials	CY	142,140.0	10.00	1,421,400
669	Allowance for fine grading	SF	1,679,175.0	0.25	419,794
670	Allowance for dewatering	LS	1.0	400,000.00	400,000
673	Inlet protection	EA	10.0	1,000.00	10,000
674	Construction entrance	EA	2.0	7,000.00	14,000
675	Haybale and silt fencing including maintenance	LF	10,973.0	10.00	109,730
Site Earthwork					10,616,479
SITE PREPARATION					12,235,063
G20	SITE IMPROVEMENTS				
G2010	Roadways				
167	Farm street driveway intersection improvement including paving milling and overall, granite curbs, traffic signal, etc. (per Nitsch Engineering)	LS	1.0	355,000.00	355,000
733	Excavate for paving	CY	3,574.0	15.00	53,610
735	Stock pile excavated materials for re-use	CY	3,574.0	6.00	21,444
734	Prepare and compact subbase	SF	90,307.0	1.00	90,307
736	Granular fill, 12" thick, re-use excavated materials	CY	3,345.0	12.00	40,140
247	Vehicular asphalt paving	SY	10,035.0	45.00	451,575

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
248	Vertical granite curb	LF	5,996.0	60.00	359,760
249	Formed asphalt curb: cape cod berm	LF	1,713.0	15.00	25,695
737	Pavement markings	SF	90,307.0	0.25	22,577
813	Temporary access road and repairs	LS	1.0	100,000.00	100,000
827	Reduce granite curb by 35%	LF	-2,099.0	60.00	-125,940
828	Cape cod berm ILO granite	LF	2,099.0	15.00	31,485
831	Asphalt paving ILO of vehicular paving	SY	9,031.0	35.00	316,085
832	Vehicular paving	SY	9,031.0	-45.00	-406,395
Roadways					1,335,343
G2020	Parking Lots				
738	Excavate for paving	CY	8,137.0	15.00	122,055
739	Stock pile excavated materials for re-use	CY	8,137.0	6.00	48,822
740	Prepare and compact subbase	SF	237,718.0	1.00	237,718
742	Granular fill, re-use excavated materials	CY	6,019.0	12.00	72,228
253	Asphalt paving	SY	25,071.0	35.00	877,485
290	Vehicular concrete paving	SY	1,343.0	45.00	60,435
255	Vertical granite curb	LF	10,700.0	60.00	642,000
671	Formed asphalt curb: cape cod berm	LF	1,387.0	15.00	20,805
262	Accessible pavement markings	SF	2,468.0	3.00	7,404
263	Crosswalk markings	SF	1,094.0	3.00	3,282
265	EV pavement markings	EA	10.0	500.00	5,000
266	Electric vehicle charging station (refer to Site Electrical)	EA	5.0		Incl.
261	Green vehicle pavement markings	EA	22.0	500.00	11,000
257	Handicap vehicle pavement markings	EA	11.0	500.00	5,500
357	Parking line marking	LF	8,832.0	5.00	44,160
812	Temporary parking	LS	1.0	30,000.00	30,000
829	Reduce granite curb by 35%	LF	-3,745.0	60.00	-224,700
830	Cape cod berm ILO granite	LF	3,745.0	15.00	56,175
833	Asphalt paving ILO of vehicular paving	SY	1,209.0	35.00	42,315
834	Vehicular paving	SY	1,209.0	-45.00	-54,405
Parking Lots					2,007,279
G2030	Pedestrian Plazas and Walkways				
743	Excavate for paving	CY	2,502.0	15.00	37,530

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
744	Stock pile excavated materials for re-use	CY	2,502.0	6.00	15,012
745	Prepare and compact subbase	SF	67,413.0	1.00	67,413
746	Granular fill, re-use excavated materials	CY	1,714.0	12.00	20,568
256	Asphalt walkway pavement	SY	3,669.0	35.00	128,415
718	Vehicular concrete walkway	SY	444.0	45.00	19,980
264	Accessible curb ramp	SF	991.0		Incl.
269	Integral color aggregate concrete paving	SF	11,490.0	15.00	172,350
273	Granite pavers, type A	SF	895.0	60.00	53,700
279	Concrete unit plank pavers, type B	SF	1,010.0	30.00	30,300
362	Concrete walkway paving	SF	17,017.0	10.00	170,170
367	Detectable warning	SF	292.0	40.00	11,680
814	Temporary walkways	LS	1.0	30,000.00	30,000
835	Reduce concrete sidewalk	SF	5,000.0	-10.00	-50,000
836	Asphalt ILO concrete sidewalk	SY	556.0	35.00	19,460
837	Concrete walkway paving ILO colored walkways (50% of original area)	SF	5,745.0	10.00	57,450
838	Remove colored walkway	SF	5,745.0	-15.00	-86,175
839	Concrete pavers ILO of granite (50% of original area)	SF	448.0	30.00	13,440
840	Remove granite pavers	SF	448.0	-60.00	-26,880
Pedestrian Plazas and Walkways					684,413
G2050	Athletic, Recreational, and Playfield Areas				
755	Excavate athletic fields	CY	9,733.0	15.00	145,995
756	Stock pile excavated materials for re-use	CY	9,733.0	6.00	58,398
757	Prepare and compact subbase	SF	285,443.0	1.00	285,443
758	Granular base to athletic fields, re-use excavated materials	CY	10,572.0	12.00	126,864
388	Infilled synthetic turf (Baseball Court)	SF	101,022.0	7.00	707,154
389	Infilled synthetic turf (Football Court)	SF	77,980.0	7.00	545,860
405	Urethane resilient track surfacing (D-Zone)	SF	21,659.0	20.00	433,180
404	Urethane resilient track surfacing on asphalt (6-Lane Track)	SF	32,617.0	20.00	652,340
390	3" Asphalt paving with acrylic sand color seal coat (Tennis Court)	SF	29,512.0	10.00	295,120
391	Engineered infield mix (Softball Court)	SF	22,655.0	3.00	67,965
723	10'-0" High BVC chainlink fence	LF	25.0	150.00	3,750
693	6'-0" High BVC chainlink fence	LF	970.0	90.00	87,300

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
397	4'-0" High BVC chainlink fence	LF	2,556.0	50.00	127,800
398	4'-0" High BVC chainlink fence single leaf gate	EA	4.0	300.00	1,200
725	6'-0" High BVC chainlink fence single leaf gate	EA	1.0	400.00	400
694	4'-0" High BVC chainlink fence double leaf gate	EA	2.0	650.00	1,300
724	10'-0" High BVC chainlink fence double leaf gate	EA	1.0	950.00	950
684	Chainlink fence backstop	LF	141.0	350.00	49,350
697	Shotput cage - allow 20' high	LF	68.0	350.00	23,800
406	Trench drain	LF	1,302.0	100.00	130,200
396	Electronic scoreboard - steel posts with concrete footing	EA	3.0	5,000.00	15,000
417	Football goal post and footing	EA	2.0	20,000.00	40,000
416	20'-0" high sports netting	LF	541.0	500.00	270,500
418	Long jump runway	SF	1,313.0		Incl.
419	Long jump pit	SF	755.0	15.00	11,325
420	Shotput throwing pad and landing sector	SF	200.0		Incl.
422	Stabilized stonedust	SF	1,101.0	2.00	2,202
429	Team bench	LF	180.0	95.00	17,100
689	Reinforcement concrete pad	SF	2,747.0	20.00	54,940
690	Asphalt pad	SY	46.0	50.00	2,300
692	Overhead shade structure - 8'x32'	SF	1,291.0	35.00	45,185
695	Pole vault runway	SF	633.0		Incl.
696	Pole vault box	EA	1.0	1,500.00	1,500
726	Foul pole including footing	EA	3.0	6,500.00	19,500
699	Aluminum bleacher system with pressbox - Football field, 500 person	LS	1.0	300,000.00	300,000
704	Aluminum bleacher system - Baseball field, 50 person	LS	1.0	23,000.00	23,000
705	Aluminum bleacher system - Softball field, 50 person	LS	1.0	23,000.00	23,000
709	Aluminum bleacher system - Softball field, 30 person	LS	1.0	14,000.00	14,000
700	Allowance for concrete footings to bleacher system	SF	5,144.0	15.00	77,160
701	Outdoor fitness equipment - by Owner	EA	5.0		Excl.
769	Exterior scoreboard baseball	EA	1.0	50,000.00	50,000
770	Exterior scoreboard football	EA	1.0	125,000.00	125,000
771	Exterior scoreboard softball	EA	1.0	50,000.00	50,000
Athletic, Recreational, and Playfield Areas					4,886,081

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G2060	Site Development				
54	Granite veneer to retaining wall - not required	SF	3,264.0		Excl.
258	Riprap slope (re-use existing or blasted materials)	SF	44,692.0	10.00	446,920
259	Guardrail along riprap slope	LF	3,208.0	75.00	240,600
260	Segmented retaining wall	LF	172.0	200.00	34,400
270	Straight Gabion seat with wall mount wood topper	LF	130.0	650.00	84,500
271	Curved Gabion seat with wall mount wood topper	LF	78.0	650.00	50,700
278	Cafe table and (4) cafe wood seat	EA	21.0	4,500.00	94,500
286	Concession table and bench	EA	9.0	4,000.00	36,000
288	Loading dock ramp	SF	336.0	35.00	11,760
289	Dumpster - by Owner	EA	2.0		Excl.
778	Poured in place rubber safety surfacing	SF	933.0	25.00	23,325
369	Steel bollard (at walkway)	EA	2.0	650.00	1,300
370	4'-0" High wire mesh fence	LF	102.0	400.00	40,800
682	6'-0" High wire mesh fence	LF	139.0	500.00	69,500
371	4'-0" High Gabian fence wall with metal signage	LF	25.0	400.00	10,000
372	4'-0" High ornamental fence	LF	30.0	100.00	3,000
374	Custom 2" black granite slab wall mounted on perforated galv. metal seat framing	LF	49.0	350.00	17,150
377	8'-0" High chain link double leaf gate	Pair	2.0	950.00	1,900
378	8'-0" High BVC chainlink fence	LF	116.0	120.00	13,920
387	10'-0" High BVC chainlink fence	LF	718.0	150.00	107,700
379	Concrete filled steel bollard (equipment area)	EA	12.0	650.00	7,800
380	Equipment concrete pad	SF	336.0	25.00	8,400
381	Wood deck	SF	401.0	35.00	14,035
399	Pre-engineered elevated boardwalk ramping system	SF	4,546.0	110.00	500,060
400	CIP Concrete stair	SF	2,392.0	45.00	107,640
401	CIP Concrete ramp	SF	1,168.0	25.00	29,200
402	Guardrail to CIP concrete stair / ramp	LF	1,125.0	275.00	309,375
683	Metal shaded roof pergola - not required	SF	323.0		Excl.
727	Electronic vehicle access system, including bollard mounted card reader (refer to Electrical)	EA	2.0		Incl.
373	CIP Retaining wall	CY	98.0	1,800.00	176,400
728	CIP Retaining wall strip footing	CY	110.0	1,000.00	110,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
825	Reduce site furnishing costs by 25%	LS	1.0	-40,875.00	-40,875
Site Development					2,510,010
G2080	Landscaping				
272	Large seating boulders (\$250,000 TVD)	EA	32.0	7,812.50	250,000
407	Low mow lawn	SF	146,099.0	0.50	73,050
711	Trees	EA	48.0	1,000.00	48,000
712	Deciduous trees	EA	137.0	1,000.00	137,000
713	Evergreen trees	EA	64.0	1,500.00	96,000
717	Ornamental trees	EA	29.0	1,200.00	34,800
714	Ground covers	EA	451.0	30.00	13,530
715	Ornamental grass	EA	2,592.0	20.00	51,840
716	Shrubs	EA	202.0	100.00	20,200
789	Imported planting mix	CY	2,869.0	50.00	143,450
791	Lawn irrigation system	SF	146,099.0	2.00	292,198
Landscaping					1,160,068
SITE IMPROVEMENTS					12,583,194
G30	LIQUID AND GAS SITE UTILITIES				
G3010	Water Utilities				
565	Connect to existing mains	EA	3.0	5,000.00	15,000
566	Ductile iron pipe, 8"	LF	6,341.0	125.00	792,625
573	Ductile iron pipe, 6"	LF	297.0	95.00	28,215
568	Hydrants	EA	11.0	5,000.00	55,000
569	Excavation and backfill	LF	6,638.0	35.00	232,330
Water Utilities					1,123,170
G3020	Sanitary Sewerage Utilities				
580	Connect to existing line	EA	1.0	5,000.00	5,000
578	Manholes	EA	34.0	4,500.00	153,000
575	PVC pipe, 8"	LF	2,656.0	135.00	358,560
576	PVC pipe, 6"	LF	739.0	100.00	73,900
581	Clean existing sewer line	LF	1,550.0	50.00	77,500
574	Precast grease traps, refer to Plumbing	EA	2.0		Incl.
577	Excavation and backfill	LF	3,394.0	35.00	118,790
Sanitary Sewerage Utilities					786,750

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G3030	Storm Drainage Utilities				
582	Drain manholes	EA	28.0	6,500.00	182,000
583	Catch basins	EA	99.0	5,000.00	495,000
584	Area drains	EA	8.0	1,000.00	8,000
579	Water quality structure	EA	24.0	20,000.00	480,000
609	Water quality inlet	EA	3.0	5,000.00	15,000
600	Outlet control structure	EA	4.0	10,000.00	40,000
601	HDPE pipe, 12"	LF	10,778.0	85.00	916,130
602	Excavation and backfill	LF	10,778.0	35.00	377,230
610	Underground detention system including chambers, bedding, piping, excavation, backfill, etc.	EA	1,378.0	2,000.00	2,756,000
611	Bioretention basin including piping, bedding, planting mix, excavation, etc.	SF	3,848.0	15.00	57,720
612	Swale	SF	41,900.0	5.00	209,500
681	Allowance for temporary retention basin including piping, etc.	LS	1.0	500,000.00	500,000
	Storm Drainage Utilities				6,036,580
G3090	Liquid and Gas Site Utilities Supplementary Components				
793	Allowance for miscellaneous site utilities not yet designed	LS	1.0	100,000.00	100,000
	Liquid and Gas Site Utilities Supplementary Components				100,000
	LIQUID AND GAS SITE UTILITIES				8,046,500
G40	ELECTRICAL SITE IMPROVEMENTS				
G4010	Site Electric Distribution Systems				
811	Secondary 3000 amp feeder to school electrical room	LF	260.0	969.00	251,940
184	Primary 3000 amp feeder #1 (8-4" conduits) utility supplied cable	LF	940.0	250.00	235,000
185	Primary 3000 amp feeder #2 (8-4" conduits) utility supplied cable	LF	931.0	250.00	232,750
186	Fire Pump feeder 200 amps (2-4" conduits)	LF	376.0	56.00	21,056
187	Secondary generator feeder (4-400 amp feeds)	LF	680.0	125.50	85,340
188	Secondary feeder to maintenance building 400 amp service)	LF	619.0	125.50	77,685
201	Field electrical service 75 kva transformer service EV Charging Stations	EA	2.0	42,040.00	84,080
204	Field service to concessions 250 amps	LF	592.0	65.00	38,480
205	Field service to athletic building 1200 amps	LF	94.0	125.50	11,797

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
208	Primary to padmount transformer for field buildings	LF	220.0	88.00	19,360
213	Spots field grounding	EA	1.0	25,700.00	25,700
706	Secondary service manholes	EA	11.0	2,450.00	26,950
708	Service pad mount transformer bases & grounding	EA	5.0	4,585.00	22,925
766	Utility pole modifications (not included)	EA	1.0		Excl.
898	Move transformer closer to building (approximately 25% closer)	LS	1.0	-60,000.00	-60,000
Site Electric Distribution Systems					1,073,063
G4050	Site Lighting				
214	Sports field lighting incl conduit & wire (pole lights)	EA	1.0	225,000.00	225,000
215	Sports field lighting control	EA	1.0	51,375.00	51,375
772	Site bench lighting	EA	1.0	8,550.00	8,550
773	Sports field lighting (musco)	EA	2.0	480,000.00	960,000
774	Electronic gate entrance	EA	1.0	12,200.00	12,200
775	Entry sign & message board school - not required	EA	1.0		Excl.
776	Entry sign & message board stadium - not required	EA	1.0		Excl.
896	Remove or create alternate for other athletic fields sports lighting	LS	1.0	-592,500.00	-592,500
Site Lighting					664,625
ELECTRICAL SITE IMPROVEMENTS					1,737,688
G50	SITE COMMUNICATIONS				
G5010	Site Communications				
189	Secondary communications feeder 8-4" conduits	LF	680.0	210.00	142,800
192	Communications to maintenance building (4-4" conduits)	LF	640.0	107.00	68,480
209	Secondary communications feeder 8-4" conduits for Athletic fields	LF	675.0	210.00	141,750
Site Communications					353,030
SITE COMMUNICATIONS					353,030
SITWORK					38,658,328

CSI MasterSpec Format
COST ESTIMATE - DESIGNER

SCHEMATIC DESIGN COST ESTIMATE – REVISION 4

01 JULY 2021

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

WAKEFIELD, MA



NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



PROJECT DETAILS

Basis of estimate

This estimate has been prepared at the request of DRA Architecture and is to provide a Schematic Design Cost Estimate of construction cost for the proposed Northeast Metropolitan Regional Technical High School located in Wakefield, Massachusetts.

The estimate is based upon measured quantities and built-up rates prepared from the Schematic Design submittal package dated May 19 2021, prepared by DRA Architecture and have been updated based on the Designers accepted value engineering ideas which includes narratives and sketches that have been issued to RLB on or before June 18, 2021.

Where information was insufficient, assumptions and allowances were made based wherever possible on discussions with the architect and engineers.

It is understood that the project will be procured using a CM/GC procurement arrangement where the CM/GC will be required to receive a minimum of three subcontract bids for each trade. It has been assumed that the CM/GC will only be allowed to self-perform work for the project under competitive bidding circumstances.

The estimate is based on the assumption that the CM/GC and all subcontractors will be required to pay prevailing wage rates.

Unit pricing is based on July 2021 costs. Construction cost escalation has been carried at 9.5% in the estimate and assumes a Q2 2022 construction start. A Design / Estimating contingency at 7.5% and a Construction Manager's Contingency at 2.5% has been included in the estimate.

Items specifically included

- . Please refer to Estimate Detail.

Items specifically excluded

- . Hazardous materials abatement, unless noted otherwise.
- . Rock excavation.
- . Costs associated with phasing the construction work, including out of hours work.
- . Furniture, Fittings and Equipment (FF&E).
- . Murals and works of art.
- . Mock-ups.
- . Work outside the site boundaries unless noted otherwise.
- . Special testing & inspections
- . Utility tap fees and charges
- . Permits & plan review fees
- . Owner's / Construction contingency.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



PROJECT DETAILS

- . Land and legal costs.
- . Architectural, Engineering and other professional fees.
- . Geotechnical, traffic and all other studies.
- . Items marked as "Excl." in the estimate.
- . Escalation beyond August 2023.

Documents

- . Please refer to Basis of Estimate.

DRAFT

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
A	Building			
A1	New School Building	380,570.00	356.08	135,512,607
A2	Locker/Athletic Support Building	6,060.00	392.39	2,377,869
A3	Maintenance Building	2,040.00	338.32	690,176
A4	Concessions/Restrooms	1,730.00	665.37	1,151,089
	Building	390,400.0	357.92	139,731,741
B	Sitework			38,658,328
	ESTIMATED NET COST	390,400	456.94	178,390,069

MARGINS & ADJUSTMENTS

Phasing / Temporary Works		Excl.
Design & Estimating Contingency	7.5 %	13,379,255
Escalation to Mid-Point of Construction (08/2023)	9.5 %	18,218,086
Sub-contractor Bonds	1.25 %	2,624,843
General Liability Insurance (per CM Pricing Exhibit 1)		2,410,793
Builder's Risk Insurance (per CM Pricing Exhibit 1)		365,272
Payment & Performance Bond (per CM Pricing Exhibit 1)		1,850,710
General Conditions (per CM Pricing Exhibit 1)		9,687,506
General Requirements (per CM Pricing Exhibit 1)		6,044,059
Allowance for Additional Requirements not included in CM Pricing Exhibit 1		1,000,000
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %	5,430,976
CM Fee (per CM Pricing Exhibit 1)	1.75 %	4,189,527
ESTIMATED TOTAL COST		243,591,096

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS SUMMARY

A Building

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
03	Concrete		21.86	8,320,116
04	Masonry		14.41	5,485,896
05	Metals		51.06	19,430,557
06	Wood, Plastics, and Composites		2.83	1,077,789
07	Thermal and Moisture Protection		42.41	16,140,495
08	Openings		29.19	11,108,920
09	Finishings		45.54	17,332,926
10	Specialties		5.09	1,936,454
11	Equipment		9.24	3,515,600
12	Furnishings		1.21	460,150
14	Conveying Equipment		1.30	495,000
21	Fire Suppression		5.93	2,257,048
22	Plumbing		17.65	6,718,112
23	Heating, Ventilating, and Air Conditioning		58.42	22,233,115
26	Electrical		34.02	12,947,945
27	Communications		7.60	2,893,395
28	Electronic Safety and Security		5.11	1,943,387
31	Earthwork		3.19	1,215,702
NEW SCHOOL BUILDING			356.08	135,512,607

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS SUMMARY

A Building

A2 Locker/Athletic Support Building

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
03	Concrete		67.43	408,610
04	Masonry		99.01	600,018
05	Metals		35.89	217,519
06	Wood, Plastics, and Composites		3.48	21,080
07	Thermal and Moisture Protection		14.16	85,782
08	Openings		40.92	247,971
09	Finishings		14.25	86,325
10	Specialties		5.27	31,923
14	Conveying Equipment		11.63	70,448
21	Fire Suppression		6.06	36,738
22	Plumbing		18.83	114,084
23	Heating, Ventilating, and Air Conditioning		40.33	244,425
26	Electrical		20.05	121,500
27	Communications		3.96	24,000
28	Electronic Safety and Security		5.46	33,060
31	Earthwork		5.67	34,386
LOCKER/ATHLETIC SUPPORT BUILDING			392.39	2,377,869

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS SUMMARY

A Building

A3 Maintenance Building

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
03	Concrete		52.42	106,939
04	Masonry		20.05	40,897
05	Metals		1.00	2,040
06	Wood, Plastics, and Composites		2.25	4,590
07	Thermal and Moisture Protection		7.99	16,299
08	Openings		60.76	123,950
09	Finishings		8.18	16,687
10	Specialties		3.29	6,707
13	Special Construction		75.07	153,150
21	Fire Suppression		6.30	12,852
22	Plumbing		21.93	44,747
23	Heating, Ventilating, and Air Conditioning		42.40	86,493
26	Electrical		20.25	41,310
27	Communications		4.00	8,160
28	Electronic Safety and Security		5.42	11,057
31	Earthwork		7.01	14,298
MAINTENANCE BUILDING			338.32	690,176

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS SUMMARY

A Building

A4 Concessions/Restrooms

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
03	Concrete		109.51	189,459
04	Masonry		103.90	179,744
05	Metals		39.50	68,343
06	Wood, Plastics, and Composites		2.37	4,095
07	Thermal and Moisture Protection		67.95	117,554
08	Openings		21.05	36,421
09	Finishings		40.72	70,452
10	Specialties		23.88	41,304
11	Equipment		14.45	25,000
14	Conveying Equipment		121.39	210,000
21	Fire Suppression		6.63	11,466
22	Plumbing		23.08	39,922
23	Heating, Ventilating, and Air Conditioning		44.60	77,166
26	Electrical		23.41	40,495
27	Communications		4.47	7,735
28	Electronic Safety and Security		5.96	10,319
31	Earthwork		12.49	21,614
CONCESSIONS/RESTROOMS			665.37	1,151,089

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS SUMMARY

B Sitework

Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
02	Existing Conditions			4,564,777
03	Concrete			77,160
04	Masonry			Excl.
26	Electrical			1,812,688
27	Communications			353,030
31	Earthwork			12,577,326
32	Exterior Improvements			11,062,487
33	Utilities			8,210,860
SITWORK				38,658,328

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS SUMMARY

B Sitework

Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		13,379,255
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		18,218,086
	Sub-contractor Bonds	1.25 %		2,624,843
	General Liability Insurance (per CM Pricing Exhibit 1)			2,410,793
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			365,272
	Payment & Performance Bond (per CM Pricing Exhibit 1)			1,850,710
	General Conditions (per CM Pricing Exhibit 1)			9,687,506
	General Requirements (per CM Pricing Exhibit 1)			6,044,059
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			1,000,000
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		5,430,976
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		4,189,527
ESTIMATED TOTAL COST			623.95	243,591,096

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
A	Building			
A1	New School Building	380,570.00	356.08	135,512,607
	Building	380,570.0	356.08	135,512,607
	ESTIMATED NET COST	380,570	356.08	135,512,607

MARGINS & ADJUSTMENTS

Phasing / Temporary Works				Excl.
Design & Estimating Contingency	7.5 %			10,163,445
Escalation to Mid-Point of Construction (08/2023)	9.5 %			13,839,225
Sub-contractor Bonds	1.25 %			1,993,942
General Liability Insurance (per CM Pricing Exhibit 1)				1,831,340
Builder's Risk Insurance (per CM Pricing Exhibit 1)				277,476
Payment & Performance Bond (per CM Pricing Exhibit 1)				1,405,878
General Conditions (per CM Pricing Exhibit 1)				7,359,037
General Requirements (per CM Pricing Exhibit 1)				4,591,322
Allowance for Additional Requirements not included in CM Pricing Exhibit 1				759,641
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %			4,125,598
CM Fee (per CM Pricing Exhibit 1)	1.75 %			3,182,540
ESTIMATED TOTAL COST		380,570	486.22	185,042,051

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
03	Concrete			
A1010	Standard Foundations		3.79	1,440,956
A2010	Walls for Subgrade Enclosures		4.14	1,576,905
A4010	Standard Slabs-on-Grade		4.01	1,524,586
A6010	Building Subdrainage		1.51	576,166
A6020	Off-Gassing Mitigation		0.68	260,179
B1010	Floor Construction		6.97	2,651,939
B1020	Roof Construction		0.76	289,385
	Concrete		21.86	8,320,116
04	Masonry			
B2010	Exterior Walls		4.71	1,792,468
C1010	Interior Partitions		9.70	3,693,428
	Masonry		14.41	5,485,896
05	Metals			
B1010	Floor Construction		29.33	11,163,075
B1020	Roof Construction		16.06	6,110,237
B1080	Stairs		2.59	985,450
B3020	Roof Appurtenances		0.71	269,700
C1090	Interior Specialties		2.37	902,095
	Metals		51.06	19,430,557
06	Wood, Plastics, and Composites			
B1010	Floor Construction		0.10	37,600
C1090	Interior Specialties		2.25	855,889
E2010	Fixed Furnishings		0.48	184,300
	Wood, Plastics, and Composites		2.83	1,077,789
07	Thermal and Moisture Protection			
A2010	Walls for Subgrade Enclosures		0.83	316,602
A4010	Standard Slabs-on-Grade		0.29	110,576
A4090	Slab-on-Grade Supplementary Components		0.21	80,872
B1010	Floor Construction		2.93	1,116,282
B1020	Roof Construction		1.50	568,995
B2010	Exterior Walls		21.32	8,112,933
B3010	Roofing		14.33	5,453,840

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
C1010	Interior Partitions		1.00	380,395
	Thermal and Moisture Protection		42.41	16,140,495
08	Openings			
B2010	Exterior Walls		16.44	6,255,050
B2050	Exterior Doors and Grilles		2.31	877,900
B2070	Exterior Louvers and Vents		0.21	79,800
B3020	Roof Appurtenances		0.02	9,000
B3060	Horizontal Openings		0.39	150,000
C1010	Interior Partitions		0.15	58,640
C1020	Interior Windows		6.55	2,493,230
C1030	Interior Doors		2.16	820,600
C1040	Interior Grilles and Gates		0.60	228,700
C1090	Interior Specialties		0.36	136,000
	Openings		29.19	11,108,920
09	Finishings			
B2010	Exterior Walls		2.96	1,126,345
C1010	Interior Partitions		10.58	4,025,551
C2010	Wall Finishes		9.37	3,567,810
C2030	Flooring		11.11	4,228,883
C2040	Stair Finishes		0.35	132,295
C2050	Ceiling Finishes		11.17	4,252,042
	Finishings		45.54	17,332,926
10	Specialties			
C1090	Interior Specialties		5.09	1,936,454
	Specialties		5.09	1,936,454
11	Equipment			
E1040	Institutional Equipment		0.59	225,000
E1070	Entertainment and Recreational Equipment		0.10	39,600
E1090	Other Equipment		8.54	3,251,000
	Equipment		9.24	3,515,600
12	Furnishings			
E2010	Fixed Furnishings		1.21	460,150
	Furnishings		1.21	460,150

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	%	GFAR USD/SF	Total Cost USD
14	Conveying Equipment			
D1010	Vertical Conveying Systems		1.30	495,000
	Conveying Equipment		1.30	495,000
21	Fire Suppression			
D4010	Fire Suppression		5.93	2,257,048
	Fire Suppression		5.93	2,257,048
22	Plumbing			
D2010	Domestic Water Distribution		7.18	2,732,830
D2020	Sanitary Drainage		4.17	1,585,431
D2030	Building Support Plumbing Systems		3.08	1,170,490
D2050	General Service Compressed-Air		1.08	411,168
D2060	Process Support Plumbing Systems		2.15	818,193
	Plumbing		17.65	6,718,112
23	Heating, Ventilating, and Air Conditioning			
D3020	Heat Systems		5.10	1,940,325
D3030	Cooling Systems		0.65	245,500
D3050	Facility HVAC Distribution Systems		48.87	18,597,589
D3070	Special Purpose HVAC Systems		3.81	1,449,701
	Heating, Ventilating, and Air Conditioning		58.42	22,233,115
26	Electrical			
D5020	Electrical Service and Distribution		9.43	3,588,851
D5030	General Purpose Electrical Power		7.50	2,852,963
D5040	Lighting		14.20	5,403,425
D5080	Miscellaneous Electrical Systems		2.90	1,102,706
	Electrical		34.02	12,947,945
27	Communications			
D6010	Data Communications		4.85	1,844,916
D6020	Voice Communications			Excl.
D6030	Audio-Video Communication		1.73	658,084
D6060	Distributed Communications and Monitoring		1.00	380,395
D7030	Electronic Surveillance		0.03	10,000
	Communications		7.60	2,893,395

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	%	GFAR USD/SF	Total Cost USD
28	Electronic Safety and Security			
D7010	Access Controls and Intrusion Detection		1.93	734,162
D7050	Detection and Alarm		3.10	1,179,225
D7090	Electronic Safety and Security Supplementary Components		0.08	30,000
	Electronic Safety and Security		5.11	1,943,387
31	Earthwork			
A4010	Standard Slabs-on-Grade		1.15	436,041
A9010	Substructure Excavation		2.05	779,661
	Earthwork		3.19	1,215,702
	NEW SCHOOL BUILDING		356.08	135,512,607

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		10,163,445
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		13,839,225
	Sub-contractor Bonds	1.25 %		1,993,942
	General Liability Insurance (per CM Pricing Exhibit 1)			1,831,340
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			277,476
	Payment & Performance Bond (per CM Pricing Exhibit 1)			1,405,878
	General Conditions (per CM Pricing Exhibit 1)			7,359,037
	General Requirements (per CM Pricing Exhibit 1)			4,591,322
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			759,641
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		4,125,598
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		3,182,540
ESTIMATED TOTAL COST			486.22	185,042,051

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
A1010	Standard Foundations				
515	Concrete to interior isolated footings, 4500 PSI - 10'x10'x2' (Academic wing)	CY	712.00	265.00	188,680
516	Concrete to exterior isolated footings, 4500 PSI - 10'x10'x2' (Academic wing)	CY	215.00	265.00	56,975
517	Concrete to interior isolated footings, 4500 PSI - 10'x10'x2' (Admin, Media Center, Cafe)	CY	134.00	265.00	35,510
518	Concrete to exterior isolated footings, 4500 PSI - 10'x10'x2' (Admin, Media Center, Cafe)	CY	289.00	265.00	76,585
519	Concrete to interior/ exterior isolated footings, 4500 PSI - 10'x10'x2' (Basement Shops and Auditorium)	CY	563.00	265.00	149,195
529	Concrete to strip footings - 1' thick, 4500 PSI	CY	159.63	265.00	42,302
586	Concrete to strip footings - 2' thick, 4500 PSI	CY	568.88	265.00	150,753
588	Concrete to mat footings - 2' thick, 4500 PSI	CY	8.20	265.00	2,173
521	Form isolated footing	SF	20,640.00	17.50	361,200
530	Form strip footings	SF	5,862.17	17.50	102,589
589	Form mat footings	SF	83.63	17.51	1,464
522	Bar reinforcement to isolated footing	Lb	121,818.45	1.40	170,546
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	72,764.59	1.40	101,870
590	Bar reinforcement to mat footings, allow 100 PCY	Lb	795.69	1.40	1,114
	Standard Foundations			3.79/SF	1,440,956
A2010	Walls for Subgrade Enclosures				
597	Concrete to basement retaining walls, 4500 PSI	CY	906.00	275.00	249,150
599	Concrete to buttressed walls, 4500 PSI	CY	61.00	275.00	16,775
598	Concrete to frost walls, 4500 PSI	CY	562.44	275.00	154,671
615	Concrete to elevator pit walls, 4500 PSI	CY	7.77	275.03	2,137
603	Form basement retaining walls	SF	20,460.00	21.50	439,890
604	Form buttressed walls	SF	3,255.00	21.50	69,983
605	Form frost walls	SF	18,932.52	17.50	331,320
616	Form elevator pit walls	SF	589.85	17.50	10,322
606	Bar reinforcement to basement retaining walls, allow 10 PSF	Lb	102,298.00	1.40	143,217
607	Bar reinforcement to buttressed walls, allow 10 PSF	Lb	16,275.00	1.40	22,785
608	Bar reinforcement to frost walls, allow 10 PSF	Lb	94,662.00	1.40	132,527

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
613	Bar reinforcement to elevator pit walls, allow 10 PSF	Lb	2,948.64	1.40	4,128
	Walls for Subgrade Enclosures			4.14/SF	1,576,905
A4010	Standard Slabs-on-Grade				
500	Concrete to slab on grade - adjust from 5" to 4" thick, 4000 PSI	CY	611.00	250.00	152,750
501	Concrete to slab on grade - 6" thick, 4000 PSI	CY	1,494.49	250.00	373,622
502	Form slab on grade	SF	3,905.89	15.50	60,542
503	WWF reinforcement	SF	130,089.51	1.20	156,107
698	Allowance for bar reinforcement	Lb	65,045.23	1.40	91,063
796	Allowance for thicken slab under CMU	LF	1,503.00	100.00	150,300
504	Float finish to slab on grade	SF	130,089.51	1.50	195,135
505	Control joints	SF	130,089.51	0.75	97,567
703	Winter conditions	LS	1.00		Excl.
707	Mechanical pads	Item			52,500
710	Engineering, layout, safety, cleaning, etc.	Item			195,000
	Standard Slabs-on-Grade			4.01/SF	1,524,586
A6010	Building Subdrainage				
619	Perimeter drain	LF	2,417.05	50.00	120,852
686	Under-slab drainage system	SF	130,089.51	3.50	455,314
	Building Subdrainage			1.51/SF	576,166
A6020	Off-Gassing Mitigation				
702	Allowance for radon mitigation	SF	130,089.51	2.00	260,179
	Off-Gassing Mitigation			0.68/SF	260,179
B1010	Floor Construction				
538	Light weight concrete topping, overall 5-1/4" thick, 4000 PSI	CY	4,224.15	400.00	1,689,660
539	WWF reinforcement to floor deck	SF	260,651.37	1.25	325,814
540	Float finish to concrete topping	SF	260,651.37	2.25	586,465
809	Allowance for miscellaneous equipment pads (above ground)	LS	1.00	50,000.00	50,000
	Floor Construction			6.97/SF	2,651,939
B1020	Roof Construction				
548	Light weight concrete topping, overall 5-1/4" thick, 4000 PSI	CY	470.00	400.00	188,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
549	WWF reinforcement to floor deck	SF	28,967.00	1.25	36,209
550	Float finish to concrete topping	SF	28,967.00	2.25	65,176
Roof Construction				0.76/SF	289,385
CONCRETE				21.86/SF	8,320,116
04	MASONRY				
B2010	Exterior Walls				
22	1-1/2" thick Granite veneer	SF	4,721.00	110.00	519,310
1	Travertine veneer	SF	2,431.00	80.00	194,480
29	4" Thick CMU Veneer	SF	10,692.54	35.00	374,238
72	8" Thick CMU back-up	SF	9,416.46	25.00	235,412
71	12" Thick CMU back-up	SF	13,258.00	30.00	397,740
861	Brick veneer ILO segmented storefront, including backing system	SF	1,064.00	67.00	71,288
Exterior Walls				4.71/SF	1,792,468
C1010	Interior Partitions				
267	CMU partition, 8" thick	SF	101,227.24	25.00	2,530,681
268	CMU partition, 12" thick	SF	33,959.01	30.00	1,018,770
486	CMU partition, 18" thick - assume 12"+6"	SF	6,244.00	55.00	343,420
806	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Masonry Trade)	SF	380,395.00	0.50	190,197
852	Reduce interior CMU walls by 10%	SF	14,143.00	-27.55	-389,640
Interior Partitions				9.70/SF	3,693,428
MASONRY				14.41/SF	5,485,896
05	METALS				
B1010	Floor Construction				
535	Galvanised composite metal floor deck - allow 2" deep	SF	260,651.37	5.50	1,433,583
537	Structural steel framing - allow 15 PSF (Typical floor, Mezz)	T	1,708.6378	4,700.00	8,030,598
570	Structural steel framing - allow 20 PSF (2F above shops, Auditorium balcony)	T	71.5400	4,700.00	336,238
571	Structural steel framing - allow 22 PSF (2F above Automotive shop)	T	282.4800	4,700.00	1,327,656
572	Moment connection	EA	50.00	700.00	35,000
542	Allowance for miscellaneous connections and framings	T	170.8677		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
720	Allowance for shear studs - assumed included with tonnage	EA	65,163.58		Incl.
722	Allowance for pour stops and bent plates - assumed included with tonnage	LF	11,645.26		Incl.
Floor Construction				29.33/SF	11,163,075
B1020	Roof Construction				
546	Galvanized corrugated roof deck - 3" deep, type N	SF	127,609.33	5.50	701,852
562	Acoustic galvanized corrugated roof deck - 3" deep, type NA (Gym)	SF	14,673.00	12.00	176,076
558	Galvanised composite metal floor deck - allow 2" deep (Vegetated roof, Media Center Patio)	SF	12,660.00	5.00	63,300
547	Structural steel framing - allow 13 PSF (Gym)	T	95.3800	4,700.00	448,286
564	Structural steel framing - allow 14 PSF	T	893.2605	4,700.00	4,198,324
563	Structural steel framing - allow 18 PSF (Vegetated roof, Media Center Patio)	T	113.9400	4,700.00	535,518
567	Moment connection	EA	50.00	700.00	35,000
551	Allowance for miscellaneous connections and framings	T	1,102.5704		Incl.
688	Allowance for structural framing to roof screen, 8 PSF	T	8.0800	6,100.00	49,288
721	Allowance for shear studs - assumed included with tonnage	EA	3,165.00		Incl.
846	Remove overhang along West side; metal roof deck	SF	2,364.00	-5.50	-13,002
847	Remove overhang along West side; structural framing	T	16.5500	-5,100.00	-84,405
Roof Construction				16.06/SF	6,110,237
B1080	Stairs				
747	Metal stairs with concrete filled pans and landing - 4'-6" wide	FT/R	17.00	1,850.00	31,450
661	Metal stairs with concrete filled pans and landing - 5'-0" wide	FT/R	54.00	2,000.00	108,000
662	Metal stairs with concrete filled pans and landing - 5'-6" wide	FT/R	108.00	2,500.00	270,000
663	Metal stairs with concrete filled pans and landing - 8'-0" wide	FT/R	48.00	3,500.00	168,000
665	Metal stairs with concrete filled pans and landing - 10'-0" wide	FT/R	48.00	4,000.00	192,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
664	Metal stairs with concrete filled pans and landing - 10'-6" wide	FT/R	48.00	4,500.00	216,000
	Stairs			2.59/SF	985,450
B3020	Roof Appurtenances				
181	7'-6" High RTU screen	LF	270.00	800.00	216,000
182	1'-6" High metal guardrail at Rotunda balcony	LF	192.00	100.00	19,200
183	7'-0" High metal guardrail / gate at rooftop playground	LF	115.00	300.00	34,500
	Roof Appurtenances			0.71/SF	269,700
C1090	Interior Specialties				
299	Metal guardrail to stairs	LF	871.00	300.00	261,300
759	Metal handrail to stairs	LF	614.00	150.00	92,100
802	Metal railing to auditorium	LF	168.00	250.00	42,000
300	Wire mesh guardrail	LF	421.00	300.00	126,300
293	Allowance for miscellaneous metals	SF	380,395.00	1.00	380,395
	Interior Specialties			2.37/SF	902,095
	METALS			51.06/SF	19,430,557
06	WOOD, PLASTICS, AND COMPOSITES				
B1010	Floor Construction				
748	Wood floor deck - 2 layers 3/4" FRT plywood subfloor on 2x10 floor joists (Mezz)	SF	752.00	50.00	37,600
	Floor Construction			0.10/SF	37,600
C1090	Interior Specialties				
294	Allowance for rough carpentry	SF	380,395.00	0.75	285,296
295	Allowance for wood blocking	SF	380,395.00	1.25	475,494
807	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	380,395.00	0.25	95,099
	Interior Specialties			2.25/SF	855,889
E2010	Fixed Furnishings				
322	Custom display cases	Item			50,000
729	Custom bench with solid surface bench top	LF	282.00	300.00	84,600
730	Custom reception desk	LF	57.00	600.00	34,200
731	Custom cafe counter with quartz countertop	LF	22.00	500.00	11,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
732	Custom study desk	LF	15.00	300.00	4,500
	Fixed Furnishings			0.48/SF	184,300
	WOOD, PLASTICS, AND COMPOSITES			2.83/SF	1,077,789
07	THERMAL AND MOISTURE PROTECTION				
A2010	Walls for Subgrade Enclosures				
614	Waterproofing to basement retaining walls and footings and elevator pit walls and footings	SF	15,845.48	12.00	190,146
617	Dampproofing to frost wall	SF	9,466.65	4.00	37,867
618	Rigid insulation - 2" thick	SF	25,311.37	3.50	88,589
	Walls for Subgrade Enclosures			0.83/SF	316,602
A4010	Standard Slabs-on-Grade				
506	Air and vapor barrier	SF	130,089.51	0.85	110,576
507	Rigid insulation - 2" thick	SF	130,089.51		Incl.
	Standard Slabs-on-Grade			0.29/SF	110,576
A4090	Slab-on-Grade Supplementary Components				
514	Extruded polystyrene insulation, perimeter only 2' wide - 2" thick	SF	20,218.00	4.00	80,872
	Slab-on-Grade Supplementary Components			0.21/SF	80,872
B1010	Floor Construction				
648	Expansion joint	LF	1,633.00	100.00	163,300
749	Geofoam rigid insulation (Auditorium stage) - 2'-5" high	SF	2,204.00	10.00	22,040
750	Geofoam rigid insulation (Auditorium slope flooring)	SF	2,871.00	6.50	18,662
543	Allowance for spray applied fireproofing (members only)	SF	260,651.37	3.50	912,280
	Floor Construction			2.93/SF	1,116,282
B1020	Roof Construction				
649	Expansion joint	LF	267.00	100.00	26,700
719	Allowance for spray applied fireproofing (members only)	SF	154,941.34	3.50	542,295
	Roof Construction			1.50/SF	568,995
B2010	Exterior Walls				
98	Insulated translucent wall panel system with glazed operable sashes	SF	3,908.00	125.00	488,500
30	Insulated metal panel	SF	31,346.91	65.00	2,037,549
23	Flat-lock metal tile	SF	4,179.78	55.00	229,888

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
28	Phenolic panel (mahogany)	SF	20,790.00	75.00	1,559,250
44	Corrugated insulated metal panel	SF	3,626.00	30.00	108,780
26	Exterior cladding to rotunda dome base, allow metal panel	SF	282.00	55.00	15,510
160	Extend roof membrane to perimeter wall	SF	1,409.00	8.00	11,272
162	Cladding to Rotunda base, assumes wood panel	SF	697.00	85.00	59,245
128	Cladding to entrance columns	SF	193.00	125.00	24,125
165	Building trim at South elevation, assumes metal panel with wood appearance	LF	500.00	200.00	100,000
25	ACM Panel system at cornice	SF	27,581.00	55.00	1,516,955
27	Metal wall panel; ACM rainscreen system to crown ribs, including back-up	SF	4,198.00	85.00	356,830
136	Metal wall panel; ACM rainscreen system to exterior window sill at West elevation, including back-up	SF	3,224.00	85.00	274,040
150	Metal wall panel; ACM rainscreen system to exterior window mullion at West elevation	SF	434.00	85.00	36,890
154	ACM Panel system at horizontal entrance soffit / window bay soffit	SF	4,205.00	95.00	399,475
89	3" Thick rigid insulation	SF	17,816.77	5.00	89,084
90	3" Thick batt insulation	SF	43,293.69	4.00	173,175
91	4" Thick mineral fiber insulation	SF	20,790.00	4.00	83,160
95	Fluid applied air-vapor barrier	SF	50,553.65	8.00	404,429
190	Allowance for miscellaneous sealing and caulking	SF	139,110.00	1.50	208,665
842	Insulated metal panel ILO of curtain wall system (refer to sketches A2 Exterior Elevation)	SF	818.00	107.00	87,526
844	Remove overhang along West side; ACM cornice panels	SF	2,753.00	-55.00	-151,415
Exterior Walls				21.32/SF	8,112,933
B3010 Roofing					
164	PVC Membrane roofing; single ply membrane over cover board on 6 1/2" min. roof insulation	SF	74,813.00	25.00	1,870,325
156	PVC Membrane roofing; single ply membrane over cover board on 6 1/2" min. tapered roof insulation	SF	59,100.00	25.00	1,477,500
163	PVC Membrane roofing; single ply membrane over cover board on 1 1/2" min. tapered roof insulation	SF	19,266.00	25.00	481,650
169	Tapered insulation cricket (premium over PVC roofing)	SF	18,177.00	7.00	127,239
43	Exterior linear metal ceiling with wood appearance at horizontal entrance soffit	SF	925.00	125.00	115,625

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
158	Metal coping on top of exterior wall (building signage wall)	SF	271.00	50.00	13,550
159	Metal coping on top of exterior wall (Rotunda balcony wall)	SF	765.00	50.00	38,250
174	Metal coping on top of exterior wall (rooftop playground perimeter wall)	SF	175.00	50.00	8,750
348	Semi-intensive green roof	SF	6,059.00	40.00	242,360
352	Intensive green roof	SF	1,482.00	60.00	88,920
349	Extensive green roof	SF	8,767.00	60.00	526,020
350	Flagstone	EA	20.00	1,500.00	30,000
351	Stabilized stonedust paving	SF	1,666.00	2.00	3,332
354	Rooftop pavers over adjustable pedestals at rotunda balcony (premium over EPDM roofing)	SF	1,198.00	50.00	59,900
353	Pedestal roof deck concrete pavers, type C	SF	4,418.00	45.00	198,810
355	Pedestal roof deck concrete pavers, type D	SF	450.00	45.00	20,250
358	Rooftop playground - poured in place rubber safety surfacing	SF	3,612.00	25.00	90,300
359	Rooftop playground - synthetic turf mound	SF	211.00	25.00	5,275
191	Allowance for miscellaneous trims and flashings	SF	153,178.00	0.75	114,884
845	Remove overhang along West side; PVC roofing	SF	2,364.00	-25.00	-59,100
Roofing				14.33/SF	5,453,840
C1010	Interior Partitions				
488	Allowance for miscellaneous sealing and caulking	SF	380,395.00	0.75	285,296
489	Allowance for miscellaneous fire stopping	SF	380,395.00	0.25	95,099
Interior Partitions				1.00/SF	380,395
THERMAL AND MOISTURE PROTECTION				42.41/SF	16,140,495
08	OPENINGS				
B2010	Exterior Walls				
48	Aluminum curtain wall system, with insulating glass	SF	34,024.00	125.00	4,253,000
49	Aluminum storefront system, with insulating glass	SF	20,275.00	110.00	2,230,250
843	Curtain wall system replaced by insulated panels	SF	818.00	-125.00	-102,250
858	Remove segmented curtainwalls	SF	3,074.00	-110.00	-338,140
859	Straight curtainwalls ILO segmented	SF	2,993.00	110.00	329,230
860	Remove segmented first floor storefront system	SF	1,064.00	-110.00	-117,040
Exterior Walls				16.44/SF	6,255,050

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
B2050 Exterior Doors and Grilles					
100	14'-0" x 14'-0" Motor operated overhead door with insulating glass	EA	8.00	55,000.00	440,000
101	12'-0" x 14'-0" Motor operated overhead door with insulating glass	EA	4.00	45,000.00	180,000
122	8'-0" x 14'-0" Insulated overhead coiling door	EA	1.00	10,000.00	10,000
125	2 @ 3'-0" x 7'-0" Double leaf aluminum door, including frame, finish, and hardware	Pair	1.00	7,500.00	7,500
97	2 @ 3'-0" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	14.00	7,500.00	105,000
126	2 @ 3'-0" x 8'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	6.00	8,300.00	49,800
130	2 @ 3'-6" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	4.00	8,400.00	33,600
135	2 @ 3'-0" x 7'-0" Double leaf hollow metal door, including frame, finish, and hardware	Pair	3.00	2,500.00	7,500
152	2 @ 3'-10" x 7'-0" Double leaf hollow metal door, including frame, finish, and hardware	Pair	1.00	3,000.00	3,000
120	3'-0" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware	EA	9.00	3,700.00	33,300
133	3'-5" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware	EA	1.00	4,150.00	4,150
134	3'-0" x 7'-0" Single leaf hollow metal door, including frame, finish, and hardware	EA	3.00	1,350.00	4,050
Exterior Doors and Grilles				2.31/SF	877,900
B2070 Exterior Louvers and Vents					
99	Louver	SF	798.00	100.00	79,800
Exterior Louvers and Vents				0.21/SF	79,800
B3020 Roof Appurtenances					
168	Roof hatch	EA	3.00	3,000.00	9,000
Roof Appurtenances				0.02/SF	9,000
B3060 Horizontal Openings					
96	Glazed dome, prefabricated self-supporting insulating glass in aluminum framing	SF	750.00	200.00	150,000
Horizontal Openings				0.39/SF	150,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
C1010 Interior Partitions					
129	Wire mesh partition - 7'-7" high	LF	128.00	380.00	48,640
131	Premium for single leaf gate	EA	2.00	500.00	1,000
132	Premium for double leaf gate	Pair	9.00	1,000.00	9,000
Interior Partitions				0.15/SF	58,640
C1020 Interior Windows					
112	Fixed interior borrowed lights with safety glass	SF	7,478.00	80.00	598,240
153	Interior storefront	SF	6,166.00	90.00	554,940
166	Interior fixed window	SF	2,081.00	75.00	156,075
137	Interior security transaction window - 4'-0" x 6'-0"	EA	1.00	2,000.00	2,000
138	Interior acoustically rated sliding window - 8'-8" x 3'-8"	EA	1.00	5,000.00	5,000
155	Fire rated glazing system - 2 hour fire rated	SF	8,130.00	175.00	1,422,750
794	Premium for color art glass panels	SF	177.00	50.00	8,850
849	Reduce fire rated partition by 10%	SF	813.00	-175.00	-142,275
854	Remove door transom	SF	1,248.00	-75.00	-93,600
856	Reduce all sidelights to 18" wide	SF	250.00	-75.00	-18,750
Interior Windows				6.55/SF	2,493,230
C1030 Interior Doors					
102	Single leaf hollow metal doors, including frame, finish and hardware (Athletic and BOH area)	EA	40.00	1,350.00	54,000
103	Double leaf hollow metal doors, including frame, finish and hardware (Athletic and BOH area)	Pair	10.00	2,500.00	25,000
104	Single leaf hollow metal doors, including frame, finish and hardware (High Bay Shops)	EA	29.00	1,350.00	39,150
105	Double leaf hollow metal doors, including frame, finish and hardware (High Bay Shops)	Pair	7.00	2,500.00	17,500
106	Single leaf wooden doors, including frame, finish and hardware (Shops)	EA	78.00	1,250.00	97,500
107	Double leaf wooden doors, including frame, finish and hardware (Shops)	Pair	12.00	2,700.00	32,400
108	Single leaf hollow metal doors, including frame, finish and hardware (Kitchen)	EA	13.00	1,350.00	17,550
109	Double leaf hollow metal doors, including frame, finish and hardware (Kitchen)	Pair	2.00	2,500.00	5,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
110	Single leaf stainless steel doors, including frame, finish and hardware (Kitchen)	EA	4.00	2,000.00	8,000
115	Single leaf wooden doors, including frame, finish and hardware	EA	208.00	1,250.00	260,000
116	Double leaf wooden doors, including frame, finish and hardware	Pair	37.00	2,700.00	99,900
140	Single leaf acoustical wooden doors, including frame, finish and hardware (Auditorium)	EA	2.00	1,500.00	3,000
139	Double leaf acoustical wooden doors, including frame, finish and hardware (Auditorium)	Pair	12.00	3,250.00	39,000
117	Single leaf glass doors, including frame, finish and hardware	EA	3.00	3,700.00	11,100
118	Double leaf glass doors, including frame, finish and hardware	Pair	13.00	7,500.00	97,500
121	2@3'-0" x 9'-0" Double leaf wooden sliding barn doors, including frame, finish and hardware	Pair	4.00	3,500.00	14,000
Interior Doors				2.16/SF	820,600
C1040	Interior Grilles and Gates				
113	4'-6 3/8" x 3'-9 1/8" Stainless Steel rolling doors, including frame, finish and hardware (Dish return)	EA	1.00	3,500.00	3,500
114	8'-5" x 12'-0" Overhead rolling grills, including frame, finish and hardware (Serving)	EA	3.00	11,300.00	33,900
119	8'-0" x 8'-0" Overhead coiling doors, including frame, finish and hardware	EA	2.00	9,000.00	18,000
123	30'-10" x 12'-0" Fire rated folding doors, including frame, finish and hardware (2 hours fire rated)	EA	1.00	111,000.00	111,000
124	12'-3" x 9'-4" Fire rated folding doors, including frame, finish and hardware (2 hours fire rated)	EA	1.00	34,300.00	34,300
127	10'-0" x 9'-4" Fire rated folding doors, including frame, finish and hardware (2 hours fire rated)	EA	1.00	28,000.00	28,000
Interior Grilles and Gates				0.60/SF	228,700
C1090	Interior Specialties				
301	Glass guardrail	LF	272.00	500.00	136,000
Interior Specialties				0.36/SF	136,000
OPENINGS				29.19/SF	11,108,920

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
09	FINISHINGS				
B2010	Exterior Walls				
74	8" Metal stud back-up, sheathing, interior GWB lining	SF	48,703.91	20.00	974,078
73	6" Metal stud back-up, sheathing, interior GWB lining	SF	7,123.71	18.00	128,227
151	3 5/8" Metal stud back-up, sheathing	SF	2,404.00	10.00	24,040
	Exterior Walls			2.96/SF	1,126,345
C1010	Interior Partitions				
414	Gypsum board partition - 3-5/8" metal stud with 1 layer 5/8" GWB on both side with 3-1/2" acoustic batt insulation (Type G4.0)	SF	642.00	9.50	6,099
408	Gypsum board partition - 6" metal stud with 1 layer 5/8" GWB on both side with 5" acoustic batt insulation (Type G6.0)	SF	59,303.00	11.50	681,985
415	Gypsum board partition - 6" metal stud with 2 layer 5/8" GWB one side and 1 layer 5/8" GWB another side with 5" acoustic batt insulation (Type G6.0A)	SF	55,237.00	14.00	773,318
412	Gypsum board partition - 6" metal stud with 2 layer 5/8" GWB on both sides with 5" acoustic batt insulation (Type G6.0B)	SF	51,838.00	16.50	855,327
409	Gypsum board partition - 6" metal stud with 2 layer 5/8" GWB on both sides with 5" acoustic batt insulation, 2 hour fire rated (Type G6.2)	SF	8,525.00	20.00	170,500
487	Gypsum board partition - 6" double metal stud with 1 layer 5/8" GWB on both sides with 5" acoustic batt insulation	SF	4,870.00	15.50	75,485
464	Gypsum board partition - 2x4 wood stud with 1 layer 5/8" GWB on both sides	SF	2,508.00	8.00	20,064
459	Gypsum board furring - 7/8" metal stud with 1 layer 5/8" GWB (Type F1.0)	SF	4,463.00	4.00	17,852
410	Gypsum board furring - 3-5/8" metal stud with 1 layer 5/8" GWB (Type F4.0)	SF	12,571.32	5.00	62,857
432	Gypsum board furring - 3-5/8" metal stud with 2 layer 5/8" GWB (Type F4.0A)	SF	5,373.00	7.50	40,298
411	Gypsum board furring - 6" metal stud with 1 layer 5/8" GWB (Type F6.0)	SF	11,738.00	6.00	70,428
413	Gypsum board furring - 6" metal stud with 2 layer 5/8" GWB (F6.0A)	SF	375.00	8.50	3,188

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



SCHEMATIC DESIGN COST ESTIMATE - REVISION 4

LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
433	Shaft wall - 6" CH stud with 1" Gypsum liner panel on side and 2 layers 5/8" GWB another side with 5-1/2" acoustic batt insulation, 2 hour fire rated (Type S6.2)	SF	19,491.00	20.00	389,820
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	380,395.00	1.25	475,494
850	Interior walls ILO of fire rated glass	SF	813.00	50.00	40,650
853	GWB walls ILO of CMU	SF	14,143.00	22.50	318,218
855	GWB ILO of transom	SF	1,248.00	16.00	19,968
857	GWB ILO of sidelights	SF	250.00	16.00	4,000
Interior Partitions				10.58/SF	4,025,551
C2010	Wall Finishes				
141	Ceramic tile	SF	48,416.89	16.50	798,879
142	Thin porcelain tile	SF	23,957.00	18.00	431,226
143	P-lam panels	SF	20,000.00	55.00	1,100,000
144	Wood veneer panels	SF	1,669.00	50.00	83,450
145	Travertine tile	SF	2,192.00	30.00	65,760
146	Flat lock metal tiles	SF	6,223.00	80.00	497,840
147	Decorative fabric metal panels	SF	659.00	65.00	42,835
148	FRP panels	SF	5,611.00	18.00	100,998
781	Vinyl wall covering (Auditorium)	SF	1,187.00	40.00	47,480
782	Fabric wrap acoustical panel	SF	660.00	28.00	18,480
170	Prepare and apply epoxy paint	SF	155,615.10	3.00	466,845
171	Prepare and apply paint to CMU	SF	126,253.06	1.25	157,816
172	Prepare and apply paint to GWB	SF	144,271.00	1.25	180,339
173	Prepare and apply paint to precast concrete	SF	14,622.00	1.25	18,278
797	Allowance for window sills	LF	3,379.00		Excl.
841	Plastic laminate sills ILO solid wood sills	LF	3,379.00	50.00	168,950
870	AO1W1 - Thin Porcelain tile ILO Travertine (Cafeteria South wall)	LS	1.00	-19,347.00	-19,347
871	AO1W2 - Thin Porcelain tile ILO Phenolic panel (Cafeteria East & North wall)	LS	1.00	-25,773.00	-25,773
872	AO1W3 - Thin Porcelain tile ILO Travertine (Lobby North wall)	LS	1.00	-6,866.00	-6,866
873	AO1W4 - Thin Porcelain tile ILO Phenolic panel (Auditorium Lobby North, East & West walls)	LS	1.00	-77,710.00	-77,710

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
874	AO1W5 - Thin Porcelain tile ILO Flat lock tile (Elevator surround walls)	LS	1.00	-112,223.00	-112,223
875	AO1W6 - Wall paint ILO Phenolic panel (Auditorium vestibules)	LS	1.00	-92,345.00	-92,345
876	AO1W7 - Thin Porcelain tile ILO Phenolic panel (Restaurant corridor & Bank)	LS	1.00	-33,783.00	-33,783
877	AO1W8 - Wall paint ILO Phenolic panel (School store)	LS	1.00	-63,956.00	-63,956
878	AO1W9 - Reduce ceramic tile wainscot height from 6'-4 1/2" to 5'-0" (Corridors of all floors)	LS	1.00	-83,644.00	-83,644
879	AO1W10 - Reduce ceramic tile height from Full height to 5'-0" (Corridor corners of all floors)	LS	1.00	-7,018.00	-7,018
880	AO1W13 - Perforated metal round panel ILO Flat lock panel (Auditorium)	LS	1.00	-88,701.00	-88,701
Wall Finishes				9.37/SF	3,567,810
C2030	Flooring				
2	Athletic sport flooring	SF	2,954.00	16.00	47,264
3	Carpet	SY	2,173.00	50.00	108,650
4	Ceramic mosaic tile	SF	6,096.23	20.00	121,925
5	Sealed concrete	SF	76,623.43	1.50	114,935
6	Epoxy flooring and base	SF	13,031.54	12.00	156,378
7	Epoxy terrazzo and base	SF	28,895.92	35.00	1,011,357
8	Foot grille carpet - athletic cleat resistant	SF	825.00	70.00	57,750
9	Linoleum	SF	66,718.00	7.00	467,026
14	Rubber tile	SF	54,970.00	15.00	824,550
16	Rubber tile - athletic cleat resistant	SF	950.00	45.00	42,750
17	Sheet vinyl with integral base	SF	56,153.00	8.50	477,301
18	Sheet vinyl - slip resistant	SF	4,325.00	8.50	36,763
19	Walk off carpet	SY	213.00	65.00	13,845
20	Wood athletic flooring	SF	12,469.00	19.00	236,911
21	Wood sprung stage flooring	SF	2,221.00	25.00	55,525
10	Resilient base	LF	25,244.00	5.00	126,220
11	Ceramic tile base	LF	3,340.04	20.00	66,801
12	Vent rubber base	LF	487.00	7.00	3,409
13	Moisture mitigation - not required	SF	222,214.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
815	Allowance for high performance adhesive in-lieu-of moisture mitigation	SF	222,214.00	2.15	477,760
862	AO1F1 - Porcelain paver tile ILO Terrazzo floor (Cafeteria & Staff Lunch room)	LS	1.00	-73,049.00	-73,049
863	AO1F2 - Porcelain paver tile ILO Terrazzo floor (Main corridor b/t Lobby)	LS	1.00	-24,814.00	-24,814
864	AO1F3 - Porcelain paver tile ILO Terrazzo floor (Restaurant, Café and Restaurant corridor)	LS	1.00	-10,439.00	-10,439
865	AO1F4 - Linoleum ILO Terrazzo floor (School store)	LS	1.00	-11,012.00	-11,012
866	AO1F5 - Rubber stair landing ILO Terrazzo stair landing (Near Auditorium)	LS	1.00	-12,567.00	-12,567
867	AO1F6 - Rubber flooring ILO Terrazzo flooring (Corridor to Locker rooms)	LS	1.00	-28,096.00	-28,096
868	AO1F7 - Rubber flooring ILO Terrazzo flooring (Corridor to Early Childhood Ed.)	LS	1.00	-28,459.00	-28,459
869	AO1F8 - Forbo Flotex ILO Rubber tile (Collab at 2-4/F)	LS	1.00	-29,801.00	-29,801
Flooring				11.11/SF	4,228,883
C2040	Stair Finishes				
15	Rubber stair treads and risers	SF	8,819.69	15.00	132,295
Stair Finishes				0.35/SF	132,295
C2050	Ceiling Finishes				
31	Acoustic ceiling (ACT-1)	SF	180,639.76	7.00	1,264,478
32	Acoustic ceiling (ACT-2)	SF	8,027.00	7.00	56,189
33	Acoustic ceiling (ACT-3)	SF	12,764.00	7.00	89,348
34	Acoustic ceiling (ACT-4)	SF	4,478.00	10.00	44,780
46	Acoustic preformed ceiling panels	SF	2,654.00	50.00	132,700
35	Aluminum vertical blade ceiling system (non acoustic - per DRA)	SF	4,861.00	25.00	121,525
36	Aluminum composite material	SF	2,593.00	40.00	103,720
37	Gypsum board ceiling	SF	15,328.30	15.00	229,924
41	Gypsum board ceiling, moisture resistant	SF	12,851.41	11.00	141,365
149	Mesh metal ceiling	SF	1,904.00	40.00	76,160
47	Mesh metal ceiling with acrylic panel backing	SF	329.00	65.00	21,385
38	Linear metal ceiling with wood appearance	SF	14,300.00	45.00	643,500
39	Paint to gypsum board ceiling	SF	31,245.22	1.50	46,867

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
40	Paint to exposed ceiling	SF	91,360.27	1.50	137,040
42	Sound barrier ceiling - 2 layer 5/8" GWB over 7/8" metal furring and 1-1/2" cold rolled channels with 3-1/2" batt insulation	SF	65,163.00	20.00	1,303,260
75	Allowance for gypsum board soffit - allow 20% of GWB	SF	3,066.45	21.00	64,395
881	AO1C1 - ACT ceiling ILO Linear metal ceiling (20% of Cafeteria ceiling)	LS	1.00	-55,644.00	-55,644
882	AO1C2 - ACT ceiling ILO Linear metal ceiling (Staff lunch room)	LS	1.00	-21,511.00	-21,511
883	AO1C3 - Washable ACT ceiling ILO Linear metal ceiling (Serving)	LS	1.00	-37,469.00	-37,469
884	AO1C4 - ACT ceiling ILO EAVB ceiling (Cosmetology)	LS	1.00	-38,525.00	-38,525
885	AO1C5 - GWB ceiling ILO EAVB ceiling (Auditorium aisles)	LS	1.00	-5,021.00	-5,021
886	AO1C6 - ACT ceiling ILO GWB ceiling (3F Lobby ceiling)	LS	1.00	-27,212.00	-27,212
887	AO1C7 - Exposed ceiling paint ILO GWB ceiling (4F Lobby ceiling)	LS	1.00	-39,212.00	-39,212
Ceiling Finishes				11.17/SF	4,252,042
FINISHINGS				45.54/SF	17,332,926
10	SPECIALTIES				
C1090	Interior Specialties				
277	Restroom accessories - Toilet partition	EA	35.00	1,200.00	42,000
287	Restroom accessories - Toilet partition, ADA	EA	13.00	1,500.00	19,500
302	Restroom accessories - Urinal partition	EA	59.00	650.00	38,350
280	Restroom accessories - Tissue paper dispenser	EA	86.00	50.00	4,300
281	Restroom accessories - Grab bar	EA	173.00	100.00	17,300
305	Restroom accessories - Shower grab bar	Set	7.00	150.00	1,050
282	Restroom accessories - Napkin disposal	EA	54.00	150.00	8,100
283	Restroom accessories - Robe hook	EA	85.00	30.00	2,550
284	Restroom accessories - Soap dispenser	EA	84.00	50.00	4,200
285	Restroom accessories - Shower curtain and rod	EA	7.00	150.00	1,050
304	Restroom accessories - Shower seat	EA	7.00	500.00	3,500
291	Restroom accessories - Framed mirror	EA	85.00	800.00	68,000
292	Restroom accessories - Towel dispenser/waste receptacle	EA	55.00	700.00	38,500
303	Restroom accessories - Baby changing table	EA	2.00	500.00	1,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
754	Allowance for elevator pit ladder, cover, etc	EA	2.00	1,000.00	2,000
319	Allowance for markerboards - 4'x4'	EA	62.00	200.00	12,400
339	Allowance for markerboards - 6'x4'	EA	116.00	300.00	34,800
320	Allowance for tackboards - 4'x4'	EA	116.00	155.00	17,980
335	Allowance for tackboards - 8'x4'	EA	54.00	300.00	16,200
321	Allowance for visual display rails	Item			10,000
329	Metal lockers - 2 tier 15"x15" (Corridors)	EA	800.00	650.00	520,000
346	Metal lockers - 2 tier 15"x15" (Shops)	EA	418.00	650.00	271,700
330	Welded metal lockers - combination tier (Athletic Locker)	EA	169.00	800.00	135,200
347	Welded metal lockers - 1 tier (Team Locker)	EA	244.00	800.00	195,200
753	Allowance for janitor accessories	EA	9.00	500.00	4,500
327	Allowance for cubicle curtain at nurse's area	EA	2.00	1,500.00	3,000
328	Allowance for corner guards	Item			5,000
331	Allowance for closet and utility shelving	Item			5,000
332	Allowance for AED with cabinets	EA	12.00	2,000.00	24,000
296	Allowance for fire extinguisher and cabinets	EA	152.68	850.00	129,778
297	Allowance for interior signage	SF	380,395.00	0.75	285,296
298	Allowance for exterior signage	Item			15,000
Interior Specialties				5.09/SF	1,936,454
SPECIALTIES				5.09/SF	1,936,454
11	EQUIPMENT				
E1040	Institutional Equipment				
340	Theatrical seating (Auditorium), reduce seating count to 500	EA	750.00	300.00	225,000
341	Motorized projection screen - 20'x14' (Auditorium)	EA	1.00		Incl.
343	Motorized projection screen (Gymnasium)	EA	1.00		Incl.
342	Interactive wall mounted display (Education room)	EA	62.00		Incl.
344	Large format digital information display (Cafeteria Commons)	EA	4.00		Incl.
Institutional Equipment				0.59/SF	225,000
E1070	Entertainment and Recreational Equipment				
356	Roof deck lounge chair	EA	9.00	450.00	4,050
363	Rooftop playground equipment; 2-5 spinner	EA	1.00	4,700.00	4,700

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
365	Rooftop playground equipment; 2-5 main play structure	EA	1.00	24,000.00	24,000
364	Rooftop playground equipment; PIP rubber mound with composite wood arch bridge	EA	1.00	350.00	350
366	Rooftop playground equipment; PIP rubber mound with embankment slide	EA	1.00	6,500.00	6,500
Entertainment and Recreational Equipment				0.10/SF	39,600
E1090	Other Equipment				
345	Food service equipment, Casework and Fixed equipment	LS	1.00	5,514,000.00	5,514,000
888	Remove escalation included by Designer	LS	1.00	-136,250.00	-136,250
889	Target Value Design; reduced stage curtains and rigging	LS	1.00	-200,000.00	-200,000
890	Move Automotive Refinishing, Automotive Technology Lifts, HVAC & Plumbing Equipment, Dental, Carpentry, and Cosmetology to FF&E	LS	1.00	-1,926,750.00	-1,926,750
Other Equipment				8.54/SF	3,251,000
EQUIPMENT				9.24/SF	3,515,600
12	FURNISHINGS				
E2010	Fixed Furnishings				
323	Window roller shades, manual operated (Classrooms, Science Labs, Art rooms)	SF	32,000.00	10.00	320,000
803	Window roller shades, manual operated	EA	174.00	150.00	26,100
324	Window roller shades, electrically operated (Media Center)	SF	3,610.00	20.00	72,200
325	Vertical blinds, manual operated (Administration, Media Center)	SF	1,300.00	12.00	15,600
326	Tension shade system, electrically operated (Dome skylight)	SF	750.00	35.00	26,250
Fixed Furnishings				1.21/SF	460,150
FURNISHINGS				1.21/SF	460,150
14	CONVEYING EQUIPMENT				
D1010	Vertical Conveying Systems				
687	Passenger elevator, 5 stops	EA	1.00	275,000.00	275,000
751	Passenger elevator, 4 stops	EA	1.00	220,000.00	220,000
Vertical Conveying Systems				1.30/SF	495,000
CONVEYING EQUIPMENT				1.30/SF	495,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
21	FIRE SUPPRESSION				
D4010	Fire Suppression				
490	PRV control valve	EA	1.00	10,000.00	10,000
498	Floor control valve	EA	13.00	2,500.00	32,500
491	Tamper switch	EA	15.00	1,800.00	27,000
496	Fire department connection	EA	1.00	2,000.00	2,000
497	Main alarm check valve	EA	1.00	2,000.00	2,000
499	Fire pump, 1,000 GPM at 150 PSI boost/150 HP	EA	1.00	130,000.00	130,000
492	Fire protection piping, 8"	LF	19.00	200.00	3,800
493	Fire protection piping, 6"	LF	2,314.00	160.00	370,240
494	Fire protection piping, 4"	LF	4,293.00	115.00	493,695
495	Fire protection piping, 3"	LF	2,617.00	85.00	222,445
511	Allowance for additional main building sprinkler system	SF	380,395.00	2.25	855,889
787	Subcontractor GCs/GRs	Sum			107,479
	Fire Suppression			5.93/SF	2,257,048
	FIRE SUPPRESSION			5.93/SF	2,257,048
22	PLUMBING				
D2010	Domestic Water Distribution				
421	Plumbing Fixtures	Note			
423	Water closets	EA	86.00	1,600.00	137,600
424	Urinals	EA	30.00	1,150.00	34,500
425	Wall mounted lavatory	EA	67.00	1,325.00	88,775
426	Mop receptor	EA	6.00	1,900.00	11,400
427	Electric water cooler	EA	2.00	3,800.00	7,600
428	Single bowl stainless steel sink	EA	2.00	1,500.00	3,000
434	Hand sink	EA	14.00	900.00	12,600
435	Group/gang lavatory	EA	2.00	1,800.00	3,600
436	Showers	EA	7.00	1,800.00	12,600
437	Emergency shower/eye	EA	28.00	2,200.00	61,600
438	Culinary sinks - install only	EA	10.00	425.00	4,250
439	Main kitchen sinks - install only	EA	13.00	425.00	5,525
440	Dental sinks - install only	EA	16.00	425.00	6,800
441	Fabrication Lab sinks - install only	EA	1.00	425.00	425

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
442	Science Lab sinks - install only	EA	70.00	425.00	29,750
443	Medical and Health sinks - install only	EA	20.00	425.00	8,500
444	Allowance for additional main building fixtures not yet designed	SF	380,395.00	1.00	380,395
447	Water Distribution and Components	Note			
448	Gas fired water heater with dual mixing valves for 120 deg. F hot water system - (2) 800 MBH gas-fired water heaters with 300 gal storage, TMVs, pumps expansion tank etc.	EA	2.00	75,000.00	150,000
460	Gas fired water heater with dual mixing valves for 140 deg. F hot water system - assume separate system	EA	1.00	30,000.00	30,000
450	Water meter and backflow preventer - 6"	EA	1.00	10,000.00	10,000
451	Domestic water booster pump - allowance	EA	1.00	25,000.00	25,000
453	Chlorine/PH monitor system with 100 gal. tanks	EA	1.00	10,000.00	10,000
458	Chlorine/PH monitor system with 200 gal. tanks	EA	1.00	18,000.00	18,000
456	Electric water heater for Cosmetology, science and toilet rooms - allowance	EA	1.00	15,000.00	15,000
457	RPZ Backflow preventer for non-potable science classrooms	EA	6.00	2,000.00	12,000
463	Potable water piping, copper, 3"	LF	252.00	107.00	26,964
466	Potable water piping, copper, 2"	LF	53.00	50.00	2,650
465	Potable water piping, copper, 1"	LF	55.00	42.00	2,310
467	Non-potable water piping, copper, 4"	LF	544.00	150.00	81,600
468	Non-potable water piping, copper, 3"	LF	443.00	107.00	47,401
469	Non-potable water piping, copper, 2"	LF	453.00	50.00	22,650
470	Non-potable water piping, copper, 1"	LF	292.00	42.00	12,264
478	Tempered water piping, 2"	LF	116.00	50.00	5,800
650	Pipe insulation	LF	2,204.00	10.00	22,040
485	Wall hydrants	EA	5.00	750.00	3,750
471	Allowance for additional main building domestic water system including fixture rough in, hot & cold water piping, nonpotable piping, tempered piping etc.	SF	380,395.00	3.75	1,426,481
Domestic Water Distribution				7.18/SF	2,732,830

D2020 Sanitary Drainage

446	Gas/oil interceptor	EA	2.00	15,000.00	30,000
452	Exterior grease trap, 4,000 gal.	EA	2.00	25,000.00	50,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
454	Main Kitchen interior grease traps	EA	2.00	7,500.00	15,000
455	Culinary Arts interior grease traps	EA	2.00	7,500.00	15,000
482	Floor drains	EA	89.00	550.00	48,950
483	Allowance for additional main building sanitary system such piping, vents, ejectors, clean-out, acid waste etc.	SF	380,395.00	3.75	1,426,481
Sanitary Drainage				4.17/SF	1,585,431
D2030	Building Support Plumbing Systems				
180	Roof drain	EA	75.00	1,000.00	75,000
651	Allowance for rain water drainage system	SF	380,395.00	2.00	760,790
785	Testing, balancing and commissioning	SF	380,395.00	0.50	190,197
786	Subcontractor GCs/GRs	Sum			439,503
891	Stack science classrooms, limit program to one classroom	LS	1.00	-175,000.00	-175,000
892	Scuppers extending to daylight instead of separate secondary roof drainage piping system	LS	1.00	-120,000.00	-120,000
Building Support Plumbing Systems				3.08/SF	1,170,490
D2050	General Service Compressed-Air				
461	Compressed air piping, copper, 1 1/2"	LF	761.00	50.00	38,050
462	Compressed air piping, copper, 1"	LF	2,091.00	42.00	87,822
653	Allowance for compressed air systems	SF	380,395.00	0.75	285,296
General Service Compressed-Air				1.08/SF	411,168
D2060	Process Support Plumbing Systems				
473	Gas: Piping, 6"	LF	490.00	160.00	78,400
474	Gas: Piping, 4"	LF	421.00	115.00	48,415
475	Gas: Piping, 2"	LF	135.00	66.00	8,910
476	Allowance for additional main building gas system	SF	380,395.00	1.50	570,593
480	Vacuum: Piping, 1"	LF	173.00	42.00	7,266
481	Allowance for additional main building vacuum system	SF	418,435.00	0.25	104,609
Process Support Plumbing Systems				2.15/SF	818,193
PLUMBING				17.65/SF	6,718,112
23	HEATING, VENTILATING, AND AIR CONDITIONING				
D3020	Heat Systems				
76	Gas fired condensing boilers, 3,000 MBH	EA	3.00	90,000.00	270,000
242	Vertical inline boiler pump, 210 GPM	EA	3.00	7,500.00	22,500

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
77	Secondary hot water pumps, 270 GPM, 10 HP	EA	3.00	7,500.00	22,500
309	Hot water system primary/secondary loop hydraulic decoupler and air separator	EA	1.00	15,000.00	15,000
79	Glycol mixing station and 55 gallon drums	EA	4.00	6,000.00	24,000
80	Hot water expansion tanks	EA	7.00	3,500.00	24,500
197	Chilled water buffer tank	EA	1.00	8,000.00	8,000
194	Heating and ventilating unit, 17,400 CFM - HV-1	EA	1.00	174,000.00	174,000
195	Heating and ventilating unit, 14,800 CFM - HV-2	EA	1.00	148,000.00	148,000
196	Heating and ventilating unit, 14,800 CFM - HV-3	EA	1.00	148,000.00	148,000
193	Heating and ventilating unit, 28,800 CFM - HV-4	EA	1.00	288,000.00	288,000
81	Heating and ventilating unit, 11,700 CFM - HV-5	EA	1.00	117,000.00	117,000
82	Heating and ventilating unit, 12,100 CFM - HV-6	EA	1.00	121,000.00	121,000
83	Heating and ventilating unit, 19,000 CFM - HV-7	EA	1.00	190,000.00	190,000
84	Cabinet unit heaters	EA	13.00	3,000.00	39,000
85	Unit heaters	EA	8.00	2,600.00	20,800
250	Split heat pump system with piping and condensate pump, 2 tons	EA	1.00	12,000.00	12,000
308	Radiant floor heating - including pumps, manifold piping etc.	SF	1,800.00	15.00	27,000
311	Hydronic heat pumps, 300 GPM/10 HP	EA	3.00	75,000.00	225,000
78	Hydronic heat pump hot water system primary/secondary loop decoupler and air separator	EA	1.00	15,000.00	15,000
336	Hot water ceiling radiant panels	LF	129.00	225.00	29,025
Heat Systems				5.10/SF	1,940,325
D3030	Cooling Systems				
93	Split air conditioning system including piping, 2 tons	EA	11.00	10,000.00	110,000
198	VRF Fan coil units, 1.5 tons	EA	6.00	2,500.00	15,000
310	Hydronic heat pump chilled water system primary/secondary loop hydraulic decoupler and air separator	EA	1.00	15,000.00	15,000
316	Split air conditioning system, 3 tons	EA	4.00	15,000.00	60,000
317	Wall mounted evaporator with condensate pump	EA	13.00	3,500.00	45,500
Cooling Systems				0.65/SF	245,500

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D3050 Facility HVAC Distribution Systems					
50	Variable air volume dedicated outdoor unit, 16,500 CFM - HRU-1	EA	1.00	198,000.00	198,000
51	Variable air volume dedicated outdoor unit, 16,500 CFM - HRU-2	EA	1.00	198,000.00	198,000
52	Variable air volume dedicated outdoor unit, 16,500 CFM - HRU-3	EA	1.00	198,000.00	198,000
64	Variable air volume dedicated outdoor unit, 7,500 CFM - HRU-4	EA	1.00	90,000.00	90,000
53	VRF Heat pump condensing unit, 55 ton	EA	5.00	125,000.00	625,000
56	VRF Heat pump condensing unit, 40 ton	EA	3.00	90,000.00	270,000
68	VRF Heat pump condensing unit, 30 ton	EA	2.00	68,000.00	136,000
70	VRF Heat pump condensing unit, 22 ton	EA	1.00	50,000.00	50,000
55	VRF Heat pump condensing unit, 20 ton	EA	2.00	45,000.00	90,000
69	VRF Heat pump condensing unit, 15 ton	EA	1.00	34,000.00	34,000
57	Hydronic heat pump with integral pump system. 110 nominal ton	EA	3.00	290,000.00	870,000
66	Multi-zone mixed air variable rooftop unit, 9,500 CFM - HVAC-1	EA	1.00	142,500.00	142,500
58	Multi-zone mixed air variable rooftop unit, 7,000 CFM - HVAC-2	EA	1.00	105,000.00	105,000
59	Multi-zone mixed air variable rooftop unit, 7,200 CFM - HVAC-3	EA	1.00	108,000.00	108,000
60	Multi-zone mixed air variable rooftop unit, 8,400 CFM - HVAC-4	EA	1.00	126,000.00	126,000
61	Multi-zone mixed air variable rooftop unit, 13,000 CFM - HVAC-5	EA	1.00	195,000.00	195,000
202	Single zone mixed air variable volume air handling unit, 14,000 CFM - HVAC-6	EA	1.00	210,000.00	210,000
203	Single zone mixed air variable volume air handling unit, 4,800 CFM - HVAC-7	EA	1.00	72,000.00	72,000
337	Single zone mixed air variable volume air handling unit, 21,000 CFM - HVAC-8	EA	1.00	315,000.00	315,000
62	Variable volume energy recovery ventilator, 2,000 CFM - ERV-1	EA	1.00	30,000.00	30,000
63	Variable volume energy recovery ventilator, 1,000 CFM - ERV-2	EA	1.00	15,000.00	15,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
65	Variable volume energy recovery ventilator, 2,000 CFM - ERV-3	EA	1.00	30,000.00	30,000
67	Variable volume make-up air unit, 4,500 CFM - MAU-1	EA	1.00	67,500.00	67,500
86	Dust collector, 6,000 CFM	EA	1.00	16,000.00	16,000
88	Exhaust fan, 10,000 CFM	EA	3.00	8,000.00	24,000
276	Exhaust fan, 9,600 CFM	EA	1.00	7,650.00	7,650
307	Exhaust fan, 6,650 CFM	EA	1.00	5,500.00	5,500
87	Exhaust fan, 5,000 CFM	EA	2.00	4,000.00	8,000
275	Exhaust fan, 4,000 CFM	EA	1.00	3,250.00	3,250
243	Exhaust fan, 950 CFM	EA	2.00	800.00	1,600
244	Exhaust fan, 600 CFM	EA	2.00	750.00	1,500
274	Exhaust fan, 450 CFM	EA	4.00	750.00	3,000
334	Exhaust fan, 200 CFM	EA	1.00	500.00	500
92	Supply VAV terminal unit	EA	85.00	1,000.00	85,000
94	Exhaust VAV terminal unit	EA	91.00	850.00	77,350
306	Outside air VAV terminal unit	EA	18.00	1,000.00	18,000
175	Round ductwork	Lb	13,867.00	13.00	180,271
176	Rectangular ductwork	Lb	128,043.00	13.00	1,664,559
177	Allowance for additional ductwork not yet designed	Lb	271,590.00	13.00	3,530,670
805	Allowance for additional ductwork not yet designed (stainless steel, black iron, etc.)	Lb	24,000.00	20.00	480,000
178	Duct insulation	SF	91,781.00	5.50	504,796
179	Allowance for additional duct insulation	SF	221,693.21	5.50	1,219,313
245	Automotive exhaust system with 12 exhaust connection	EA	1.00	150,000.00	150,000
246	VRF Fan coil unit, 2 tons	EA	9.00	3,000.00	27,000
252	VRF Fan coil units, 2.5 tons	EA	8.00	3,750.00	30,000
254	VRF Fan coil units, 1.5 tons	EA	27.00	2,250.00	60,750
312	VRF Fan coil units, 1.0 tons	EA	4.00	2,000.00	8,000
313	Boiler and dedicated equipment exhaust & combustion intake vents	EA	23.00	20,000.00	460,000
314	Classroom fan coil unit	EA	80.00	2,500.00	200,000
315	Classroom VAV terminal unit	EA	80.00	1,000.00	80,000
318	Sensible fan powered terminal unit	EA	58.00	2,000.00	116,000
333	Dryer exhaust booster fan	EA	1.00	1,500.00	1,500

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
360	Hot water supply - 6"	LF	1,274.00	160.00	203,840
361	Hot water return - 6"	LF	1,244.00	160.00	199,040
375	Hot water supply, secondary - 6"	LF	183.00	160.00	29,280
376	Hot water return, secondary - 6"	LF	181.00	160.00	28,960
394	Hot water supply - 4"	LF	1,704.00	115.00	195,960
395	Hot water return - 4"	LF	1,742.00	115.00	200,330
685	Allowance for hot water distribution	SF	380,395.00	2.75	1,046,086
382	Chilled water supply - 6"	LF	142.00	160.00	22,720
383	Chilled water return - 6"	LF	140.00	160.00	22,400
384	Chilled water supply, secondary - 8"	LF	74.00	200.00	14,800
385	Chilled water return, secondary - 8"	LF	63.00	200.00	12,600
392	Chilled water supply - 5"	LF	2,097.00	135.00	283,095
393	Chilled water return - 5"	LF	2,059.00	135.00	277,965
779	Pipe insulation	LF	10,896.00	15.00	163,440
780	Allowance for chilled water distribution	SF	380,395.00	1.50	570,593
790	Allowance for refrigerant and condensate distribution	SF	380,395.00	3.00	1,141,185
792	Allowance for supplementary equipment not yet designed	SF	380,395.00	1.25	475,494
403	Allowance for instrumentation and controls	SF	380,395.00	7.00	2,662,765
851	Allowance for revising air source hydronic heat pumps to VRF system	SF	380,395.00	-5.50	-2,092,173
Facility HVAC Distribution Systems				48.87/SF	18,597,589
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	380,395.00	0.50	190,197
784	Subcontractor GCs/GRs	Sum			1,454,504
893	Reduce number of fumes hoods required from 10 to 5 or 6. This could be in conjunction with the plumbing VM item to reduce acid waste/neutralization	LS	1.00	-195,000.00	-195,000
Special Purpose HVAC Systems				3.81/SF	1,449,701
HEATING, VENTILATING, AND AIR CONDITIONING				58.42/SF	22,233,115
26	ELECTRICAL				
D5020	Electrical Service and Distribution				
621	Distribution	SF	380,395.00	9.75	3,708,851
899	Reduce standby power capacity by 50%	LS	1.00	-120,000.00	-120,000
Electrical Service and Distribution				9.43/SF	3,588,851

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D5030	General Purpose Electrical Power				
627	Power & Mechanical	SF	380,395.00	7.50	2,852,963
	General Purpose Electrical Power			7.50/SF	2,852,963
D5040	Lighting				
633	Lighting	SF	380,395.00	15.00	5,705,925
764	School stage lighting	EA	1.00	110,000.00	110,000
765	School theatrical lighting & controls	EA	1.00	250,000.00	250,000
894	Target Value Design - Reduce lighting by \$1/SF	LS	1.00	-380,000.00	-380,000
897	Target Value Design - Theater Lighting / Sound equipment, reduced by 25%	LS	1.00	-62,500.00	-62,500
900	Prepare building courtyard for catenary lighting; lighting installed later	LS	1.00	-220,000.00	-220,000
	Lighting			14.20/SF	5,403,425
D5080	Miscellaneous Electrical Systems				
647	Other (commissioning and Lightning protection)	SF	380,395.00	2.45	931,968
763	P.V System 249 kw (rough in conduit for future)	EA	1.00	12,600.00	12,600
767	Seismic restraints electrical	SF	380,395.00	0.35	133,138
768	Interior electronic scoreboard & shot clock	EA	1.00	25,000.00	25,000
777	Owner independent testing agency	EA	1.00		Excl.
	Miscellaneous Electrical Systems			2.90/SF	1,102,706
	ELECTRICAL			34.02/SF	12,947,945
27	COMMUNICATIONS				
D6010	Data Communications				
639	Data (rough in & equipment cabling)	SF	380,395.00	4.85	1,844,916
	Data Communications			4.85/SF	1,844,916
D6020	Voice Communications				
640	TV & Video (rough in & equipment) - move to FF&E	SF	380,395.00		Excl.
	Voice Communications				Excl.
D6030	Audio-Video Communication				
641	Audio Visual Systems (rough in & equipment)	SF	380,395.00	1.30	494,514
642	Speech Reinforcement Systems (rough in & equipment)	SF	380,395.00	0.43	163,570
643	Inst. AV System (rough in & equipment) - move to FF&E	SF	380,395.00		Excl.
	Audio-Video Communication			1.73/SF	658,084

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D6060	Distributed Communications and Monitoring				
644	PA, Clock (rough in & equipment)	SF	380,395.00	1.00	380,395
	Distributed Communications and Monitoring			1.00/SF	380,395
D7030	Electronic Surveillance				
760	Vape detection system (new and existing)	EA	1.00	10,000.00	10,000
	Electronic Surveillance			0.03/SF	10,000
	COMMUNICATIONS			7.60/SF	2,893,395
28	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
645	Security CCTV, Intrusion & Access Control	SF	380,395.00	2.18	829,261
895	Remove durruss system	LS	1.00	-95,099.00	-95,099
	Access Controls and Intrusion Detection			1.93/SF	734,162
D7050	Detection and Alarm				
646	Fire Alarm	SF	380,395.00	3.10	1,179,225
	Detection and Alarm			3.10/SF	1,179,225
D7090	Electronic Safety and Security Supplementary Components				
761	Visitor management system (new and existing)	EA	1.00	5,000.00	5,000
810	Gun/gunshot detection system	EA	1.00	25,000.00	25,000
	Electronic Safety and Security Supplementary Components			0.08/SF	30,000
	ELECTRONIC SAFETY AND SECURITY			5.11/SF	1,943,387
31	EARTHWORK				
A4010	Standard Slabs-on-Grade				
508	Excavation for slab on grade (included in Site preparation)	CY	7,877.87		Incl.
509	Remove and dispose of excavated material (included in Site preparation)	CY	7,877.87		Incl.
510	Prepare and compact sub-base	SF	130,089.51	1.50	195,135
513	Imported sand gravel fill - 12" thick	CY	4,818.13	50.00	240,906
	Standard Slabs-on-Grade			1.15/SF	436,041
A9010	Substructure Excavation				
591	Excavation for foundation footings (included in Site preparation)	CY	17,657.56		Incl.
593	Prepare and compact foundation sub-base	SF	37,879.41	1.50	56,820

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 380,570.00 SF Cost/SF: 356.08
Rates Current At July 2021

A1 New School Building (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
594	Imported sand gravel fill below foundations - 12" thick	CY	1,403.49	50.00	70,174
595	Basement mass excavation (included with Earthwork)	CY	40,736.00		Incl.
654	Excavation for elevator pit	CY	28.36		Incl.
620	Imported foundation backfill	CY	13,607.58	30.00	408,227
691	Imported backfill to basement excavation	CY	8,148.00	30.00	244,440
Substructure Excavation				2.05/SF	779,661
EARTHWORK				3.19/SF	1,215,702
NEW SCHOOL BUILDING				356.08/SF	135,512,607

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
A	Building			
A2	Locker/Athletic Support Building	6,060.00	392.39	2,377,869
	Building	6,060.0	392.39	2,377,869
	ESTIMATED NET COST	6,060	392.39	2,377,869

MARGINS & ADJUSTMENTS

Phasing / Temporary Works		Excl.
Design & Estimating Contingency	7.5 %	178,340
Escalation to Mid-Point of Construction (08/2023)	9.5 %	242,840
Sub-contractor Bonds	1.25 %	34,988
General Liability Insurance (per CM Pricing Exhibit 1)		32,135
Builder's Risk Insurance (per CM Pricing Exhibit 1)		4,869
Payment & Performance Bond (per CM Pricing Exhibit 1)		24,669
General Conditions (per CM Pricing Exhibit 1)		129,131
General Requirements (per CM Pricing Exhibit 1)		80,565
Allowance for Additional Requirements not included in CM Pricing Exhibit 1		13,330
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %	72,393
CM Fee (per CM Pricing Exhibit 1)	1.75 %	55,845
ESTIMATED TOTAL COST		6,060 535.80 3,246,974

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A2 Locker/Athletic Support Building

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
03	Concrete			
A1010	Standard Foundations		13.31	80,660
A2010	Walls for Subgrade Enclosures		37.38	226,543
A4010	Standard Slabs-on-Grade		5.28	32,018
A6010	Building Subdrainage		3.45	20,902
A6020	Off-Gassing Mitigation		0.90	5,463
B1010	Floor Construction		7.10	43,024
	Concrete		67.43	408,610
04	Masonry			
B2010	Exterior Walls		69.69	422,303
C1010	Interior Partitions		29.33	177,715
	Masonry		99.01	600,018
05	Metals			
B1010	Floor Construction		15.72	95,266
B1020	Roof Construction		19.37	117,395
B1080	Stairs		2.96	17,927
C1090	Interior Specialties		-2.16	-13,069
	Metals		35.89	217,519
06	Wood, Plastics, and Composites			
C1090	Interior Specialties		3.48	21,080
	Wood, Plastics, and Composites		3.48	21,080
07	Thermal and Moisture Protection			
A2010	Walls for Subgrade Enclosures		14.52	88,006
A4010	Standard Slabs-on-Grade		0.60	3,625
B1010	Floor Construction		2.49	15,084
B1020	Roof Construction		2.84	17,232
B2010	Exterior Walls		-20.83	-126,258
B3010	Roofing		12.99	78,724
C1010	Interior Partitions		1.55	9,369
	Thermal and Moisture Protection		14.16	85,782
08	Openings			
B2010	Exterior Walls		24.96	151,279
B2050	Exterior Doors and Grilles		14.06	85,227

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
C1030	Interior Doors		1.89	11,465
	Openings		40.92	247,971
09	Finishings			
B2010	Exterior Walls		2.03	12,299
C1010	Interior Partitions		-9.86	-59,779
C2010	Wall Finishes		7.57	45,854
C2030	Flooring		8.47	51,308
C2040	Stair Finishes		0.65	3,916
C2050	Ceiling Finishes		5.40	32,727
	Finishings		14.25	86,325
10	Specialties			
C1090	Interior Specialties		5.27	31,923
	Specialties		5.27	31,923
14	Conveying Equipment			
D1010	Vertical Conveying Systems		11.63	70,448
	Conveying Equipment		11.63	70,448
21	Fire Suppression			
D4010	Fire Suppression		6.06	36,738
	Fire Suppression		6.06	36,738
22	Plumbing			
D2010	Domestic Water Distribution		9.90	60,000
D2020	Sanitary Drainage		5.94	36,000
D2030	Building Support Plumbing Systems		2.98	18,084
	Plumbing		18.83	114,084
23	Heating, Ventilating, and Air Conditioning			
D3050	Facility HVAC Distribution Systems		38.74	234,767
D3070	Special Purpose HVAC Systems		1.59	9,658
	Heating, Ventilating, and Air Conditioning		40.33	244,425
26	Electrical			
D5010	Facility Power Generation		3.96	24,000
D5020	Electrical Service and Distribution		14.36	87,000
D5080	Miscellaneous Electrical Systems		1.73	10,500
	Electrical		20.05	121,500

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
27	Communications			
D6010	Data Communications		3.96	24,000
	Communications		3.96	24,000
28	Electronic Safety and Security			
D7010	Access Controls and Intrusion Detection		2.24	13,560
D7050	Detection and Alarm		3.22	19,500
	Electronic Safety and Security		5.46	33,060
31	Earthwork			
A4010	Standard Slabs-on-Grade		2.36	14,293
A9010	Substructure Excavation		3.32	20,093
	Earthwork		5.67	34,386
	LOCKER/ATHLETIC SUPPORT BUILDING		392.39	2,377,869

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		178,340
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		242,840
	Sub-contractor Bonds	1.25 %		34,988
	General Liability Insurance (per CM Pricing Exhibit 1)			32,135
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			4,869
	Payment & Performance Bond (per CM Pricing Exhibit 1)			24,669
	General Conditions (per CM Pricing Exhibit 1)			129,131
	General Requirements (per CM Pricing Exhibit 1)			80,565
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			13,330
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		72,393
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		55,845
ESTIMATED TOTAL COST			535.80	3,246,974

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
A1010	Standard Foundations				
586	Concrete to strip footings - 2' thick, 4500 PSI	CY	238.25	265.00	63,136
588	Concrete to mat footings - 2' thick, 4500 PSI	CY	12.92	265.02	3,424
530	Form strip footings	SF	1,285.70	17.50	22,500
589	Form mat footings	SF	104.31	17.50	1,825
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	23,808.33	1.40	33,332
590	Bar reinforcement to mat footings, allow 100 PCY	Lb	1,253.84	1.40	1,756
901	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-13.45	-45,313
	Standard Foundations			13.31/SF	80,660
A2010	Walls for Subgrade Enclosures				
598	Concrete to frost walls, 4500 PSI	CY	45.64	275.00	12,551
615	Concrete to elevator pit walls, 4500 PSI	CY	2.27	274.89	624
658	Concrete to retaining walls, 4500 PSI	CY	280.00	275.00	77,000
605	Form frost walls	SF	1,230.88	17.50	21,540
616	Form elevator pit walls	SF	171.75	17.50	3,006
659	Form retaining walls	SF	10,078.00	21.50	216,677
613	Bar reinforcement to elevator pit walls, allow 10 PSF	Lb	858.56	1.40	1,202
660	Bar reinforcement to retaining walls, allow 10 PSF	Lb	50,390.00	1.40	70,546
902	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-52.42	-176,603
	Walls for Subgrade Enclosures			37.38/SF	226,543
A4010	Standard Slabs-on-Grade				
501	Concrete to slab on grade - 6" thick, 4000 PSI	CY	79.00	250.00	19,750
502	Form slab on grade	SF	170.09	15.50	2,636
503	WWF reinforcement	SF	4,264.32	1.20	5,117
698	Allowance for bar reinforcement	Lb	2,132.17	1.40	2,985
504	Float finish to slab on grade	SF	4,264.32	1.50	6,396
505	Control joints	SF	4,264.32	0.75	3,198
703	Winter conditions	LS	1.00		Excl.
707	Mechanical pads	Item			15,000
710	Engineering, layout, safety, cleaning, etc.	Item			5,000
903	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-8.33	-28,064
	Standard Slabs-on-Grade			5.28/SF	32,018

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
A6010	Building Subdrainage				
619	Perimeter drain	LF	354.69	50.00	17,735
686	Under-slab drainage system	SF	4,264.32	3.50	14,925
904	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-3.49	-11,758
	Building Subdrainage			3.45/SF	20,902
A6020	Off-Gassing Mitigation				
702	Allowance for radon mitigation	SF	4,264.32	2.00	8,529
905	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-0.91	-3,066
	Off-Gassing Mitigation			0.90/SF	5,463
B1010	Floor Construction				
538	Light weight concrete topping, overall 5-1/4" thick, 4000 PSI	CY	69.85	400.00	27,940
539	WWF reinforcement to floor deck	SF	4,309.63	1.25	5,387
540	Float finish to concrete topping	SF	4,309.63	2.25	9,697
	Floor Construction			7.10/SF	43,024
	CONCRETE			67.43/SF	408,610
04	MASONRY				
B2010	Exterior Walls				
29	4" Thick CMU Veneer	SF	7,038.36	35.00	246,343
72	8" Thick CMU back-up	SF	7,038.41	25.00	175,960
	Exterior Walls			69.69/SF	422,303
C1010	Interior Partitions				
267	CMU partition, 8" thick	SF	4,099.30	25.00	102,483
268	CMU partition, 12" thick	SF	2,351.56	30.00	70,547
806	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Masonry Trade)	SF	9,369.00	0.50	4,685
	Interior Partitions			29.33/SF	177,715
	MASONRY			99.01/SF	600,018
05	METALS				
B1010	Floor Construction				
535	Galvanised composite metal floor deck - allow 2" deep	SF	4,309.63	5.50	23,703
537	Structural steel framing - allow 15 PSF (Typical floor, Mezz)	T	32.3222	4,699.99	151,914
542	Allowance for miscellaneous connections and framings	T	3.2323		Incl.
720	Allowance for shear studs - assumed included with tonnage	EA	1,077.42		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
722	Allowance for pour stops and bent plates - assumed included with tonnage	LF	322.74		Incl.
907	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-23.85	-80,351
Floor Construction				15.72/SF	95,266
B1020	Roof Construction				
546	Galvanized corrugated roof deck - 3" deep, type N	SF	4,923.29	5.50	27,078
564	Structural steel framing - allow 14 PSF	T	34.4629	4,700.01	161,976
551	Allowance for miscellaneous connections and framings	T	34.4630		Incl.
908	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-21.27	-71,659
Roof Construction				19.37/SF	117,395
B1080	Stairs				
661	Metal stairs with concrete filled pans and landing - 5'-0" wide	FT/R	14.00	2,000.00	28,000
909	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-2.99	-10,073
Stairs				2.96/SF	17,927
C1090	Interior Specialties				
293	Allowance for miscellaneous metals	SF	9,369.00	1.00	9,369
915	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-6.66	-22,438
Interior Specialties				-2.16/SF	-13,069
METALS				35.89/SF	217,519
06	WOOD, PLASTICS, AND COMPOSITES				
C1090	Interior Specialties				
294	Allowance for rough carpentry	SF	9,369.00	0.75	7,027
295	Allowance for wood blocking	SF	9,369.00	1.25	11,711
807	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	9,369.00	0.25	2,342
Interior Specialties				3.48/SF	21,080
WOOD, PLASTICS, AND COMPOSITES				3.48/SF	21,080
07	THERMAL AND MOISTURE PROTECTION				
A2010	Walls for Subgrade Enclosures				
614	Waterproofing to basement retaining walls and footings and elevator pit walls and footings	SF	5,379.99	12.00	64,560
617	Dampproofing to frost wall	SF	615.47	4.00	2,462

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
618	Rigid insulation - 2" thick	SF	5,995.31	3.50	20,984
	Walls for Subgrade Enclosures			14.52/SF	88,006
A4010	Standard Slabs-on-Grade				
506	Air and vapor barrier	SF	4,264.32	0.85	3,625
507	Rigid insulation - 2" thick	SF	4,264.32		Incl.
	Standard Slabs-on-Grade			0.60/SF	3,625
B1010	Floor Construction				
543	Allowance for spray applied fireproofing (members only)	SF	4,309.63	3.50	15,084
	Floor Construction			2.49/SF	15,084
B1020	Roof Construction				
719	Allowance for spray applied fireproofing (members only)	SF	4,923.29	3.50	17,232
	Roof Construction			2.84/SF	17,232
B2010	Exterior Walls				
23	Flat-lock metal tile	SF	683.22	55.00	37,577
89	3" Thick rigid insulation	SF	7,038.21	5.00	35,191
90	3" Thick batt insulation	SF	683.22	4.00	2,733
95	Fluid applied air-vapor barrier	SF	7,038.28	8.00	56,306
207	Exterior wall assembly, including cladding to CMU back-up, sheathing, insulation	SF	7,379.00		Excl.
910	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-76.60	-258,065
	Exterior Walls			-20.83/SF	-126,258
B3010	Roofing				
199	Locker Building roof assembly, assumes PVC membrane roofing	SF	4,917.00	25.00	122,925
912	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-13.12	-44,201
	Roofing			12.99/SF	78,724
C1010	Interior Partitions				
488	Allowance for miscellaneous sealing and caulking	SF	9,369.00	0.75	7,027
489	Allowance for miscellaneous fire stopping	SF	9,369.00	0.25	2,342
	Interior Partitions			1.55/SF	9,369
	THERMAL AND MOISTURE PROTECTION			14.16/SF	85,782

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
08	OPENINGS				
B2010	Exterior Walls				
212	Glazed storefront system	SF	1,592.41	95.00	151,279
	Exterior Walls			24.96/SF	151,279
B2050	Exterior Doors and Grilles				
236	10'-0" x 10'-0" Motor operated overhead door with insulating panels	EA	4.00	30,000.00	120,000
216	Single leaf door to Locker building second floor corridor, assumes aluminum glazed, including frame, finish, and hardware	EA	2.00	3,700.00	7,400
235	Single leaf door to Locker building, assumes hollow metal, including frame, finish, and hardware	EA	2.00	1,350.00	2,700
798	Double leaf door to Locker building, assumes hollow metal, including frame, finish, and hardware	Pair	1.00	3,000.00	3,000
911	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-14.21	-47,873
	Exterior Doors and Grilles			14.06/SF	85,227
C1030	Interior Doors				
115	Single leaf wooden doors, including frame, finish and hardware	EA	10.00	1,250.00	12,500
116	Double leaf wooden doors, including frame, finish and hardware	Pair	2.00	2,700.00	5,400
914	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-1.91	-6,435
	Interior Doors			1.89/SF	11,465
	OPENINGS			40.92/SF	247,971
09	FINISHINGS				
B2010	Exterior Walls				
73	6" Metal stud back-up, sheathing, interior GWB lining	SF	683.29	18.00	12,299
	Exterior Walls			2.03/SF	12,299
C1010	Interior Partitions				
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	9,369.00	1.25	11,711
913	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-21.22	-71,490
	Interior Partitions			-9.86/SF	-59,779
C2010	Wall Finishes				
141	Ceramic tile	SF	2,263.82	16.50	37,353
170	Prepare and apply epoxy paint	SF	6,840.85	3.00	20,523

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
171	Prepare and apply paint to CMU	SF	11,000.81	1.25	13,751
916	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-7.65	-25,773
Wall Finishes				7.57/SF	45,854
C2030	Flooring				
4	Ceramic mosaic tile	SF	407.77	20.00	8,155
5	Sealed concrete	SF	3,661.31	1.50	5,492
6	Epoxy flooring and base	SF	2,353.22	12.00	28,239
7	Epoxy terrazzo and base	SF	975.08	35.00	34,128
11	Ceramic tile base	LF	204.96	20.00	4,099
917	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-8.55	-28,805
Flooring				8.47/SF	51,308
C2040	Stair Finishes				
15	Rubber stair treads and risers	SF	409.31	15.00	6,140
918	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-0.66	-2,224
Stair Finishes				0.65/SF	3,916
C2050	Ceiling Finishes				
31	Acoustic ceiling (ACT-1)	SF	1,468.84	7.00	10,282
37	Gypsum board ceiling	SF	127.70	15.00	1,916
41	Gypsum board ceiling, moisture resistant	SF	2,636.52	11.00	29,002
39	Paint to gypsum board ceiling	SF	2,789.73	1.50	4,185
40	Paint to exposed ceiling	SF	3,466.36	1.50	5,200
75	Allowance for gypsum board soffit - allow 20% of GWB	SF	25.55	21.02	537
919	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-5.46	-18,395
Ceiling Finishes				5.40/SF	32,727
FINISHINGS				14.25/SF	86,325
10	SPECIALTIES				
C1090	Interior Specialties				
287	Restroom accessories - Toilet partition, ADA	EA	2.00	1,500.00	3,000
280	Restroom accessories - Tissue paper dispenser	EA	5.00	50.00	250
281	Restroom accessories - Grab bar	EA	9.00	100.00	900
305	Restroom accessories - Shower grab bar	Set	4.00	150.00	600
282	Restroom accessories - Napkin disposal	EA	3.00	150.00	450
283	Restroom accessories - Robe hook	EA	5.00	30.00	150

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
284	Restroom accessories - Soap dispenser	EA	5.00	50.00	250
285	Restroom accessories - Shower curtain and rod	EA	4.00	150.00	600
304	Restroom accessories - Shower seat	EA	4.00	500.00	2,000
291	Restroom accessories - Framed mirror	EA	5.00	800.00	4,000
292	Restroom accessories - Towel dispenser/waste receptacle	EA	5.00	700.00	3,500
754	Allowance for elevator pit ladder, cover, etc	EA	1.00	1,000.00	1,000
296	Allowance for fire extinguisher and cabinets	EA	3.76	850.00	3,196
297	Allowance for interior signage	SF	9,369.00	0.75	7,027
298	Allowance for exterior signage	Item			5,000
Interior Specialties				5.27/SF	31,923
SPECIALTIES				5.27/SF	31,923
14	CONVEYING EQUIPMENT				
D1010	Vertical Conveying Systems				
752	Passenger elevator, 2 stops	EA	1.00	110,000.00	110,000
920	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-11.74	-39,552
Vertical Conveying Systems				11.63/SF	70,448
CONVEYING EQUIPMENT				11.63/SF	70,448
21	FIRE SUPPRESSION				
D4010	Fire Suppression				
512	Allowance for sprinkler system to support buildings	SF	9,369.00	6.00	56,214
787	Subcontractor GCs/GRs	Sum			1,749
926	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-6.30	-21,225
Fire Suppression				6.06/SF	36,738
FIRE SUPPRESSION				6.06/SF	36,738
22	PLUMBING				
D2010	Domestic Water Distribution				
421	Plumbing Fixtures	Note			
445	Allowance for support buildings fixtures	SF	9,369.00	3.00	28,107
447	Water Distribution and Components	Note			
472	Allowance for domestic water distribution system to support buildings	SF	9,369.00	7.00	65,583
921	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-10.00	-33,690
Domestic Water Distribution				9.90/SF	60,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D2020	Sanitary Drainage				
484	Allowance for support building sanitary system	SF	9,369.00	6.00	56,214
922	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-6.00	-20,214
	Sanitary Drainage			5.94/SF	36,000
D2030	Building Support Plumbing Systems				
652	Allowance for support building rain water drainage system	SF	9,369.00	2.00	18,738
785	Testing, balancing and commissioning	SF	9,369.00	0.50	4,685
786	Subcontractor GCs/GRs	Sum			7,463
923	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-3.80	-12,802
	Building Support Plumbing Systems			2.98/SF	18,084
	PLUMBING			18.83/SF	114,084
23	HEATING, VENTILATING, AND AIR CONDITIONING				
D3050	Facility HVAC Distribution Systems				
177	Allowance for additional ductwork not yet designed	Lb	9,369.00	13.00	121,797
179	Allowance for additional duct insulation	SF	7,026.77	5.50	38,647
788	Allowance for ERV units and supplementary equipment to support areas	SF	9,369.00	15.00	140,535
403	Allowance for instrumentation and controls	SF	9,369.00	7.00	65,583
924	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-39.12	-131,795
	Facility HVAC Distribution Systems			38.74/SF	234,767
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	9,369.00	0.50	4,685
784	Subcontractor GCs/GRs	Sum			15,990
925	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-3.27	-11,017
	Special Purpose HVAC Systems			1.59/SF	9,658
	HEATING, VENTILATING, AND AIR CONDITIONING			40.33/SF	244,425
26	ELECTRICAL				
D5010	Facility Power Generation				
223	Distribution Athletic building	SF	9,369.00	4.00	37,476
927	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-4.00	-13,476
	Facility Power Generation			3.96/SF	24,000
D5020	Electrical Service and Distribution				
224	Lighting,power & mechanical Athletic building	SF	9,369.00	14.50	135,851

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
928	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-14.50	-48,851
	Electrical Service and Distribution			14.36/SF	87,000
D5080	Miscellaneous Electrical Systems				
228	Misc. Athletic building	SF	9,369.00	1.75	16,396
929	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-1.75	-5,896
	Miscellaneous Electrical Systems			1.73/SF	10,500
	ELECTRICAL			20.05/SF	121,500
27	COMMUNICATIONS				
D6010	Data Communications				
225	Data Athletic building	SF	9,369.00	4.00	37,476
930	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-4.00	-13,476
	Data Communications			3.96/SF	24,000
	COMMUNICATIONS			3.96/SF	24,000
28	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
226	Security Athletic building	SF	9,369.00	2.26	21,174
931	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-2.26	-7,614
	Access Controls and Intrusion Detection			2.24/SF	13,560
D7050	Detection and Alarm				
227	Fire alarm Athletic building	SF	9,369.00	3.25	30,449
932	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-3.25	-10,949
	Detection and Alarm			3.22/SF	19,500
	ELECTRONIC SAFETY AND SECURITY			5.46/SF	33,060
31	EARTHWORK				
A4010	Standard Slabs-on-Grade				
508	Excavation for slab on grade (included in Site preparation)	CY	263.23		Incl.
509	Remove and dispose of excavated material (included in Site preparation)	CY	263.23		Incl.
510	Prepare and compact sub-base	SF	4,264.32	1.50	6,396
513	Imported sand gravel fill - 12" thick	CY	157.93	50.00	7,897
	Standard Slabs-on-Grade			2.36/SF	14,293
A9010	Substructure Excavation				
591	Excavation for foundation footings (included in Site preparation)	CY	1,043.84		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A2 Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 392.39
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
593	Prepare and compact foundation sub-base	SF	3,383.37	1.50	5,075
594	Imported sand gravel fill below foundations - 12" thick	CY	125.35	50.00	6,267
620	Imported foundation backfill	CY	667.89	30.00	20,037
906	Reduce Athletic/Locker building area, from 9,369 to 6,000 SF	SF	3,369.00	-3.35	-11,286
Substructure Excavation				3.32/SF	20,093
EARTHWORK				5.67/SF	34,386
LOCKER/ATHLETIC SUPPORT BUILDING				392.39/SF	2,377,869

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
A	Building			
A3	Maintenance Building	2,040.00	338.32	690,176
	Building	2,040.0	338.32	690,176
	ESTIMATED NET COST	2,040	338.32	690,176

MARGINS & ADJUSTMENTS

Phasing / Temporary Works		Excl.
Design & Estimating Contingency	7.5 %	51,763
Escalation to Mid-Point of Construction (08/2023)	9.5 %	70,484
Sub-contractor Bonds	1.25 %	10,155
General Liability Insurance (per CM Pricing Exhibit 1)		9,327
Builder's Risk Insurance (per CM Pricing Exhibit 1)		1,413
Payment & Performance Bond (per CM Pricing Exhibit 1)		7,160
General Conditions (per CM Pricing Exhibit 1)		37,480
General Requirements (per CM Pricing Exhibit 1)		23,384
Allowance for Additional Requirements not included in CM Pricing Exhibit 1		3,869
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %	21,012
CM Fee (per CM Pricing Exhibit 1)	1.75 %	16,209
ESTIMATED TOTAL COST		2,040 461.98 942,432

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A3 Maintenance Building

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
03	Concrete			
A1010	Standard Foundations		12.39	25,272
A2010	Walls for Subgrade Enclosures		19.83	40,454
A4010	Standard Slabs-on-Grade		10.74	21,918
A6010	Building Subdrainage		7.70	15,699
A6020	Off-Gassing Mitigation		1.76	3,596
	Concrete		52.42	106,939
04	Masonry			
B2010	Exterior Walls		16.41	33,480
C1010	Interior Partitions		3.64	7,417
	Masonry		20.05	40,897
05	Metals			
C1090	Interior Specialties		1.00	2,040
	Metals		1.00	2,040
06	Wood, Plastics, and Composites			
C1090	Interior Specialties		2.25	4,590
	Wood, Plastics, and Composites		2.25	4,590
07	Thermal and Moisture Protection			
A2010	Walls for Subgrade Enclosures		2.68	5,477
A4010	Standard Slabs-on-Grade		0.75	1,528
B2010	Exterior Walls		3.56	7,254
B3010	Roofing			Incl.
C1010	Interior Partitions		1.00	2,040
	Thermal and Moisture Protection		7.99	16,299
08	Openings			
B2050	Exterior Doors and Grilles		60.15	122,700
C1030	Interior Doors		0.61	1,250
	Openings		60.76	123,950
09	Finishings			
C1010	Interior Partitions		1.51	3,083
C2010	Wall Finishes		3.15	6,430
C2030	Flooring		1.74	3,546

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
C2050	Ceiling Finishes		1.78	3,628
	Finishings		8.18	16,687
10	Specialties			
C1090	Interior Specialties		3.29	6,707
	Specialties		3.29	6,707
13	Special Construction			
F1020	Special Structures		75.07	153,150
	Special Construction		75.07	153,150
21	Fire Suppression			
D4010	Fire Suppression		6.30	12,852
	Fire Suppression		6.30	12,852
22	Plumbing			
D2010	Domestic Water Distribution		10.00	20,400
D2020	Sanitary Drainage		6.00	12,240
D2030	Building Support Plumbing Systems		3.93	8,027
D2060	Process Support Plumbing Systems		2.00	4,080
	Plumbing		21.93	44,747
23	Heating, Ventilating, and Air Conditioning			
D3050	Facility HVAC Distribution Systems		39.12	79,815
D3070	Special Purpose HVAC Systems		3.27	6,678
	Heating, Ventilating, and Air Conditioning		42.40	86,493
26	Electrical			
D5010	Facility Power Generation		4.00	8,160
D5020	Electrical Service and Distribution		14.50	29,580
D5080	Miscellaneous Electrical Systems		1.75	3,570
	Electrical		20.25	41,310
27	Communications			
D6010	Data Communications		4.00	8,160
	Communications		4.00	8,160
28	Electronic Safety and Security			
D7010	Access Controls and Intrusion Detection		2.17	4,427
D7050	Detection and Alarm		3.25	6,630
	Electronic Safety and Security		5.42	11,057

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
31	Earthwork			
A4010	Standard Slabs-on-Grade		2.95	6,027
A9010	Substructure Excavation		4.05	8,271
	Earthwork		7.01	14,298
	MAINTENANCE BUILDING		338.32	690,176

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		51,763
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		70,484
	Sub-contractor Bonds	1.25 %		10,155
	General Liability Insurance (per CM Pricing Exhibit 1)			9,327
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			1,413
	Payment & Performance Bond (per CM Pricing Exhibit 1)			7,160
	General Conditions (per CM Pricing Exhibit 1)			37,480
	General Requirements (per CM Pricing Exhibit 1)			23,384
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			3,869
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		21,012
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		16,209
ESTIMATED TOTAL COST			461.98	942,432

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A3 Maintenance Building

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
A1010	Standard Foundations				
655	Concrete to exterior isolated footings, 4500 PSI - 5'x5'x2' (Maintenance Building)	CY	15.00	265.00	3,975
529	Concrete to strip footings - 1' thick, 4500 PSI	CY	20.37	265.00	5,398
521	Form isolated footing	SF	320.00	17.50	5,600
530	Form strip footings	SF	365.51	17.50	6,396
522	Bar reinforcement to isolated footing	Lb	757.01	1.40	1,060
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	2,030.50	1.40	2,843
	Standard Foundations			12.39/SF	25,272
A2010	Walls for Subgrade Enclosures				
598	Concrete to frost walls, 4500 PSI	CY	54.16	275.00	14,894
605	Form frost walls	SF	1,460.58	17.50	25,560
	Walls for Subgrade Enclosures			19.83/SF	40,454
A4010	Standard Slabs-on-Grade				
501	Concrete to slab on grade - 6" thick, 4000 PSI	CY	33.32	250.00	8,330
502	Form slab on grade	SF	88.72	15.50	1,375
503	WWF reinforcement	SF	1,798.00	1.20	2,158
698	Allowance for bar reinforcement	Lb	899.01	1.40	1,259
504	Float finish to slab on grade	SF	1,798.00	1.50	2,697
505	Control joints	SF	1,798.00	0.75	1,349
703	Winter conditions	LS	1.00		Excl.
707	Mechanical pads	Item			3,750
710	Engineering, layout, safety, cleaning, etc.	Item			1,000
	Standard Slabs-on-Grade			10.74/SF	21,918
A6010	Building Subdrainage				
619	Perimeter drain	LF	188.12	50.00	9,406
686	Under-slab drainage system	SF	1,798.00	3.50	6,293
	Building Subdrainage			7.70/SF	15,699
A6020	Off-Gassing Mitigation				
702	Allowance for radon mitigation	SF	1,798.00	2.00	3,596
	Off-Gassing Mitigation			1.76/SF	3,596
	CONCRETE			52.42/SF	106,939

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
04	MASONRY				
B2010	Exterior Walls				
29	4" Thick CMU Veneer	SF	558.00	35.00	19,530
72	8" Thick CMU back-up	SF	558.00	25.00	13,950
	Exterior Walls			16.41/SF	33,480
C1010	Interior Partitions				
267	CMU partition, 8" thick	SF	296.69	25.00	7,417
	Interior Partitions			3.64/SF	7,417
	MASONRY			20.05/SF	40,897
05	METALS				
C1090	Interior Specialties				
293	Allowance for miscellaneous metals	SF	2,040.00	1.00	2,040
	Interior Specialties			1.00/SF	2,040
	METALS			1.00/SF	2,040
06	WOOD, PLASTICS, AND COMPOSITES				
C1090	Interior Specialties				
294	Allowance for rough carpentry	SF	2,040.00	0.75	1,530
295	Allowance for wood blocking	SF	2,040.00	1.25	2,550
807	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	2,040.00	0.25	510
	Interior Specialties			2.25/SF	4,590
	WOOD, PLASTICS, AND COMPOSITES			2.25/SF	4,590
07	THERMAL AND MOISTURE PROTECTION				
A2010	Walls for Subgrade Enclosures				
617	Dampproofing to frost wall	SF	730.33	4.00	2,921
618	Rigid insulation - 2" thick	SF	730.29	3.50	2,556
	Walls for Subgrade Enclosures			2.68/SF	5,477
A4010	Standard Slabs-on-Grade				
506	Air and vapor barrier	SF	1,798.00	0.85	1,528
656	Rigid insulation - 1" thick	SF	1,798.00		Incl.
	Standard Slabs-on-Grade			0.75/SF	1,528
B2010	Exterior Walls				
89	3" Thick rigid insulation	SF	557.98	5.00	2,790

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
95	Fluid applied air-vapor barrier	SF	557.99	8.00	4,464
239	Exterior wall assembly, including cladding to CMU back-up, sheathing, insulation	SF	2,944.00		Excl.
	Exterior Walls			3.56/SF	7,254
B3010	Roofing				
206	Maintenance roof assembly (included with PEMB)	SF	2,073.00		Incl.
	Roofing				Incl.
C1010	Interior Partitions				
488	Allowance for miscellaneous sealing and caulking	SF	2,040.00	0.75	1,530
489	Allowance for miscellaneous fire stopping	SF	2,040.00	0.25	510
	Interior Partitions			1.00/SF	2,040
	THERMAL AND MOISTURE PROTECTION			7.99/SF	16,299
08	OPENINGS				
B2050	Exterior Doors and Grilles				
238	12'-0" x 12'-0" Motor operated overhead door with insulating glass	EA	3.00	40,000.00	120,000
799	Single leaf door to Maintenance building, assumes hollow metal, including frame, finish, and hardware	EA	2.00	1,350.00	2,700
	Exterior Doors and Grilles			60.15/SF	122,700
C1030	Interior Doors				
115	Single leaf wooden doors, including frame, finish and hardware	EA	1.00	1,250.00	1,250
	Interior Doors			0.61/SF	1,250
	OPENINGS			60.76/SF	123,950
09	FINISHINGS				
C1010	Interior Partitions				
410	Gypsum board furring - 3-5/8" metal stud with 1 layer 5/8" GWB (Type F4.0)	SF	106.68	5.00	533
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	2,040.00	1.25	2,550
	Interior Partitions			1.51/SF	3,083
C2010	Wall Finishes				
141	Ceramic tile	SF	389.70	16.50	6,430
	Wall Finishes			3.15/SF	6,430
C2030	Flooring				
5	Sealed concrete	SF	1,681.47	1.50	2,522

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
6	Epoxy flooring and base	SF	85.35	12.00	1,024
	Flooring			1.74/SF	3,546
C2050	Ceiling Finishes				
41	Gypsum board ceiling, moisture resistant	SF	86.62	11.00	953
39	Paint to gypsum board ceiling	SF	86.62	1.50	130
40	Paint to exposed ceiling	SF	1,696.62	1.50	2,545
	Ceiling Finishes			1.78/SF	3,628
	FINISHINGS			8.18/SF	16,687
10	SPECIALTIES				
C1090	Interior Specialties				
280	Restroom accessories - Tissue paper dispenser	EA	1.00	50.00	50
281	Restroom accessories - Grab bar	EA	2.00	100.00	200
282	Restroom accessories - Napkin disposal	EA	1.00	150.00	150
283	Restroom accessories - Robe hook	EA	1.00	30.00	30
284	Restroom accessories - Soap dispenser	EA	1.00	50.00	50
291	Restroom accessories - Framed mirror	EA	1.00	800.00	800
292	Restroom accessories - Towel dispenser/waste receptacle	EA	1.00	700.00	700
296	Allowance for fire extinguisher and cabinets	EA	0.82	850.00	697
297	Allowance for interior signage	SF	2,040.00	0.75	1,530
298	Allowance for exterior signage	Item			2,500
	Interior Specialties			3.29/SF	6,707
	SPECIALTIES			3.29/SF	6,707
13	SPECIAL CONSTRUCTION				
F1020	Special Structures				
657	Pre-engineered building	SF	2,042.00	75.00	153,150
	Special Structures			75.07/SF	153,150
	SPECIAL CONSTRUCTION			75.07/SF	153,150
21	FIRE SUPPRESSION				
D4010	Fire Suppression				
512	Allowance for sprinkler system to support buildings	SF	2,040.00	6.00	12,240

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
787	Subcontractor GCs/GRs	Sum			612
	Fire Suppression			6.30/SF	12,852
	FIRE SUPPRESSION			6.30/SF	12,852
22	PLUMBING				
D2010	Domestic Water Distribution				
421	Plumbing Fixtures	Note			
445	Allowance for support buildings fixtures	SF	2,040.00	3.00	6,120
447	Water Distribution and Components	Note			
472	Allowance for domestic water distribution system to support buildings	SF	2,040.00	7.00	14,280
	Domestic Water Distribution			10.00/SF	20,400
D2020	Sanitary Drainage				
484	Allowance for support building sanitary system	SF	2,040.00	6.00	12,240
	Sanitary Drainage			6.00/SF	12,240
D2030	Building Support Plumbing Systems				
652	Allowance for support building rain water drainage system	SF	2,040.00	2.00	4,080
785	Testing, balancing and commissioning	SF	2,040.00	0.50	1,020
786	Subcontractor GCs/GRs	Sum			2,927
	Building Support Plumbing Systems			3.93/SF	8,027
D2060	Process Support Plumbing Systems				
477	Allowance for support building gas system	SF	2,040.00	2.00	4,080
	Process Support Plumbing Systems			2.00/SF	4,080
	PLUMBING			21.93/SF	44,747
23	HEATING, VENTILATING, AND AIR CONDITIONING				
D3050	Facility HVAC Distribution Systems				
177	Allowance for additional ductwork not yet designed	Lb	2,040.00	13.00	26,520
179	Allowance for additional duct insulation	SF	1,530.01	5.50	8,415
788	Allowance for ERV units and supplementary equipment to support areas	SF	2,040.00	15.00	30,600
403	Allowance for instrumentation and controls	SF	2,040.00	7.00	14,280
	Facility HVAC Distribution Systems			39.12/SF	79,815
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	2,040.00	0.50	1,020

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
784	Subcontractor GCs/GRs	Sum			5,658
	Special Purpose HVAC Systems			3.27/SF	6,678
	HEATING, VENTILATING, AND AIR CONDITIONING			42.40/SF	86,493
26	ELECTRICAL				
D5010	Facility Power Generation				
217	Distribution maintenance building	SF	2,040.00	4.00	8,160
	Facility Power Generation			4.00/SF	8,160
D5020	Electrical Service and Distribution				
218	Lighting,power & mechanical maintenance building	SF	2,040.00	14.50	29,580
	Electrical Service and Distribution			14.50/SF	29,580
D5080	Miscellaneous Electrical Systems				
222	Misc. maintenance building	SF	2,040.00	1.75	3,570
	Miscellaneous Electrical Systems			1.75/SF	3,570
	ELECTRICAL			20.25/SF	41,310
27	COMMUNICATIONS				
D6010	Data Communications				
219	Data maintenance building	SF	2,040.00	4.00	8,160
	Data Communications			4.00/SF	8,160
	COMMUNICATIONS			4.00/SF	8,160
28	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
220	Security maintenance building	SF	2,040.00	2.17	4,427
	Access Controls and Intrusion Detection			2.17/SF	4,427
D7050	Detection and Alarm				
221	Fire alarm maintenance building	SF	2,040.00	3.25	6,630
	Detection and Alarm			3.25/SF	6,630
	ELECTRONIC SAFETY AND SECURITY			5.42/SF	11,057
31	EARTHWORK				
A4010	Standard Slabs-on-Grade				
508	Excavation for slab on grade (included in Site preparation)	CY	110.99		Incl.
509	Remove and dispose of excavated material (included in Site preparation)	CY	110.99		Incl.
510	Prepare and compact sub-base	SF	1,798.00	1.50	2,697

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A3 Maintenance Building (continued)

GFAR: 2,040.00 SF Cost/SF: 338.32
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
513	Imported sand gravel fill - 12" thick	CY	66.60	50.00	3,330
	Standard Slabs-on-Grade			2.95/SF	6,027
A9010	Substructure Excavation				
591	Excavation for foundation footings (included in Site preparation)	CY	254.91		Incl.
593	Prepare and compact foundation sub-base	SF	748.24	1.50	1,122
594	Imported sand gravel fill below foundations - 12" thick	CY	27.73	50.02	1,387
620	Imported foundation backfill	CY	192.07	30.00	5,762
	Substructure Excavation			4.05/SF	8,271
	EARTHWORK			7.01/SF	14,298
	MAINTENANCE BUILDING			338.32/SF	690,176

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
A	Building			
A4	Concessions/Restrooms	1,730.00	665.37	1,151,089
	Building	1,730.0	665.37	1,151,089
	ESTIMATED NET COST	1,730	665.37	1,151,089

MARGINS & ADJUSTMENTS

Phasing / Temporary Works		Excl.
Design & Estimating Contingency	7.5 %	86,332
Escalation to Mid-Point of Construction (08/2023)	9.5 %	117,555
Sub-contractor Bonds	1.25 %	16,937
General Liability Insurance (per CM Pricing Exhibit 1)		15,556
Builder's Risk Insurance (per CM Pricing Exhibit 1)		2,357
Payment & Performance Bond (per CM Pricing Exhibit 1)		11,942
General Conditions (per CM Pricing Exhibit 1)		62,510
General Requirements (per CM Pricing Exhibit 1)		39,000
Allowance for Additional Requirements not included in CM Pricing Exhibit 1		6,453
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %	35,044
CM Fee (per CM Pricing Exhibit 1)	1.75 %	27,034
ESTIMATED TOTAL COST		1,571,809

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A4 Concessions/Restrooms

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
03	Concrete			
A1010	Standard Foundations		45.02	77,889
A2010	Walls for Subgrade Enclosures		40.31	69,732
A4010	Standard Slabs-on-Grade		10.96	18,956
A6010	Building Subdrainage		11.66	20,164
A6020	Off-Gassing Mitigation		1.57	2,718
	Concrete		109.51	189,459
04	Masonry			
B2010	Exterior Walls		97.04	167,887
C1010	Interior Partitions		6.85	11,857
	Masonry		103.90	179,744
05	Metals			
B1020	Roof Construction		38.45	66,523
C1090	Interior Specialties		1.05	1,820
	Metals		39.50	68,343
06	Wood, Plastics, and Composites			
C1090	Interior Specialties		2.37	4,095
	Wood, Plastics, and Composites		2.37	4,095
07	Thermal and Moisture Protection			
A2010	Walls for Subgrade Enclosures		7.38	12,775
A4010	Standard Slabs-on-Grade		0.67	1,155
B1020	Roof Construction		3.50	6,063
B2010	Exterior Walls		29.60	51,216
B3010	Roofing		25.74	44,525
C1010	Interior Partitions		1.05	1,820
	Thermal and Moisture Protection		67.95	117,554
08	Openings			
B2010	Exterior Walls		4.81	8,321
B2050	Exterior Doors and Grilles		16.24	28,100
	Openings		21.05	36,421
09	Finishings			
B2010	Exterior Walls		2.49	4,302
C1010	Interior Partitions		1.32	2,275

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
C2010	Wall Finishes		20.45	35,372
C2030	Flooring		8.55	14,795
C2050	Ceiling Finishes		7.92	13,708
	Finishings		40.72	70,452
10	Specialties			
C1090	Interior Specialties		23.88	41,304
	Specialties		23.88	41,304
11	Equipment			
E1090	Other Equipment		14.45	25,000
	Equipment		14.45	25,000
14	Conveying Equipment			
D1010	Vertical Conveying Systems		121.39	210,000
	Conveying Equipment		121.39	210,000
21	Fire Suppression			
D4010	Fire Suppression		6.63	11,466
	Fire Suppression		6.63	11,466
22	Plumbing			
D2010	Domestic Water Distribution		10.52	18,200
D2020	Sanitary Drainage		6.31	10,920
D2030	Building Support Plumbing Systems		4.14	7,162
D2060	Process Support Plumbing Systems		2.10	3,640
	Plumbing		23.08	39,922
23	Heating, Ventilating, and Air Conditioning			
D3050	Facility HVAC Distribution Systems		41.16	71,208
D3070	Special Purpose HVAC Systems		3.44	5,958
	Heating, Ventilating, and Air Conditioning		44.60	77,166
26	Electrical			
D5010	Facility Power Generation		6.31	10,920
D5020	Electrical Service and Distribution		15.25	26,390
D5080	Miscellaneous Electrical Systems		1.84	3,185
	Electrical		23.41	40,495

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
27	Communications			
D6010	Data Communications		4.47	7,735
	Communications		4.47	7,735
28	Electronic Safety and Security			
D7010	Access Controls and Intrusion Detection		2.28	3,949
D7050	Detection and Alarm		3.68	6,370
	Electronic Safety and Security		5.96	10,319
31	Earthwork			
A4010	Standard Slabs-on-Grade		2.63	4,556
A9010	Substructure Excavation		9.86	17,058
	Earthwork		12.49	21,614
	CONCESSIONS/RESTROOMS		665.37	1,151,089

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		86,332
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		117,555
	Sub-contractor Bonds	1.25 %		16,937
	General Liability Insurance (per CM Pricing Exhibit 1)			15,556
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			2,357
	Payment & Performance Bond (per CM Pricing Exhibit 1)			11,942
	General Conditions (per CM Pricing Exhibit 1)			62,510
	General Requirements (per CM Pricing Exhibit 1)			39,000
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			6,453
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		35,044
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		27,034
ESTIMATED TOTAL COST			908.56	1,571,809

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
A1010	Standard Foundations				
520	Concrete to exterior isolated footings, 4500 PSI - 6'x6'x2' (Concession Building)	CY	54.00	265.00	14,310
586	Concrete to strip footings - 2' thick, 4500 PSI	CY	43.87	265.01	11,626
588	Concrete to mat footings - 2' thick, 4500 PSI	CY	7.88	264.97	2,088
521	Form isolated footing	SF	960.00	17.50	16,800
530	Form strip footings	SF	1,183.62	17.50	20,713
589	Form mat footings	SF	82.06	17.50	1,436
522	Bar reinforcement to isolated footing	Lb	2,649.54	1.40	3,709
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	4,383.58	1.40	6,137
590	Bar reinforcement to mat footings, allow 100 PCY	Lb	764.47	1.40	1,070
	Standard Foundations			45.02/SF	77,889
A2010	Walls for Subgrade Enclosures				
598	Concrete to frost walls, 4500 PSI	CY	87.76	275.00	24,134
615	Concrete to elevator pit walls, 4500 PSI	CY	1.96	275.00	539
605	Form frost walls	SF	2,367.02	17.50	41,423
616	Form elevator pit walls	SF	148.40	17.50	2,597
613	Bar reinforcement to elevator pit walls, allow 10 PSF	Lb	741.80	1.40	1,039
	Walls for Subgrade Enclosures			40.31/SF	69,732
A4010	Standard Slabs-on-Grade				
501	Concrete to slab on grade - 6" thick, 4000 PSI	CY	25.19	250.02	6,298
502	Form slab on grade	SF	146.30	15.50	2,268
503	WWF reinforcement	SF	1,359.17	1.20	1,631
698	Allowance for bar reinforcement	Lb	679.59	1.40	951
504	Float finish to slab on grade	SF	1,359.17	1.50	2,039
505	Control joints	SF	1,359.17	0.75	1,019
703	Winter conditions	LS	1.00		Excl.
707	Mechanical pads	Item			3,750
710	Engineering, layout, safety, cleaning, etc.	Item			1,000
	Standard Slabs-on-Grade			10.96/SF	18,956
A6010	Building Subdrainage				
619	Perimeter drain	LF	308.14	50.00	15,407

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
686	Under-slab drainage system	SF	1,359.17	3.50	4,757
	Building Subdrainage			11.66/SF	20,164
A6020	Off-Gassing Mitigation				
702	Allowance for radon mitigation	SF	1,359.17	2.00	2,718
	Off-Gassing Mitigation			1.57/SF	2,718
	CONCRETE			109.51/SF	189,459
04	MASONRY				
B2010	Exterior Walls				
29	4" Thick CMU Veneer	SF	2,798.10	35.00	97,934
72	8" Thick CMU back-up	SF	2,798.13	25.00	69,953
	Exterior Walls			97.04/SF	167,887
C1010	Interior Partitions				
267	CMU partition, 8" thick	SF	301.77	25.00	7,544
268	CMU partition, 12" thick	SF	113.43	30.00	3,403
806	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Masonry Trade)	SF	1,820.00	0.50	910
	Interior Partitions			6.85/SF	11,857
	MASONRY			103.90/SF	179,744
05	METALS				
B1020	Roof Construction				
546	Galvanized corrugated roof deck - 3" deep, type N	SF	1,732.38	5.50	9,528
564	Structural steel framing - allow 14 PSF	T	12.1266	4,700.00	56,995
551	Allowance for miscellaneous connections and framings	T	12.1266		Incl.
	Roof Construction			38.45/SF	66,523
C1090	Interior Specialties				
293	Allowance for miscellaneous metals	SF	1,820.00	1.00	1,820
	Interior Specialties			1.05/SF	1,820
	METALS			39.50/SF	68,343
06	WOOD, PLASTICS, AND COMPOSITES				
C1090	Interior Specialties				
294	Allowance for rough carpentry	SF	1,820.00	0.75	1,365
295	Allowance for wood blocking	SF	1,820.00	1.25	2,275

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
807	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	1,820.00	0.25	455
	Interior Specialties			2.37/SF	4,095
	WOOD, PLASTICS, AND COMPOSITES			2.37/SF	4,095
07	THERMAL AND MOISTURE PROTECTION				
A2010	Walls for Subgrade Enclosures				
614	Waterproofing to basement retaining walls and footings and elevator pit walls and footings	SF	251.53	12.00	3,018
617	Dampproofing to frost wall	SF	1,183.55	4.00	4,734
618	Rigid insulation - 2" thick	SF	1,435.03	3.50	5,023
	Walls for Subgrade Enclosures			7.38/SF	12,775
A4010	Standard Slabs-on-Grade				
506	Air and vapor barrier	SF	1,359.17	0.85	1,155
507	Rigid insulation - 2" thick	SF	1,359.17		Incl.
	Standard Slabs-on-Grade			0.67/SF	1,155
B1020	Roof Construction				
719	Allowance for spray applied fireproofing (members only)	SF	1,732.37	3.50	6,063
	Roof Construction			3.50/SF	6,063
B2010	Exterior Walls				
30	Insulated metal panel	SF	215.09	65.00	13,981
89	3" Thick rigid insulation	SF	2,798.04	5.00	13,990
90	3" Thick batt insulation	SF	215.09	4.00	860
95	Fluid applied air-vapor barrier	SF	2,798.08	8.00	22,385
237	Exterior wall assembly, including cladding to CMU back-up, sheathing, insulation	SF	3,145.00		Excl.
	Exterior Walls			29.60/SF	51,216
B3010	Roofing				
800	Concession Building roof assembly, assumes PVC membrane roofing	SF	1,781.00	25.00	44,525
	Roofing			25.74/SF	44,525
C1010	Interior Partitions				
488	Allowance for miscellaneous sealing and caulking	SF	1,820.00	0.75	1,365

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
489	Allowance for miscellaneous fire stopping	SF	1,820.00	0.25	455
	Interior Partitions			1.05/SF	1,820
	THERMAL AND MOISTURE PROTECTION			67.95/SF	117,554
08	OPENINGS				
B2010	Exterior Walls				
212	Glazed storefront system	SF	87.59	95.00	8,321
	Exterior Walls			4.81/SF	8,321
B2050	Exterior Doors and Grilles				
241	8'-0" x 8'-0" Motor operated overhead door with insulating panels	EA	1.00	20,000.00	20,000
240	Single leaf door to Concessions, assumes hollow metal, including frame, finish, and hardware	EA	6.00	1,350.00	8,100
	Exterior Doors and Grilles			16.24/SF	28,100
	OPENINGS			21.05/SF	36,421
09	FINISHINGS				
B2010	Exterior Walls				
74	8" Metal stud back-up, sheathing, interior GWB lining	SF	215.09	20.00	4,302
	Exterior Walls			2.49/SF	4,302
C1010	Interior Partitions				
808	Allowance for miscellaneous clean-up, addtional labor, safety, etc. (Drywall Trade)	SF	1,820.00	1.25	2,275
	Interior Partitions			1.32/SF	2,275
C2010	Wall Finishes				
141	Ceramic tile	SF	1,998.59	16.50	32,977
170	Prepare and apply epoxy paint	SF	592.05	3.00	1,776
171	Prepare and apply paint to CMU	SF	495.13	1.25	619
	Wall Finishes			20.45/SF	35,372
C2030	Flooring				
5	Sealed concrete	SF	111.79	1.50	168
6	Epoxy flooring and base	SF	1,218.89	12.00	14,627
	Flooring			8.55/SF	14,795
C2050	Ceiling Finishes				
31	Acoustic ceiling (ACT-1)	SF	308.40	7.00	2,159
41	Gypsum board ceiling, moisture resistant	SF	910.45	11.00	10,015

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
39	Paint to gypsum board ceiling	SF	910.43	1.50	1,366
40	Paint to exposed ceiling	SF	111.75	1.50	168
Ceiling Finishes				7.92/SF	13,708
FINISHINGS				40.72/SF	70,452
10	SPECIALTIES				
C1090	Interior Specialties				
277	Restroom accessories - Toilet partition	EA	10.00	1,200.00	12,000
287	Restroom accessories - Toilet partition, ADA	EA	2.00	1,500.00	3,000
302	Restroom accessories - Urinal partition	EA	6.00	650.00	3,900
280	Restroom accessories - Tissue paper dispenser	EA	12.00	50.00	600
281	Restroom accessories - Grab bar	EA	24.00	100.00	2,400
282	Restroom accessories - Napkin disposal	EA	9.00	150.00	1,350
283	Restroom accessories - Robe hook	EA	12.00	30.00	360
284	Restroom accessories - Soap dispenser	EA	8.00	50.00	400
291	Restroom accessories - Framed mirror	EA	10.00	800.00	8,000
292	Restroom accessories - Towel dispenser/waste receptacle	EA	4.00	700.00	2,800
754	Allowance for elevator pit ladder, cover, etc	EA	2.00	1,000.00	2,000
296	Allowance for fire extinguisher and cabinets	EA	0.74	850.00	629
297	Allowance for interior signage	SF	1,820.00	0.75	1,365
298	Allowance for exterior signage	Item			2,500
Interior Specialties				23.88/SF	41,304
SPECIALTIES				23.88/SF	41,304
11	EQUIPMENT				
E1090	Other Equipment				
801	Food service equipment (Concession)	LS	1.00	25,000.00	25,000
Other Equipment				14.45/SF	25,000
EQUIPMENT				14.45/SF	25,000
14	CONVEYING EQUIPMENT				
D1010	Vertical Conveying Systems				
752	Passenger elevator, 2 stops	EA	1.00	110,000.00	110,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
804	Limited use/Limited application elevator	EA	1.00	100,000.00	100,000
	Vertical Conveying Systems			121.39/SF	210,000
	CONVEYING EQUIPMENT			121.39/SF	210,000
21	FIRE SUPPRESSION				
D4010	Fire Suppression				
512	Allowance for sprinkler system to support buildings	SF	1,820.00	6.00	10,920
787	Subcontractor GCs/GRs	Sum			546
	Fire Suppression			6.63/SF	11,466
	FIRE SUPPRESSION			6.63/SF	11,466
22	PLUMBING				
D2010	Domestic Water Distribution				
421	Plumbing Fixtures	Note			
445	Allowance for support buildings fixtures	SF	1,820.00	3.00	5,460
447	Water Distribution and Components	Note			
472	Allowance for domestic water distribution system to support buildings	SF	1,820.00	7.00	12,740
	Domestic Water Distribution			10.52/SF	18,200
D2020	Sanitary Drainage				
484	Allowance for support building sanitary system	SF	1,820.00	6.00	10,920
	Sanitary Drainage			6.31/SF	10,920
D2030	Building Support Plumbing Systems				
652	Allowance for support building rain water drainage system	SF	1,820.00	2.00	3,640
785	Testing, balancing and commissioning	SF	1,820.00	0.50	910
786	Subcontractor GCs/GRs	Sum			2,612
	Building Support Plumbing Systems			4.14/SF	7,162
D2060	Process Support Plumbing Systems				
477	Allowance for support building gas system	SF	1,820.00	2.00	3,640
	Process Support Plumbing Systems			2.10/SF	3,640
	PLUMBING			23.08/SF	39,922
23	HEATING, VENTILATING, AND AIR CONDITIONING				
D3050	Facility HVAC Distribution Systems				
177	Allowance for additional ductwork not yet designed	Lb	1,820.00	13.00	23,660
179	Allowance for additional duct insulation	SF	1,365.01	5.50	7,508

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

A4 Concessions/Restrooms (continued)

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
788	Allowance for ERV units and supplementary equipment to support areas	SF	1,820.00	15.00	27,300
403	Allowance for instrumentation and controls	SF	1,820.00	7.00	12,740
	Facility HVAC Distribution Systems			41.16/SF	71,208
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	1,820.00	0.50	910
784	Subcontractor GCs/GRs	Sum			5,048
	Special Purpose HVAC Systems			3.44/SF	5,958
	HEATING, VENTILATING, AND AIR CONDITIONING			44.60/SF	77,166
26	ELECTRICAL				
D5010	Facility Power Generation				
229	Distribution Concessions building	SF	1,820.00	6.00	10,920
	Facility Power Generation			6.31/SF	10,920
D5020	Electrical Service and Distribution				
230	Lighting, power & mechanical Concessions building	SF	1,820.00	14.50	26,390
	Electrical Service and Distribution			15.25/SF	26,390
D5080	Miscellaneous Electrical Systems				
234	Misc. concessions building	SF	1,820.00	1.75	3,185
	Miscellaneous Electrical Systems			1.84/SF	3,185
	ELECTRICAL			23.41/SF	40,495
27	COMMUNICATIONS				
D6010	Data Communications				
231	Data Concessions building	SF	1,820.00	4.25	7,735
	Data Communications			4.47/SF	7,735
	COMMUNICATIONS			4.47/SF	7,735
28	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
232	Security Concessions building	SF	1,820.00	2.17	3,949
	Access Controls and Intrusion Detection			2.28/SF	3,949
D7050	Detection and Alarm				
233	Fire alarm Concessions building	SF	1,820.00	3.50	6,370
	Detection and Alarm			3.68/SF	6,370
	ELECTRONIC SAFETY AND SECURITY			5.96/SF	10,319

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

A Building

A4 Concessions/Restrooms (continued)

GFAR: 1,730.00 SF Cost/SF: 665.37
Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
31	EARTHWORK				
A4010	Standard Slabs-on-Grade				
508	Excavation for slab on grade (included in Site preparation)	CY	83.91		Incl.
509	Remove and dispose of excavated material (included in Site preparation)	CY	83.91		Incl.
510	Prepare and compact sub-base	SF	1,359.17	1.50	2,039
513	Imported sand gravel fill - 12" thick	CY	50.34	50.00	2,517
	Standard Slabs-on-Grade			2.63/SF	4,556
A9010	Substructure Excavation				
591	Excavation for foundation footings (included in Site preparation)	CY	567.69		Incl.
593	Prepare and compact foundation sub-base	SF	1,414.98	1.50	2,122
594	Imported sand gravel fill below foundations - 12" thick	CY	52.43	50.01	2,622
654	Excavation for elevator pit	CY	15.64		Incl.
620	Imported foundation backfill	CY	410.46	30.00	12,314
	Substructure Excavation			9.86/SF	17,058
	EARTHWORK			12.49/SF	21,614
	CONCESSIONS/RESTROOMS			665.37/SF	1,151,089

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At July 2021

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
B	Sitework			38,658,328
ESTIMATED NET COST				38,658,328

MARGINS & ADJUSTMENTS

Phasing / Temporary Works		Excl.
Design & Estimating Contingency	7.5 %	2,899,375
Escalation to Mid-Point of Construction (08/2023)	9.5 %	3,947,982
Sub-contractor Bonds	1.25 %	568,821
General Liability Insurance (per CM Pricing Exhibit 1)		522,435
Builder's Risk Insurance (per CM Pricing Exhibit 1)		79,157
Payment & Performance Bond (per CM Pricing Exhibit 1)		401,061
General Conditions (per CM Pricing Exhibit 1)		2,099,348
General Requirements (per CM Pricing Exhibit 1)		1,309,788
Allowance for Additional Requirements not included in CM Pricing Exhibit 1		216,707
CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %	1,176,929
CM Fee (per CM Pricing Exhibit 1)	1.75 %	907,899
ESTIMATED TOTAL COST		52,787,830

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

B Sitework

Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
02	Existing Conditions			
F2010	Hazardous Materials Remediation			2,000,000
F3010	Structure Demolition			1,702,853
G1020	Site Elements Demolition			861,924
	Existing Conditions			4,564,777
03	Concrete			
G2050	Athletic, Recreational, and Playfield Areas			77,160
	Concrete			77,160
04	Masonry			
G2060	Site Development			Excl.
	Masonry			Excl.
26	Electrical			
G1020	Site Elements Demolition			75,000
G4010	Site Electric Distribution Systems			1,073,063
G4050	Site Lighting			664,625
	Electrical			1,812,688
27	Communications			
G5010	Site Communications			353,030
	Communications			353,030
31	Earthwork			
G1010	Site Clearing			517,300
G1070	Site Earthwork			10,616,479
G2010	Roadways			205,501
G2020	Parking Lots			480,823
G2030	Pedestrian Plazas and Walkways			140,523
G2050	Athletic, Recreational, and Playfield Areas			616,700
	Earthwork			12,577,326
32	Exterior Improvements			
G2010	Roadways			1,129,842
G2020	Parking Lots			1,526,456
G2030	Pedestrian Plazas and Walkways			543,890
G2050	Athletic, Recreational, and Playfield Areas			4,192,221
G2060	Site Development			2,510,010

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

B Sitework (continued)

Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
G2080	Landscaping			1,160,068
	Exterior Improvements			11,062,487
33	Utilities			
G1020	Site Elements Demolition			164,360
G3010	Water Utilities			1,123,170
G3020	Sanitary Sewerage Utilities			786,750
G3030	Storm Drainage Utilities			6,036,580
G3090	Liquid and Gas Site Utilities Supplementary Components			100,000
	Utilities			8,210,860
	SITEWORK			38,658,328

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS SUMMARY

B Sitework (continued)

Rates Current At July 2021

Ref	Description	%	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS				
	Phasing / Temporary Works			Excl.
	Design & Estimating Contingency	7.5 %		2,899,375
	Escalation to Mid-Point of Construction (08/2023)	9.5 %		3,947,982
	Sub-contractor Bonds	1.25 %		568,821
	General Liability Insurance (per CM Pricing Exhibit 1)			522,435
	Builder's Risk Insurance (per CM Pricing Exhibit 1)			79,157
	Payment & Performance Bond (per CM Pricing Exhibit 1)			401,061
	General Conditions (per CM Pricing Exhibit 1)			2,099,348
	General Requirements (per CM Pricing Exhibit 1)			1,309,788
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			216,707
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		1,176,929
	CM Fee (per CM Pricing Exhibit 1)	1.75 %		907,899
ESTIMATED TOTAL COST				52,787,830

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

B Sitework

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
02	EXISTING CONDITIONS				
F2010	Hazardous Materials Remediation				
552	Allowance for hazardous materials abatement	LS	1.0	2,000,000.00	2,000,000
	Hazardous Materials Remediation				2,000,000
F3010	Structure Demolition				
553	Demolish existing school building	SF	239,144.0	7.00	1,674,008
554	Demolish miscellaneous support/outbuildings	SF	5,769.0	5.00	28,845
	Structure Demolition				1,702,853
G1020	Site Elements Demolition				
533	Break-out and remove existing pavements	SF	262,091.0	2.00	524,182
534	Break-out and remove existing basketball courts	SF	12,935.0	2.00	25,870
544	Remove and dispose of existing fencing	LF	3,165.0	20.00	63,300
545	Remove and dispose of existing metal guardrail	LF	721.0	25.00	18,025
557	Remove and dispose of sliding gate	EA	4.0	350.00	1,400
559	Remove and dispose of jersey barrier	LF	21.0	30.00	630
560	Remove and dispose of trailers	EA	4.0	1,000.00	4,000
561	Allowance for miscellaneous site demolition not indicated on plans	SF	1,496,779.0	0.15	224,517
	Site Elements Demolition				861,924
	EXISTING CONDITIONS				4,564,777
03	CONCRETE				
G2050	Athletic, Recreational, and Playfield Areas				
700	Allowance for concrete footings to bleacher system	SF	5,144.0	15.00	77,160
	Athletic, Recreational, and Playfield Areas				77,160
	CONCRETE				77,160
04	MASONRY				
G2060	Site Development				
54	Granite veneer to retaining wall - not required	SF	3,264.0		Excl.
	Site Development				Excl.
	MASONRY				Excl.
26	ELECTRICAL				
G1020	Site Elements Demolition				
762	Existing building electrical demolition (phased)	EA	1.0	75,000.00	75,000
	Site Elements Demolition				75,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G4010 Site Electric Distribution Systems					
811	Secondary 3000 amp feeder to school electrical room	LF	260.0	969.00	251,940
184	Primary 3000 amp feeder #1 (8-4" conduits) utility supplied cable	LF	940.0	250.00	235,000
185	Primary 3000 amp feeder #2 (8-4" conduits) utility supplied cable	LF	931.0	250.00	232,750
186	Fire Pump feeder 200 amps (2-4" conduits)	LF	376.0	56.00	21,056
187	Secondary generator feeder (4-400 amp feeds)	LF	680.0	125.50	85,340
188	Secondary feeder to maintenance building 400 amp service)	LF	619.0	125.50	77,685
201	Field electrical service 75 kva transformer service EV Charging Stations	EA	2.0	42,040.00	84,080
204	Field service to concessions 250 amps	LF	592.0	65.00	38,480
205	Field service to athletic building 1200 amps	LF	94.0	125.50	11,797
208	Primary to padmount transformer for field buildings	LF	220.0	88.00	19,360
213	Spots field grounding	EA	1.0	25,700.00	25,700
706	Secondary service manholes	EA	11.0	2,450.00	26,950
708	Service pad mount transformer bases & grounding	EA	5.0	4,585.00	22,925
766	Utility pole modifications (not included)	EA	1.0		Excl.
898	Move transformer closer to building (approximately 25% closer)	LS	1.0	-60,000.00	-60,000
Site Electric Distribution Systems					1,073,063
G4050 Site Lighting					
214	Sports field lighting incl conduit & wire (pole lights)	EA	1.0	225,000.00	225,000
215	Sports field lighting control	EA	1.0	51,375.00	51,375
772	Site bench lighting	EA	1.0	8,550.00	8,550
773	Sports field lighting (musco)	EA	2.0	480,000.00	960,000
774	Electronic gate entrance	EA	1.0	12,200.00	12,200
775	Entry sign & message board school - not required	EA	1.0		Excl.
776	Entry sign & message board stadium - not required	EA	1.0		Excl.
896	Remove or create alternate for other athletic fields sports lighting	LS	1.0	-592,500.00	-592,500
Site Lighting					664,625
ELECTRICAL					1,812,688

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
27	COMMUNICATIONS				
G5010	Site Communications				
189	Secondary communications feeder 8-4" conduits	LF	680.0	210.00	142,800
192	Communications to maintenance building (4-4" conduits)	LF	640.0	107.00	68,480
209	Secondary communications feeder 8-4" conduits for Athletic fields	LF	675.0	210.00	141,750
	Site Communications				353,030
	COMMUNICATIONS				353,030
31	EARTHWORK				
G1010	Site Clearing				
672	Allowance for dust control	LS	1.0	50,000.00	50,000
676	Clearing and grubbing	Acre	15.20	7,500.00	114,000
677	Tree removal	EA	100.0	750.00	75,000
678	Site fencing including maintenance	LF	2,532.0	25.00	63,300
679	Mobilization	LS	1.0	100,000.00	100,000
680	Submittals, as-builts, layout, survey, etc.	LS	1.0	115,000.00	115,000
	Site Clearing				517,300
G1070	Site Earthwork				
666	Excavate to proposed level	CY	99,437.0	15.00	1,491,555
667	Excavate to proposed level, rock excavation including survey, drilling, stockpile, etc.	CY	150,000.0	45.00	6,750,000
668	Fill to proposed level using excavated materials	CY	142,140.0	10.00	1,421,400
669	Allowance for fine grading	SF	1,679,175.0	0.25	419,794
670	Allowance for dewatering	LS	1.0	400,000.00	400,000
673	Inlet protection	EA	10.0	1,000.00	10,000
674	Construction entrance	EA	2.0	7,000.00	14,000
675	Haybale and silt fencing including maintenance	LF	10,973.0	10.00	109,730
	Site Earthwork				10,616,479
G2010	Roadways				
733	Excavate for paving	CY	3,574.0	15.00	53,610
735	Stock pile excavated materials for re-use	CY	3,574.0	6.00	21,444
734	Prepare and compact subbase	SF	90,307.0	1.00	90,307
736	Granular fill, 12" thick, re-use excavated materials	CY	3,345.0	12.00	40,140
	Roadways				205,501

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G2020	Parking Lots				
738	Excavate for paving	CY	8,137.0	15.00	122,055
739	Stock pile excavated materials for re-use	CY	8,137.0	6.00	48,822
740	Prepare and compact subbase	SF	237,718.0	1.00	237,718
742	Granular fill, re-use excavated materials	CY	6,019.0	12.00	72,228
	Parking Lots				480,823
G2030	Pedestrian Plazas and Walkways				
743	Excavate for paving	CY	2,502.0	15.00	37,530
744	Stock pile excavated materials for re-use	CY	2,502.0	6.00	15,012
745	Prepare and compact subbase	SF	67,413.0	1.00	67,413
746	Granular fill, re-use excavated materials	CY	1,714.0	12.00	20,568
	Pedestrian Plazas and Walkways				140,523
G2050	Athletic, Recreational, and Playfield Areas				
755	Excavate athletic fields	CY	9,733.0	15.00	145,995
756	Stock pile excavated materials for re-use	CY	9,733.0	6.00	58,398
757	Prepare and compact subbase	SF	285,443.0	1.00	285,443
758	Granular base to athletic fields, re-use excavated materials	CY	10,572.0	12.00	126,864
	Athletic, Recreational, and Playfield Areas				616,700
	EARTHWORK				12,577,326
32	EXTERIOR IMPROVEMENTS				
G2010	Roadways				
167	Farm street driveway intersection improvement including paving milling and overall, granite curbs, traffic signal, etc. (per Nitsch Engineering)	LS	1.0	355,000.00	355,000
247	Vehicular asphalt paving	SY	10,035.0	45.00	451,575
248	Vertical granite curb	LF	5,996.0	60.00	359,760
249	Formed asphalt curb: cape cod berm	LF	1,713.0	15.00	25,695
737	Pavement markings	SF	90,307.0	0.25	22,577
813	Temporary access road and repairs	LS	1.0	100,000.00	100,000
827	Reduce granite curb by 35%	LF	-2,099.0	60.00	-125,940
828	Cape cod berm ILO granite	LF	2,099.0	15.00	31,485
831	Asphalt paving ILO of vehicular paving	SY	9,031.0	35.00	316,085
832	Vehicular paving	SY	9,031.0	-45.00	-406,395
	Roadways				1,129,842

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G2020 Parking Lots					
253	Asphalt paving	SY	25,071.0	35.00	877,485
290	Vehicular concrete paving	SY	1,343.0	45.00	60,435
255	Vertical granite curb	LF	10,700.0	60.00	642,000
671	Formed asphalt curb: cape cod berm	LF	1,387.0	15.00	20,805
262	Accessible pavement markings	SF	2,468.0	3.00	7,404
263	Crosswalk markings	SF	1,094.0	3.00	3,282
265	EV pavement markings	EA	10.0	500.00	5,000
266	Electric vehicle charging station (refer to Site Electrical)	EA	5.0		Incl.
261	Green vehicle pavement markings	EA	22.0	500.00	11,000
257	Handicap vehicle pavement markings	EA	11.0	500.00	5,500
357	Parking line marking	LF	8,832.0	5.00	44,160
812	Temporary parking	LS	1.0	30,000.00	30,000
829	Reduce granite curb by 35%	LF	-3,745.0	60.00	-224,700
830	Cape cod berm ILO granite	LF	3,745.0	15.00	56,175
833	Asphalt paving ILO of vehicular paving	SY	1,209.0	35.00	42,315
834	Vehicular paving	SY	1,209.0	-45.00	-54,405
Parking Lots					1,526,456
G2030 Pedestrian Plazas and Walkways					
256	Asphalt walkway pavement	SY	3,669.0	35.00	128,415
718	Vehicular concrete walkway	SY	444.0	45.00	19,980
264	Accessible curb ramp	SF	991.0		Incl.
269	Integral color aggregate concrete paving	SF	11,490.0	15.00	172,350
273	Granite pavers, type A	SF	895.0	60.00	53,700
279	Concrete unit plank pavers, type B	SF	1,010.0	30.00	30,300
362	Concrete walkway paving	SF	17,017.0	10.00	170,170
367	Detectable warning	SF	292.0	40.00	11,680
814	Temporary walkways	LS	1.0	30,000.00	30,000
835	Reduce concrete sidewalk	SF	5,000.0	-10.00	-50,000
836	Asphalt ILO concrete sidewalk	SY	556.0	35.00	19,460
837	Concrete walkway paving ILO colored walkways (50% of original area)	SF	5,745.0	10.00	57,450
838	Remove colored walkway	SF	5,745.0	-15.00	-86,175
839	Concrete pavers ILO of granite (50% of original area)	SF	448.0	30.00	13,440

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
840	Remove granite pavers	SF	448.0	-60.00	-26,880
Pedestrian Plazas and Walkways					543,890
G2050	Athletic, Recreational, and Playfield Areas				
388	Infilled synthetic turf (Baseball Court)	SF	101,022.0	7.00	707,154
389	Infilled synthetic turf (Football Court)	SF	77,980.0	7.00	545,860
405	Urethane resilient track surfacing (D-Zone)	SF	21,659.0	20.00	433,180
404	Urethane resilient track surfacing on asphalt (6-Lane Track)	SF	32,617.0	20.00	652,340
390	3" Asphalt paving with acrylic sand color seal coat (Tennis Court)	SF	29,512.0	10.00	295,120
391	Engineered infield mix (Softball Court)	SF	22,655.0	3.00	67,965
723	10'-0" High BVC chainlink fence	LF	25.0	150.00	3,750
693	6'-0" High BVC chainlink fence	LF	970.0	90.00	87,300
397	4'-0" High BVC chainlink fence	LF	2,556.0	50.00	127,800
398	4'-0" High BVC chainlink fence single leaf gate	EA	4.0	300.00	1,200
725	6'-0" High BVC chainlink fence single leaf gate	EA	1.0	400.00	400
694	4'-0" High BVC chainlink fence double leaf gate	EA	2.0	650.00	1,300
724	10'-0" High BVC chainlink fence double leaf gate	EA	1.0	950.00	950
684	Chainlink fence backstop	LF	141.0	350.00	49,350
697	Shotput cage - allow 20' high	LF	68.0	350.00	23,800
406	Trench drain	LF	1,302.0	100.00	130,200
396	Electronic scoreboard - steel posts with concrete footing	EA	3.0	5,000.00	15,000
417	Football goal post and footing	EA	2.0	20,000.00	40,000
416	20'-0" high sports netting	LF	541.0	500.00	270,500
418	Long jump runway	SF	1,313.0		Incl.
419	Long jump pit	SF	755.0	15.00	11,325
420	Shotput throwing pad and landing sector	SF	200.0		Incl.
422	Stabilized stonedust	SF	1,101.0	2.00	2,202
429	Team bench	LF	180.0	95.00	17,100
689	Reinforcement concrete pad	SF	2,747.0	20.00	54,940
690	Asphalt pad	SY	46.0	50.00	2,300
692	Overhead shade structure - 8'x32'	SF	1,291.0	35.00	45,185
695	Pole vault runway	SF	633.0		Incl.
696	Pole vault box	EA	1.0	1,500.00	1,500
726	Foul pole including footing	EA	3.0	6,500.00	19,500

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
699	Aluminum bleacher system with pressbox - Football field, 500 person	LS	1.0	300,000.00	300,000
704	Aluminum bleacher system - Baseball field, 50 person	LS	1.0	23,000.00	23,000
705	Aluminum bleacher system - Softball field, 50 person	LS	1.0	23,000.00	23,000
709	Aluminum bleacher system - Softball field, 30 person	LS	1.0	14,000.00	14,000
701	Outdoor fitness equipment - by Owner	EA	5.0		Excl.
769	Exterior scoreboard baseball	EA	1.0	50,000.00	50,000
770	Exterior scoreboard football	EA	1.0	125,000.00	125,000
771	Exterior scoreboard softball	EA	1.0	50,000.00	50,000
Athletic, Recreational, and Playfield Areas					4,192,221
G2060	Site Development				
258	Riprap slope (re-use existing or blasted materials)	SF	44,692.0	10.00	446,920
259	Guardrail along riprap slope	LF	3,208.0	75.00	240,600
260	Segmented retaining wall	LF	172.0	200.00	34,400
270	Straight Gabion seat with wall mount wood topper	LF	130.0	650.00	84,500
271	Curved Gabion seat with wall mount wood topper	LF	78.0	650.00	50,700
278	Cafe table and (4) cafe wood seat	EA	21.0	4,500.00	94,500
286	Concession table and bench	EA	9.0	4,000.00	36,000
288	Loading dock ramp	SF	336.0	35.00	11,760
289	Dumpster - by Owner	EA	2.0		Excl.
778	Poured in place rubber safety surfacing	SF	933.0	25.00	23,325
369	Steel bollard (at walkway)	EA	2.0	650.00	1,300
370	4'-0" High wire mesh fence	LF	102.0	400.00	40,800
682	6'-0" High wire mesh fence	LF	139.0	500.00	69,500
371	4'-0" High Gabian fence wall with metal signage	LF	25.0	400.00	10,000
372	4'-0" High ornamental fence	LF	30.0	100.00	3,000
374	Custom 2" black granite slab wall mounted on perforated galv. metal seat framing	LF	49.0	350.00	17,150
377	8'-0" High chain link double leaf gate	Pair	2.0	950.00	1,900
378	8'-0" High BVC chainlink fence	LF	116.0	120.00	13,920
387	10'-0" High BVC chainlink fence	LF	718.0	150.00	107,700
379	Concrete filled steel bollard (equipment area)	EA	12.0	650.00	7,800
380	Equipment concrete pad	SF	336.0	25.00	8,400
381	Wood deck	SF	401.0	35.00	14,035

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
399	Pre-engineered elevated boardwalk ramping system	SF	4,546.0	110.00	500,060
400	CIP Concrete stair	SF	2,392.0	45.00	107,640
401	CIP Concrete ramp	SF	1,168.0	25.00	29,200
402	Guardrail to CIP concrete stair / ramp	LF	1,125.0	275.00	309,375
683	Metal shaded roof pergola - not required	SF	323.0		Excl.
727	Electronic vehicle access system, including bollard mounted card reader (refer to Electrical)	EA	2.0		Incl.
373	CIP Retaining wall	CY	98.0	1,800.00	176,400
728	CIP Retaining wall strip footing	CY	110.0	1,000.00	110,000
825	Reduce site furnishing costs by 25%	LS	1.0	-40,875.00	-40,875
Site Development					2,510,010
G2080	Landscaping				
272	Large seating boulders (\$250,000 TVD)	EA	32.0	7,812.50	250,000
407	Low mow lawn	SF	146,099.0	0.50	73,050
711	Trees	EA	48.0	1,000.00	48,000
712	Deciduous trees	EA	137.0	1,000.00	137,000
713	Evergreen trees	EA	64.0	1,500.00	96,000
717	Ornamental trees	EA	29.0	1,200.00	34,800
714	Ground covers	EA	451.0	30.00	13,530
715	Ornamental grass	EA	2,592.0	20.00	51,840
716	Shrubs	EA	202.0	100.00	20,200
789	Imported planting mix	CY	2,869.0	50.00	143,450
791	Lawn irrigation system	SF	146,099.0	2.00	292,198
Landscaping					1,160,068
EXTERIOR IMPROVEMENTS					11,062,487
33	UTILITIES				
G1020	Site Elements Demolition				
523	Remove and dispose of existing catch basins	EA	31.0	750.00	23,250
524	Remove and dispose of existing manholes	EA	17.0	750.00	12,750
525	Remove and dispose existing utilities piping	LF	1,486.0	35.00	52,010
526	Protect and maintain existing hydrant	EA	1.0	500.00	500
527	Cap water main	EA	1.0	1,500.00	1,500
528	Remove and dispose M&P structure	EA	3.0	1,000.00	3,000
531	Remove existing fire hydrant	EA	1.0	250.00	250

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
532	Maintain and protect existing sewer manhole	EA	6.0	300.00	1,800
536	Remove and dispose existing light poles and associated wiring	EA	16.0	300.00	4,800
541	Remove and dispose existing light sconces and associated wiring	EA	25.0	100.00	2,500
555	Remove and dispose of buried fuel tanks	EA	2.0	30,000.00	60,000
556	Remove and dispose of above grade gas tanks	EA	4.0	500.00	2,000
Site Elements Demolition					164,360
G3010	Water Utilities				
565	Connect to existing mains	EA	3.0	5,000.00	15,000
566	Ductile iron pipe, 8"	LF	6,341.0	125.00	792,625
573	Ductile iron pipe, 6"	LF	297.0	95.00	28,215
568	Hydrants	EA	11.0	5,000.00	55,000
569	Excavation and backfill	LF	6,638.0	35.00	232,330
Water Utilities					1,123,170
G3020	Sanitary Sewerage Utilities				
580	Connect to existing line	EA	1.0	5,000.00	5,000
578	Manholes	EA	34.0	4,500.00	153,000
575	PVC pipe, 8"	LF	2,656.0	135.00	358,560
576	PVC pipe, 6"	LF	739.0	100.00	73,900
581	Clean existing sewer line	LF	1,550.0	50.00	77,500
574	Precast grease traps, refer to Plumbing	EA	2.0		Incl.
577	Excavation and backfill	LF	3,394.0	35.00	118,790
Sanitary Sewerage Utilities					786,750
G3030	Storm Drainage Utilities				
582	Drain manholes	EA	28.0	6,500.00	182,000
583	Catch basins	EA	99.0	5,000.00	495,000
584	Area drains	EA	8.0	1,000.00	8,000
579	Water quality structure	EA	24.0	20,000.00	480,000
609	Water quality inlet	EA	3.0	5,000.00	15,000
600	Outlet control structure	EA	4.0	10,000.00	40,000
601	HDPE pipe, 12"	LF	10,778.0	85.00	916,130
602	Excavation and backfill	LF	10,778.0	35.00	377,230

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

SCHEMATIC DESIGN COST ESTIMATE - REVISION 4



LOCATION DIVISIONS/ELEMENTS ITEM

B Sitework (continued)

Rates Current At July 2021

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
610	Underground detention system including chambers, bedding, piping, excavation, backfill, etc.	EA	1,378.0	2,000.00	2,756,000
611	Bioretention basin including piping, bedding, planting mix, excavation, etc.	SF	3,848.0	15.00	57,720
612	Swale	SF	41,900.0	5.00	209,500
681	Allowance for temporary retention basin including piping, etc.	LS	1.0	500,000.00	500,000
Storm Drainage Utilities					6,036,580
G3090	Liquid and Gas Site Utilities Supplementary Components				
793	Allowance for miscellaneous site utilities not yet designed	LS	1.0	100,000.00	100,000
Liquid and Gas Site Utilities Supplementary Components					100,000
UTILITIES					8,210,860
SITEWORK					38,658,328