

PROJECT SCOPE & BUDGET
COST ESTIMATE - DESIGNER

6C.2.3 - 04

6B.2.3 – 04

UNIFORMAT

**COST ESTIMATE
DESIGNER**

90% CONSTRUCTION DOCUMENTS COST ESTIMATE – R2

19 MAY 2023

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

WAKEFIELD, MA



Bid/GMP Date: November 2023
Project Number: DRA No. 20202
MSBA ID: 2017-085-30605

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

GFAR: Gross Floor Area
Rates Current At May 2023

LOCATION SUMMARY

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
BD	BASE DESIGN			
A	Building			
A1	New School Building	380,570.00	422.20	160,676,975
A3	Maintenance Building			501,114
	A - Building	380,570.00	423.52	161,178,089
B	Sitework			35,149,711
C	Demolition & Abatement			
C1F	Facility Remediation			2,300,000
C2D	Demolition			2,836,093
	C - Demolition & Abatement			5,136,093
	BD - BASE DESIGN	380,570.0	529.37	201,463,893
ESTIMATED NET COST		380,570	529.37	201,463,893
MARGINS & ADJUSTMENTS				
	Design & Estimating Contingency	1.5 %		3,021,959
	Escalation Allowance up to mid-point of Construction (3/2025)	3 %		6,134,575
	Sub-contractor Bonds	1.2 %		2,527,443
	Insurance - CCIP (Change from GL)			6,835,919
	Cost of Traditional Insurance (Trade + GL) - Savings			Incl.
	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)			9,687,591
	Field Office Support			1,694,300
	General Requirements (per CM Pricing Exhibit 1)			5,034,190
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			850,000
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		5,384,096
	CM Fee (per CM Pricing Exhibit 1)			4,205,160
ESTIMATED TOTAL COST		380,570	654.43	249,055,108

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

UNIFORMAT II - LEVEL 2 SUMMARY

Gross Floor Area: 380,570 SF
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
A10	Foundations	7.00	2,664,753
A20	Basement Construction Subgrade Enclosures	8.39	3,191,717
A40	Slabs-on-Grade	5.40	2,053,841
A60	Water and Gas Mitigation	1.93	735,750
A90	Substructure Related Activities	3.38	1,285,770
B10	Superstructure	67.54	25,705,534
B20	Exterior Vertical Enclosures	51.72	19,682,478
B30	Exterior Horizontal Enclosures	15.43	5,871,317
C10	Interior Construction	48.32	18,388,418
C20	Interior Finishes	30.81	11,725,771
D10	Conveying	2.51	955,775
D20	Plumbing	21.14	8,043,655
D30	HVAC	77.81	29,610,372
D40	Fire Protection	10.31	3,922,083
D50	Electrical	40.91	15,570,902
D60	Communications	7.79	2,964,963
D70	Electronic Safety and Security	7.47	2,843,393
E10	Equipment	14.78	5,623,888
E20	Furnishings	0.88	334,365
F20	Facility Remediation	6.05	2,303,344
F30	Demolition	7.45	2,836,093
G10	Site Preparation	33.51	12,752,385
G20	Site Improvements	30.87	11,748,234
G30	Liquid and Gas Site Utilities	12.35	4,699,674
G40	Electrical Site Improvements	10.04	3,820,576
G50	Site Communications	0.86	325,842
G90	Miscellaneous Site Construction		Excl.
Z10	General Requirements	4.74	1,803,000
ESTIMATED NET COST		529.37	201,463,893

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

UNIFORMAT II - LEVEL 2 SUMMARY

Gross Floor Area: 380,570 SF
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS			
	Design & Estimating Contingency		3,021,959
	Escalation Allowance up to mid-point of Construction (3/2025)		6,134,575
	Sub-contractor Bonds		2,527,443
	Insurance - CCIP (Change from GL)		6,835,919
	Cost of Traditional Insurance (Trade + GL) - Savings		Incl.
	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)		9,687,591
	Field Office Support		1,694,300
	General Requirements (per CM Pricing Exhibit 1)		5,034,190
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1		850,000
	CM Construction Contingency (per CM Pricing Exhibit 1)		5,384,096
	CM Fee (per CM Pricing Exhibit 1)		4,205,160
ESTIMATED TOTAL COST		654.43	249,055,108

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

PHASING SUMMARY

Gross Floor Area: 380,570 SF
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
P1	Phase 1 - Establish Site & Ledge Removal	27.15	10,334,022
P2	Phase 2 - Construction of New Building	431.82	164,338,353
P3	Phase 3 - Demolition & Fields	70.40	26,791,518
ESTIMATED NET COST		529.37	201,463,893
MARGINS & ADJUSTMENTS			
Design & Estimating Contingency			3,021,959
Escalation Allowance up to mid-point of Construction (3/2025)			6,134,575
Sub-contractor Bonds			2,527,443
Insurance - CCIP (Change from GL)			6,835,919
Cost of Traditional Insurance (Trade + GL) - Savings			Incl.
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)			9,687,591
Field Office Support			1,694,300
General Requirements (per CM Pricing Exhibit 1)			5,034,190
Allowance for Additional Requirements not included in CM Pricing Exhibit 1			850,000
CM Construction Contingency (per CM Pricing Exhibit 1)			5,384,096
CM Fee (per CM Pricing Exhibit 1)			4,205,160
ESTIMATED TOTAL COST		654.43	249,055,108

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



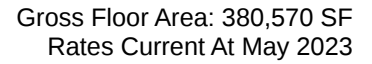
90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

FILED SUB-BIDS SUMMARY

Gross Floor Area: 380,570 SF
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
1	Non-Filed Sub-Bids Trade	277.46	105,593,842
2	Masonry	20.58	7,833,370
3	Miscellaneous & Ornamental Metals	9.77	3,717,660
4	Waterproofing, Dampproofing & Caulking	4.55	1,729,852
5	Roofing & Flashing	14.54	5,533,913
6	Metal Windows	19.54	7,435,624
7	Glass & Glazing	1.79	680,549
8	Tile	4.54	1,726,596
9	Acoustical Tile	6.50	2,475,228
10	Resilient Floors	6.00	2,282,623
11	Terrazzo		Excl.
12	Painting	3.59	1,364,575
13	Elevators	2.63	999,215
14	Fire Suppression	10.77	4,100,341
15	Plumbing	22.11	8,412,738
16	Heating, Ventilating & Air Conditioning	81.34	30,956,166
17	Electrical	67.74	25,778,135
ESTIMATED NET COST		553.43	210,620,427
MARGINS & ADJUSTMENTS			
	Sub-contractor Bonds		2,527,443
	Insurance - CCIP (Change from GL)		6,835,919
	Cost of Traditional Insurance (Trade + GL) - Savings		Incl.
	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)		9,687,591
	Field Office Support		1,694,300
	General Requirements (per CM Pricing Exhibit 1)		5,034,190
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1		850,000
	CM Construction Contingency (per CM Pricing Exhibit 1)		5,384,096

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



Ref	Description	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS (continued)			
	CM Fee (per CM Pricing Exhibit 1)		4,205,160
ESTIMATED TOTAL COST		654.43	249,055,108

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2 SUMMARY BD BASE DESIGN

A Building

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
A10	Foundations	6.80	2,588,373
A20	Basement Construction Subgrade Enclosures	7.61	2,896,141
A40	Slabs-on-Grade	5.06	1,924,683
A60	Water and Gas Mitigation	1.93	735,750
A90	Substructure Related Activities	3.38	1,285,770
B10	Superstructure	67.54	25,705,534
B20	Exterior Vertical Enclosures	51.72	19,682,478
B30	Exterior Horizontal Enclosures	15.43	5,871,317
C10	Interior Construction	48.32	18,388,418
C20	Interior Finishes	30.81	11,725,771
D10	Conveying	2.51	955,775
D20	Plumbing	21.14	8,043,655
D30	HVAC	77.81	29,610,372
D40	Fire Protection	10.31	3,922,083
D50	Electrical	40.91	15,570,902
D60	Communications	7.79	2,964,963
D70	Electronic Safety and Security	7.47	2,843,393
E10	Equipment	14.78	5,623,888
E20	Furnishings	0.88	334,365
F20	Facility Remediation	0.01	3,344
G30	Liquid and Gas Site Utilities		Incl.
NEW SCHOOL BUILDING		422.20	160,676,975

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2 SUMMARY

BD BASE DESIGN

A Building

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS			
	Design & Estimating Contingency		2,410,155
	Escalation Allowance up to mid-point of Construction (3/2025)		4,892,614
	Sub-contractor Bonds		2,015,756
	Insurance - CCIP (Change from GL)		5,451,969
	Cost of Traditional Insurance (Trade + GL) - Savings		Incl.
	Builder's Risk Insurance (per CM Pricing Exhibit 1)		291,322
	Payment & Performance Bond (per CM Pricing Exhibit 1)		1,476,028
	General Conditions (per CM Pricing Exhibit 1)		7,726,312
	Field Office Support		1,351,285
	General Requirements (per CM Pricing Exhibit 1)		4,015,004
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1		677,915
	CM Construction Contingency (per CM Pricing Exhibit 1)		4,294,072
	CM Fee (per CM Pricing Exhibit 1)		3,353,814
ESTIMATED TOTAL COST		521.94	198,633,221

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
A10	FOUNDATIONS				
A1010	Standard Foundations				
996	Concrete to isolated spread footings, 4500 PSI	CY	1,830.20	313.60	573,996
529	Concrete to perimeter strip footings - 1' thick, 4500 PSI	CY	114.70	313.60	35,972
2751	Concrete to perimeter strip footings - 1'-6" thick, 4500 PSI	CY	27.00	313.60	8,468
2403	Concrete to perimeter strip footings - 3' thick, 4500 PSI	CY	923.00	313.60	289,476
1000	Concrete to interior strip footings, 4500 PSI	CY	178.18	313.60	55,881
588	Concrete to elevator mat footings - 3' thick, 4500 PSI	CY	15.30	313.70	4,799
2633	Concrete to mat footings - 1' thick, 4500 PSI	CY	31.00	313.60	9,722
1117	Concrete to piers, 4500 PSI	CY	137.90	313.60	43,248
521	Form isolated spread footings	SF	22,957.90	19.30	443,087
530	Form strip footings	SF	10,417.02	19.30	201,048
589	Form elevator mat footings	SF	140.10	19.30	2,704
2634	Form mat footings	SF	203.00	19.30	3,918
1118	Form piers	SF	8,741.20	24.10	210,881
522	Bar reinforcement to isolated spread footings	Lb	178,617.20	1.70	310,258
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	170,915.61	1.70	296,881
590	Bar reinforcement to elevator mat footings	Lb	1,871.30	1.70	3,250
2635	Bar reinforcement to mat footings, allow 165 PCY	Lb	5,074.00	1.70	8,813
1119	Bar reinforcement to piers, allow	Lb	49,493.70	1.70	85,971
A1010 - Standard Foundations				6.80/SF	2,588,373
A10 - FOUNDATIONS				6.80/SF	2,588,373
A20	BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES				
A2010	Walls for Subgrade Enclosures				
597	Concrete to basement retaining walls, 4500 PSI	CY	879.00	313.60	275,676
599	Concrete to buttressed walls, 4500 PSI	CY	44.00	313.60	13,800
598	Concrete to perimeter frost walls, 4500 PSI	CY	489.71	313.60	153,585
1122	Concrete to interior foundation walls, 4500 PSI	CY	165.59	313.60	51,933

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
615	Concrete to elevator pit walls, 4500 PSI	CY	12.80	313.60	4,014
603	Form basement retaining walls	SF	25,290.00	24.10	610,121
604	Form buttressed walls	SF	2,790.00	24.10	67,309
605	Form perimeter frost walls	SF	19,982.65	24.10	482,081
1123	Form interior foundation walls	SF	11,480.37	24.10	276,964
616	Form elevator pit walls	SF	666.80	24.10	16,087
606	Bar reinforcement to basement retaining walls	Lb	171,364.00	1.70	297,659
607	Bar reinforcement to buttressed walls, allow 10 PSF	Lb	13,949.00	1.70	24,229
608	Bar reinforcement to perimeter frost walls	Lb	34,940.19	1.70	60,692
1124	Bar reinforcement to interior foundation walls	Lb	42,072.45	1.70	73,080
613	Bar reinforcement to elevator pit walls	Lb	3,261.90	1.70	5,666
614	Waterproofing to basement retaining walls and footings and elevator pit walls and footings	SF	21,069.90	14.50	304,986
617	Dampproofing to frost wall	SF	9,991.64	5.80	57,852
618	Rigid insulation - 2" thick	SF	31,060.86	4.30	134,882
2825	Water proofing adjustemnt	SF	1,000.00	-14.50	-14,475
A2010 - Walls for Subgrade Enclosures				7.61/SF	2,896,141
A20 - BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES				7.61/SF	2,896,141
A40	SLABS-ON-GRADE				
A4010	Standard Slabs-on-Grade				
500	Concrete to slab on grade - 4" thick, 4500 PSI	CY	797.00	313.60	249,959
501	Concrete to slab on grade - 6" thick, 4500 PSI	CY	1,204.20	313.60	377,667
502	Form slab on grade	SF	3,523.74	17.40	61,207
503	WWF reinforcement to slab on grade (Loading dock)	SF	830.00	1.70	1,442
2585	Fiber reinforcement to slab on grade	CY	1,997.91	57.90	115,679
698	Allowance for bar reinforcement	Lb	64,643.23	1.70	112,285
796	Allowance for thicken slab under CMU	LF	1,058.00	120.60	127,621
504	Float finish to slab on grade	SF	129,285.73	1.40	187,141
505	Control joints	SF	129,285.73	0.80	99,809
506	Air and vapor barrier	SF	129,285.73	0.90	112,285

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
508	Excavation for slab on grade	CY	7,584.42		Incl.
2777	BP 31A - Recommended amount	LS	1.00	200,277.00	200,277
509	Remove and dispose of excavated material	CY	7,584.42		Incl.
510	Prepare and compact sub-base	SF	129,285.73		Incl.
513	Re-use materials ILO Imported sand gravel fill - 12" thick	CY	4,788.78		Incl.
703	Winter conditions	LS	1.00		Excl.
707	Mechanical pads	Item			50,663
710	Engineering, layout, safety, cleaning, etc.	Item			207,475
A4010 - Standard Slabs-on-Grade				5.00/SF	1,903,510
A4090	Slab-on-Grade Supplementary Components				
507	Rigid insulation - 2" thick	SF	4,875.90	4.30	21,173
514	Extruded polystyrene insulation, perimeter only 2' wide - 2" thick	SF	4,901.00		Excl.
A4090 - Slab-on-Grade Supplementary Components				0.06/SF	21,173
A40 - SLABS-ON-GRADE				5.06/SF	1,924,683
A60	WATER AND GAS MITIGATION				
A6010	Building Subdrainage				
2779	BP 31A - Recommended amount	LS	1.00	735,750.00	735,750
619	Perimeter drain	LF	2,463.00		Incl.
686	Under-slab drainage system	SF	129,285.73		Incl.
1835	Allowance for Electrical and Plumbing earth work within footprint	LS	1.00		Incl.
A6010 - Building Subdrainage				1.93/SF	735,750
A6020	Off-Gassing Mitigation				
702	Allowance for radon mitigation - 20 drops x 60'	LS	1.00		Incl.
A6020 - Off-Gassing Mitigation					Incl.
A60 - WATER AND GAS MITIGATION				1.93/SF	735,750
A90	SUBSTRUCTURE RELATED ACTIVITIES				
A9010	Substructure Excavation				
2804	BP 31A - Recommended amount	LS	1.00	1,285,770.00	1,285,770

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
591	Excavation for foundation footings including spoils removal	CY	12,549.31		Incl.
593	Prepare and compact foundation sub-base	SF	35,031.74		Incl.
594	Imported sand gravel fill below foundations - 12" thick	CY	1,451.45		Incl.
595	Basement mass excavation	CY	32,666.00		Incl.
654	Excavation for elevator pit including spoils removal	CY	72.00		Incl.
620	Imported foundation backfill	CY	7,247.56		Incl.
691	Imported backfill to basement excavation	CY	6,534.00		Incl.
A9010 - Substructure Excavation				3.38/SF	1,285,770
A90 - SUBSTRUCTURE RELATED ACTIVITIES				3.38/SF	1,285,770
B10	SUPERSTRUCTURE				
B1010	Floor Construction				
2746	Galvanized composite metal floor deck - 1-1/2" deep, 20 GA	SF	1,143.00	5.80	6,618
535	Galvanized composite metal floor deck - 2" deep, 20 GA	SF	247,501.80	5.80	1,433,035
1007	Galvanized composite metal sloped floor deck - 2" deep (Auditorium) (none indicated)	SF	6,792.00		Excl.
537	Structural steel framing, including beams, columns, bracing	T	1,794.1050	5,211.00	9,349,075
997	Prestressed precast concrete hollow core plank, 10" thick	SF	1,383.00	43.40	60,057
2632	Prestressed precast concrete hollow core plank, 8" thick	SF	13,566.00	38.60	523,648
2747	Light weight concrete topping, overall 4" thick, 4500 PSI	CY	15.00	434.30	6,514
538	Light weight concrete topping, overall 5-1/4" thick, 4500 PSI	CY	4,011.20	434.20	1,741,863
998	Normal weight concrete topping to precast planks, 2" thick, 4500 PSI	CY	93.00	337.80	31,411
539	WWF reinforcement to floor deck	SF	263,591.80	1.30	330,676
540	Float finish to concrete topping	SF	263,591.80	2.90	763,097
572	Moment connection	EA	242.00	723.80	175,148
648	Expansion joint	LF	459.00	120.60	55,367

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
748	Wood floor deck - 2 layers 3/4" FRT plywood subfloor on 2x12 floor joists (Mezz)	SF	1,738.00	57.90	100,630
749	Geofoam rigid insulation (Auditorium stage) - 2'-0" high (none indicated)	SF	2,490.00		Excl.
750	Geofoam rigid insulation (Auditorium slope flooring) (none indicated)	SF	2,755.00		Excl.
542	Allowance for miscellaneous connections and framings	T	179.4180	5,211.00	934,946
543	Allowance for spray applied fireproofing (members only)	SF	248,643.80	3.70	911,775
1647	Allowance for intumescent paint to round HSS columns	SF	944.00	48.30	45,548
2530	Allowance for intumescent paint to bracing	SF	727.00	48.30	35,078
720	Allowance for shear studs	EA	61,875.90	6.30	388,116
722	Allowance for pour stops and bent plates	LF	10,473.00	24.10	252,661
809	Allowance for miscellaneous equipment pads (above ground)	LS	1.00	48,250.00	48,250
2621	Anticipated concrete savings due to Subcontractor input	LS	1.00	-250,000.00	-250,000
2622	Target tonnage reduction (0.25 PSF)	T	-48.7500	5,211.00	-254,036
2623	Anticipated structural steel savings due to Subcontractor input	LS	1.00	-500,000.00	-500,000
2805	Temporary stair and scaffolding	LS	1.00	193,000.00	193,000
B1010 - Floor Construction				43.05/SF	16,382,477
B1020	Roof Construction				
546	Galvanized corrugated roof deck - 3" deep, type N	SF	107,259.50	6.80	724,536
562	Acoustic galvanized corrugated roof deck - 3" deep, type NA (Gym)	SF	11,269.00	14.50	163,119
2386	Acoustic galvanized composite roof deck - 3" deep, type NA (Gym)	SF	876.00	14.50	12,680
558	Galvanized composite metal roof deck - 2" deep, 20GA	SF	15,567.00	5.80	90,133
2387	Galvanized composite metal roof deck - 3" deep, 18GA	SF	2,954.00	7.20	21,380

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2384	Galvanized steel roof deck - 1 1/2" deep, type B, 20 GA	SF	3,154.00	4.80	15,218
2385	Galvanized steel roof deck - 9/16" deep, 20 GA	SF	6,143.00	3.40	20,748
2391	Structural steel roof joist - 68DLHSP1	LF	167.00	178.50	29,814
2390	Structural steel roof joist - 68DLHSP2	LF	1,246.00	178.50	222,442
2389	Structural steel roof joist - 68DLHSP3	LF	416.00	178.50	74,266
2392	Structural steel roof joist - 68DLHSP5	LF	423.00	178.50	75,516
2393	Structural steel roof joist - 68DLHSP4	LF	212.00	178.50	37,847
2735	Structural steel roof joist - 68DLHSP6	LF	845.00	178.50	150,854
2734	Structural steel roof joist - 68DLHSP7	LF	212.00	178.50	37,847
547	Structural steel framing, including beams, columns, bracing	T	802.1710	5,211.00	4,180,110
2394	Galvanized structural steel framing, including beams, columns (Roof Mechanical Equipment)	T	29.1600	5,790.00	168,836
548	Light weight concrete topping, overall 5-1/4" thick, 4500 PSI	CY	215.00	434.30	93,364
2745	Normal weight concrete topping, overall 4-1/2" thick, 4500 PSI	CY	33.00	414.90	13,693
2388	Normal weight concrete topping, overall 7" thick, 4500 PSI	CY	83.00	415.00	34,441
549	WWF reinforcement to floor deck	SF	19,396.00	1.30	24,332
550	Float finish to concrete topping	SF	19,396.00	2.90	56,151
567	Moment connection	EA	425.00	723.80	307,594
551	Allowance for miscellaneous connections and framings	T	83.1320	5,211.00	433,201
688	Allowance for structural framing to roof screen, 8 PSF (none indicated)	T	8.0800		Excl.
649	Expansion joint	LF	177.00	120.60	21,351
719	Allowance for spray applied fireproofing (members only)	SF	147,218.50	3.70	539,850
721	Allowance for shear studs	EA	3,027.00	6.30	18,987
1838	Miscellaneous roof blocking	LS	1.00	77,200.00	77,200
B1020 - Roof Construction				20.09/SF	7,645,510

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
B1080	Stairs				
182	1'-6" High metal guardrail at Rotunda balcony	LF	195.00	96.50	18,818
183	8'-0" High metal guardrail / gate at rooftop playground	LF	96.00	193.00	18,528
299	Wire mesh guardrail	LF	1,162.40		Incl.
1816	Metal guardrail	LF	336.00		Incl.
759	Metal handrail	LF	538.90		Incl.
747	Metal stairs with concrete filled pans and landing - 4'-6" wide	FT/R	30.00	2,750.30	82,508
2446	Metal stairs with concrete filled pans and landing - 4'-9" wide	FT/R	48.00	2,846.80	136,644
661	Metal stairs with concrete filled pans and landing - 5'-0" wide	FT/R	97.00	3,377.50	327,618
2748	Metal stairs with concrete filled pans and landing - 5'-9" wide	FT/R	20.00	3,860.00	77,200
663	Metal stairs with concrete filled pans and landing - 8'-0" wide	FT/R	51.00	6,127.70	312,515
665	Metal stairs with concrete filled pans and landing - 10'-0" wide	FT/R	96.00	7,237.50	694,799
1135	Metal stairs with concrete filled pans and landing - 5'-3" wide (none indicated)	FT/R	97.00		Excl.
662	Metal stairs with concrete filled pans and landing - 5'-6" wide (none indicated)	FT/R	20.00		Excl.
2447	Metal stairs with concrete filled pans and landing - 6'-4" wide (none indicated)	FT/R	20.00		Excl.
2448	Metal stairs with concrete filled pans and landing - 7'-9" wide (none indicated)	FT/R	48.00		Excl.
1134	Metal stairs with concrete filled pans and landing - 8'-3" wide (none indicate)	FT/R	48.00		Excl.
2445	Metal stairs with concrete filled pans and landing - 9'-9" wide (none indicated)	FT/R	48.00		Excl.
1133	Metal stairs with concrete filled pans and landing - 10'-3" wide (none indicated)	FT/R	48.00		Excl.
664	Metal stairs with concrete filled pans and landing - 10'-6" wide (none indicated)	FT/R	48.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1475	Metal stair with handrail and integrated guardrail - 5'-6" wide (none indicated)	FT/R	3.00		Excl.
1679	Concrete stair to Auditorium - 4'-1" wide (none indicated)	FT/R	35.00		Excl.
1680	Access ladder	LF	84.00	106.20	8,917
	B1080 - Stairs			4.41/SF	1,677,547
	B10 - SUPERSTRUCTURE			67.54/SF	25,705,534
B20	EXTERIOR VERTICAL ENCLOSURES				
B2010	Exterior Walls				
22	2" Thick Granite veneer - other than South Main Entry walls	SF	2,912.00		Excl.
2582	Cast stone ILO Granite veneer	SF	2,912.00	48.30	140,504
1651	4" Thick Cast stone veneer	SF	8,752.00	48.30	422,284
29	4" Thick Split face CMU Veneer	SF	36,262.30	38.60	1,399,724
30	Insulated metal panel	SF	15,291.00	86.80	1,328,022
23	Flat-lock metal tile	SF	5,893.00	96.50	568,675
44	Corrugated metal panel	SF	4,181.00	57.90	242,080
1652	Brick veneer	SF	21,855.00	46.30	1,012,323
2562	Extend roof membrane to perimeter wall	SF	2,584.00	11.60	29,923
128	Ceramic steel cladding to entrance columns	SF	178.00	144.80	25,766
1777	8" thick CMU shear walls	SF	14,241.00	38.60	549,703
1137	12" thick CMU shear walls	SF	1,296.00	48.30	62,532
72	8" Thick CMU back-up	SF	411.70	33.80	13,906
71	12" Thick CMU back-up	SF	49.00	43.40	2,128
27	ACM rainscreen system to crown ribs, including back-up	SF	4,198.00	86.80	364,596
150	ACM rainscreen system	SF	5,164.00	86.80	448,493
25	ACM Panel system at cornice	SF	11,052.00	168.90	1,866,406
1663	ACM Band	SF	2,721.00	86.90	236,319
2771	5/8" Thick FRP plywood	SF	2,584.00	6.30	16,208
2546	5/8" Thick gypsum sheathing	SF	92,789.00	3.40	313,395
2543	2" Thick rigid insulation	SF	61,449.90	4.80	296,495

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2544	3" Thick rigid insulation	SF	10,915.90	6.80	73,737
2559	3" Thick batt insulation	SF	32,250.00	3.90	124,485
2555	2 1/2" Thick mineral fiber insulation	SF	8,351.00	3.20	26,593
2563	3 1/2" Thick mineral fiber insulation	SF	13,149.00	3.90	50,755
2556	3 1/2" Thick mineral wool insulation	SF	10,074.00	3.90	38,886
2557	2" Thick closed cell spray foam	SF	54,471.00	3.20	173,463
2558	6" Thick closed cell spray foam	SF	5,161.00	5.80	29,882
2547	8" Light gauge metal stud back-up	SF	2,334.00	15.40	36,037
2548	6" Light gauge metal stud back-up	SF	86,186.00	13.50	1,164,372
2549	4" Light gauge metal stud back-up	SF	10,333.00	10.60	109,685
2550	3 5/8" Light gauge metal stud back-up	SF	10,681.00	10.10	108,226
2551	2 1/2" Light gauge metal stud back-up	SF	5,860.00	8.70	50,894
2560	5/8" Thick gypsum board lining	SF	75,088.00	4.30	326,070
2545	Fluid applied air and vapor barrier	SF	103,937.90	6.30	651,949
190	Allowance for miscellaneous sealing and caulking	SF	166,540.90	1.90	321,424
2853	Granite veneer to main entry South Walls	SF	1,922.00	183.30	352,398
2854	Deduct cast stone veneer	SF	-1,922.00	48.20	-92,736
B2010 - Exterior Walls				33.86/SF	12,885,602
B2020	Exterior Windows				
48	Aluminum curtain wall system, with insulating glass	SF	25,157.60	149.60	3,762,946
49	Aluminum storefront system, with insulating glass	SF	6,248.30	120.60	753,700
212	Aluminum storefront system - none indicated	SF	3,337.00		Excl.
98	Insulated translucent wall panel system with glazed operable sashes	SF	2,891.00	168.90	488,218
1627	Aluminum window system, with insulating glass	SF	8,643.00	120.60	1,042,561
1645	Premium for spandrel glass	SF	4,239.00	9.60	40,906
2575	Premium for bullet resistant glazing	LS	1.00	115,800.00	115,800
2752	Premium for louver	SF	389.00	48.20	18,769
B2020 - Exterior Windows				16.35/SF	6,222,900

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
B2050	Exterior Doors and Grilles				
1227	16'-0" x 13'-4" Motor operated overhead door with insulating glass	EA	1.00	22,195.00	22,195
100	14'-0" x 13'-4" Motor operated overhead door with insulating glass	EA	2.00	18,335.00	36,670
101	12'-0" x 13'-4" Motor operated overhead door with insulating glass	EA	8.00	15,440.00	123,520
1214	8'-0" x 10'-0" Motor operated overhead insulated rolling door	EA	1.00	9,650.00	9,650
2723	9'-4" x 8'-0" Motor operated overhead insulated rolling door	EA	1.00	9,168.00	9,168
134	3'-0" x 7'-0" Single leaf hollow metal door, including frame, finish, and hardware	EA	14.00	1,302.80	18,239
2722	3'-0" x 7'-0" Single leaf hollow metal door w/ 1'-0" x 1'-0" safety glass panel, including frame, finish, and hardware	EA	1.00	1,448.00	1,448
1230	3'-0" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware (at curtain wall)	EA	4.00	5,597.00	22,388
2728	3'-6" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware (at curtain wall)	EA	2.00	6,562.00	13,124
2729	3'-6" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware (at storefront)	EA	2.00	6,562.00	13,124
2727	3'-0" x 7'-10" Single leaf wire mesh door, including frame, finish, and hardware (Rooftop Playground)	EA	1.00		Incl.
1239	2@ 3'-0" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	3.00	11,580.00	34,740
1234	2@ 3'-0" x 7'-4" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	4.00	12,062.50	48,250
2452	2@ 3'-0" x 8'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	2.00	12,545.00	25,090
1235	2@ 3'-4" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	3.00	12,062.70	36,188
1240	2@ 3'-6" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	6.00	12,303.80	73,823
2453	2@ 4'-0" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	1.00	12,545.00	12,545

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
135	2@ 3'-0" x 7'-2" Double leaf hollow metal door, including frame, finish, and hardware	Pair	1.00	2,413.00	2,413
2477	Exterior door sidelight	SF	181.00	96.50	17,467
	B2050 - Exterior Doors and Grilles			1.37/SF	520,042
B2070	Exterior Louvers and Vents				
99	Louver	SF	558.90	96.50	53,934
	B2070 - Exterior Louvers and Vents			0.14/SF	53,934
	B20 - EXTERIOR VERTICAL ENCLOSURES			51.72/SF	19,682,478
B30	EXTERIOR HORIZONTAL ENCLOSURES				
B3010	Roofing				
164	TPO Membrane roofing - Type A; single ply membrane over cover board on 6 1/2" min. roof insulation	SF	71,686.00	28.90	2,075,309
1479	TPO Membrane roofing - Type B; single ply membrane over cover board on 4 1/2" min. tapered roof insulation	SF	68,665.00	28.90	1,987,851
169	Tapered insulation cricket (premium over PVC roofing)	SF	18,047.00	6.80	121,907
158	Metal coping on top of exterior wall (building signage wall)	SF	298.00	72.40	21,568
159	Metal coping on top of exterior wall (Rotunda balcony wall)	SF	770.00	72.40	55,729
174	Metal coping on top of exterior wall (rooftop playground perimeter wall)	SF	257.00	72.40	18,600
349	Extensive green roof	SF	5,059.20	57.90	292,928
354	Rubber roof pavers - none indicated	SF	1,439.00		Excl.
353	Rubber roof tiles (none indicated)	SF	3,823.00		Excl.
191	Allowance for miscellaneous trims and flashings	SF	140,351.00	0.80	108,351
2773	Allowance for temporary roofing	LS	1.00	100,000.00	100,000
2840	Protection board	SF	120,351.00	2.70	325,189
	B3010 - Roofing			13.42/SF	5,107,432
B3020	Roof Appurtenances				
168	Roof hatch	EA	2.00	5,307.50	10,615
1485	Smoke hatch	EA	3.00		Excl.
2782	Synthetic turf	SF	10,834.00	14.50	156,822

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1491	Roof access ladder, 2'-0" wide	LF	18.00	337.80	6,080
181	7'-6" High RTU screen - none indicated	LF	270.00		Excl.
1492	Painted steel protection guardrail, 3'-6" high	LF	238.00	193.00	45,934
1715	Walkway pad	SF	12,312.00	7.70	95,049
	B3020 - Roof Appurtenances			0.83/SF	314,500
B3060	Horizontal Openings				
96	Glazed dome, prefabricated self-supporting insulating glass in aluminum framing - removed from scope	SF	750.00		Excl.
	B3060 - Horizontal Openings				Excl.
B3080	Overhead Exterior Enclosures				
154	ACM Panel system at horizontal entrance soffit / window bay soffit	SF	2,564.00	101.30	259,797
1452	Exterior gypsum board soffit	SF	1,932.00	26.10	50,338
2783	Linear metal ceiling	SF	1,443.00	96.50	139,250
	B3080 - Overhead Exterior Enclosures			1.18/SF	449,385
	B30 - EXTERIOR HORIZONTAL ENCLOSURES			15.43/SF	5,871,317
C10	INTERIOR CONSTRUCTION				
C1010	Interior Partitions				
129	Wire mesh partition - 8'-0" high	LF	214.00	241.30	51,628
2700	Single leaf wire mesh gate	EA	5.00		Incl.
2701	Double leaf wire mesh gate	Pair	7.00		Incl.
1561	CMU partition, 4" thick (Type 4.0)	SF	6,986.20	24.10	168,542
267	CMU partition, 8" thick (Type 8.0)	SF	75,060.50	27.00	2,028,134
2410	CMU partition, 8" thick, 1 hour fire rated (Type 8.1)	SF	5,429.00	33.80	183,364
1562	CMU partition, 8" thick, 2 hour fire rated (Type 8.2)	SF	21,471.00	38.60	828,780
268	CMU partition, 12" thick (Type 12.0)	SF	1,831.00	28.90	53,007
2670	CMU partition, 12" thick, 1 hour fire rated (Type 12.1)	SF	4,012.00	31.40	125,826
1563	CMU partition, 12" thick, 2 hour fire rated (Type 12.2)	SF	649.00	33.80	21,920
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	874.00	16.40	14,338

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
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	60,763.00	18.80	1,143,407
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	50,927.00	20.30	1,032,035
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	54,444.00	22.00	1,197,876
2412	Gypsum board partition - 6" metal stud staggered in 8" metal track with 2 layer 5/8" GWB on both sides with 5" acoustic batt insulation (Type G6.0C)	SF	717.00	26.10	18,681
2413	Gypsum board partition - 6" metal stud with 1 layer 5/8" GWB on both sides with 5" acoustic batt insulation, 1 hour fire rated (Type G6.1)	SF	115.00	21.00	2,419
1550	Gypsum board partition - 6" metal stud with 2 layer 5/8" GWB on both sides with 5" acoustic batt insulation, 1 hour fire rated (Type G6.1B)	SF	3,111.00	24.60	76,554
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	19,584.00	27.50	538,609
2684	Gypsum board partition - 8" metal stud with 1 layer 5/8" abuse resistant GWB on both side (Type G8.0)	SF	260.00	22.20	5,771
459	Gypsum board furring - 7/8" metal stud with 1 layer 5/8" GWB (Type F1.0)	SF	2,045.00	7.20	14,801
2411	Gypsum board furring - 1-5/8" metal stud with 1 layer 5/8" GWB (Type F2.0)	SF	2,878.00	8.20	23,607
1552	Gypsum board furring - 2-1/2" metal stud with 1 layer 5/8" GWB (Type F3.0)	SF	2,675.00	9.20	24,524
410	Gypsum board furring - 3-5/8" metal stud with 1 layer 5/8" GWB (Type F4.0)	SF	34,755.90	10.60	368,934
432	Gypsum board furring - 3-5/8" metal stud with 2 layer 5/8" GWB (Type F4.0A)	SF	8,734.00	13.00	113,782
411	Gypsum board furring - 6" metal stud with 1 layer 5/8" GWB (Type F6.0)	SF	59,252.00	12.10	714,726
413	Gypsum board furring - 6" metal stud with 2 layer 5/8" GWB (Type F6.0A)	SF	40,878.00	14.50	591,709

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2687	Shaft wall - 4" CH stud with 1" Gypsum liner panel one side and 1 layer 5/8" type X GWB another side with 4" acoustic batt insulation, 2 hour fire rated (Type S4.2)	SF	989.00	17.40	17,179
1565	Shaft wall - 6" CH stud with 1" Gypsum liner panel on side and 2 layers 5/8" type X GWB another side with 5 -1/2" acoustic batt insulation, 1 hour fire rated (Type S6.1)	SF	1,236.00	27.50	33,993
433	Shaft wall - 6" CH stud with 1" Gypsum liner panel on side and 2 layers 5/8" type X GWB another side with 5 -1/2" acoustic batt insulation, 2 hour fire rated (Type S6.2)	SF	38,223.00	28.90	1,106,555
1571	Student booth / training wall - 2x4 FRT wood stud with 1 layer 1/2" FRT plywood sheathing on one side	SF	10,803.00	12.10	130,312
488	Allowance for miscellaneous sealing and caulking	SF	409,877.00	0.50	197,766
489	Allowance for miscellaneous fire stopping	SF	409,877.00	0.30	118,659
806	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Masonry Trade)	SF	409,877.00	0.50	197,766
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	409,877.00	0.40	158,213
C1010 - Interior Partitions				29.70/SF	11,303,417
C1020	Interior Windows				
112	Interior door sidelights with safety glass	SF	4,240.00	57.90	245,496
153	Interior storefront	SF	4,409.00	106.10	468,015
166	Interior fixed borrowed lights	SF	1,045.00	62.70	65,548
137	Interior security transaction window - 4'-0" x 6'-0"	EA	1.00	1,930.00	1,930
155	Interior curtain wall - 2 hour fire rated	SF	1,722.00	241.30	415,433
2808	Interior curtain wall	SF	2,018.00	139.90	282,369
794	Premium for color art glass panels - none indicated	SF	177.00		Excl.
2824	Interior ballistic premium	LS	1.00	25,000.00	25,000
C1020 - Interior Windows				3.95/SF	1,503,791
C1030	Interior Doors				
102	3'-0"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware	EA	49.00	1,515.00	74,237

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2455	3'-0"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware (45 min fire-rated)	EA	5.00	1,688.80	8,444
1287	3'-0"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware (90 min fire-rated)	EA	6.00	1,785.30	10,712
2454	3'-6"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware	EA	1.00	1,785.00	1,785
2731	3'-0"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware with 1'-0"x1'-0" safety glass vision panel (45 min fire-rated)	EA	4.00	1,881.80	7,527
1320	3'-0"x7'-0" Single leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	EA	8.00	2,774.40	22,195
1323	3'-6"x7'-0" Single leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	EA	2.00	3,160.50	6,321
1263	3'-0"x4'-0" Single leaf wooden doors, including frame, finish and hardware	EA	2.00	1,013.50	2,027
106	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware	EA	292.00	1,780.40	519,884
2456	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware (45 min fire-rated)	EA	1.00	1,882.00	1,882
1262	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware (90 min fire-rated)	EA	23.00	2,026.50	46,610
1270	3'-6"x7'-0" Single leaf wooden doors, including frame, finish and hardware	EA	3.00	2,074.70	6,224
1275	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware with 2'-0"x2'-11" safety glass vision panel	EA	6.00	2,364.30	14,186
1283	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	EA	1.00	2,364.00	2,364
1215	3'-0"x7'-0" Single leaf wooden safety glazed doors, including frame, finish and hardware	EA	1.00	2,364.00	2,364
2459	3'-0"x7'-0" Single leaf wire mesh doors, including frame, finish and hardware	EA	1.00	1,448.00	1,448
1339	3'-4"x7'-7" Single leaf wire mesh doors, including frame, finish and hardware	EA	1.00	1,641.00	1,641

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1338	4'-0"x7'-7" Single leaf wire mesh doors, including frame, finish and hardware	EA	2.00	1,978.50	3,957
2462	3'-0" x 3'-6" Glass rail gate (Multi-Purpose RM Balcony)	EA	2.00	820.50	1,641
103	2@3'-0"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware	Pair	12.00	2,895.00	34,740
1289	2@3'-0"x7'-2" Double leaf hollow metal doors, including frame, finish and hardware	Pair	5.00	2,991.60	14,958
2469	2@3'-0"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware (45 min fire-rated)	Pair	1.00	3,185.00	3,185
1288	2@3'-0"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware (90 min fire-rated)	Pair	10.00	3,377.50	33,775
2467	2@3'-0"x7'-2" Double leaf hollow metal doors, including frame, finish and hardware (90 min fire-rated)	Pair	3.00	3,474.00	10,422
2736	2@3'-0"x7'-2" Double leaf hollow metal doors, including frame, finish and hardware (45 min fire-rated)	Pair	2.00	3,281.00	6,562
1291	2@3'-6"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware	Pair	1.00	3,378.00	3,378
2474	2@3'-6"x7'-2" Double leaf hollow metal doors, including frame, finish and hardware	Pair	1.00	3,474.00	3,474
1292	2@3'-10"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware	Pair	1.00	3,715.00	3,715
2470	2@3'-10"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware (45 min fire-rated)	Pair	1.00	4,101.00	4,101
2737	2@3'-10"x8'-0" Double leaf hollow metal doors, including frame, finish and hardware (90 min fire-rated)	Pair	2.00	4,873.50	9,747
2740	2@3'-0"x7'-2" Double leaf hollow metal doors, including frame, finish and hardware with 2'-0"x4" safety glass vision panel (90 min fire-rated)	Pair	2.00	6,948.00	13,896
2475	2@3'-0"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware with 2'-0"x2'-11" safety glass vision panel	Pair	1.00	4,101.00	4,101

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2476	2@3'-10"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware with 2'-0"x2'-11" safety glass vision panel	Pair	1.00	5,549.00	5,549
1318	2@3'-0"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	Pair	3.00	5,548.70	16,646
1319	2@3'-0"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel (90 min fire-rated)	Pair	2.00	9,264.00	18,528
2473	2@3'-0"x7'-3" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	Pair	2.00	5,790.00	11,580
1326	2@3'-3"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	Pair	1.00	5,790.00	5,790
105	2@3'-6"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	Pair	4.00	6,272.50	25,090
2466	2@3'-6"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel (90 min fire-rated)	Pair	2.00	9,650.00	19,300
1330	2@3'-10"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel (90 min fire-rated)	Pair	2.00	10,470.50	20,941
2739	2@2'-4"x7'-0" Double leaf wooden doors, including frame, finish and hardware	Pair	1.00	2,606.00	2,606
107	2@3'-0"x7'-0" Double leaf wooden doors, including frame, finish and hardware	Pair	23.00	3,377.50	77,683
1278	2@3'-0"x7'-0" Double leaf wooden doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	Pair	2.00	4,584.00	9,168
1266	2@3'-0"x7'-0" Double leaf wooden doors, including frame, finish and hardware (90 min fire-rated)	Pair	7.00	3,860.00	27,020
2738	2@3'-6"x7'-0" Double leaf wooden doors, including frame, finish and hardware	Pair	5.00	3,932.40	19,662
2468	2@3'-6"x7'-0" Double leaf wooden doors, including frame, finish and hardware (90 min fire-rated)	Pair	2.00	4,342.50	8,685

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2472	2@3'-10"x7'-0" Double leaf wooden doors, including frame, finish and hardware (45 min fire-rated)	Pair	2.00	2,171.50	4,343
1271	2@3'-0"x7'-2" Double leaf wooden doors, including frame, finish and hardware	Pair	3.00	3,459.70	10,379
1272	2@3'-0"x8'-0" Double leaf wooden doors, including frame, finish and hardware	Pair	6.00	3,860.00	23,160
2471	2@3'-0"x8'-0" Double leaf wooden doors, including frame, finish and hardware (45 min fire-rated)	Pair	1.00	4,053.00	4,053
2741	2@3'-0"x7'-0" Double leaf wooden doors, including frame, finish and hardware with 2'-0"x4" safety glass vision panel (90 min fire-rated)	Pair	1.00	3,715.00	3,715
2742	2@3'-0"x7'-2" Double leaf wooden doors, including frame, finish and hardware with 2'-0"x4" safety glass vision panel (90 min fire-rated)	Pair	2.00	3,812.00	7,624
2743	2@3'-0"x7'-0" Double leaf wire mesh doors, including frame, finish and hardware	Pair	2.00	3,136.50	6,273
2744	2@3'-0"x7'-2" Double leaf wire mesh doors, including frame, finish and hardware	Pair	2.00	3,136.50	6,273
1341	2@3'-6"x7'-0" Double leaf wire mesh doors, including frame, finish and hardware	Pair	3.00	3,039.70	9,119
1342	2@3'-6"x7'-2" Double leaf wire mesh doors, including frame, finish and hardware	Pair	2.00	3,136.50	6,273
1344	2@3'-7"x7'-0" Double leaf wire mesh doors, including frame, finish and hardware	Pair	1.00	3,136.00	3,136
1343	2@3'-7"x7'-2" Double leaf wire mesh doors, including frame, finish and hardware	Pair	1.00	3,136.00	3,136
1345	2@3'-8"x7'-0" Double leaf wire mesh doors, including frame, finish and hardware	Pair	1.00	3,233.00	3,233
C1030 - Interior Doors				3.26/SF	1,240,468
C1040	Interior Grilles and Gates				
2458	6'-0" x 10'-0" Rolling security grille door	EA	4.00	14,475.00	57,900
113	4'-6" x 3'-10" Overhead coiling stainless steel counter door	EA	1.00	3,860.00	3,860
2732	10'-0" x 9'-0" Fire-rated partition / door (2-hr fire-rated)	EA	8.00	28,950.00	231,600
2733	10'-0" x 10'-0" Fire-rated partition / door (2-hr fire-rated)	EA	2.00	32,810.00	65,620

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2463	8'-3" x 12'-0" Fire-rated folding partition / door (2-hr fire-rated)	EA	2.00	33,775.00	67,550
2460	14'-8" x 10'-0" Fire-rated partition / door (2-hr fire-rated)	EA	1.00	48,250.00	48,250
2464	42'-0" x 15'-0" Curved fire-rated folding partition / door (2-hr fire-rated)	EA	1.00	289,500.00	289,500
C1040 - Interior Grilles and Gates				2.01/SF	764,280
C1090	Interior Specialties				
277	Restroom accessories - Toilet partition	EA	31.00	1,254.50	38,890
287	Restroom accessories - Toilet partition, ADA	EA	14.00	1,640.50	22,967
302	Restroom accessories - Urinal partition	EA	15.00	675.50	10,133
280	Restroom accessories - Tissue paper dispenser	EA	88.00	120.60	10,615
281	Restroom accessories - Grab bar	EA	57.00	173.70	9,901
305	Restroom accessories - Shower grab bar	Set	10.00	434.30	4,343
282	Restroom accessories - Napkin disposal	EA	69.00	482.50	33,293
283	Restroom accessories - Robe hook	EA	88.00	96.50	8,492
284	Restroom accessories - Soap dispenser	EA	65.00	144.80	9,409
285	Restroom accessories - Shower curtain and rod	EA	10.00	193.00	1,930
304	Restroom accessories - Shower seat	EA	10.00	579.00	5,790
291	Restroom accessories - Framed mirror	EA	65.00	772.00	50,180
292	Restroom accessories - Towel dispenser/waste receptacle	EA	69.00	820.20	56,597
303	Restroom accessories - Baby changing table - none indicated	EA	5.00		Excl.
1815	Wire mesh guardrail to Shop Mezz	LF	252.00	308.80	77,818
1537	Metal guardrail to Mezzanine	LF	363.00	289.50	105,089
802	Metal railing to auditorium - none indicated	LF	167.00		Excl.
301	Glass guardrail (Second Floor Corridor)	LF	231.00	559.70	129,291
754	Allowance for elevator pit ladder, cover, etc	EA	2.00	4,825.00	9,650
319	Allowance for markerboards - 4'x4'	EA	37.00	217.10	8,034
339	Allowance for markerboards - 6'x4'	EA	39.00	337.70	13,172
1533	Allowance for markerboards - 8'x4'	EA	3.00	453.70	1,361

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1534	Allowance for markerboards - 10'x4'	EA	12.00	559.70	6,716
320	Allowance for tackboards - 4'x4'	EA	41.00	164.00	6,726
335	Allowance for tackboards - 8'x4'	EA	4.00	318.50	1,274
1535	Allowance for tackboards - 12'x4'	EA	2.00	482.50	965
321	Allowance for visual display rails	Item			9,650
329	Metal lockers - 2 tier 15"x15" (Corridors)	EA	354.00	772.00	273,288
2509	Metal lockers - 2 tier 15"x15" (Team Locker / Auto Collision)	EA	255.00	772.00	196,860
2510	Metal lockers - 3 tier 15"x15" (Locker / Shops)	EA	481.00	675.50	324,916
2478	Mirror (Fitness)	SF	462.00	33.80	15,604
2772	Mirror (Dressing)	SF	93.00	33.80	3,141
753	Allowance for janitor accessories	EA	12.00	723.80	8,685
327	Allowance for cubicle curtain at nurse's area	EA	2.00	1,737.00	3,474
1547	Allowance for cubicle curtain at Health /Medical Assisting	EA	15.00	1,737.00	26,055
328	Allowance for corner guards	Item			7,720
331	Allowance for closet and utility shelving	Item			5,790
332	Allowance for AED with cabinets	EA	12.00	1,930.00	23,160
293	Allowance for miscellaneous metals	SF	409,877.00	1.00	395,531
294	Allowance for rough carpentry	SF	409,877.00	0.80	316,425
295	Allowance for wood blocking	SF	409,877.00	1.30	514,191
296	Allowance for fire extinguisher and cabinets	EA	163.90	820.30	134,439
297	Allowance for interior signage	SF	409,877.00	0.90	355,978
298	Allowance for exterior signage	Item			14,475
807	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	409,877.00	0.40	158,213
2505	Glass guardrail (Stair 1)	LF	108.00	559.70	60,448
2508	Glass guardrail (Multi-purpose RM)	LF	189.00	559.70	105,783
C1090 - Interior Specialties				9.40/SF	3,576,462
C10 - INTERIOR CONSTRUCTION				48.32/SF	18,388,418

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
C20	INTERIOR FINISHES				
C2010	Wall Finishes				
2750	Hardwood pilaster cap (Gym)	LF	67.00	48.30	3,233
141	Ceramic tile	SF	25,414.30	21.20	539,546
142	Thin porcelain tile	SF	21,279.00	24.10	513,356
144	Wood veneer panels (Media Center)	SF	4,760.00	62.70	298,571
1678	Phenolic resin panel system	SF	1,685.00	82.00	138,212
1810	Wood fiber acoustical panels	SF	4,542.00	82.00	372,558
782	Fabric wrap acoustical panel (Multi-Purpose RM)	SF	2,269.00	48.20	109,479
147	Decorative fabric metal panels (Stage) - none indicated	SF	474.00		Excl.
2479	2" Granite veneer panel	SF	214.00	106.10	22,716
148	FRP panels	SF	6,573.00	24.10	158,574
170	Prepare and apply epoxy paint	SF	204,186.10	3.40	689,637
172	Prepare and apply paint to GWB	SF	323,094.90	1.30	405,323
841	Plastic laminate window sills	LF	2,334.60	72.40	168,967
1670	Metal column cover	SF	304.00	130.30	39,604
C2010 - Wall Finishes				9.09/SF	3,459,776
C2030	Flooring				
2	ASF, Rubber athletic flooring	SF	2,595.00	19.30	50,084
3	CPT-1, Carpet	SY	644.00	67.50	43,502
2375	CPT-2, Carpet	SY	905.00	67.60	61,133
1418	RC, Resilient carpet	SF	2,936.00	5.80	16,999
1398	PP, Porcelain floor tiles	SF	15,115.00	28.90	437,579
4	CMT, Ceramic mosaic tile	SF	4,429.00	19.30	85,480
5	SCONC, Sealed concrete	SF	87,611.40	1.40	126,817
6	EF, Epoxy flooring and base	SF	10,980.40	14.50	158,941
8	FGC, Foot grille carpet	SF	923.00	67.60	62,349
9	LIN, Linoleum	SF	124,004.00	9.60	1,196,638
2380	SV, Sheet vinyl	SF	11,496.00	11.60	133,124
2376	MULT, Sheet vinyl - multipurpose	SF	10,037.00	11.60	116,228

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
18	SV-SR, Sheet vinyl - slip resistant	SF	402.00	11.60	4,655
1401	LVT, Luxury vinyl tile	SF	2,373.00	7.70	18,320
19	WOC1, Walk off carpet	SY	310.00	62.70	19,445
20	WAF, Wood athletic flooring	SF	10,116.00	19.30	195,239
10	Resilient base	LF	38,445.30	4.80	185,499
1744	Sheet vinyl base	LF	2,844.00	4.80	13,722
1707	Porcelain tile base	LF	835.00	24.10	20,144
11	Ceramic tile base	LF	2,872.00	19.30	55,430
2482	6" Tall pre-cast terrazzo base - excluded	LF	933.00		Excl.
2483	Millwork base	LF	191.00	28.90	5,529
815	High performance adhesive, resilient flooring	SF	150,905.00	1.40	218,435
2631	High performance adhesive, non-resilient flooring	SF	29,768.00	1.40	43,089
C2030 - Flooring				8.59/SF	3,268,381
C2040	Stair Finishes				
15	RR-L, Photoluminescent rubber stair treads, risers, and landings	SF	9,996.00	24.10	241,154
2660	Terrazzo stair treads, risers, and landings - excluded	SF	1,024.00		Excl.
2665	Concrete sealer (Mezz. stairs)	SF	181.00	4.80	873
C2040 - Stair Finishes				0.64/SF	242,027
C2050	Ceiling Finishes				
31	Acoustic ceiling (ACT-1) - 2' x 2' NRC acoustic ceiling tile	SF	174,259.30	7.70	1,345,280
32	Acoustic ceiling (ACT-2) - 2' x 2' Washable acoustic ceiling tile	SF	5,633.00	7.70	43,487
33	Acoustic ceiling (ACT-3) - 2' x 2' NRC tegular acoustic ceiling tile	SF	12,940.90	7.70	99,904
34	Acoustic ceiling (ACT-4) - 2' x 6' NRC tegular acoustic ceiling tile	SF	4,685.00	11.60	54,252
1447	Acoustic ceiling (ACT-5)	SF	4,499.00	11.60	52,098
46	Acoustic preformed ceiling panels at Media Center	SF	1,852.00	62.70	116,167
1455	Acoustic ceiling reflector at Stage	SF	332.00	91.70	30,436
37	Gypsum board ceiling	SF	18,292.30	19.30	353,041

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
41	Gypsum board ceiling, moisture resistant	SF	6,915.70	24.10	166,841
38	LMC-2, Linear metal ceiling with wood appearance	SF	9,980.00	62.70	625,995
2669	Wood paneling ceiling (IWP)	SF	647.00	62.70	40,583
39	Paint to gypsum board ceiling	SF	35,970.20	1.40	52,067
2407	Suspended pipe rail ceiling system (Multi Purpose RM)	SF	3,290.00	14.50	47,623
40	Paint to exposed ceiling	SF	71,288.70	2.20	158,225
42	Sound isolator 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	54,534.00	24.60	1,341,944
75	Allowance for gypsum board soffit - allow 20% of GWB	SF	8,580.00	24.10	206,993
2406	4" Metal suspension trim	LF	428.00	48.30	20,651
C2050 - Ceiling Finishes				12.50/SF	4,755,587
C20 - INTERIOR FINISHES				30.81/SF	11,725,771
D10	CONVEYING				
D1010	Vertical Conveying Systems				
687	Traction passenger elevator, 5 stops, open both sides, 3500 pounds	EA	1.00	458,375.00	458,375
2511	Traction service elevator, 4 stops, 5000 pounds	EA	1.00	347,400.00	347,400
1791	Allowance for elevator usage to support miscellaneous trades	LS	1.00		Excl.
2512	Elevator car allowance (per section 14150)	EA	2.00	25,000.00	50,000
2807	Operator time/fees for other trades	LS	1.00	100,000.00	100,000
D1010 - Vertical Conveying Systems				2.51/SF	955,775
D10 - CONVEYING				2.51/SF	955,775
D20	PLUMBING				
D2010	Domestic Water Distribution				
1886	Plumbing Fixtures	Note			
2072	P-1, Water Closet - Flush Valve - Wall Mounted	EA	33.00	1,640.50	54,137
2073	P-1A, Water Closet - Flush Valve - Wall Mounted, accessible	EA	57.00	1,785.20	101,759
2074	P-2, Urinal - Wall Hung	EA	8.00	1,544.00	12,352

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2075	P-2A, Urinal - Wall Hung, accessible	EA	7.00	1,640.60	11,484
2076	P-3A, Lavatory - Rectangular - Wall Mounted 19X17	EA	54.00	1,399.30	75,560
2077	P-3B, Basin Type Lavatory - Oval	EA	7.00	1,206.30	8,444
2078	P-3C, Restroom Lavatory - Oval	EA	9.00	1,206.20	10,856
2636	P-3D, Circular Lavatory	EA	1.00	6,273.00	6,273
2079	P-4, Mop Receptor	EA	10.00	1,544.00	15,440
2404	P-4A, Mop Receptor, accessible	EA	2.00	1,640.50	3,281
2080	P-5, Drinking Fountain - Recessed	EA	10.00	2,702.00	27,020
2081	P-5A, Drinking Fountain - Bi-Level - Wall Mounted	EA	8.00	3,667.00	29,336
2082	P-6, Shower Base	EA	7.00	2,412.60	16,888
2381	P-6A, Shower, accessible	EA	4.00	3,377.50	13,510
2083	P-7, Emergency Eye Wash	EA	9.00	1,447.60	13,028
2084	P-8, Emergency Eyewash-Shower	EA	4.00	2,123.00	8,492
2637	P-8A, Emergency Eyewash-Shower	EA	10.00	3,377.50	33,775
2638	P-9, Emergency Eyewash-Shower	EA	9.00	3,860.00	34,740
2639	P-10, Utility sink	EA	3.00	1,447.70	4,343
2640	P-11, Hand sink	EA	2.00	1,158.00	2,316
2085	PX-1, Sink - Casework Sink - Furnished by others - Install only	EA	49.00	434.20	21,278
2086	PX-2, Sink - Casework Sink with Eyewash- Furnished by others - Install only	EA	6.00	434.30	2,606
2087	PX-3, Sink - Cosmetology Sink - Furnished by others - Install only	EA	15.00	434.30	6,514
2088	PX-4, Sink - Science Room Sink - Furnished by others - Install only	EA	45.00	434.20	19,541
2089	PX-5, Sink - Lab Sink - Furnished by others - Install only	EA	31.00	434.30	13,462
2090	PX-6, Dental Station - Furnished by others - Install only	EA	18.00	579.00	10,422
2095	Allowance for missing/ miscellaneous plumbing fixtures(Main building building)	SF	409,877.00	0.20	79,106
447	Water Distribution and Components	Note			
2099	Connection to main(6")- (Main building)	EA	1.00	1,158.00	1,158

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2103	Capped-HW & CW connection(pg-9/note-5)	EA	2.00	289.50	579
2104	Plumbing fixture- hook up(domestic water)	EA	254.00	386.00	98,044
2105	Kitchen equipment - hook up(water)	EA	118.00	482.50	56,935
2106	Laboratory sink- hook up(water)	EA	146.00	579.00	84,534
2107	PX-6, Dental station- hook up(1/2" CW)	EA	18.00	579.00	10,422
2108	RB07, Water -hook up c/w BFP(1")	EA	1.00	772.00	772
2112	6", water meter and backflow preventer assembly	EA	1.00	12,545.00	12,545
2113	DWP-1, Domestic water triplex booster pump (Syncroflo)	EA	1.00	82,025.00	82,025
453	Chlorine/PH monitor system with 100 gal. tanks - (allowance) - none indicated	EA	1.00	9,650.00	9,650
458	Chlorine/PH monitor system with 200 gal. tanks - (allowance) - none indicated	EA	1.00	17,370.00	17,370
2685	Chlorine/PH monitor system with 400 gal. reactor tanks	EA	2.00	33,775.00	67,550
2686	Chemical storage tanks, 30 gal.	EA	2.00	2,412.50	4,825
2115	Backflow preventer(for NPCW to science rooms)	EA	1.00	1,448.00	1,448
2116	1/2", Stacked reduced pressure backflow preventer(to serve janitors sink)(pg-21)	EA	2.00	579.00	1,158
2117	1/2", Stacked reduced pressure backflow preventer (allowance)(pg-13)	EA	4.00	772.00	3,088
2644	3/4", Stacked reduced pressure backflow preventer	EA	2.00	3,377.50	6,755
2118	2", Stacked reduced pressure backflow preventer (allowance)(pg-12) - none indicated	EA	2.00		Excl.
2119	2", Stacked reduced pressure backflow preventer (allowance)(pg-16) - none indicated	EA	2.00		Excl.
2646	1", Reduced pressure backflow preventer	EA	2.00	1,447.50	2,895
2120	EWB-1, Electric storage water heater(Durawatt-460), 90 kW	EA	2.00	79,612.50	159,225
2121	EWB-2, Electric storage water heater(Durawatt-270), 54 kW	EA	2.00	40,530.00	81,060
2122	EWB-3, Electric storage water heater(DSE-120), 54 kW	EA	1.00	25,341.00	25,341

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2123	EWB-4, Electric storage water heater(Durawatt-550), 108 kW	EA	2.00	79,547.00	159,094
2124	EWB-5, Electric storage water heater(DSE-30), 6 kW	EA	1.00	6,273.00	6,273
2641	EWB-6, Electric storage water heater(DSE-40), 3 kW	EA	1.00	3,860.00	3,860
2125	Electric water heaters (serving plumbing vocational shop)(pg-8)	EA	2.00		Incl.
2126	Ceiling hung Electric water heater(serving toilet rooms & duplicating room sink)	EA	1.00		Incl.
2127	Gas fired water heater(serving plumbing/pipe fitting shop), 130 Gal, 400 CFH(PVI conquest condensing water heater)(pg-9)	EA	2.00	38,285.00	76,570
2642	Gas fired water heater(serving HVAC Tech shop), 150 CFH, Navien #NPE-180A2	EA	1.00	5,018.00	5,018
2131	Temperature maintenance re-heater for NPHW system - none indicated	EA	1.00		Excl.
2132	HWRP, Recirculation pump	EA	12.00	2,412.50	28,950
2133	ET, Expansion tank	EA	12.00	482.50	5,790
2134	Mixing valve(serving water heaters)	EA	12.00	482.50	5,790
2135	Dual mixing valve assembly - none indicated	EA	1.00		Excl.
2645	TX mixing valve assembly	EA	1.00	965.00	965
2136	Triple mixing valve assembly	EA	1.00	965.00	965
2137	Thermostatic mixing valve(serving kitchen- hand sink) (pg-29- fixture schedule)	EA	11.00	386.00	4,246
2138	Emergency mixing valve(serving emergency eye wash)	EA	2.00	386.00	772
2139	Emergency mixing valve(serving emergency shower/ eye wash) - none indicated	EA	2.00		Excl.
2140	Housekeeping pad(to be carried elsewhere in this estimate)	Note			Excl.
2513	Trap seal primer c/w tubing	EA	114.00	289.50	33,003
2141	HB, Hose bib	EA	24.00	289.50	6,948
2142	WH, Non freeze wall hydrant	EA	14.00	482.50	6,755
2145	1/2" to 1", copper distribution c/w fittings, supports etc.	LF	11,690.00	22.20	259,460

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2146	1-1/4" to 1-1/2", copper distribution c/w fittings, supports etc.	LF	1,935.00	38.60	74,691
2147	2" to 3",copper distribution c/w fittings, supports etc.	LF	3,499.00	99.40	347,783
2148	4",copper distribution c/w fittings, supports etc.	LF	407.00	207.50	84,442
2149	6",copper distribution c/w fittings, supports etc.	LF	91.00	453.50	41,273
2150	Thermal pipe insulation - 1/2" to 1" copper pipe	LF	11,690.00	6.30	73,326
2151	Thermal pipe insulation - 1-1/4" to 1-1/2" copper pipe	LF	1,935.00	12.50	24,275
2152	Thermal pipe insulation - 2" to 3",copper distribution	LF	3,499.00	19.30	67,531
2153	Thermal pipe insulation - 4",copper distribution	LF	407.00	24.10	9,819
2154	Thermal pipe insulation - 6",copper distribution	LF	91.00	33.80	3,074
2158	Water meter c/w bfp assembly- c/w service bypass hook up(6")	EA	1.00	9,168.00	9,168
2159	Triplex booster pump- hook up	EA	1.00	3,860.00	3,860
2514	Chlorine/PH monitor system- hook up	EA	4.00	723.80	2,895
2160	Neutralization system- hook up	EA		8,000.00	0
2161	Gas fired water heater- hook up	EA	3.00	723.70	2,171
2162	Electric water heater- hook up(small)	EA	2.00	531.00	1,062
2164	Electric water heater- hook up(large)	EA	7.00	723.70	5,066
2166	NPHW temperature maintenance station- hook up - none indicated	EA	1.00		Excl.
2167	Circulating pump - hook up	EA	12.00	723.80	8,685
2168	Expansion tank - hook up	EA	12.00	289.50	3,474
2169	Mixing valve - hook up	EA	27.00	482.50	13,028
2170	RBFP- hook up	EA	11.00	530.70	5,838
1373	Hookup - plumbing	EA	38.00	627.30	23,836
2171	Student plumbing booth- hook up(water)(pg-9/note-4) (allowance)	EA	2.00	386.00	772
2172	Allowance for missing/ miscellaneous domestic water system c/w fixture rough in, hot & cold water piping, non-potable piping, tempered piping etc.(Main building)	SF	409,877.00	0.30	118,659
2176	Subcontractor GCs/GRs	Item			201,685
D2010 - Domestic Water Distribution				8.13/SF	3,094,214

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D2020	Sanitary Drainage				
2177	Connection to main	EA	17.00	723.80	12,304
2178	Plumbing fixture - hook-ups(sanitary & vent)	EA	254.00	482.50	122,555
2179	Kitchen equipment - hook up(sanitary/indirect waste & vent)	EA	68.00	386.00	26,248
2180	Laboratory sink- hook up(acid waste & vent)	EA	146.00	579.00	84,534
2181	PX-6, Dental station- hook up(waste & vent)	EA	18.00	386.00	6,948
2187	Local grease trap GT-1, 35/50 gpm	EA	3.00	10,615.00	31,845
2317	Local grease trap GT-2, 50/75 gpm	EA	1.00	21,230.00	21,230
2186	Local grease trap, 35 gpm	EA	3.00		Incl.
2183	Grease trap for triple sink, 50 gpm	EA	3.00		Incl.
2185	Gas/ oil interceptor (for garage drainage system)	EA	5.00	19,300.00	96,500
2647	Oil/ water separator	EA	1.00	9,650.00	9,650
2191	Gas/ oil separator	EA	3.00	7,720.00	23,160
2480	Condensate pump (assumed one per each FCU and AC units)	EA	316.00	289.50	91,482
2192	Trench drain(serving auto collision/auto technology & metal fabrication areas)	LF	190.00	337.80	64,173
2194	FD, Floor drain	EA	136.00	434.30	59,058
2195	Condensate receptor	EA	25.00	482.50	12,063
2196	Kitchen grate	EA	30.00		Incl.
2197	CO, Clean out	EA	110.00	337.80	37,153
2198	Clean out (serving acid waste)	EA	10.00	434.30	4,343
2205	1-1/2", Sanitary piping c/w fittings - Ag	LF	75.00	36.70	2,750
2206	2", Sanitary piping c/w fittings - Ag	LF	1,225.90	38.60	47,320
2207	3", Sanitary piping c/w fittings - Ag	LF	826.10	43.40	35,874
2208	4", Sanitary piping c/w fittings - Ag	LF	1,859.00	48.30	89,697
2676	5", Sanitary piping c/w fittings - Ag	LF	71.00	53.10	3,768
2212	2", Sanitary piping c/w fittings - Bg	LF	69.70	38.60	2,690
2213	3", Sanitary piping c/w fittings - Bg	LF	131.60	43.40	5,715
2214	4", Sanitary piping c/w fittings - Bg	LF	4,050.80	48.20	195,451

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2680	5", Sanitary piping c/w fittings - Bg	LF	96.00	53.10	5,095
2215	6", Sanitary piping c/w fittings - Bg	LF	817.40	57.90	47,327
2217	2", Acid waste drainage PP piping- Single containment c/w fittings-Ag	LF	423.00	62.70	26,533
2218	3", Acid waste drainage PP piping- Single containment c/w fittings-Ag	LF	71.00	86.80	6,166
2219	4", Acid waste drainage PP piping- Single containment c/w fittings-Ag	LF	243.00	115.80	28,139
2263	No excavation & backfill- assumed	Note			Excl.
2262	No cutting and patching assumed	Note			Excl.
2383	8", Radon mitigation vent riser from below slab	EA	16.00		Incl.
2225	Allowance for vent piping	LS	1.00	231,600.00	231,600
1296	1-1/2" to 2", Vent c/w fittings, supports, etc, ag	LF	2,863.70	43.40	124,357
2683	3", Vent c/w fittings, supports, etc, ag	LF	4,423.00	43.40	192,069
2682	4", Vent c/w fittings, supports, etc, ag	LF	2,306.60	48.20	111,293
2681	8", Vent c/w fittings, supports, etc, ag	LF	193.00	72.40	13,968
1304	1-1/2" to 2", Vent piping, bg	LF	711.20	48.20	34,315
2673	3", Vent piping, bg	LF	657.90	43.40	28,569
2674	4", Vent piping, bg	LF	261.70	48.20	12,627
2229	8", Vent piping c/w fitting, support, etc (radon mitigation) (Riser from lower slab till roof serving every 10,000 SF)	LF	1,092.00	62.70	68,496
2230	Allowance for acid vent piping	LS	1.00	135,100.00	135,100
2671	2", Acid vent piping c/w fittings - Ag	LF	937.00	62.70	58,773
2672	4", Acid vent piping c/w fittings - Ag	LF	77.00	115.80	8,917
2400	Student plumbing booth- hook up(drain)(pg-9/note-4) - none indicated	EA	3.00		Excl.
2234	Allowance for missing/ miscellaneous sanitary drainage system c/w piping, vents, ejectors, clean-out, acid waste, etc.(Main building)	SF	409,877.00	0.30	118,659
2238	Subcontractor GCs/GRs	Item			120,625
2749	PH-1, Neutralization system for science rooms	EA	1.00	77,200.00	77,200
D2020 - Sanitary Drainage				6.66/SF	2,536,339

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D2030	Building Support Plumbing Systems				
1883	Connection to main	EA	11.00	723.70	7,961
1884	SP-1, Simplex elevator pit sump pump, 50 gpm	EA	1.00	7,238.00	7,238
1885	SP-2, Simplex elevator pit sump pump, 50 gpm	EA	1.00	7,238.00	7,238
2240	Scupper type drains(at low roof)/(pg-24/note-1)	EA	10.00	482.50	4,825
2241	3" TD, Terrace drain c/w grate (none indicated)	EA	4.00		Excl.
2242	4" RD/OFD, Roof Drain/ Overflow drain	EA	108.00	1,158.00	125,064
2243	6" RD/OFD, Roof Drain/ Overflow drain	EA	1.00	1,255.00	1,255
2244	Flat grate under pavers(serving roof drains)(pg-10)	EA	2.00	193.00	386
2245	Clean out	EA	120.00	337.80	40,530
2246	4", Storm drain piping c/w fittings, supports - Ag	LF	4,041.40	48.30	194,998
2247	6", Storm drain piping c/w fittings, supports - Ag	LF	2,495.00	106.10	264,844
2248	8", Storm drain piping c/w fittings, supports - Ag	LF	266.00	173.70	46,204
2250	4", Storm drain piping c/w fittings, supports - Bg	LF	156.00	55.00	8,581
2251	6", Storm drain piping c/w fittings, supports - Bg	LF	475.80	96.50	45,915
2252	8", Storm drain piping c/w fittings, supports - Bg	LF	618.00	137.00	84,685
2253	10", Storm drain piping c/w fittings, supports - Bg	LF	304.00	179.50	54,565
2254	No excavation & backfill- assumed	Note			Excl.
2255	No cutting and patching assumed	Note			Excl.
2256	Elevator pit sump pump- hook up	EA	2.00	1,447.50	2,895
2257	Allowance for missing/ miscellaneous storm water drainage system(Main building)	SF	409,877.00	0.20	79,106
2261	Subcontractor GCs/GRs	Item			68,515
	D2030 - Building Support Plumbing Systems			2.75/SF	1,044,805
D2050	General Service Compressed-Air				
1893	AC-1, Air compressor(auto collision/ metal fabrication) c/w receiver & dryer	EA	1.00	51,577.00	51,577
1898	AC-2, Air compressor c/w tank (Votech shops)	EA	1.00	31,876.00	31,876
1900	AC-3, Air compressor c/w tank (Biotech shops)	EA	1.00	37,461.00	37,461
2265	AC-4, Air compressor c/w tank (Robotics)	EA	1.00	18,335.00	18,335
2264	AC-5, Air compressor c/w tank (Dental)	EA	1.00	75,753.00	75,753

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1901	AC-4, Air compressor c/w tank (Draft and design) - none indicated	EA	2.00		Excl.
2266	400 gal, Air receiver tank(serving AC-1)	EA	1.00		Incl.
2657	200 gal, Air receiver tank(serving AC-2)	EA	1.00	4,198.00	4,198
2658	200 gal, Air receiver tank(serving AC-4)	EA	1.00	4,198.00	4,198
2267	Air dryer(serving AC-1)	EA	1.00		Incl.
2653	Air dryer(serving AC-2)	EA	1.00	3,513.00	3,513
2654	Air dryer(serving AC-3)	EA	1.00	483.00	483
2655	Air dryer(serving AC-4)	EA	1.00	3,513.00	3,513
2268	Master compressed air shut-off(for auto collision area) (allowance)	EA	1.00	2,413.00	2,413
2271	Compressed air - 1/2 to 1" piping	LF	3,419.00	38.60	131,973
2272	Compressed air - 1 1/4" piping	LF	699.00	45.40	31,703
2663	Compressed air - 1 1/2" piping	LF	89.00	48.20	4,294
2273	Compressed air- hook up c/w pressure gauge, air filter, condensate filter, pressure regulator (none indicated)	EA	44.00		Excl.
2274	Compressed air- hook up c/w shutoff valve, pressure gauge, air filter, condensate filter, pressure regulator (pg-21/note-1)	EA	6.00	530.80	3,185
2275	Compressed air- hook up c/w shut off valve, pressure gauge, air filter, air pressure regulator, 50' hose reel (Carpentry shop)	EA	43.00	1,737.00	74,691
2397	Compressed air- hook up c/w shut off valve, pressure gauge, air filter, air pressure regulator, 50' hose reel (pg-9/note-1)(HVAC technology shop)	EA	10.00	1,737.00	17,370
2276	Compressed air- paint booth- hook up	EA	2.00	531.00	1,062
2277	Compressed air- hook up(to equipment)	EA	1.00	531.00	531
2278	Air compressor - hook up	EA	5.00	530.80	2,654
2279	Air compressor tank- hook up	EA	5.00	530.80	2,654
2280	Air receiver - hook up	EA	3.00	530.70	1,592
2281	Air dryer - hook up	EA	4.00	530.80	2,123
2282	Dust collector- hook up	EA	1.00	531.00	531
2283	Dental station- hook up(CA)	EA	18.00	530.80	9,554

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2284	Biotech labs- ceiling panels- hook up(CA)(allowance) - none indicated	EA	5.00		Excl.
2285	Allowance for missing/ miscellaneous compressed air system(Main building)	SF	409,877.00	0.50	197,766
2289	Subcontractor GCs/GRs	Item			50,180
	D2050 - General Service Compressed-Air			2.01/SF	765,183
D2060	Process Support Plumbing Systems				
1895	VAC-1, Vacuum pump(biotech lab)	EA	1.00	19,011.00	19,011
2290	VAC-2, Vacuum pump(dental)	EA	1.00	52,110.00	52,110
2291	Gas meter assembly(to be by others)	EA	1.00		Excl.
2398	Kitchen emergency gas shut-off system c/w main control panel, shut-off switch, gas solenoid valve, CO detectors, etc(allowance)	EA	4.00	4,825.00	19,300
2664	Auto shop emergency gas shut-off system c/w main control panel, shut-off switch, gas solenoid valve, etc (allowance)	EA	1.00	3,378.00	3,378
2293	Vacuum piping c/w fittings, support, etc- main	LF	558.00	53.10	29,616
2295	1-1/4" to 1-1/2", Sch.40 steel natural gas distribution c/w fittings, supports etc. (none indicated)	LF	6.00		Excl.
2296	2" to 2-1/2",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	88.00	77.20	6,794
2297	3",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	8.00	96.50	772
2298	4",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	281.00	115.80	32,540
2668	5",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	9.00	139.90	1,259
2667	6",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	352.00	149.60	52,650
2666	8",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	84.00	164.00	13,780
2301	Argon piping c/w fittings, support, etc	LF	333.00	53.10	17,674
1747	Allowances for argon piping	LF	713.00	53.10	37,842
2302	Acetylene piping c/w fittings, support, etc - none indicated	LF	168.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2300	Oxygen piping c/w fittings, support, etc - none indicated	LF	167.00		Excl.
2304	Welding booth -hook up(Ar)	EA	27.00	530.70	14,330
2305	Welding booth -hook up(C2H2- acetylene) - none indicated	EA	22.00		Excl.
1757	Allowances for miscellaneous argon hookups	LS	1.00	24,125.00	24,125
2303	Welding booth -hook up(O2) - none indicated	EA	22.00		Excl.
2307	Argon storage tank- hook up c/w manifolds, shutoff valves, etc	EA	1.00	9,650.00	9,650
2308	Acetylene storage tank- hook up c/w manifolds, shutoff valves, etc	EA	1.00	9,650.00	9,650
2306	Oxygen storage tank- hook up c/w manifolds, shutoff valves, etc	EA	1.00	9,650.00	9,650
2517	Vacuum pump- hook up	EA	2.00	1,447.50	2,895
2309	Biotech labs- ceiling panels- hook up(Vacuum) (allowance) - none indicated	EA	5.00		Excl.
2310	Dental station- hook up(Vacuum)	EA	18.00	530.80	9,554
2399	Kitchen emergency gas shut-off system- hook up	EA	4.00	530.80	2,123
2311	Water heater - hook up(NG)	EA	3.00	530.70	1,592
2312	Paint booth- hook up(NG)	EA	2.00	531.00	1,062
2313	Kitchen equipment - hook up(natural gas)	EA	24.00	530.80	12,738
2314	Biotech labs- ceiling panels- hook up(NG)(allowance) - none indicated	EA	5.00		Excl.
2531	Student plumbing booth- hook up(NG) - none indicated	EA	3.00		Excl.
1756	Allowances for misc NG valves and accessories	LS	1.00	14,475.00	14,475
1746	Main control panel at each gas hood - allow	No	8.00	3,860.00	30,880
2315	Allowances for additional main building gas system (natural gas/Ar)	SF	409,877.00	0.30	118,659
2316	Subcontractor GCs/GRs	Item			55,005
	D2060 - Process Support Plumbing Systems			1.58/SF	603,114
	D20 - PLUMBING			21.14/SF	8,043,655

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D30	HVAC				
D3020	Heat Systems				
1847	EUH-1, Electric unit heater, 15 kW	EA	12.00	2,653.80	31,845
1865	EUH-2, Electric unit heater, 1.5 kW	EA	3.00	1,158.00	3,474
1866	EUH-3, Electric unit heater, 3 kW	EA	6.00	1,544.00	9,264
1867	EUH-4 & 5, Electric unit heater, 10 kW	EA	6.00	2,171.30	13,028
D3020 - Heat Systems				0.15/SF	57,611
D3030	Cooling Systems				
1667	LG HVAC equipments consisting of DX-split units, FCU c/w condenser units, branch circuit controllers, VCU's (serving RTU's, MAU's, AHU's, HRU's), etc.	LS	1.00	3,425,748.00	3,425,748
1189	AC- 0-4-5, 1-5-6/10, DX split system air conditioning unit 3 ton, 36 mbh cooling capacity c/w outdoor air-cooled condensing unit	EA	5.00		Incl.
1190	AC- 0-2 to 0-3, 0-6 to 0-8, 1-1 to 4, 1-7 to 9, 1-11 to 14, 2-1 to 6, 3-1 to 5, 4-1 to 5, CB-3 & LB-1, DX split system air conditioning unit 2 ton, 24 mbh cooling capacity c/w outdoor air-cooled condensing unit	EA	32.00		Incl.
1859	AC-H-01 to 03 / 04.1 to 04.4 / , DX split system air conditioning unit 1.5 ton, 18 mbh cooling capacity c/w outdoor air-cooled condensing unit	EA	7.00		Incl.
1860	AC-H-05 - 06, DX split system air conditioning unit 4 ton, 48 mbh cooling capacity c/w outdoor air-cooled condensing unit	EA	3.00		Incl.
1193	FCU, DX-cooled fan coil units 0.5 ton	EA	41.00		Incl.
1194	FCU, DX-cooled fan coil units 0.6 ton	EA	19.00		Incl.
1195	FCU, DX-cooled fan coil units 0.8 ton	EA	23.00		Incl.
1197	FCU, DX-cooled fan coil units 1 ton	EA	7.00		Incl.
1196	FCU, DX-cooled fan coil units 1.3 ton	EA	5.00		Incl.
1198	FCU, DX-cooled fan coil units 1.5 ton	EA	25.00		Incl.
1200	FCU, DX-cooled fan coil units 2 ton	EA	40.00		Incl.
1202	FCU, DX-cooled fan coil units 2.3 ton	EA	13.00		Incl.
1203	FCU, DX-cooled fan coil units 3 ton	EA	64.00		Incl.
1204	FCU, DX-cooled fan coil units 3.5 ton	EA	18.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1205	FCU, DX-cooled fan coil units 4 ton	EA	12.00		Incl.
1206	FCU, DX-cooled fan coil units 4.5 ton	EA	2.00		Incl.
1568	Refrigeration piping c/w fittings,supports, etc.	LF	52,802.00	43.40	2,292,925
1684	Allowance for refrigerant	Lb	12,700.00	24.10	306,388
1709	RTU - hook ups	EA	2.00	724.00	1,448
1710	MAU - hook ups	EA	2.00	724.00	1,448
1711	HRU - hook ups	EA	5.00	723.80	3,619
1712	AHU - hook ups	EA	10.00	723.80	7,238
1713	ERV - hook ups	EA	5.00	723.80	3,619
1974	FCU - hook ups	EA	269.00	482.50	129,793
1975	AC units - hook ups	EA	47.00	482.50	22,678
2481	Allowance for missing/ miscellaneous	SF	491,852.90	0.40	189,855
D3030 - Cooling Systems				16.78/SF	6,384,759
D3050	Facility HVAC Distribution Systems				
1677	YORK HVAC equipments consisting of RTU's, AHU's, MAU's and HRU's	LS	1.00	6,856,910.00	6,856,910
1154	RTU-1, DX-cooled roof-top air handling unit, 1,165 cfm c/w air-cooled VRF condensing units (6 ton), electric pre heat, etc.	EA	1.00		Incl.
1155	RTU-2, DX-cooled roof-top air handling unit, 14,000 cfm c/w air-cooled VRF condensing units (3 x 16 ton), electric pre heat, etc.	EA	1.00		Incl.
1157	MAU-1, DX-cooled make-up air unit, 6,510 cfm c/w air-cooled VRF condensing units (2 x 18 ton), electric pre heat, etc.	EA	1.00		Incl.
1158	MAU-2, DX-cooled make-up air unit, 15,605 cfm c/w air-cooled VRF condensing units (3 x 30 ton), electric pre heat, etc.	EA	1.00		Incl.
1159	AHU-1, DX-cooled indoor air handling unit, 20,000 cfm c/w air-cooled VRF condensing units (3 x 22 ton), electric pre heat, etc.	EA	1.00		Incl.
1160	AHU-3, DX-cooled indoor air handling unit, 15,475 cfm c/w air-cooled VRF condensing units (2 x 26 ton), electric pre heat, etc.	EA	1.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2648	AHU-2, DX-cooled indoor air handling unit, 15,465 cfm c/w air-cooled VRF condensing units (2 x 22 ton & 1 x 12 ton), electric pre heat, etc.	EA	1.00		Incl.
1161	AHU-4, DX-cooled indoor air handling unit, 9,405 cfm c/w air-cooled VRF condensing units (2 x18 ton & 2 x14 ton), electric pre heat, etc.	EA	1.00		Incl.
1162	AHU-5, DX-cooled indoor air handling unit, 7,275 cfm c/w air-cooled VRF condensing units (2 x12 ton), electric pre heat, etc.	EA	1.00		Incl.
1163	AHU-6, DX-cooled indoor air handling unit, 6,570 cfm c/w air-cooled VRF condensing units (2 x10 ton), electric pre heat, etc.	EA	1.00		Incl.
1164	AHU-7, DX-cooled indoor air handling unit, 8,265 cfm c/w air-cooled VRF condensing units (2 x14 ton), electric pre heat, etc.	EA	1.00		Incl.
1165	AHU-8, DX-cooled indoor air handling unit, 10,255 cfm c/w air-cooled VRF condensing units (2 x20 ton), electric pre heat, etc.	EA	1.00		Incl.
1166	AHU-9, DX-cooled indoor air handling unit, 3,555 cfm c/w air-cooled VRF condensing units (2 x14 ton), electric pre heat, etc.	EA	1.00		Incl.
1167	AHU-10, DX-cooled indoor air handling unit, 9,485 cfm c/w air-cooled VRF condensing units (2 x22 ton), electric pre heat, etc.	EA	1.00		Incl.
1142	ERV-1, Energy recovery ventilator, 695 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	20,265.00	20,265
1143	ERV-2, Energy recovery ventilator, 285 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	8,685.00	8,685
1144	ERV-3, Energy recovery ventilator, 1,100 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	30,880.00	30,880
1145	ERV-4, Energy recovery ventilator, 1,795 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	50,180.00	50,180
1840	ERV-7, Energy recovery ventilator, 250 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	7,720.00	7,720
1150	HRU-1, DX-cooled dedicated outdoor air roof-top units, 19,640 cfm c/w air-cooled VRF condensing units (2 x 24 ton & 1 x 26 ton), electric pre heat, etc.	EA	1.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2649	HRU-2, DX-cooled dedicated outdoor air roof-top units, 18,735 cfm c/w air-cooled VRF condensing units (3 x 24 ton & 1 x 28 ton), electric pre heat, etc.	EA	1.00		Incl.
2650	HRU-3, DX-cooled dedicated outdoor air roof-top units, 19,395 cfm c/w air-cooled VRF condensing units (3 x 24 ton & 1 x 28 ton), electric pre heat, etc.	EA	1.00		Incl.
1151	HRU-4, DX-cooled dedicated outdoor air roof-top units, 7,070 cfm c/w air-cooled VRF condensing units (2 x18 ton & 1 x 28 ton), electric pre heat, etc.	EA	1.00		Incl.
1153	HRU-5, DX-cooled dedicated outdoor air roof-top units, 2,760 cfm c/w air-cooled VRF condensing units (2 x 6 ton), electric pre heat, etc.	EA	1.00		Incl.
2775	Dehumidifiers	EA	35.00	13,510.00	472,850
1168	F-1 & 8, Exhaust fan, 600 cfm	EA	2.00	1,206.50	2,413
1178	F-2, 11 & 12, Exhaust fan, 360 cfm	EA	3.00	723.70	2,171
1170	F-3, Exhaust fan, 1,000 cfm	EA	1.00	2,413.00	2,413
1169	F-4, Exhaust fan, 150 cfm	EA	1.00	483.00	483
1171	F-5, Exhaust fan, 2,600 cfm	EA	1.00	5,308.00	5,308
1174	F-7, Exhaust fan, 2,100 cfm	EA	1.00	4,217.00	4,217
1175	F-9, Exhaust fan, 500 cfm	EA	1.00	1,013.00	1,013
2659	F-10, Exhaust fan, 210 cfm	EA	1.00	425.00	425
1180	F-13, Exhaust fan, 18,400 cfm	EA	1.00	36,935.00	36,935
1181	F-15 & 16, Exhaust fan, 15,000 cfm	EA	2.00	30,108.00	60,216
2656	F-17, Exhaust fan, 900 cfm	EA	1.00	1,809.00	1,809
1182	F-18, Exhaust fan, 885 cfm	EA	1.00	1,780.00	1,780
1849	F-20, Exhaust fan, 450 cfm	EA	1.00	917.00	917
2661	F-22, Exhaust fan, 130 cfm	EA	1.00	483.00	483
1183	KEF-1, Kitchen exhaust fan, 2,800 cfm	EA	1.00	5,621.00	5,621
1184	KEF-2, Kitchen exhaust fan, 3,300 cfm	EA	1.00	5,665.00	5,665
1185	KEF-3, Kitchen exhaust fan, 1,850 cfm	EA	1.00	3,715.00	3,715
1186	KEF-4, Kitchen exhaust fan, 2,365 cfm	EA	1.00	4,753.00	4,753
1188	KEF-5, Kitchen exhaust fan, 9,390 cfm	EA	1.00	10,350.00	10,350
1878	DF-1, Destratification fan, 18' blade dia	EA	2.00	18,866.00	37,732

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1872	FTU-1 to 3, Fan terminal unit - electric heating, 1025 cfm, 12 kW	EA	3.00	965.00	2,895
1873	FTU-4, Fan terminal unit - electric heating, 945 cfm, 12 kW	EA	1.00	869.00	869
2662	FTU-5, Fan terminal unit - electric heating, 1220 cfm, 12 kW	EA	1.00	1,110.00	1,110
1874	FTU-6, Fan terminal unit - electric heating, 1100 cfm, 12 kW	EA	1.00	1,110.00	1,110
1875	FTU-7, Fan terminal unit - electric heating, 1500 cfm, 15 kW	EA	1.00	1,206.00	1,206
1876	FTU-8 & 9, Fan terminal unit - electric heating, 2250 cfm, 22 kW	EA	2.00	1,689.00	3,378
1191	Relocation of existing Dust collector including fan and abort gate	EA	1.00	4,825.00	4,825
1982	Kitchen exhaust hood	EA	2.00	2,412.50	4,825
1877	Sound attenuators	EA	24.00	7,720.00	185,280
1192	BS, VRF branch circuit selector	EA	45.00		Incl.
1209	Air cleaners (Airboss 2500)	EA	3.00	3,860.00	11,580
1972	VAV box (small)	EA	141.00	1,302.80	183,688
1305	VAV box (medium)	EA	51.00	1,688.70	86,126
1306	VAV box (large)	EA	6.00	2,412.50	14,475
1216	Galvanized duct work c/w fittings, supports, etc.	Lb	348,433.70	15.40	5,379,814
1217	Thermal insulation	SF	365,982.70	6.30	2,295,625
2774	Black welded kitchen exhaust system	Lb	10,500.00	19.80	207,716
1243	4" to 6", Round galvanized duct work c/w fittings, supports, etc	LF	3,230.80	62.70	202,652
1242	7" to 8", Round galvanized duct work c/w fittings, supports, etc	LF	900.00	67.60	60,795
1346	10" to 12", Round galvanized duct work c/w fittings, supports, etc	LF	1,411.60	77.20	108,976
1241	14" to 16", Round galvanized duct work c/w fittings, supports, etc	LF	995.00	82.00	81,615
1245	18" to 20", Round galvanized duct work c/w fittings, supports, etc	LF	73.00	86.80	6,340

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1317	22" to 24", Round galvanized duct work c/w fittings, supports, etc	LF	326.00	91.70	29,886
1968	26" to 28", Round galvanized duct work c/w fittings, supports, etc	LF	640.00	106.20	67,936
1220	30" to 32", Round galvanized duct work c/w fittings, supports, etc	LF	825.00	120.60	99,516
1223	34" to 36", Round galvanized duct work c/w fittings, supports, etc	LF	786.00	125.50	98,604
1225	38" to 40", Round galvanized duct work c/w fittings, supports, etc	LF	408.00	144.80	59,058
1226	42" to 44", Round galvanized duct work c/w fittings, supports, etc	LF	547.00	149.60	81,818
1978	46", Round galvanized duct work c/w fittings, supports, etc	LF	71.00	154.40	10,962
1397	48" to 50", Round galvanized duct work c/w fittings, supports, etc	LF	362.00	159.20	57,639
2070	52" to 54", Round galvanized duct work c/w fittings, supports, etc	LF	29.00	164.00	4,757
1228	60", Round SS duct work c/w fittings, supports, etc	LF	76.00	173.70	13,201
2677	44"/20", Oval galvanized duct work c/w fittings, supports, etc	LF	155.00	183.30	28,419
2678	58"/30", Oval galvanized duct work c/w fittings, supports, etc	LF	44.00	207.50	9,129
2679	60"/32", Oval galvanized duct work c/w fittings, supports, etc	LF	165.00	241.20	39,806
1302	Diffusers (small)	EA	8.00	144.80	1,158
1218	A & A1, Diffusers (medium)	EA	218.00	193.00	42,074
1301	A3, Side-wall diffuser	EA	9.00	289.60	2,606
1969	D/D1/D2, Linear slot diffuser c/w plenum	EA	83.00	482.50	40,048
1970	E/H, Linear slot diffuser c/w plenum	EA	61.00	482.50	29,433
1971	F/G, Linear slot diffuser c/w plenum	EA	179.00	530.70	95,004
1290	Grilles (small)	EA	2.00	77.00	154
1300	C/C1, Grilles (medium)	EA	257.00	144.80	37,201
1303	C2, Side-wall grilles	EA	21.00	265.40	5,573

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1236	Louver	SF	1,093.00	82.00	89,653
2699	B, Grille	EA	4.00	96.50	386
2692	Plenum, 12"x10"x60"	EA	8.00	965.00	7,720
2421	Plenum, 48"x12"x8"	EA	16.00	1,254.50	20,072
2071	Plenum, 84"x6"	EA	1.00		Excl.
2695	Plenum, 84"x48"	EA	1.00	4,825.00	4,825
1399	Plenum, 60"x10"	EA	11.00	4,825.00	53,075
1321	Plenum, 36"	EA	1.00	1,689.00	1,689
2691	Plenum, 48"x4"	EA	17.00	2,412.50	41,013
1979	Plenum, 90"x78"	EA	2.00	2,412.50	4,825
1247	Plenum, 96"x50"x44' long	EA	3.00	2,171.30	6,514
2690	Plenum, 104"x60"x48"	EA	1.00	9,650.00	9,650
2693	Plenum, 256"x6"	EA	1.00	7,238.00	7,238
1246	Tubing storage reel (CAR-MON TSR-S32)	EA	6.00	1,737.00	10,422
1248	Tubing storage reel (CAR-MON TSR-S24)	EA	2.00	1,447.50	2,895
1980	LTX flex hose, 4" dia x 15' type c/w RYA dual adaptor, tube sling, spring balancer and flahe set	EA	6.00	1,206.30	7,238
1299	BD, Balancing damper	EA	514.00	482.50	248,005
1976	BD, Balancing damper (large)	EA	5.00	820.20	4,101
1572	Combination fire/smoke damper	EA	26.00	723.80	18,818
1977	FD, Fire damper	EA	6.00	530.80	3,185
2689	Automatic electric dampers	EA	9.00	4,825.00	43,425
1983	Bryant OVM096 oil fired furnace	EA	2.00	11,097.50	22,195
1984	York TL8E 95% efficient furnace	EA	5.00	9,650.00	48,250
1981	Relocate and installation of spark detection and suppression system	EA	1.00	2,895.00	2,895
1567	Allowance for miscellaneous/missing items	SF	409,877.00	0.30	118,659
2199	1/2" to 1", Condensate piping c/w fittings - Ag	LF	8,473.00	33.80	286,176
2200	1-1/4" to 1-1/2", Condensate piping c/w fittings- Ag	LF	2,141.00	38.60	82,643
2201	2", Condensate piping c/w fittings - Ag	LF	127.00	43.40	5,515
2203	Condensate piping from walk-in cooler/ walk-in freezer	LF	30.00	33.80	1,013

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2540	Equipment cost adjustment, confirmed in meeting	LS	1.00		Excl.
	D3050 - Facility HVAC Distribution Systems			48.58/SF	18,486,886
D3060	Controls & Instrumentations				
1708	BAS control system c/w computer station, graphics, wiring, testing etc.	Pt	1,500.00	1,447.50	2,171,248
	D3060 - Controls & Instrumentations			5.71/SF	2,171,248
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	409,877.00	0.80	316,425
1560	General requirements: supervision, shop drawings, asbuilt, tags, markers, tools, rentals, BIM, cleaning, storage, material handling, seismic restraints, permits, fees etc.	Item			2,193,443
	D3070 - Special Purpose HVAC Systems			6.60/SF	2,509,868
	D30 - HVAC			77.81/SF	29,610,372
D40	FIRE PROTECTION				
D4010	Fire Suppression				
787	General requirements: supervision, shop drawings, asbuilt, tags, markers, tools, rentals, BIM, cleaning, storage, material handling, seismic restraints, permits, fees etc.	Item			290,465
1510	Fire pump, 1000 gpm c/w Control Panel	EA	1.00	96,500.00	96,500
1515	JP, Jockey pump c/w Control Panel	EA	1.00	8,203.00	8,203
1513	8" (ERW), Fire specialty piping c/w fittings, supports, etc.	LF	496.00	164.10	81,369
1497	6" (ERW), Fire specialty piping c/w fittings, supports, etc.	LF	2,191.00	115.80	253,718
1504	4" (CS), Fire specialty piping c/w fittings, supports, etc.	LF	5,731.00	62.70	359,477
2704	3" (CS), Fire specialty piping c/w fittings, supports, etc.	LF	2,607.00	57.90	150,945
1899	2-1/2" (CS), Fire specialty piping c/w fittings, supports, etc.	LF	3,547.00	48.30	171,143
1523	2" (CS), Fire specialty piping c/w fittings, supports, etc.	LF	8,915.00	57.90	516,179
2606	1/2" to 1-1/2" Fire specialty piping c/w fittings, supports, etc.	LF	27,858.00	38.60	1,075,318
1507	Double check valve backflow preventor assembly, 8"	EA	1.00	9,650.00	9,650

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1498	Zone control valve assembly, 4"	EA	28.00	4,342.50	121,590
1844	Post Indicator/Isolation valve, 8"	EA	7.00	2,412.60	16,888
1845	Post Indicator/Isolation valve, 6"	EA	8.00	1,930.00	15,440
1870	Post Indicator/Isolation valve, 4" (none indicated)	EA	17.00		Excl.
2702	Bypass valve, 6"	EA	1.00	2,413.00	2,413
1521	Check valve, 8"	EA	4.00	2,895.00	11,580
1905	Check valve, 6"	EA	1.00	1,737.00	1,737
1869	Check valve, 4" (none indicated)	EA	2.00		Excl.
1904	Check valve, 2"	EA	1.00	869.00	869
1846	Drain valve 3"	EA	8.00	627.30	5,018
1906	OS&Y Gate valve, 8"	EA	1.00	3,088.00	3,088
1907	OS&Y Gate valve with tamper switch, 6"	EA	16.00	3,377.50	54,040
2698	OS&Y Gate valve with tamper switch, 4"	EA	2.00	2,895.00	5,790
2706	OS&Y Gate valve with tamper switch, 3"	EA	1.00	2,654.00	2,654
1908	OS&Y Gate valve with tamper switch, 2-1/2"	EA	2.00	1,254.50	2,509
2688	Main alarm check valve, 8"	EA	1.00	4,343.00	4,343
1512	Main alarm check valve, 6"	EA	3.00	2,123.00	6,369
1540	Fire department valve assembly, 2-1/2"	EA	36.00	1,158.00	41,688
1881	Fire hose cabinet	EA	11.00	2,123.00	23,353
1843	Fire department connection 4x4" c/w chain and cap	EA	2.00	3,860.00	7,720
1508	FP water service connection, 8"	EA	1.00	9,650.00	9,650
1514	FPTH, Fire protection test header	EA	1.00	1,448.00	1,448
1559	Roof hydrant assembly-allow	EA	4.00	1,447.50	5,790
1502	Sprinkler heads c/w drop piping	EA	3,551.00	154.40	548,274
1940	Hookup for Fire pump	EA	1.00	1,930.00	1,930
1939	Hookup for Jockey pump	EA	1.00	965.00	965
2726	Cap, 1" to 1-1/2"	EA	3.00	96.70	290
2725	Cap, 2"	EA	45.00	120.60	5,428
1525	Cap, 2.5"	EA	18.00	144.80	2,606
2724	Cap, 3"	EA	13.00	144.80	1,882
1516	Cap, 4"	EA	37.00	96.50	3,571

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1517	Cap, 6"	EA	1.00	193.00	193
	D4010 - Fire Suppression			10.31/SF	3,922,083
	D40 - FIRE PROTECTION			10.31/SF	3,922,083
D50	ELECTRICAL				
D5020	Electrical Service and Distribution				
2409	System grounding grid and tie ins to building	SF	409,877.00	0.60	237,319
945	Main switchboard 4000 amps MSB-1A & 1B	EA	2.00	212,300.00	424,600
946	Primary 4000 amp service #1	EA	1.00	18,094.00	18,094
947	Primary 4000 amp service #2	EA	1.00	18,094.00	18,094
948	Emergency generator 300 kva (by utility company)	Note			Excl.
950	Transfer switch 400 amps	EA	3.00	13,992.70	41,978
952	Panel SB-DPH-LLA 800 amps	EA	1.00	31,652.00	31,652
953	Panel EM-DPH-LLA 400 amps	EA	1.00	22,774.00	22,774
954	Panel EM-DPH-ELEV-LLA 400 amps	EA	1.00	22,774.00	22,774
955	Elev #1 200 amps	EA	1.00	2,200.00	2,200
956	Elev #2 200 amps	EA	1.00	2,200.00	2,200
957	ELEV disconnect 200 amps	EA	2.00	2,123.00	4,246
958	Fire pump connection & controller connection	EA	1.00	1,423.00	1,423
960	DPH-LLA 1200 amps	EA	1.00	37,153.00	37,153
961	DPH-LLB 1200 amps	EA	1.00	37,153.00	37,153
962	DPH-LLC 1200 amps	EA	1.00	37,153.00	37,153
963	DPH-LLD 1200 amps	EA	1.00	37,153.00	37,153
964	DSH-4A 2000 amps	EA	1.00	37,153.00	37,153
965	DSH--4B 1600 amps	EA	1.00	31,652.00	31,652
966	MPH-2A & 2B 1200 amps	EA	1.00	31,652.00	31,652
967	Disconnect switches 60 amps	EA	4.00	603.30	2,413
968	Disconnect switches 100 amps	EA	12.00	916.80	11,001
969	Disconnect switches 200 amps	EA	12.00	1,785.30	21,423
970	EWB #1 & #2 200 amp connection	EA	2.00	2,268.00	4,536
971	Disconnects 400 amps	EA	9.00	2,267.80	20,410

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
972	System metering	EA	1.00	140,697.00	140,697
974	Coordination Study	EA	1.00	34,161.00	34,161
975	Arc Flash	EA	1.00	21,713.00	21,713
977	Panels 225 amps	EA	18.00	4,487.30	80,771
978	Panels 400 amps	EA	19.00	5,259.30	99,926
979	Panels 100 amps	EA	12.00	3,136.30	37,635
986	Panel GEN-EM-DPH-LLA 800 amps	EA	1.00	44,149.00	44,149
987	Generator emergency grounding	EA	1.00	8,241.00	8,241
989	Dry transformer - 30kVA	EA	12.00	3,739.40	44,873
991	Dry transformer - 75kVA	EA	2.00	5,066.50	10,133
992	Dry transformer - 115kVA	EA	19.00	8,274.90	157,223
993	Dry transformer - 225kVA	EA	2.00	12,062.50	24,125
1717	Feeders 60 amps CU	LF	12,400.00	21.20	263,252
1718	Feeders 90 amps CU	LF	6,220.00	31.70	196,875
1719	Feeders 100 amps CU	LF	4,160.00		Excl.
1720	Feeders 150 amps CU	LF	960.00		Excl.
1721	Feeder 200 amps CU	LF	3,600.00		Excl.
1722	Feeders 225 amps CU	LF	4,860.00		Excl.
1723	Feeders 400 amps CU	LF	6,120.00		Excl.
1724	Feeders 600 amps CU	LF	640.00		Excl.
1725	Feeders 800 amps CU	LF	840.00		Excl.
1726	Feeders 1200 amps CU	LF	1,920.00		Excl.
1727	Feeders 4000 amps CU	LF	460.00		Excl.
1729	400 amps temporary transfer switch for roll up generator	EA	1.00	22,678.00	22,678
1730	Emergency generator communication conduit & wire	EA	1.00	17,853.00	17,853
1818	Panel Sub-Metering 100 amps BFM-II and c/t's	EA	34.00		Excl.
1819	Panel Sub-Metering 225 amps	EA	25.00		Excl.
1820	Panel Sub-Metering 400 amps	EA	21.00		Excl.
1821	Panel Sub-Metering 1200 amps	EA	1.00		Excl.
1822	Panel Sub-Metering 1600 amps	EA	1.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1823	Panel Sub-Metering 2000 amps	EA	1.00		Excl.
1824	Panel Sub-Metering misc add ons computer monitoring etc.	EA	1.00		Excl.
1825	Panel Sub-Metering branch metering 20 amps	EA	60.00		Excl.
2518	Feeders 100 amps AL	LF	4,160.00	25.50	105,980
2519	Feeders 150 amps AL	LF	960.00	32.00	30,756
2520	Feeder 200 amps AL	LF	3,600.00	46.80	168,489
2521	Feeders 225 amps AL	LF	4,860.00	51.00	248,096
2522	Feeders 400 amps AL	LF	6,120.00	93.70	573,453
2523	Feeders 600 amps AL	LF	640.00	141.00	90,231
2524	Feeders 800 amps AL	LF	840.00	211.50	177,684
2525	Feeders 1200 amps AL	LF	1,920.00	388.80	746,492
2526	Feeders 4000 amps AL	LF	460.00	1,165.50	536,142
2778	Feeders: Added pricing adjustment per reconciliation	LS	1.00	950,524.00	950,524
2780	Mechanical connections-Reheat coils/branch selectors	EA	209.00	772.00	161,348
2781	Mechanical connections Fancoil units	EA	271.00	636.90	172,600
D5020 - Electrical Service and Distribution				16.56/SF	6,302,306
D5030	General Purpose Electrical Power				
768	Interior electronic scoreboard & shot clock	EA	1.00	8,318.00	8,318
1001	Mechanical connections (VFD) 30 amps	EA	51.00	4,207.40	214,577
1002	Mechanical connections (VFD) 60 amps	EA	53.00	6,179.90	327,533
1003	Mechanical connections (VFD) 100 amps	EA	5.00	6,818.60	34,093
1004	Mechanical connections (VFD) 200 amps	EA	5.00	17,680.80	88,404
1005	Mechanical connections (VFD) 400 amps	EA	1.00	33,196.00	33,196
1528	Rec exp proof	EA	6.00	5,447.50	32,685
1529	Rec and cord drop	EA	246.00	1,785.30	439,172
1530	Power floor box	EA	75.00	699.60	52,472
1531	Rec power	EA	728.00	120.60	87,815
1532	Rec GFI	EA	533.00	313.60	167,162
1551	Rec power Special rec 30 amps	EA	43.00	627.30	26,972
1556	Rec quad	EA	210.00	275.00	57,755

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1557	Misc. mechanical equipment and equipment connection	EA	80.00	4,810.50	384,842
2373	EV Chargers in auto shop	EA	4.00	12,014.30	48,057
1731	Power conduit & wire	EA	1,216.00	168.90	205,352
1781	Kitchen & Culinary equipment rough-in & connections	EA	149.00	410.10	61,109
1783	Shop equipment connections & dust collector	EA	1.00	12,063.00	12,063
1784	Vehicle Co2 system connection (power)	EA	1.00	1,568.00	1,568
D5030 - General Purpose Electrical Power				6.00/SF	2,283,145
D5040	Lighting				
2503	School stage rigging (refer to Equipment section)	EA	1.00		Incl.
764	School stage lighting	EA	1.00	96,500.00	96,500
2504	School stage lighting & control	EA	1.00	31,363.00	31,363
1014	Lighting type DPA - 32" decorative pendant	EA	10.00	675.50	6,755
2320	Lighting type DPB - 4' long x 6" dia. pendant	EA	12.00	752.70	9,032
2321	Lighting type DPB-2 - 4' long x 6" dia. pendant	EA	30.00	1,206.30	36,188
1016	Lighting type GPB - 15.1" dia. pendant	EA	126.00	791.30	99,704
1019	Lighting type GPE - 26' dia. direct/indirect ring pendant	EA	1.00	579.00	579
2322	Lighting type GPK - 60" dia. direct/indirect ring pendant	EA	20.00	723.80	14,475
2323	Lighting type GPL-1 - 8' long linear pendant	EA	20.00	791.30	15,826
2324	Lighting type GPL-2 - 4' long linear pendant	EA	17.00	603.10	10,253
1023	Lighting type GSA - 24" dia. surface pendant	EA	56.00	723.80	40,530
1024	Lighting type GSB - 11" dia. surface downlight	EA	19.00	445.80	8,471
1025	Lighting type GSC - surface linear	LF	100.00	445.80	44,583
2326	Lighting type GSD - 2" dia. surface round cylinder downlight	EA	22.00	397.60	8,747
2325	Lighting type GSE - 2"x8" wall indirect	LF	161.00	188.20	30,296
1027	Lighting type GWB - 8"x9" surface wall sconce exterior	EA	11.00	540.40	5,944
1028	Lighting type GWC - 8"x12" adjustable direct/indirect wall cylinder exterior	EA	14.00	694.80	9,727
2327	Lighting type GWD - 2' long indirect/direct wall sconce	EA	32.00	434.30	13,896
2328	Lighting type GWE-1 - 25" long wall linear	EA	40.00	608.00	24,318

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2329	Lighting type GWE-2 - 25" long wall linear	EA	32.00	636.90	20,381
2330	Lighting type GWF - 6" dia. adjustable wall cylinder	EA	24.00	405.30	9,727
1029	Lighting type LPA-1 - pendant linear	LF	3,527.00	304.00	1,072,119
2331	Lighting type LPA-2 - pendant linear	LF	26.00	120.60	3,136
1030	Lighting type LPB - pendant linear	LF	161.00	593.50	95,549
1031	Lighting type LPC - pendant linear	LF	1,408.00	135.10	190,221
2332	Lighting type LPD - pendant linear	LF	285.00	168.90	48,129
1032	Lighting type LPE - pendant linear	LF	81.00	149.60	12,116
2333	Lighting type LPG - pendant linear	LF	73.00	97.50	7,115
2336	Lighting type LPH - 8' long pendant linear	EA	133.00	579.00	77,007
2337	Lighting type LPJ - pendant linear	LF	549.00	135.10	74,170
2335	Lighting type LPK - pendant linear	LF	289.00	135.10	39,044
2334	Lighting type LPL - pendant linear	LF	295.00	135.10	39,855
2338	Lighting type LPM-1 - pendant linear	LF	79.00	63.70	5,032
2339	Lighting type LPM-2 - pendant linear	LF	149.00	72.40	10,784
1035	Lighting type LSA - undercabinet	LF	858.00	53.10	45,538
1036	Lighting type LSB - linear cove	LF	217.00	82.00	17,799
2341	Lighting type LSG-1 - 4' long linear	EA	74.00	542.30	40,132
2342	Lighting type LSG-2 - 8' long linear	EA	54.00	685.10	36,998
2340	Lighting type LSH - strip light	LF	541.00	542.30	293,401
1044	Lighting type LSJ - wall linear	LF	29.00	202.70	5,877
2343	Lighting type PB - 16.24" dia. pendant	EA	36.00	636.90	22,928
2345	Lighting type PD - 4" dia. pendant cylinder	EA	76.00	661.00	50,238
2344	Lighting type PD-1 - 4" dia. pendant cylinder	EA	21.00	661.00	13,882
2347	Lighting type PF - 4" dia. pendant cylinder	EA	60.00	559.70	33,582
2346	Lighting type PF-1 - 4" dia. pendant cylinder	EA	24.00	569.30	13,664
1052	Lighting type RA-1 - 2 X 2 recessed troffer	EA	185.00	395.60	73,195
2349	Lighting type RA-2 - 2 X 2 recessed troffer	EA	6.00	405.30	2,432
2348	Lighting type RA-3 - 2 X 2 recessed troffer	EA	19.00	405.30	7,701
1053	Lighting type RB-1 - 2 X 2 recessed troffer	EA	207.00	405.30	83,897
2350	Lighting type RB-2 - 2 X 4 recessed troffer	EA	6.00	453.50	2,721

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1054	Lighting type RC-1 - 2.5x2.5 recessed downlight	EA	288.00	386.00	111,168
2351	Lighting type RC-2 - 2.5x2.5 recessed downlight	EA	16.00	386.00	6,176
1055	Lighting type RDA - 24"x48" recessed food downlight	EA	31.00	395.60	12,265
2352	Lighting type RDB - 24"x24" recessed food downlight	EA	13.00	395.60	5,143
1056	Lighting type RE - 4" dia. recessed downlight	EA	31.00	378.30	11,727
1057	Lighting type RF - 2.5" dia. recessed wall wash	EA	73.00	376.40	27,474
1061	Lighting type RJ - 6"x6" recessed downlight	EA	36.00	410.10	14,765
2353	Lighting type RK - 2.5"x2.5" recessed downlight	EA	8.00	492.10	3,937
2356	Lighting type RL-1 - 2x4 recessed troffer	EA	191.00	395.60	75,569
2358	Lighting type RL-2 - 2x4 recessed troffer	EA	62.00	400.50	24,829
2357	Lighting type RM - 4" dia. recessed downlight	EA	6.00	453.50	2,721
2359	Lighting type RN-1 - 4" dia. recessed downlight	EA	15.00	395.70	5,935
2355	Lighting type RN-2 - 4" dia. recessed downlight	EA	42.00	405.30	17,023
2354	Lighting type RP - 4" dia. recessed wall wash	EA	11.00	443.90	4,883
2360	Lighting type RQ - 4" dia. recessed downlight	EA	25.00	405.30	10,133
1063	Lighting type RLA-1 - recessed linear wall wash	LF	665.00	202.60	134,762
2361	Lighting type RLA-2 - recessed linear wall wash	LF	41.00	231.60	9,496
1064	Lighting type RLB-1 - indirect wall wash	LF	259.00	144.70	37,490
2364	Lighting type RLB-2 - indirect wall wash	LF	653.00	159.20	103,974
2363	Lighting type RLB-3 - indirect wall wash	LF	135.00	164.10	22,147
2362	Lighting type RLB-4 - indirect wall wash	LF	76.00	159.20	12,101
2369	Lighting type RLC - indirect reflector	LF	1,841.00	193.00	355,313
1066	Lighting type RLD-1 - recessed linear	LF	59.00	139.90	8,256
2366	Lighting type RLD-2 - recessed linear	LF	76.00	139.90	10,634
2367	Lighting type RLD-3 - recessed linear	LF	272.00	139.90	38,060
1067	Lighting type RLE - 4' long recessed linear	EA	32.00	403.40	12,908
1068	Lighting type RLF - 48" long in ground linear	EA	10.00	733.40	7,334
2368	Lighting type RLG-1 - indirect wall wash	LF	10.00	820.30	8,203
1070	Lighting type RLH - 3' long semi recessed wall wash	EA	8.00	820.30	6,562
1071	Lighting type SA - 8" dia in-grade uplight wall wash	EA	34.00	810.60	27,560
1072	Lighting type SWA - wall sconce exterior	EA	16.00	820.30	13,124

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1073	Lighting type T1 - pendant rack	LF	65.00	35.70	2,321
1074	Lighting type TA - 3.5" dia. rack spot	EA	25.00	434.20	10,856
1033	Lighting type LPF circle pendant linear (none indicated)	EA	5.00		Excl.
1038	Lighting type LSD surface w/p (none indicated)	EA	164.00		Excl.
1015	Lighting type GPA 48" pendant (none indicated)	EA	2.00		Excl.
1020	Lighting type GPF 118" circle pendant (none indicated)	EA	4.00		Excl.
1021	Lighting type GPH 6" pendant (none indicated)	EA	16.00		Excl.
1022	Lighting type GPJ 30" stem pendant (none indicated)	EA	5.00		Excl.
1026	Lighting type GWA wall cove light (none indicated)	EA	8.00		Excl.
1039	Lighting type LSE linear al channel	EA	25.00	542.30	13,558
1040	Lighting type LSF linear (none indicated)	EA	4.00		Excl.
1043	Lighting type LSI led strip (none indicated)	EA	2.00		Excl.
1045	Lighting type LSK linear strip (none indicated)	EA	4.00		Excl.
1046	Lighting type LSL direct linear (none indicated)	EA	8.00		Excl.
1047	Lighting type PA 8" pendant (none indicated)	EA	12.00		Excl.
1049	Lighting type PC 7" pendant (none indicated)	EA	43.00		Excl.
1050	Lighting type PD 7" pendant (none indicated)	EA	8.00		Excl.
1051	Lighting type PE 30" pendant (none indicated)	EA	5.00		Excl.
1058	Lighting type RG 2 X 4 recessed (none indicated)	EA	14.00		Excl.
1059	Lighting type RH 2 X 4 recessed troffer (none indicated)	EA	49.00		Excl.
1060	Lighting type RI downlight (none indicated)	EA	112.00		Excl.
1062	Lighting type RSA step light (none indicated)	EA	6.00		Excl.
1526	Lighting Exits	EA	151.00	308.80	46,629
1527	Lighting type F1 - 4' long linear	EA	44.00	111.00	4,883
1732	Lighting conduit & wire	EA	1,746.00	178.50	311,705
1743	Lighting control	SF	409,877.00	1.30	514,191
1786	Theater lighting control interface	EA	1.00	5,308.00	5,308
1787	Stage lighting control interface	EA	1.00	4,343.00	4,343

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1788	Lighting control classroom 2 zone control	EA	106.00	1,683.90	178,496
	D5040 - Lighting			13.64/SF	5,189,519
D5080	Miscellaneous Electrical Systems				
647	Lightning protection	SF	409,877.00	0.60	237,319
763	P.V System 249 kw (rough in conduit for future)	EA	1.00	73,147.00	73,147
767	Seismic restraints electrical	SF	409,877.00	0.40	158,213
777	Owner independent testing agency	EA	1.00		Excl.
1738	Electrical permits	SF	409,877.00		Excl.
1739	Electrical testing, documentation & commissioning	SF	409,877.00	1.80	755,991
1740	Electrical firestopping	SF	409,877.00	0.30	118,659
1785	Electrical access panel	EA	1.00	9,245.00	9,245
2565	Temp power	SF	409,877.00	0.70	276,872
2823	BIM	LS	1.00	96,500.00	96,500
	D5080 - Miscellaneous Electrical Systems			4.54/SF	1,725,946
D6060	Distributed Communications and Monitoring				
1737	Clocks backbone wiring	EA	1.00	7,575.00	7,575
1742	Clocks conduit & wire	EA	199.00	313.60	62,411
	D6060 - Distributed Communications and Monitoring			0.18/SF	69,986
	D50 - ELECTRICAL			40.91/SF	15,570,902
D60	COMMUNICATIONS				
D6010	Data Communications				
1676	WAP wireless access point	EA	180.00	820.30	147,645
1736	Data backbone cabling	EA	1.00	82,411.00	82,411
	D6010 - Data Communications			0.60/SF	230,056
D6020	Voice Communications				
640	TV & Video (rough in & equipment) - move to FF&E	SF	409,877.00		Excl.
	D6020 - Voice Communications				Excl.
D6030	Audio-Video Communication				
643	Inst. AV System (rough in & equipment) - move to FF&E	SF	409,877.00		Excl.
1691	Speech reinforcement system SFR rough in	EA	93.00	554.90	51,603

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1695	Video presentation screen outlet (flat screen) rough in	EA	94.00	1,447.50	136,065
1741	Sound conduit & wire	EA	696.00	603.10	419,775
2532	Tel/Data A/V cabling system rough in	SF	409,877.00	1.90	771,999
2533	IPTV and Video on demand system	EA	1.00		Excl.
2534	Large venue A/V system	EA	1.00	482,983.00	482,983
2535	Classroom speech reinforcement system	EA	1.00	214,423.00	214,423
2536	Inst. A/V system	EA	1.00		Excl.
2537	P.A. system	EA	1.00	291,430.00	291,430
	D6030 - Audio-Video Communication			6.22/SF	2,368,278
D6060	Distributed Communications and Monitoring				
2538	Clock system	EA	1.00	129,310.00	129,310
2828	Supervision and documentation	SF	409,877.00	0.60	237,319
	D6060 - Distributed Communications and Monitoring			0.96/SF	366,629
	D60 - COMMUNICATIONS			7.79/SF	2,964,963
D70	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
1733	Security conduit & wire	EA	273.00	265.40	72,447
	D7010 - Access Controls and Intrusion Detection			0.19/SF	72,447
D7030	Electronic Surveillance				
760	Vape detection system rough in	EA	1.00	35,666.00	35,666
1685	CCTV cameras rough in	EA	160.00	1,626.00	260,164
1778	Security conduit & wire	EA	160.00	723.80	115,800
1779	Security backbone cabling	EA	1.00	7,961.00	7,961
2539	Security system & CCTV	EA	1.00	771,999.00	771,999
	D7030 - Electronic Surveillance			3.13/SF	1,191,590
D7050	Detection and Alarm				
1628	Fire Alarm-Head end, mapping, programming and integration	LS	1.00	268,270.00	268,270
1629	Fire alarm control panel	EA	1.00	11,773.00	11,773
1630	Fire alarm annunciator	EA	17.00	9,505.20	161,589
1631	Fire alarm pull station	EA	40.00	627.30	25,090

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1632	Fire alarm smoke detector	EA	228.00	313.60	71,507
1636	Fire alarm audio/visual alarm	EA	487.00	395.70	192,682
1637	Fire alarm audio only alarm	EA	45.00	371.50	16,719
1640	Fire alarm flow and tamper switch	EA	126.00	540.40	68,090
1643	Fire alarm testing & commissioning	EA	972.00	241.30	234,495
1734	Fire alarm conduit & wire	EA	943.00	265.40	250,249
1780	Fire alarm communication system interface	EA	1.00	4,420.00	4,420
1782	Kitchen fire suppression connection (sbo)	EA	1.00	8,203.00	8,203
2827	Low voltage systems supervision and documentation	SF	409,877.00	0.60	237,319
	D7050 - Detection and Alarm			4.07/SF	1,550,406
D7090	Electronic Safety and Security Supplementary Components				
761	Visitor management system rough in	EA	1.00	4,825.00	4,825
810	Gun/gunshot detection system	EA	1.00	24,125.00	24,125
	D7090 - Electronic Safety and Security Supplementary Components			0.08/SF	28,950
	D70 - ELECTRONIC SAFETY AND SECURITY			7.47/SF	2,843,393
E10	EQUIPMENT				
E1040	Institutional Equipment				
340	Fixed audience seating (Multipurpose Room)	EA	546.00	579.00	316,134
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	89.00		Incl.
344	Large format digital information display (Cafeteria Commons)	EA	4.00		Incl.
2573	Fume hoods, ductless	EA	6.00	14,475.00	86,850
	E1040 - Institutional Equipment			1.06/SF	402,984
E1070	Entertainment and Recreational Equipment				
2506	Rooftop playground equipment; Composite sensory panel	LS	1.00		Excl.
2507	Rooftop playground equipment; Rhapsody vibra chimes	EA	3.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
363	Rooftop playground equipment; 2-5 spinner - none indicated	EA	1.00		Excl.
365	Rooftop playground equipment; 2-5 main play structure - none indicated	EA	1.00		Excl.
1705	Rooftop playground equipment; Dome climber - none indicated	EA	1.00		Excl.
364	Rooftop playground equipment; PIP rubber mound with composite wood arch bridge - none indicated	EA	1.00		Excl.
366	Rooftop playground equipment; PIP rubber mound with embankment slide - none indicated	EA	1.00		Excl.
E1070 - Entertainment and Recreational Equipment					Excl.
E1090	Other Equipment				
345	Food service equipment (Main Kitchen & Culinary Kitchen)	LS	1.00	2,315,998.00	2,315,998
2583	Food service equipment - adjustment per reconciliation	LS	1.00	-48,250.00	-48,250
1799	Loading dock equipment	EA	1.00	2,413.00	2,413
1800	Extended scissor alignment lift rack (12,000 lbs.)	EA	1.00	16,646.00	16,646
890	Move Automotive Refinishing, Automotive Technology Lifts, HVAC & Plumbing Equipment, Dental, and Carpentry (FF&E)	LS	1.00		Excl.
322	Custom display cases	Item			48,250
729	Custom bench with solid surface bench top	LF	298.00	482.50	143,785
730	Custom reception desk with solid surface top	LF	28.00	965.00	27,020
2491	Custom desk (Media Center)	LF	40.00	965.00	38,600
2490	Custom cafe counter with quartz countertop	LF	27.00	965.00	26,055
1700	Base cabinet with solid surface counter (School Store)	LF	11.00	772.00	8,492
2489	Base cabinet with solid surface island (School Store)	LF	11.00	965.00	10,615
1699	HAVC workstation countertop	EA	48.00	482.50	23,160
1703	Workshop countertop (Robotics)	LF	29.00	96.50	2,799
1698	Locker bench, 10" deep	LF	69.00	120.60	8,323
2756	Locker bench, 2'-0" deep	LF	31.00	144.70	4,487
1704	Dish return counter	LF	4.80	265.40	1,274

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2571	Furnish and install Cosmetology equipment, etc.	LS	1.00	255,725.00	255,725
2572	Install owner furnished equipment	LS	1.00	95,535.00	95,535
1809	Workshop equipment (with FF&E)	LS	1.00		Excl.
1762	Casework: Solid surface countertop, plastic laminate	LF	1,148.00	193.00	221,564
1769	Casework: Stainless steel countertop	LF	597.00	434.20	259,247
1763	Casework: Full height cabinet	LF	380.00	723.80	275,025
1765	Casework: Base cabinet with solid surface countertop	LF	1,569.00	434.20	681,337
1766	Casework: Upper cabinet	LF	988.00	241.30	238,355
2493	Casework; Mail slots cabinet	LF	12.00	1,447.50	17,370
1770	Casework; 2-Layer shelf	LF	79.00	289.50	22,871
2494	Casework; Full height 3-layer locker	LF	3.00	965.00	2,895
2497	Casework; 1-layer locker	LF	5.00	482.60	2,413
2758	Casework; 6'-10" high 3-layer cosmetology locker	LF	36.00	482.50	17,370
2495	Casework; 4'-0" high cubicle	LF	30.00	772.00	23,160
2496	Casework; File cabinet	LF	14.00	1,158.00	16,212
2499	Casework; Full height storage cabinet with glass door	LF	4.00	1,447.50	5,790
2500	8" UC Student booth (Plumbing & Pipefitting)	EA	14.00		Incl.
2501	LC Student booth (Plumbing & Pipefitting)	EA	14.00		Incl.
2502	Student booth (Electrical Technology)	EA	38.00		Incl.
2515	Student booth (HVAC Technology)	EA	48.00		Incl.
2584	Casework reconciliation adjustment	LS	1.00	-231,600.00	-231,600
1808	Residential equipment	Set	4.00	4,825.00	19,300
1801	Theater rigging	LS	1.00	193,000.00	193,000
1802	Gymnasium wall padding	SF	1,035.00	28.90	29,963
1803	Gymnasium batting cage	EA	1.00	5,308.00	5,308
1811	Gymnasium flexible stainless steel safety netting	SF	2,491.00	28.90	72,114
1804	Gymnasium dividers	SF	2,582.00	19.30	49,833
1805	Gymnasium basketball backdrop	EA	6.00	9,650.00	57,900
1806	Electronic scoreboards and shot clocks	LS	1.00	38,600.00	38,600

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1807	Telescoping bleachers (Gymnasium)	LS	1.00	221,950.00	221,950
	E1090 - Other Equipment			13.72/SF	5,220,904
	E10 - EQUIPMENT			14.78/SF	5,623,888
E20	FURNISHINGS				
E2010	Fixed Furnishings				
323	Window roller shades, manual operated (Classrooms, Science Labs, Art rooms)	SF	27,761.20	9.70	267,896
803	Window roller shades, manual operated	EA	174.00		Incl.
324	Window roller shades, electrically operated (Media Center)	SF	2,314.00	19.30	44,660
325	Vertical blinds, manual operated (Administration)	SF	588.00	11.60	6,809
326	Tension shade system, electrically operated (Dome skylight) - none indicated	SF	750.00		Excl.
2826	Additional furnishing allowance	LS	1.00	15,000.00	15,000
	E2010 - Fixed Furnishings			0.88/SF	334,365
	E20 - FURNISHINGS			0.88/SF	334,365
F20	FACILITY REMEDIATION				
D2030	Building Support Plumbing Systems				
2651	5", Storm drain piping c/w fittings, supports - Ag	LF	63.00	53.10	3,344
	D2030 - Building Support Plumbing Systems			0.01/SF	3,344
	F20 - FACILITY REMEDIATION			0.01/SF	3,344
G30	LIQUID AND GAS SITE UTILITIES				
G3010	Water Utilities				
1381	6", Ductile iron pipe	LF	95.99		Incl.
1448	Cleaning, testing, trace wiring etc.	LF	95.82		Incl.
569	Excavation and backfill (with site preparation)	LF	95.82		Incl.
	G3010 - Water Utilities				Incl.

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G3090	Liquid and Gas Site Utilities Supplementary Components				
1798	General requirements: supervision, shop drawings, as-built drawings, equipment rentals, fees, permits, etc.	Item			Incl.
	G3090 - Liquid and Gas Site Utilities Supplementary Components				Incl.
	G30 - LIQUID AND GAS SITE UTILITIES				Incl.
NEW SCHOOL BUILDING				422.20/SF	160,676,975

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2 SUMMARY

BD BASE DESIGN

A Building

A3 Maintenance Building

Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
A10	Foundations		76,380
A20	Basement Construction Subgrade Enclosures		295,576
A40	Slabs-on-Grade		129,158
A60	Water and Gas Mitigation		Incl.
A90	Substructure Related Activities		Incl.
MAINTENANCE BUILDING			501,114

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2 SUMMARY

BD BASE DESIGN

A Building

A3 Maintenance Building

Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS			
	Design & Estimating Contingency		7,517
	Escalation Allowance up to mid-point of Construction (3/2025)		15,259
	Sub-contractor Bonds		6,287
	Insurance - CCIP (Change from GL)		17,003
	Cost of Traditional Insurance (Trade + GL) - Savings		Incl.
	Builder's Risk Insurance (per CM Pricing Exhibit 1)		909
	Payment & Performance Bond (per CM Pricing Exhibit 1)		4,603
	General Conditions (per CM Pricing Exhibit 1)		24,097
	Field Office Support		4,214
	General Requirements (per CM Pricing Exhibit 1)		12,522
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1		2,114
	CM Construction Contingency (per CM Pricing Exhibit 1)		13,392
	CM Fee (per CM Pricing Exhibit 1)		10,460
ESTIMATED TOTAL COST			619,491

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A3 Maintenance Building

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
A10	FOUNDATIONS				
A1010	Standard Foundations				
529	Concrete to perimeter strip footings - 1' thick, 4500 PSI	CY	33.20	313.60	10,412
1000	Concrete to interior strip footings, 4500 PSI	CY	32.82	313.70	10,294
530	Form strip footings	SF	1,774.88	19.30	34,256
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	6,573.19	1.70	11,418
2776	BP 31A - Perforated PVC foundation drainage	LS	1.00	10,000.00	10,000
	A1010 - Standard Foundations				76,380
	A10 - FOUNDATIONS				76,380
A20	BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES				
A2010	Walls for Subgrade Enclosures				
598	Concrete to perimeter frost walls, 4500 PSI	CY	90.99	313.60	28,537
1122	Concrete to interior foundation walls, 4500 PSI	CY	57.41	313.60	18,005
605	Form perimeter frost walls	SF	4,908.15	24.10	118,408
1123	Form interior foundation walls	SF	3,088.43	24.10	74,508
608	Bar reinforcement to perimeter frost walls	Lb	8,957.21	1.70	15,559
1124	Bar reinforcement to interior foundation walls	Lb	9,034.05	1.70	15,692
617	Dampproofing to frost wall	SF	2,454.16	5.80	14,210
618	Rigid insulation - 2" thick	SF	2,454.04	4.30	10,657
	A2010 - Walls for Subgrade Enclosures				295,576
	A20 - BASEMENT CONSTRUCTIONSUBGRADE ENCLOSURES				295,576
A40	SLABS-ON-GRADE				
A4010	Standard Slabs-on-Grade				
933	Concrete to slab on grade - 5" thick, 4500 PSI	CY	154.30	313.60	48,392
502	Form slab on grade	SF	184.26	17.40	3,201
2585	Fiber reinforcement to slab on grade	CY	153.79	57.90	8,904
698	Allowance for bar reinforcement	Lb	4,981.27	1.70	8,652
504	Float finish to slab on grade	SF	9,962.47	1.40	14,421
505	Control joints	SF	9,962.47	0.80	7,691
506	Air and vapor barrier	SF	9,962.47	0.90	8,652

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM BD BASE DESIGN

A Building

A3 Maintenance Building (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
508	Excavation for slab on grade	CY	584.28		Incl.
509	Remove and dispose of excavated material	CY	584.28		Incl.
510	Prepare and compact sub-base	SF	9,962.47		Incl.
513	Re-use materials ILO Imported sand gravel fill - 12" thick	CY	369.02		Incl.
710	Engineering, layout, safety, cleaning, etc.	Item			2,325
	A4010 - Standard Slabs-on-Grade				102,238
A4090	Slab-on-Grade Supplementary Components				
656	Rigid insulation - 1" thick	SF	9,962.80	2.70	26,920
	A4090 - Slab-on-Grade Supplementary Components				26,920
	A40 - SLABS-ON-GRADE				129,158
A60	WATER AND GAS MITIGATION				
A6010	Building Subdrainage				
2806	BP 31A - Recommended amount	LS	1.00		Incl.
619	Perimeter drain	LF	454.20		Incl.
686	Under-slab drainage system	SF	9,962.47		Incl.
	A6010 - Building Subdrainage				Incl.
	A60 - WATER AND GAS MITIGATION				Incl.
A90	SUBSTRUCTURE RELATED ACTIVITIES				
A9010	Substructure Excavation				
591	Excavation for foundation footings including spoils removal	CY	625.79		Incl.
593	Prepare and compact foundation sub-base	SF	1,774.76		Incl.
594	Imported sand gravel fill below foundations - 12" thick	CY	65.75		Incl.
620	Imported foundation backfill	CY	346.24		Incl.
	A9010 - Substructure Excavation				Incl.
	A90 - SUBSTRUCTURE RELATED ACTIVITIES				Incl.
MAINTENANCE BUILDING					501,114

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2 SUMMARY

BD Base Design

B Sitework

Rates Current At May 2023

Ref	Description	Total Cost USD
D10	Conveying	Excl.
D20	Plumbing	Excl.
G10	Site Preparation	12,752,385
G20	Site Improvements	11,748,234
G30	Liquid and Gas Site Utilities	4,699,674
G40	Electrical Site Improvements	3,820,576
G50	Site Communications	325,842
G90	Miscellaneous Site Construction	Excl.
Z10	General Requirements	1,803,000
SITEWORK		35,149,711

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2 SUMMARY

BD Base Design

B Sitework

Rates Current At May 2023

Ref	Description	Total Cost USD
MARGINS & ADJUSTMENTS		
	Design & Estimating Contingency	527,246
	Escalation Allowance up to mid-point of Construction (3/2025)	1,070,308
	Sub-contractor Bonds	440,966
	Insurance - CCIP (Change from GL)	1,192,673
	Cost of Traditional Insurance (Trade + GL) - Savings	Incl.
	Builder's Risk Insurance (per CM Pricing Exhibit 1)	63,729
	Payment & Performance Bond (per CM Pricing Exhibit 1)	322,897
	General Conditions (per CM Pricing Exhibit 1)	1,690,208
	Field Office Support	295,607
	General Requirements (per CM Pricing Exhibit 1)	878,323
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1	148,301
	CM Construction Contingency (per CM Pricing Exhibit 1)	939,371
	CM Fee (per CM Pricing Exhibit 1)	733,680
ESTIMATED TOTAL COST		43,453,020

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D10	CONVEYING				
D1010	Vertical Conveying Systems				
752	Passenger elevator, 2 stops	EA	1.00		Excl.
	D1010 - Vertical Conveying Systems				Excl.
	D10 - CONVEYING				Excl.
D20	PLUMBING				
D2030	Building Support Plumbing Systems				
1760	Allowances for sump pump for press booth	No	1.00		Excl.
	D2030 - Building Support Plumbing Systems				Excl.
	D20 - PLUMBING				Excl.
G10	SITE PREPARATION				
G1010	Site Clearing				
2767	BP 31A - Recommended amount - clearing and grubbing (Phase 1 allowance)	LS	1.00	117,600.00	117,600
2847	BP 31A - Recommended amount - clearing and grubbing (Phase 2 allowance)	LS	1.00	78,400.00	78,400
676	Clearing and grubbing	Acre	34.900		Incl.
677	Tree removal	EA	100.00		Incl.
2848	BP 31A - Recommended amount - strip site including disposal (Phase 1)	LS	1.00	420,000.00	420,000
2849	BP 31A - Recommended amount - strip site including disposal (Phase 2)	LS	1.00	314,412.00	314,412
	G1010 - Site Clearing				930,412
G1020	Site Elements Demolition				
2768	BP 31A - Recommended amount	LS	1.00	320,181.00	320,181
523	Remove and dispose of existing catch basins	EA	33.00		Incl.
524	Remove and dispose of existing manholes	EA	23.00		Incl.
1841	Remove and dispose of existing hydrant	EA	3.00		Incl.
525	Remove and dispose existing utilities piping including excavation and backfill	LF	7,868.00		Incl.
526	Protect and maintain existing hydrant	EA	1.00		Incl.
1839	Maintain and protect manhole/catch basin/drain line/water line	EA	19.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
527	Cap water main	EA	3.00		Incl.
1842	Allowances for plugging pipes	EA	4.00		Incl.
533	Break-out and remove existing pavements	SF	261,335.00		Incl.
534	Break-out and remove existing basketball courts	SF	12,883.00		Incl.
536	Remove and dispose existing light poles and associated wiring	EA	16.00		Incl.
541	Remove and dispose existing light sconces and associated wiring	EA	25.00		Incl.
544	Remove and dispose of existing fencing	LF	1,920.00		Incl.
545	Remove and dispose of existing metal guardrail	LF	741.00		Incl.
555	Remove and dispose of buried fuel tanks	EA	2.00		Incl.
556	Remove and dispose of above grade gas tanks	EA	4.00		Incl.
557	Remove and dispose of sliding gate	EA	6.00		Incl.
559	Remove and dispose of jersey barrier	LF	40.00		Incl.
560	Remove and dispose of trailers	EA	4.00		Incl.
1439	Remove and dispose backstop	LF	196.00		Incl.
561	Allowance for miscellaneous site demolition not indicated on plans	SF	1,517,556.00		Incl.
762	Existing building electrical demolition (phased)	EA	1.00		Incl.
1442	Remove and dispose benches	EA	2.00		Incl.
1443	Demolish concrete retaining walls	LF	66.00		Incl.
1444	Remove and dispose of recreational equipment	LS	1.00		Incl.
G1020 - Site Elements Demolition					320,181
G1070	Site Earthwork				
2784	BP 31A - Recommended amount - rock excavation	LS	1.00	7,916,599.00	7,916,599
2785	BP 31A - Recommended amount - fill and borrow (Phase 1)	LS	1.00	393,776.00	393,776
2850	BP 31A - Recommended amount - fill and borrow (Phase 2)	LS	1.00	212,312.00	212,312
2786	BP 31A - Recommended amount - erosion & sediment control (Phase 2)	LS	1.00	138,000.00	138,000
2851	BP 31A - Recommended amount - erosion & sediment control (Phase 3)	LS	1.00	100,918.00	100,918

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2787	BP 31A - Recommended amount - excavation and backfill	LS	1.00	2,100,187.00	2,100,187
2852	BP 31A - Recommended amount - excavation and backfill (site improvements)	LS	1.00	640,000.00	640,000
666	Excavate to proposed level	CY	59,189.00		Incl.
667	Excavate to proposed level, rock excavation including survey, drilling, stockpile, striping, etc.	CY	162,710.00		Incl.
1813	Miscellaneous trenching, etc.	CY	14,666.00		Incl.
668	Fill to proposed level using excavated materials	CY	108,316.00		Incl.
1697	Remove excess materials from site	CY	96,724.00		Incl.
2568	Striping including spoil removal (Phase 1)	CY	10,000.00		Incl.
2569	Strip and stockpile for re-use (Phase 2)	CY	7,600.00		Incl.
669	Allowance for fine grading	SF	1,451,369.00		Incl.
673	Inlet protection	EA	143.00		Incl.
674	Construction entrance	EA	3.00		Incl.
675	Haybale and silt fencing including maintenance	LF	10,585.00		Incl.
1828	Erosion control blankets and mats	LS	1.00		Incl.
1829	Additional erosion control maintenance and removal	LS	1.00		Incl.
733	Excavate for roadway paving	CY	3,758.00		Incl.
1482	Remove spoils from site (roadway)	CY	3,758.00		Incl.
738	Excavate for parking lot paving	CY	11,646.00		Incl.
1476	Remove spoils from site (parking lot paving)	CY	11,646.00		Incl.
743	Excavate for walkways paving	CY	2,758.40		Incl.
1518	Remove spoils from site (walkways paving)	CY	2,758.40		Incl.
755	Excavate athletic fields	CY	4,890.70		Incl.
1826	Remove spoils from site (athletic fields)	CY	4,890.70		Incl.
1814	Allowance for rock scaling	LS	1.00		Incl.
2618	Raise dropped footing to within 5' depth	LS	1.00		Incl.
G1070 - Site Earthwork					11,501,792
G10 - SITE PREPARATION					12,752,385

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G20	SITE IMPROVEMENTS				
G2010	Roadways				
2788	BP 31A - Recommended amount - rip rap slopes	LS	1.00	245,025.00	245,025
2789	BP 31A - Recommended amount - bituminous bedding	LS	1.00	236,077.00	236,077
2793	BP 31A - Recommended amount - bituminous paving	LS	1.00	959,080.00	959,080
734	Prepare and compact subbase	SF	96,239.00		Incl.
2790	BP 31A - Recommended amount - curbs	LS	1.00	642,579.00	642,579
736	Granular fill, 12" thick, re-use excavated materials	CY	3,565.00		Incl.
247	Vehicular asphalt paving, 4" overall thickness	SY	10,694.00		Incl.
1483	Imported compacted gravel borrow	CY	2,377.00		Excl.
1484	Imported dense grade crushed stone	CY	1,189.00		Excl.
248	Vertical granite curb	LF	6,479.00		Incl.
828	Cape cod berm	LF	851.00		Incl.
258	Riprap swale (re-use existing or blasted materials)	SF	62,683.00		Incl.
737	Pavement markings	SF	96,239.00		Incl.
G2010 - Roadways					2,082,761
G2020	Parking Lots				
740	Prepare and compact subbase	SF	244,704.00		Incl.
742	Granular fill, re-use excavated materials	CY	9,064.00		Incl.
1480	Imported compacted gravel borrow	CY	6,141.00		Excl.
1481	Imported dense grade crushed stone	CY	2,923.00		Excl.
253	Asphalt paving, 4" overall thickness	SY	26,303.00		Incl.
290	Vehicular concrete paving, 6" thick	SY	888.00	111.00	98,546
255	Vertical granite curb	LF	4,359.00		Incl.
671	Cape cod berm	LF	5,174.00		Incl.
262	Accessible pavement markings	SF	5,025.00	3.20	16,003
263	Crosswalk markings	SF	1,282.00	3.20	4,083
265	EV pavement markings	EA	10.00	579.00	5,790
266	Electric vehicle charging station (refer to Site Electrical)	EA	5.00		Incl.
261	Green vehicle pavement markings	EA	22.00	820.20	18,045

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
257	Handicap vehicle pavement markings	EA	19.00	627.30	11,918
357	Parking line marking	LF	8,476.00	5.50	46,622
G2020 - Parking Lots					201,007
G2030	Pedestrian Plazas and Walkways				
2791	BP 31A - Recommended amount - bituminous bedding	LS	1.00	64,878.00	64,878
2792	BP 31A - Recommended amount - bituminous paving	LS	1.00	146,340.00	146,340
745	Prepare and compact subbase	SF	76,453.10		Incl.
746	Granular fill, re-use excavated materials	CY	1,939.20		Incl.
1519	Imported compacted gravel borrow	CY	1,188.20		Excl.
1520	Imported dense grade crushed stone	CY	599.00		Excl.
256	Asphalt walkway pavement	SY	5,389.00		Incl.
718	Vehicular concrete walkway	SY	456.00	111.00	50,605
264	Accessible curb ramp	SF	1,423.00		Incl.
362	Concrete walkway paving	SF	23,864.10	12.50	299,375
367	Detectable warning	SF	377.00	43.40	16,371
G2030 - Pedestrian Plazas and Walkways					577,569
G2050	Athletic, Recreational, and Playfield Areas				
2794	BP 31A - Recommended amount - athletic fields subbase	LS	1.00	650,000.00	650,000
757	Prepare and compact subbase	SF	135,609.00		Incl.
758	Granular base to athletic fields, re-use excavated materials	CY	2,511.30		Incl.
1573	Imported compacted gravel borrow	CY	66.50		Incl.
1574	Imported dense grade crushed stone	CY	2,445.30		Incl.
2567	Repair existing irrigation affected by infiltration construction	SF	80,549.20	1.00	77,730
389	Natural grass to Football Court/Field	SF	78,287.50	3.90	302,190
2396	Irrigation to Football Court/Field natural grass turf	SF	78,287.50	1.40	113,321
405	Urethane resilient track surfacing (D-Zone)	SF	21,811.00	24.10	526,191
404	Urethane resilient track surfacing on asphalt (6-Lane Track)	SF	31,943.00	24.10	770,626
693	6'-0" High BVC chainlink fence	LF	413.10	91.70	37,870

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
397	4'-0" High BVC chainlink fence	LF	1,505.20	57.90	87,151
398	4'-0" High BVC chainlink fence single leaf gate	EA	3.00	337.70	1,013
694	4'-0" High BVC chainlink fence double leaf gate	EA	2.00	675.50	1,351
697	Shotput cage - allow 20' high	LF	69.00	168.90	11,652
406	Trench drain	LF	1,307.00	96.50	126,125
396	Electronic scoreboard - steel posts with concrete footing	EA	1.00	7,720.00	7,720
417	Football goal post and footing	EA	2.00	19,300.00	38,600
416	20'-0" high sports netting	LF	397.80	482.50	191,938
418	Long jump runway	SF	1,908.00		Incl.
419	Long jump pit	SF	755.00	62.70	47,357
420	Shotput throwing pad and landing sector	SF	200.00		Incl.
1706	Cast-in-place grandstand footings, 2' dia x 5' deep	EA	24.00	820.30	19,686
2484	Cast-in-place slab on grade for grandstand, 4" deep	SF	3,072.10	6.80	20,752
2485	Cast-in-place slab on grade for grandstand, 5" deep	SF	496.50	10.60	5,270
2486	Cast-in-place grade beam for grandstand, 1'-0" wide x 3'-6" deep	LF	135.00	202.70	27,358
2487	Galvanized structural steel supporting framing	T	24.7200		Incl.
690	Asphalt pad	SY	46.00	57.90	2,663
695	Pole vault runway	SF	633.00		Incl.
696	Pole vault box	EA	1.00	1,930.00	1,930
699	Aluminum bleacher system including and ramp - Football field, 500 person	LS	1.00	332,925.00	332,925
701	Outdoor fitness equipment - by Owner	EA	5.00		Excl.
770	Exterior scoreboard football	EA	1.00	96,500.00	96,500
G2050 - Athletic, Recreational, and Playfield Areas					3,497,919
G2060	Site Development				
2795	BP 31A - Recommended amount - segmental retaining wall	LS	1.00	172,200.00	172,200
2796	BP 31A - Recommended amount - retaining wall stone base	LS	1.00	50,750.00	50,750
259	Steel guardrail along access ways	LF	4,302.00	67.50	290,600
260	Segmented retaining wall	LF	495.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2762	Curved Gabion seat with wall mount wood topper, 18" x 18" W	LF	36.00	1,061.50	38,214
271	Curved Gabion seat with wall mount wood topper, 18" x 24" W	LF	48.00	1,061.50	50,952
2763	Straight recycled plastic bench, 2' x 5'	EA	3.00	2,123.00	6,369
2764	Cafe wood stools, 18"H x 15" square	EA	28.00	772.00	21,616
1583	Cafe wood back chair	EA	24.00		Excl.
289	Dumpster - by Owner	EA	2.00		Excl.
369	Exterior steel bollard	EA	56.00	723.80	40,530
2419	Metal roof screen panel and gate, 8'-0" high	LF	97.00	144.80	14,041
372	4'-0" High ornamental fence	LF	16.00	337.80	5,404
377	8'-0" High chain link double leaf gate	Pair	6.00	916.70	5,500
378	8'-0" High BVC chainlink fence	LF	116.00	115.80	13,433
2416	6'-0" High BVC chainlink fence	LF	35.00	91.70	3,209
2417	6'-0" High chain link double leaf gate	Pair	1.00	868.00	868
2420	4'-0" High chainlink fence at top of rock face cut	LF	760.00	72.40	55,005
2759	8'-0" High horizontal wood slat fence	LF	177.00	144.80	25,621
380	Equipment concrete pad	SF	579.00	28.90	16,762
381	Wood deck	SF	401.00		Excl.
399	Pre-engineered elevated boardwalk ramping system	SF	8,731.70	115.80	1,011,132
1575	Pre-engineered stairs	SF	424.40	154.40	65,527
402	Handrail to stairs / ramps	LF	100.00	144.80	14,475
2753	Boardwalk guardrail comprising of welded wiremesh and steel post and framing	LF	2,499.50	337.80	844,207
373	CIP Retaining wall/ bench shelf	CY	74.00	1,737.00	128,538
728	CIP strip footing for retaining walls/bench shelf	CY	89.00	965.00	85,885
1584	Backless straight inline bench, 23.5" x 87.5" L	EA	5.00		Excl.
1585	Backed straight inline bench, 23.5" x 87.5" L	EA	3.00		Excl.
1586	Cafe table, 36" square	EA	13.00	2,702.00	35,126
2765	Cafe metal chairs	EA	24.00	675.50	16,212
2766	Cafe counter height table	EA	3.00	2,702.00	8,106
1588	Playground picnic table/bench	EA	1.00	4,439.00	4,439

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1589	Trash receptacle, 50 liter capacity	EA	6.00	1,737.00	10,422
1590	"Flo" bike racks	EA	3.00	1,447.30	4,342
2414	Sliding vehicular metal gate, 46' L x 3' Ht.	EA	1.00	24,125.00	24,125
2415	Swing vehicular swing gate, 22' long	EA	2.00	4,825.00	9,650
2754	Swing vehicular swing gate, 26' long	EA	1.00	5,790.00	5,790
2418	Flush cast-in-place concrete wall	LF	42.00	241.20	10,132
2755	Allowance for free-standing wildlife barrier	LF	692.00	28.90	20,033
G2060 - Site Development					3,109,215
G2080	Landscaping				
789	Imported planting mix	CY	5,181.40	57.90	300,003
2542	Use stockpile material	CY	5,181.40		Excl.
2809	Additional planting materials per reconciliation	CY	18,961.00	57.90	1,097,844
407	Low mow lawn	SF	310,127.50	0.50	149,637
1646	Restoration seed mix	SF	36,418.00	0.40	14,057
791	Lawn irrigation system - not required	SF	310,127.50		Excl.
2760	Reclaim granite seat block/tailings, various weights (per section 323000)	EA	20.00	1,447.50	28,950
2761	On-site salvage landscape boulder	EA	30.00	6,272.50	188,175
2401	Seeding lawn prospect athletic fields	SF	199,762.90	1.00	192,771
1595	Trees	Note			
1596	October glory red maple, 3.0-3.5" Cal.	EA	3.00	1,158.00	3,474
1597	Red maple, 1" Cal.	EA	7.00	675.40	4,728
1598	Dawn redwood, 3" Cal.	EA	6.00	1,158.00	6,948
1599	White oak, 1.5" Cal.	EA	8.00	675.50	5,404
1600	Burr oak, 2-2.5" Cal.	EA	9.00	965.00	8,685
1601	Deciduous Trees	Note			
1602	Redpointe maple, 2.5-3" Cal.	EA	7.00	965.00	6,755
1603	Sugar maple, 2.5" Cal.	EA	3.00	965.00	2,895
1604	Clump paper birch, 7-8' Ht.	EA	7.00	772.00	5,404
1605	Dura heat river birch, 6-7' Ht.	EA	2.00		Excl.
1606	Heritage birch, 10-12' Ht.	EA	6.00	1,158.00	6,948
1607	Whitespire birch, 12-14' Ht.	EA	6.00	1,158.00	6,948

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1608	Renaissance upright paper birch, 10-12' Ht.	EA	9.00	1,158.00	10,422
1609	American beech, 2-2.5" Cal.	EA	5.00	965.00	4,825
1610	Black gum, 2.5" Cal.	EA	8.00	965.00	7,720
1611	Swamp white oak, 3" Cal.	EA	4.00	1,158.00	4,632
1612	Red oak, 2.5-3" Cal.	EA	12.00	965.00	11,580
1613	American elm, 2.5-3" Cal.	EA	17.00	965.00	16,405
1614	Evergreen Trees	Note			
1615	Eastern red cedar, 7-8' Ht.	EA	7.00	772.00	5,404
1616	Pitch pine, 6-7' Ht.	EA	7.00	772.00	5,404
1617	White pine, 8-10' Ht.	EA	15.00	772.00	11,580
1618	White pine, 5-6' Ht.	EA	6.00	482.50	2,895
1619	Ornamental Trees	Note			
1620	Downy serviceberry, 4.5-5' Ht.	EA	6.00		Excl.
1621	"Autumn Brilliance" serviceberry, 7-8' Ht.	EA	17.00	772.00	13,124
1622	Donald wyman crabapple, 2-2.5" Cal.	EA	6.00	965.00	5,790
2705	Autumn flowering cherry, 3" Cal.	EA	1.00	1,158.00	1,158
1623	Ground Covers	Note			
1624	Pennsylvania sedge, plugs	EA	2,592.00	9.70	25,013
1625	Shrubs	Note			
1626	Gro-low fragrant sumac, 1 Gal.	EA	202.00	19.30	3,899
2425	Invasive Species Management and/or Buffer Zone Planting	Note			
2426	Red maple, 3-4' Ht.	EA	17.00	434.20	7,382
2427	Yellow birch, 3-4' Ht.	EA	4.00		Excl.
2428	Winterberry, 3-4' Ht.	EA	6.00		Excl.
2429	Common spicebush, 3-4' Ht.	EA	6.00		Excl.
2430	Sweet pepperbush, 3-4' Ht.	EA	8.00		Excl.
2431	Cinnamon fern, 1#	EA	20.00		Excl.
2432	Skunk cabbage, 1#	EA	20.00		Excl.
2433	Tussock sedge, 2" plug	EA	40.00		Excl.
2434	Soft rush, 2" plug	EA	20.00		Excl.
2435	Cardinal flower, 2" plug	EA	20.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2436	White wood aster, 2" plug	EA	20.00		Excl.
2437	Great blue lobelia, 2" plug	EA	20.00		Excl.
2439	Red oak, 3-4' Ht.	EA	12.00	434.30	5,211
2440	Pignut hickory, 3-4' Ht.	EA	4.00		Excl.
2441	Eastern white pine, 3-4' Ht.	EA	4.00		Excl.
2442	Witch hazel, 3-4' Ht.	EA	8.00	434.30	3,474
2443	Sassafras, 3-4' Ht.	EA	5.00		Excl.
2444	Nannyberry, 3-4' Ht.	EA	5.00		Excl.
2707	Speckled alder, 3-4' Ht.	EA	8.00	434.30	3,474
2708	Serviceberry, 3-4' Ht.	EA	5.00	434.20	2,171
2709	Northern arrowwood, 3-4' Ht.	EA	8.00	434.30	3,474
2710	Red-Osler dogwood, 3-4' Ht.	EA	5.00	434.20	2,171
2711	Black chokeberry, 3-4' Ht.	EA	5.00	434.20	2,171
2712	Highbush blueberry, 3-4' Ht.	EA	21.00	434.20	9,119
2713	White oak, 3-4' Ht.	EA	9.00	434.20	3,908
2714	Sugar maple, 3-4' Ht.	EA	7.00	434.30	3,040
2715	Nannyberry, 3-4' Ht.	EA	15.00	434.30	6,514
2716	Maple leaf viburnum, 3-4' Ht.	EA	11.00	434.30	4,777
2717	Common with hazel, #2	EA	44.00	434.30	19,107
2718	White pine, 2' Ht.	EA	33.00	434.20	14,330
2719	White oak, 0.75" Cal.	EA	11.00	434.30	4,777
2720	Red oak, 1" Cal.	EA	21.00	434.20	9,119
2721	Highbush blueberry, #2	EA	37.00	434.20	16,067
G2080 - Landscaping					2,279,763
G20 - SITE IMPROVEMENTS					11,748,234
G30	LIQUID AND GAS SITE UTILITIES				
G3010	Water Utilities				
2797	BP 31A - Recommended amount	LS	1.00	761,310.00	761,310
1967	Connect proposed water main to existing 1/2" water line	EA	1.00		Incl.
1375	Connect to existing water line on old Nahant road - allow 100ft	EA	1.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1386	Remove existing fitting and connect to main existing	EA	1.00		Incl.
1383	Connection to building	EA	2.00		Incl.
1374	8", Ductile iron pipe	LF	6,155.00		Incl.
1381	6", Ductile iron pipe	LF	403.01		Incl.
1951	6", bend	EA	3.00		Incl.
1950	8", bend	EA	52.00		Incl.
1953	Tee 8"x8"x6"	EA	12.00		Incl.
1954	Tee 8"x8"x8"	EA	5.00		Incl.
1962	Reducer 8"x4"	EA	1.00		Incl.
1376	8", Water valve	EA	42.00		Incl.
1379	6", Water valve	EA	13.00		Incl.
1385	4", Water valve	EA	1.00		Incl.
1378	6", Hydrant	EA	12.00		Incl.
1377	Trust block	EA	73.00		Incl.
1448	Cleaning, testing, trace wiring etc.	LF	6,557.68		Incl.
569	Excavation and backfill (with site preparation)	LF	6,557.68		Incl.
G3010 - Water Utilities					761,310
G3020	Sanitary Sewerage Utilities				
2798	BP 31A - Recommended amount	LS	1.00	567,025.00	567,025
1391	Connection to building sanitary service	EA	22.00		Incl.
1388	SMH, Sanitary manhole	EA	30.00		Incl.
1941	6",sanitary sewer, cast iron	LF	183.80		Incl.
1387	6",sanitary sewer, PVC	LF	1,110.90		Incl.
1943	4",sanitary sewer, PVC	LF	253.50		Incl.
1392	6",sanitary sewer, PVC	LF	427.40		Incl.
1949	8",sanitary sewer, PVC	LF	2,960.00		Incl.
1393	Thrust block	EA	2.00		Incl.
1964	Replace existing sewer manhole with drop sewer manhole and connect to existing sewer line	EA	1.00		Incl.
2318	Cleaning, testing, trace wiring etc.	LF	4,934.30		Incl.
1963	Clean and line existing 1550 LF of 8" sewer main	LF	1,550.00		Excl.
577	Excavation and backfill (with site preparation)	LF	4,934.30		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2184	Exterior grease trap(serving kitchen waste), 10,000 gal(allowance)	EA	1.00		Incl.
2570	Exterior grease trap(serving kitchen waste), 1000 gal (allowance)	EA	1.00		Incl.
2589	6",sanitary sewer, PVC, forcemain	LF	-480.00		Incl.
2590	Excavation and backfill	LF	-480.00		Incl.
G3020 - Sanitary Sewerage Utilities					567,025
G3030	Storm Drainage Utilities				
2799	BP 31A - Recommended amount - drainage piping	LS	1.00	984,395.00	984,395
2800	BP 31A - Recommended amount - drainage structure	LS	1.00	907,600.00	907,600
2801	BP 31A - Recommended amount - groundwater maintenance system	LS	1.00	100,000.00	100,000
2802	BP 31A - Recommended amount - subsurface detention system	LS	1.00	1,379,344.00	1,379,344
1862	6", PVC underdrain	LF	454.00		Incl.
1863	8", PVC underdrain	LF	63.00		Incl.
1879	8", PVC	LF	32.00		Incl.
1858	4", HDPE underdrain for subsurface system 1 to 5	LF	324.00		Incl.
1433	6", HDPE underdrain for subsurface system 1 to 5	LF	916.00		Incl.
1910	12", perforated CPP, Corrugated HDPE storm drain pipe	LF	468.00		Incl.
1411	6", HDPE storm drain pipe	LF	261.00		Incl.
1909	6", CPP, Underdrain, Corrugated HDPE storm drain pipe	LF	728.00		Incl.
1861	6", CPP, Corrugated HDPE storm drain pipe	LF	157.00		Incl.
1864	8", CPP, Corrugated HDPE storm drain pipe	LF	160.00		Incl.
1409	10", CPP, Corrugated HDPE storm drain pipe	LF	187.00		Incl.
1400	12", CPP, Corrugated HDPE storm drain pipe	LF	8,462.70		Incl.
1403	15", CCP, Corrugated HDPE storm drain pipe	LF	298.00		Incl.
1405	18", CCP, Corrugated HDPE storm drain pipe	LF	1,165.00		Incl.
1406	24", CCP, Corrugated HDPE storm drain pipe	LF	1,240.00		Incl.
1412	Area drain	EA	16.00		Incl.
1413	Catch basins	EA	76.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1414	Curb inlet	EA	5.00		Incl.
1431	12", clean out	EA	1.00		Incl.
1415	DMH - Drain manhole - 4'	EA	67.00		Incl.
1416	DMH - Drain manhole - 5'	EA	11.00		Incl.
1417	DMH - Drain manhole - 6'	EA	2.00		Incl.
1422	Remove and replace existing DMH	EA	1.00		Incl.
1419	FES - Flared End Section	EA	2.00		Incl.
1420	Headwall	EA	3.00		Incl.
1421	OCS, Outlet control structure	EA	5.00		Incl.
1423	WQS, Water quality structure	EA	19.00		Incl.
1425	Trench drain	LF	152.00		Incl.
1424	Connection to building	EA	17.00		Incl.
1426	Connect to existing CB and convert the existing CB to DMH	EA	1.00		Incl.
1427	Connect to existing manhole	EA	2.00		Incl.
1432	Precast concrete culvert - assumed 20'x3'	LF	40.00		Incl.
1434	Subsurface#1 - 210 MC-3500 c/w 14 c/w manifold	EA	1.00		Incl.
1435	Subsurface#2 - 279 MC-3500 c/w manifold	EA	1.00		Incl.
1436	Subsurface#3 - 238 MC-3500 c/w manifold	EA	1.00		Incl.
1437	Subsurface#4 - 104 SC-740 c/w manifold	EA	1.00		Incl.
1438	Subsurface#5 - 16 SC-740 c/w outlet manifold	EA	1.00		Incl.
1854	Subsurface#1 - area	SF	11,442.00		Incl.
1853	Subsurface#2 - area	SF	14,193.00		Incl.
1852	Subsurface#3 - area	SF	12,998.00		Incl.
1851	Subsurface#4 - area	SF	3,999.00		Incl.
1855	Subsurface#5 - area	SF	716.00		Incl.
1775	Inspection ports	No	63.00		Incl.
1774	Allowances for non-woven geotextile	LS	1.00		Incl.
602	Excavation and backfill (refer to site preparation)	LF	14,907.70		Incl.
1773	Excavation and backfill for subsurface system	CY	14,450.00		Incl.
2319	Cleaning, testing, trace wiring etc.	LF	14,907.70		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
611	Bioretention basin including piping, bedding, planting mix, excavation, etc.	SF	3,848.00		Incl.
681	Allowance for temporary retention basin including piping, etc.	LS	1.00		Incl.
G3030 - Storm Drainage Utilities					3,371,339
G3050	Site Energy Distribution				
1958	Proposed gas meter - install only - supply by others	EA	1.00		Incl.
1957	Proposed natural gas piping - HDPE	LF	1,511.00		Excl.
1960	Bend	EA	20.00		Excl.
1959	Connection to building service	EA	1.00		Incl.
1966	Connect to the main service	EA	1.00		Incl.
1965	Excavation and backfill (with site preparation)	LF	1,511.00		Incl.
G3050 - Site Energy Distribution					0
G3090	Liquid and Gas Site Utilities Supplementary Components				
793	Allowance for miscellaneous site utilities not yet designed	LS	1.00		Excl.
1798	General requirements: supervision, shop drawings, as-built drawings, equipment rentals, fees, permits, etc.	Item			Incl.
G3090 - Liquid and Gas Site Utilities Supplementary Components					0
G30 - LIQUID AND GAS SITE UTILITIES					4,699,674
G40	ELECTRICAL SITE IMPROVEMENTS				
G4010	Site Electric Distribution Systems				
811	Secondary 4000 amp feeder to school electrical room	LF	267.00	1,930.00	515,311
187	Secondary generator feeder (4-400 amp feeds)	LF	83.00	723.70	60,071
2812	Ductbank B (2-4" conduits) pull string only primary cabling by Others	LF	1,451.00	40.50	58,809
184	Ductbank C (8-4" conduits) pull string only primary cabling by Others	LF	1,211.00	159.20	192,821
2813	Ductbank D/F/H (4-4" conduits) pull string only primary cabling by Others	LF	2,240.00	82.00	183,736
2814	Ductbank K (2-4" conduits) pull string only primary cabling by Others	LF	134.00	40.50	5,431

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
185	Ductbank N (6-4" conduits) pull string only primary cabling by Others	LF	321.00	120.60	38,721
2815	Ductbank O (3-4" conduits) pull string only primary cabling by Others	LF	206.00	59.80	12,325
2816	Ductbank M (6-2" conduits) pull string only primary cabling by Others	LF	736.00	57.90	42,614
2817	Ductbank (2-4" conduits) pull string only primary cabling by Others	LF	50.00	40.50	2,026
2818	Ductbank (1-2" conduits) pull string only primary cabling by Others	LF	11.00	9.60	106
2819	Ductbank (2-2" conduits) pull string only primary cabling by Others	LF	291.00	19.30	5,616
2820	Ductbank (3-2" conduits) pull string only primary cabling by Others	LF	21.00	29.00	608
186	Fire Pump feeder 200 amps (2-4" conduits)	LF	376.00	54.00	20,319
2822	Ductbank A (4-2" conduits) pull string only primary cabling by Others	LF	7,944.00	38.60	306,638
188	Secondary feeder to maintenance building (400 amp service)	LF	619.00		Excl.
201	Field electrical service 75 kva transformer service EV Charging Stations	EA	2.00	40,568.50	81,137
204	Field service to concessions 250 amps	LF	329.00	62.70	20,637
205	Field service to athletic building 1200 amps	LF	106.00	121.10	12,837
208	Primary to padmount transformer for field buildings	LF	220.00	84.90	18,682
706	Secondary service manholes	EA	12.00	7,237.50	86,850
766	Utility pole modifications (not included)	EA	1.00		Excl.
1836	BP 31A - Recommended amount - ductbanks excavation and concrete encasement	LS	1.00	868,215.00	868,215
1837	Electrical (E & B) in another division of the estimate	Note			Excl.
2566	Traffic Signals	EA	1.00		Excl.
2821	Ductbank (2-1" conduits) pull string only primary cabling by Others	LF	22.00	19.30	425
G4010 - Site Electric Distribution Systems					2,533,935
G4050	Site Lighting				
214	Sports field lighting conduit & wire (pole lights)	EA	1.00	73,822.00	73,822

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
215	Sports field lighting control	EA	1.00	16,856.00	16,856
2810	Hand holes	EA	135.00	1,447.50	195,412
772	Site bench lighting	EA	1.00	8,251.00	8,251
774	Electronic gate entrance S & Install incl elect conn	EA	1.00	25,572.00	25,572
934	Type LST 11 flagpole (cluster)	EA	3.00	550.00	1,650
936	Double head 25 ft pole	EA	6.00	5,587.30	33,524
2811	Double head 24 ft pole	EA	64.00	5,307.50	339,680
937	Single head 16 ft pole	EA	23.00	4,825.00	110,975
938	Single head 14 ft pole	EA	20.00	4,511.40	90,227
940	Digital message board	EA	1.00	1,959.00	1,959
941	Monument sign lighting	EA	1.00	2,162.00	2,162
943	Musco Football lighting	EA	4.00	93,122.80	372,491
1789	Electric vehicle dual charging system	EA	1.00		Excl.
1790	Electric vehicle dual charging system distribution panels	EA	2.00	7,030.00	14,060
G4050 - Site Lighting					1,286,641
G40 - ELECTRICAL SITE IMPROVEMENTS					3,820,576
G50	SITE COMMUNICATIONS				
G5010	Site Communications				
189	Secondary communications feeder 8-4" conduits	LF	1,211.00	193.00	233,723
192	Communications to maintenance building (4-4" conduits)	LF	640.00		Excl.
209	Secondary communications feeder 4-4" conduits for Athletic fields	LF	779.00	115.80	90,208
1671	Outdoor CCTV Bullet cameras incl fiber cabling pole mtd	EA	2.00	955.50	1,911
G5010 - Site Communications					325,842
G50 - SITE COMMUNICATIONS					325,842

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G90	MISCELLANEOUS SITE CONSTRUCTION				
G9010	Other Site Construction				
167	Farm street driveway intersection improvement including paving milling and overall, granite curbs, traffic signal, etc.	LS	1.00		Excl.
	G9010 - Other Site Construction				Excl.
	G90 - MISCELLANEOUS SITE CONSTRUCTION				Excl.
Z10	GENERAL REQUIREMENTS				
Z1050	Temporary Facilities & Controls				
2803	BP 31A - Recommended amount	LS	1.00	1,803,000.00	1,803,000
672	Dust control	LS	1.00		Incl.
678	Site fencing including maintenance	LF	7,000.00		Incl.
679	Mobilization	LS	1.00		Incl.
680	Submittals, as-builts, layout, survey, etc.	LS	1.00		Incl.
813	Temporary access road and repairs	LS	1.00		Incl.
814	Temporary walkways	LS	1.00		Incl.
670	Allowance for dewatering	LS	1.00		Incl.
	Z1050 - Temporary Facilities & Controls				1,803,000
	Z10 - GENERAL REQUIREMENTS				1,803,000
SITework					35,149,711

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION UNIFORMAT II - LEVEL 2 SUMMARY

BD Base Design

C Demolition & Abatement

Rates Current At May 2023

Ref	Description	Total Cost USD
F20	Facility Remediation	2,300,000
F30	Demolition	2,836,093
DEMOLITION & ABATEMENT		5,136,093

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



C Demolition & Abatement

Rates Current At May 2023

90% Construction Documents Cost Estimate - Revision 2
BOS20013-503

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



BD Base Design

C Demolition & Abatement

Rates Current At May 2023

90% Construction Documents Cost Estimate - Revision 2
BOS20013-503

6C.2.3 – 04

CSI MASTERFORMAT

**COST ESTIMATE
DESIGNER**

90% CONSTRUCTION DOCUMENTS COST ESTIMATE – R2

19 MAY 2023

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

WAKEFIELD, MA



Bid/GMP Date: November 2023
Project Number: DRA No. 20202
MSBA ID: 2017-085-30605

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At May 2023

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
BD	BASE DESIGN			
A	Building			
A1	New School Building	380,570.00	422.20	160,676,975
A3	Maintenance Building			501,114
	A - Building	380,570.00	423.52	161,178,089
B	Sitework			35,149,711
C	Demolition & Abatement			
C1F	Facility Remediation			2,300,000
C2D	Demolition			2,836,093
	C - Demolition & Abatement			5,136,093
	BD - BASE DESIGN	380,570.0	529.37	201,463,893
ESTIMATED NET COST		380,570	529.37	201,463,893
MARGINS & ADJUSTMENTS				
	Design & Estimating Contingency	1.5 %		3,021,959
	Escalation Allowance up to mid-point of Construction (3/2025)	3 %		6,134,575
	Sub-contractor Bonds	1.2 %		2,527,443
	Insurance - CCIP (Change from GL)			6,835,919
	Cost of Traditional Insurance (Trade + GL) - Savings			Incl.
	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)			9,687,591
	Field Office Support			1,694,300
	General Requirements (per CM Pricing Exhibit 1)			5,034,190
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1			850,000
	CM Construction Contingency (per CM Pricing Exhibit 1)	2.5 %		5,384,096
	CM Fee (per CM Pricing Exhibit 1)			4,205,160
ESTIMATED TOTAL COST		380,570	654.43	249,055,108

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

Gross Floor Area: 380,570 SF
Rates Current At May 2023

DIVISIONS SUMMARY

Ref	Description	GFAR USD/SF	Total Cost USD
01	General Requirements	4.74	1,803,000
02	Existing Conditions	14.34	5,456,274
03	Concrete	29.98	11,408,837
04	Masonry	19.69	7,492,821
05	Metals	57.81	21,999,997
06	Wood, Plastics, and Composites	8.05	3,064,761
07	Thermal and Moisture Protection	41.99	15,981,455
08	Openings	26.74	10,174,962
09	Finishings	54.72	20,823,131
10	Specialties	4.48	1,704,023
11	Equipment	10.65	4,051,304
12	Furnishings	2.32	881,423
14	Conveying Equipment	2.51	955,775
21	Fire Suppression	10.31	3,922,083
22	Plumbing	21.14	8,046,999
23	Heating, Ventilating, and Air Conditioning	77.81	29,610,372
26	Electrical	48.49	18,453,277
27	Communications	8.92	3,394,546
28	Electronic Safety and Security	7.38	2,809,638
31	Earthwork	44.09	16,778,946
32	Exterior Improvements	20.89	7,950,595
33	Utilities	12.35	4,699,674
ESTIMATED NET COST		529.37	201,463,893
MARGINS & ADJUSTMENTS			
Design & Estimating Contingency			3,021,959
Escalation Allowance up to mid-point of Construction (3/2025)			6,134,575
Sub-contractor Bonds			2,527,443
Insurance - CCIP (Change from GL)			6,835,919
Cost of Traditional Insurance (Trade + GL) - Savings			Incl.

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



Gross Floor Area: 380,570 SF
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS (continued)			
	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)		9,687,591
	Field Office Support		1,694,300
	General Requirements (per CM Pricing Exhibit 1)		5,034,190
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1		850,000
	CM Construction Contingency (per CM Pricing Exhibit 1)		5,384,096
	CM Fee (per CM Pricing Exhibit 1)		4,205,160
ESTIMATED TOTAL COST		654.43	249,055,108

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

PHASING SUMMARY

Gross Floor Area: 380,570 SF
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
P1	Phase 1 - Establish Site & Ledge Removal	27.15	10,334,022
P2	Phase 2 - Construction of New Building	431.82	164,338,353
P3	Phase 3 - Demolition & Fields	70.40	26,791,518
ESTIMATED NET COST		529.37	201,463,893
MARGINS & ADJUSTMENTS			
Design & Estimating Contingency			3,021,959
Escalation Allowance up to mid-point of Construction (3/2025)			6,134,575
Sub-contractor Bonds			2,527,443
Insurance - CCIP (Change from GL)			6,835,919
Cost of Traditional Insurance (Trade + GL) - Savings			Incl.
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)			9,687,591
Field Office Support			1,694,300
General Requirements (per CM Pricing Exhibit 1)			5,034,190
Allowance for Additional Requirements not included in CM Pricing Exhibit 1			850,000
CM Construction Contingency (per CM Pricing Exhibit 1)			5,384,096
CM Fee (per CM Pricing Exhibit 1)			4,205,160
ESTIMATED TOTAL COST		654.43	249,055,108

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



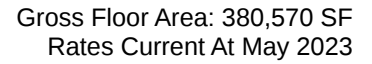
90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

FILED SUB-BIDS SUMMARY

Gross Floor Area: 380,570 SF
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
1	Non-Filed Sub-Bids Trade	277.46	105,593,842
2	Masonry	20.58	7,833,370
3	Miscellaneous & Ornamental Metals	9.77	3,717,660
4	Waterproofing, Dampproofing & Caulking	4.55	1,729,852
5	Roofing & Flashing	14.54	5,533,913
6	Metal Windows	19.54	7,435,624
7	Glass & Glazing	1.79	680,549
8	Tile	4.54	1,726,596
9	Acoustical Tile	6.50	2,475,228
10	Resilient Floors	6.00	2,282,623
11	Terrazzo		Excl.
12	Painting	3.59	1,364,575
13	Elevators	2.63	999,215
14	Fire Suppression	10.77	4,100,341
15	Plumbing	22.11	8,412,738
16	Heating, Ventilating & Air Conditioning	81.34	30,956,166
17	Electrical	67.74	25,778,135
ESTIMATED NET COST		553.43	210,620,427
MARGINS & ADJUSTMENTS			
	Sub-contractor Bonds		2,527,443
	Insurance - CCIP (Change from GL)		6,835,919
	Cost of Traditional Insurance (Trade + GL) - Savings		Incl.
	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)		9,687,591
	Field Office Support		1,694,300
	General Requirements (per CM Pricing Exhibit 1)		5,034,190
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1		850,000
	CM Construction Contingency (per CM Pricing Exhibit 1)		5,384,096

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



Ref	Description	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS (continued)			
	CM Fee (per CM Pricing Exhibit 1)		4,205,160
	ESTIMATED TOTAL COST	654.43	249,055,108

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



BD BASE DESIGN

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
03	Concrete	26.81	10,204,596
04	Masonry	19.69	7,492,821
05	Metals	55.39	21,081,340
06	Wood, Plastics, and Composites	8.05	3,064,761
07	Thermal and Moisture Protection	41.86	15,931,673
08	Openings	26.74	10,174,962
09	Finishings	54.72	20,823,131
10	Specialties	4.48	1,704,023
11	Equipment	8.88	3,377,759
12	Furnishings	1.80	685,625
14	Conveying Equipment	2.51	955,775
21	Fire Suppression	10.31	3,922,083
22	Plumbing	21.14	8,046,999
23	Heating, Ventilating, and Air Conditioning	77.81	29,610,372
26	Electrical	40.73	15,500,916
27	Communications	8.07	3,070,615
28	Electronic Safety and Security	7.38	2,807,727
31	Earthwork	5.84	2,221,797
33	Utilities		Incl.
NEW SCHOOL BUILDING		422.20	160,676,975

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



BD BASE DESIGN

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS			
	Design & Estimating Contingency		2,410,155
	Escalation Allowance up to mid-point of Construction (3/2025)		4,892,614
	Sub-contractor Bonds		2,015,756
	Insurance - CCIP (Change from GL)		5,451,969
	Cost of Traditional Insurance (Trade + GL) - Savings		Incl.
	Builder's Risk Insurance (per CM Pricing Exhibit 1)		291,322
	Payment & Performance Bond (per CM Pricing Exhibit 1)		1,476,028
	General Conditions (per CM Pricing Exhibit 1)		7,726,312
	Field Office Support		1,351,285
	General Requirements (per CM Pricing Exhibit 1)		4,015,004
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1		677,915
	CM Construction Contingency (per CM Pricing Exhibit 1)		4,294,072
	CM Fee (per CM Pricing Exhibit 1)		3,353,814
ESTIMATED TOTAL COST		521.94	198,633,221

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
A1010	Standard Foundations				
996	Concrete to isolated spread footings, 4500 PSI	CY	1,830.20	313.60	573,996
529	Concrete to perimeter strip footings - 1' thick, 4500 PSI	CY	114.70	313.60	35,972
2751	Concrete to perimeter strip footings - 1'-6" thick, 4500 PSI	CY	27.00	313.60	8,468
2403	Concrete to perimeter strip footings - 3' thick, 4500 PSI	CY	923.00	313.60	289,476
1000	Concrete to interior strip footings, 4500 PSI	CY	178.18	313.60	55,881
588	Concrete to elevator mat footings - 3' thick, 4500 PSI	CY	15.30	313.70	4,799
2633	Concrete to mat footings - 1' thick, 4500 PSI	CY	31.00	313.60	9,722
1117	Concrete to piers, 4500 PSI	CY	137.90	313.60	43,248
521	Form isolated spread footings	SF	22,957.90	19.30	443,087
530	Form strip footings	SF	10,417.02	19.30	201,048
589	Form elevator mat footings	SF	140.10	19.30	2,704
2634	Form mat footings	SF	203.00	19.30	3,918
1118	Form piers	SF	8,741.20	24.10	210,881
522	Bar reinforcement to isolated spread footings	Lb	178,617.20	1.70	310,258
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	170,915.61	1.70	296,881
590	Bar reinforcement to elevator mat footings	Lb	1,871.30	1.70	3,250
2635	Bar reinforcement to mat footings, allow 165 PCY	Lb	5,074.00	1.70	8,813
1119	Bar reinforcement to piers, allow	Lb	49,493.70	1.70	85,971
A1010 - Standard Foundations				6.80/SF	2,588,373
A2010	Walls for Subgrade Enclosures				
597	Concrete to basement retaining walls, 4500 PSI	CY	879.00	313.60	275,676
599	Concrete to buttressed walls, 4500 PSI	CY	44.00	313.60	13,800
598	Concrete to perimeter frost walls, 4500 PSI	CY	489.71	313.60	153,585
1122	Concrete to interior foundation walls, 4500 PSI	CY	165.59	313.60	51,933
615	Concrete to elevator pit walls, 4500 PSI	CY	12.80	313.60	4,014
603	Form basement retaining walls	SF	25,290.00	24.10	610,121

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
604	Form buttressed walls	SF	2,790.00	24.10	67,309
605	Form perimeter frost walls	SF	19,982.65	24.10	482,081
1123	Form interior foundation walls	SF	11,480.37	24.10	276,964
616	Form elevator pit walls	SF	666.80	24.10	16,087
606	Bar reinforcement to basement retaining walls	Lb	171,364.00	1.70	297,659
607	Bar reinforcement to buttressed walls, allow 10 PSF	Lb	13,949.00	1.70	24,229
608	Bar reinforcement to perimeter frost walls	Lb	34,940.19	1.70	60,692
1124	Bar reinforcement to interior foundation walls	Lb	42,072.45	1.70	73,080
613	Bar reinforcement to elevator pit walls	Lb	3,261.90	1.70	5,666
618	Rigid insulation - 2" thick	SF	31,060.86	4.30	134,882
A2010 - Walls for Subgrade Enclosures				6.69/SF	2,547,778
A4010	Standard Slabs-on-Grade				
500	Concrete to slab on grade - 4" thick, 4500 PSI	CY	797.00	313.60	249,959
501	Concrete to slab on grade - 6" thick, 4500 PSI	CY	1,204.20	313.60	377,667
502	Form slab on grade	SF	3,523.74	17.40	61,207
503	WWF reinforcement to slab on grade (Loading dock)	SF	830.00	1.70	1,442
2585	Fiber reinforcement to slab on grade	CY	1,997.91	57.90	115,679
698	Allowance for bar reinforcement	Lb	64,643.23	1.70	112,285
796	Allowance for thicken slab under CMU	LF	1,058.00	120.60	127,621
504	Float finish to slab on grade	SF	129,285.73	1.40	187,141
505	Control joints	SF	129,285.73	0.80	99,809
703	Winter conditions	LS	1.00		Excl.
707	Mechanical pads	Item			50,663
710	Engineering, layout, safety, cleaning, etc.	Item			207,475
A4010 - Standard Slabs-on-Grade				4.18/SF	1,590,948
B1010	Floor Construction				
997	Prestressed precast concrete hollow core plank, 10" thick	SF	1,383.00	43.40	60,057
2632	Prestressed precast concrete hollow core plank, 8" thick	SF	13,566.00	38.60	523,648

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2747	Light weight concrete topping, overall 4" thick, 4500 PSI	CY	15.00	434.30	6,514
538	Light weight concrete topping, overall 5-1/4" thick, 4500 PSI	CY	4,011.20	434.20	1,741,863
998	Normal weight concrete topping to precast planks, 2" thick, 4500 PSI	CY	93.00	337.80	31,411
539	WWF reinforcement to floor deck	SF	263,591.80	1.30	330,676
540	Float finish to concrete topping	SF	263,591.80	2.90	763,097
809	Allowance for miscellaneous equipment pads (above ground)	LS	1.00	48,250.00	48,250
2621	Anticipated concrete savings due to Subcontractor input	LS	1.00	-250,000.00	-250,000
B1010 - Floor Construction				8.55/SF	3,255,516
B1020	Roof Construction				
548	Light weight concrete topping, overall 5-1/4" thick, 4500 PSI	CY	215.00	434.30	93,364
2745	Normal weight concrete topping, overall 4-1/2" thick, 4500 PSI	CY	33.00	414.90	13,693
2388	Normal weight concrete topping, overall 7" thick, 4500 PSI	CY	83.00	415.00	34,441
549	WWF reinforcement to floor deck	SF	19,396.00	1.30	24,332
550	Float finish to concrete topping	SF	19,396.00	2.90	56,151
B1020 - Roof Construction				0.58/SF	221,981
B1080	Stairs				
1679	Concrete stair to Auditorium - 4'-1" wide (none indicated)	FT/R	35.00		Excl.
B1080 - Stairs					Excl.
03 - CONCRETE				26.81/SF	10,204,596
04	MASONRY				
B2010	Exterior Walls				
22	2" Thick Granite veneer - other than South Main Entry walls	SF	2,912.00		Excl.
2582	Cast stone ILO Granite veneer	SF	2,912.00	48.30	140,504

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1651	4" Thick Cast stone veneer	SF	8,752.00	48.30	422,284
29	4" Thick Split face CMU Veneer	SF	36,262.30	38.60	1,399,724
1652	Brick veneer	SF	21,855.00	46.30	1,012,323
1777	8" thick CMU shear walls	SF	14,241.00	38.60	549,703
1137	12" thick CMU shear walls	SF	1,296.00	48.30	62,532
72	8" Thick CMU back-up	SF	411.70	33.80	13,906
71	12" Thick CMU back-up	SF	49.00	43.40	2,128
2853	Granite veneer to main entry South Walls	SF	1,922.00	183.30	352,398
2854	Deduct cast stone veneer	SF	-1,922.00	48.20	-92,736
B2010 - Exterior Walls				10.15/SF	3,862,766
C1010	Interior Partitions				
1561	CMU partition, 4" thick (Type 4.0)	SF	6,986.20	24.10	168,542
267	CMU partition, 8" thick (Type 8.0)	SF	75,060.50	27.00	2,028,134
2410	CMU partition, 8" thick, 1 hour fire rated (Type 8.1)	SF	5,429.00	33.80	183,364
1562	CMU partition, 8" thick, 2 hour fire rated (Type 8.2)	SF	21,471.00	38.60	828,780
268	CMU partition, 12" thick (Type 12.0)	SF	1,831.00	28.90	53,007
2670	CMU partition, 12" thick, 1 hour fire rated (Type 12.1)	SF	4,012.00	31.40	125,826
1563	CMU partition, 12" thick, 2 hour fire rated (Type 12.2)	SF	649.00	33.80	21,920
806	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Masonry Trade)	SF	409,877.00	0.50	197,766
C1010 - Interior Partitions				9.48/SF	3,607,339
C2010	Wall Finishes				
2479	2" Granite veneer panel	SF	214.00	106.10	22,716
C2010 - Wall Finishes				0.06/SF	22,716
04 - MASONRY				19.69/SF	7,492,821
05	METALS				
B1010	Floor Construction				
2746	Galvanized composite metal floor deck - 1-1/2" deep, 20 GA	SF	1,143.00	5.80	6,618
535	Galvanized composite metal floor deck - 2" deep, 20 GA	SF	247,501.80	5.80	1,433,035

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1007	Galvanized composite metal sloped floor deck - 2" deep (Auditorium) (none indicated)	SF	6,792.00		Excl.
537	Structural steel framing, including beams, columns, bracing	T	1,794.1050	5,211.00	9,349,075
572	Moment connection	EA	242.00	723.80	175,148
542	Allowance for miscellaneous connections and framings	T	179.4180	5,211.00	934,946
720	Allowance for shear studs	EA	61,875.90	6.30	388,116
722	Allowance for pour stops and bent plates	LF	10,473.00	24.10	252,661
2622	Target tonnage reduction (0.25 PSF)	T	-48.7500	5,211.00	-254,036
2623	Anticipated structural steel savings due to Subcontractor input	LS	1.00	-500,000.00	-500,000
2805	Temporary stair and scaffolding	LS	1.00	193,000.00	193,000
B1010 - Floor Construction				31.48/SF	11,978,563
B1020	Roof Construction				
546	Galvanized corrugated roof deck - 3" deep, type N	SF	107,259.50	6.80	724,536
562	Acoustic galvanized corrugated roof deck - 3" deep, type NA (Gym)	SF	11,269.00	14.50	163,119
2386	Acoustic galvanized composite roof deck - 3" deep, type NA (Gym)	SF	876.00	14.50	12,680
558	Galvanized composite metal roof deck - 2" deep, 20GA	SF	15,567.00	5.80	90,133
2387	Galvanized composite metal roof deck - 3" deep, 18GA	SF	2,954.00	7.20	21,380
2384	Galvanized steel roof deck - 1 1/2" deep, type B, 20 GA	SF	3,154.00	4.80	15,218
2385	Galvanized steel roof deck - 9/16" deep, 20 GA	SF	6,143.00	3.40	20,748
2391	Structural steel roof joist - 68DLHSP1	LF	167.00	178.50	29,814
2390	Structural steel roof joist - 68DLHSP2	LF	1,246.00	178.50	222,442
2389	Structural steel roof joist - 68DLHSP3	LF	416.00	178.50	74,266
2392	Structural steel roof joist - 68DLHSP5	LF	423.00	178.50	75,516
2393	Structural steel roof joist - 68DLHSP4	LF	212.00	178.50	37,847
2735	Structural steel roof joist - 68DLHSP6	LF	845.00	178.50	150,854

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2734	Structural steel roof joist - 68DLHSP7	LF	212.00	178.50	37,847
547	Structural steel framing, including beams, columns, bracing	T	802.1710	5,211.00	4,180,110
2394	Galvanized structural steel framing, including beams, columns (Roof Mechanical Equipment)	T	29.1600	5,790.00	168,836
567	Moment connection	EA	425.00	723.80	307,594
551	Allowance for miscellaneous connections and framings	T	83.1320	5,211.00	433,201
688	Allowance for structural framing to roof screen, 8 PSF (none indicated)	T	8.0800		Excl.
721	Allowance for shear studs	EA	3,027.00	6.30	18,987
B1020 - Roof Construction				17.83/SF	6,785,128
B1080	Stairs				
182	1'-6" High metal guardrail at Rotunda balcony	LF	195.00	96.50	18,818
183	8'-0" High metal guardrail / gate at rooftop playground	LF	96.00	193.00	18,528
299	Wire mesh guardrail	LF	1,162.40		Incl.
1816	Metal guardrail	LF	336.00		Incl.
759	Metal handrail	LF	538.90		Incl.
747	Metal stairs with concrete filled pans and landing - 4'-6" wide	FT/R	30.00	2,750.30	82,508
2446	Metal stairs with concrete filled pans and landing - 4'-9" wide	FT/R	48.00	2,846.80	136,644
661	Metal stairs with concrete filled pans and landing - 5'-0" wide	FT/R	97.00	3,377.50	327,618
2748	Metal stairs with concrete filled pans and landing - 5'-9" wide	FT/R	20.00	3,860.00	77,200
663	Metal stairs with concrete filled pans and landing - 8'-0" wide	FT/R	51.00	6,127.70	312,515
665	Metal stairs with concrete filled pans and landing - 10'-0" wide	FT/R	96.00	7,237.50	694,799
1135	Metal stairs with concrete filled pans and landing - 5'-3" wide (none indicated)	FT/R	97.00		Excl.
662	Metal stairs with concrete filled pans and landing - 5'-6" wide (none indicated)	FT/R	20.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2447	Metal stairs with concrete filled pans and landing - 6'-4" wide (none indicated)	FT/R	20.00		Excl.
2448	Metal stairs with concrete filled pans and landing - 7'-9" wide (none indicated)	FT/R	48.00		Excl.
1134	Metal stairs with concrete filled pans and landing - 8'-3" wide (none indicate)	FT/R	48.00		Excl.
2445	Metal stairs with concrete filled pans and landing - 9'-9" wide (none indicated)	FT/R	48.00		Excl.
1133	Metal stairs with concrete filled pans and landing - 10'-3" wide (none indicated)	FT/R	48.00		Excl.
664	Metal stairs with concrete filled pans and landing - 10'-6" wide (none indicated)	FT/R	48.00		Excl.
1475	Metal stair with handrail and integrated guardrail - 5'-6" wide (none indicated)	FT/R	3.00		Excl.
1680	Access ladder	LF	84.00	106.20	8,917
	B1080 - Stairs			4.41/SF	1,677,547
B3020	Roof Appurtenances				
1491	Roof access ladder, 2'-0" wide	LF	18.00	337.80	6,080
181	7'-6" High RTU screen - none indicated	LF	270.00		Excl.
1492	Painted steel protection guardrail, 3'-6" high	LF	238.00	193.00	45,934
	B3020 - Roof Appurtenances			0.14/SF	52,014
C1090	Interior Specialties				
1815	Wire mesh guardrail to Shop Mezz	LF	252.00	308.80	77,818
1537	Metal guardrail to Mezzanine	LF	363.00	289.50	105,089
802	Metal railing to auditorium - none indicated	LF	167.00		Excl.
754	Allowance for elevator pit ladder, cover, etc	EA	2.00	4,825.00	9,650
293	Allowance for miscellaneous metals	SF	409,877.00	1.00	395,531
	C1090 - Interior Specialties			1.55/SF	588,088
	05 - METALS			55.39/SF	21,081,340

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
06	WOOD, PLASTICS, AND COMPOSITES				
B1010	Floor Construction				
748	Wood floor deck - 2 layers 3/4" FRT plywood subfloor on 2x12 floor joists (Mezz)	SF	1,738.00	57.90	100,630
	B1010 - Floor Construction			0.26/SF	100,630
B1020	Roof Construction				
1838	Miscellaneous roof blocking	LS	1.00	77,200.00	77,200
	B1020 - Roof Construction			0.20/SF	77,200
C1090	Interior Specialties				
294	Allowance for rough carpentry	SF	409,877.00	0.80	316,425
295	Allowance for wood blocking	SF	409,877.00	1.30	514,191
807	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	409,877.00	0.40	158,213
	C1090 - Interior Specialties			2.60/SF	988,829
C2010	Wall Finishes				
2750	Hardwood pilaster cap (Gym)	LF	67.00	48.30	3,233
	C2010 - Wall Finishes			0.01/SF	3,233
E1090	Other Equipment				
322	Custom display cases	Item			48,250
729	Custom bench with solid surface bench top	LF	298.00	482.50	143,785
730	Custom reception desk with solid surface top	LF	28.00	965.00	27,020
2491	Custom desk (Media Center)	LF	40.00	965.00	38,600
2490	Custom cafe counter with quartz countertop	LF	27.00	965.00	26,055
1700	Base cabinet with solid surface counter (School Store)	LF	11.00	772.00	8,492
2489	Base cabinet with solid surface island (School Store)	LF	11.00	965.00	10,615
1699	HAVC workstation countertop	EA	48.00	482.50	23,160
1703	Workshop countertop (Robotics)	LF	29.00	96.50	2,799
1698	Locker bench, 10" deep	LF	69.00	120.60	8,323
2756	Locker bench, 2'-0" deep	LF	31.00	144.70	4,487
1704	Dish return counter	LF	4.80	265.40	1,274
1762	Casework: Solid surface countertop, plastic laminate	LF	1,148.00	193.00	221,564

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1769	Casework: Stainless steel countertop	LF	597.00	434.20	259,247
1763	Casework: Full height cabinet	LF	380.00	723.80	275,025
1765	Casework: Base cabinet with solid surface countertop	LF	1,569.00	434.20	681,337
1766	Casework: Upper cabinet	LF	988.00	241.30	238,355
2493	Casework; Mail slots cabinet	LF	12.00	1,447.50	17,370
1770	Casework; 2-Layer shelf	LF	79.00	289.50	22,871
2494	Casework; Full height 3-layer locker	LF	3.00	965.00	2,895
2497	Casework; 1-layer locker	LF	5.00	482.60	2,413
2758	Casework; 6'-10" high 3-layer cosmetology locker	LF	36.00	482.50	17,370
2495	Casework; 4'-0" high cubicle	LF	30.00	772.00	23,160
2496	Casework; File cabinet	LF	14.00	1,158.00	16,212
2499	Casework; Full height storage cabinet with glass door	LF	4.00	1,447.50	5,790
2500	8" UC Student booth (Plumbing & Pipefitting)	EA	14.00		Incl.
2501	LC Student booth (Plumbing & Pipefitting)	EA	14.00		Incl.
2502	Student booth (Electrical Technology)	EA	38.00		Incl.
2515	Student booth (HVAC Technology)	EA	48.00		Incl.
2584	Casework reconciliation adjustment	LS	1.00	-231,600.00	-231,600
E1090 - Other Equipment				4.98/SF	1,894,869
06 - WOOD, PLASTICS, AND COMPOSITES				8.05/SF	3,064,761
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	21,069.90	14.50	304,986
617	Dampproofing to frost wall	SF	9,991.64	5.80	57,852
2825	Water proofing adjustemnt	SF	1,000.00	-14.50	-14,475
A2010 - Walls for Subgrade Enclosures				0.92/SF	348,363
A4010	Standard Slabs-on-Grade				
506	Air and vapor barrier	SF	129,285.73	0.90	112,285
A4010 - Standard Slabs-on-Grade				0.30/SF	112,285
A4090	Slab-on-Grade Supplementary Components				
507	Rigid insulation - 2" thick	SF	4,875.90	4.30	21,173

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
514	Extruded polystyrene insulation, perimeter only 2' wide - 2" thick	SF	4,901.00		Excl.
	A4090 - Slab-on-Grade Supplementary Components			0.06/SF	21,173
B1010	Floor Construction				
648	Expansion joint	LF	459.00	120.60	55,367
749	Geofoam rigid insulation (Auditorium stage) - 2'-0" high (none indicated)	SF	2,490.00		Excl.
750	Geofoam rigid insulation (Auditorium slope flooring) (none indicated)	SF	2,755.00		Excl.
543	Allowance for spray applied fireproofing (members only)	SF	248,643.80	3.70	911,775
1647	Allowance for intumescent paint to round HSS columns	SF	944.00	48.30	45,548
2530	Allowance for intumescent paint to bracing	SF	727.00	48.30	35,078
	B1010 - Floor Construction			2.75/SF	1,047,768
B1020	Roof Construction				
649	Expansion joint	LF	177.00	120.60	21,351
719	Allowance for spray applied fireproofing (members only)	SF	147,218.50	3.70	539,850
	B1020 - Roof Construction			1.47/SF	561,201
B2010	Exterior Walls				
30	Insulated metal panel	SF	15,291.00	86.80	1,328,022
23	Flat-lock metal tile	SF	5,893.00	96.50	568,675
44	Corrugated metal panel	SF	4,181.00	57.90	242,080
2562	Extend roof membrane to perimeter wall	SF	2,584.00	11.60	29,923
128	Ceramic steel cladding to entrance columns	SF	178.00	144.80	25,766
27	ACM rainscreen system to crown ribs, including back- up	SF	4,198.00	86.80	364,596
150	ACM rainscreen system	SF	5,164.00	86.80	448,493
25	ACM Panel system at cornice	SF	11,052.00	168.90	1,866,406
1663	ACM Band	SF	2,721.00	86.90	236,319
2771	5/8" Thick FRP plywood	SF	2,584.00	6.30	16,208
2546	5/8" Thick gypsum sheathing	SF	92,789.00	3.40	313,395

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2543	2" Thick rigid insulation	SF	61,449.90	4.80	296,495
2544	3" Thick rigid insulation	SF	10,915.90	6.80	73,737
2559	3" Thick batt insulation	SF	32,250.00	3.90	124,485
2555	2 1/2" Thick mineral fiber insulation	SF	8,351.00	3.20	26,593
2563	3 1/2" Thick mineral fiber insulation	SF	13,149.00	3.90	50,755
2556	3 1/2" Thick mineral wool insulation	SF	10,074.00	3.90	38,886
2557	2" Thick closed cell spray foam	SF	54,471.00	3.20	173,463
2558	6" Thick closed cell spray foam	SF	5,161.00	5.80	29,882
2545	Fluid applied air and vapor barrier	SF	103,937.90	6.30	651,949
190	Allowance for miscellaneous sealing and caulking	SF	166,540.90	1.90	321,424
B2010 - Exterior Walls				18.99/SF	7,227,552
B2020	Exterior Windows				
98	Insulated translucent wall panel system with glazed operable sashes	SF	2,891.00	168.90	488,218
B2020 - Exterior Windows				1.28/SF	488,218
B3010	Roofing				
164	TPO Membrane roofing - Type A; single ply membrane over cover board on 6 1/2" min. roof insulation	SF	71,686.00	28.90	2,075,309
1479	TPO Membrane roofing - Type B; single ply membrane over cover board on 4 1/2" min. tapered roof insulation	SF	68,665.00	28.90	1,987,851
169	Tapered insulation cricket (premium over PVC roofing)	SF	18,047.00	6.80	121,907
158	Metal coping on top of exterior wall (building signage wall)	SF	298.00	72.40	21,568
159	Metal coping on top of exterior wall (Rotunda balcony wall)	SF	770.00	72.40	55,729
174	Metal coping on top of exterior wall (rooftop playground perimeter wall)	SF	257.00	72.40	18,600
349	Extensive green roof	SF	5,059.20	57.90	292,928
354	Rubber roof pavers - none indicated	SF	1,439.00		Excl.
353	Rubber roof tiles (none indicated)	SF	3,823.00		Excl.
191	Allowance for miscellaneous trims and flashings	SF	140,351.00	0.80	108,351
2773	Allowance for temporary roofing	LS	1.00	100,000.00	100,000

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2840	Protection board	SF	120,351.00	2.70	325,189
	B3010 - Roofing			13.42/SF	5,107,432
B3020	Roof Appurtenances				
2782	Synthetic turf	SF	10,834.00	14.50	156,822
1715	Walkway pad	SF	12,312.00	7.70	95,049
	B3020 - Roof Appurtenances			0.66/SF	251,871
B3080	Overhead Exterior Enclosures				
154	ACM Panel system at horizontal entrance soffit / window bay soffit	SF	2,564.00	101.30	259,797
1452	Exterior gypsum board soffit	SF	1,932.00	26.10	50,338
2783	Linear metal ceiling	SF	1,443.00	96.50	139,250
	B3080 - Overhead Exterior Enclosures			1.18/SF	449,385
C1010	Interior Partitions				
488	Allowance for miscellaneous sealing and caulking	SF	409,877.00	0.50	197,766
489	Allowance for miscellaneous fire stopping	SF	409,877.00	0.30	118,659
	C1010 - Interior Partitions			0.83/SF	316,425
	07 - THERMAL AND MOISTURE PROTECTION			41.86/SF	15,931,673
08	OPENINGS				
B2020	Exterior Windows				
48	Aluminum curtain wall system, with insulating glass	SF	25,157.60	149.60	3,762,946
49	Aluminum storefront system, with insulating glass	SF	6,248.30	120.60	753,700
212	Aluminum storefront system - none indicated	SF	3,337.00		Excl.
1627	Aluminum window system, with insulating glass	SF	8,643.00	120.60	1,042,561
1645	Premium for spandrel glass	SF	4,239.00	9.60	40,906
2575	Premium for bullet resistant glazing	LS	1.00	115,800.00	115,800
2752	Premium for louver	SF	389.00	48.20	18,769
	B2020 - Exterior Windows			15.07/SF	5,734,682
B2050	Exterior Doors and Grilles				
1227	16'-0" x 13'-4" Motor operated overhead door with insulating glass	EA	1.00	22,195.00	22,195

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90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
100	14'-0" x 13'-4" Motor operated overhead door with insulating glass	EA	2.00	18,335.00	36,670
101	12'-0" x 13'-4" Motor operated overhead door with insulating glass	EA	8.00	15,440.00	123,520
1214	8'-0" x 10'-0" Motor operated overhead insulated rolling door	EA	1.00	9,650.00	9,650
2723	9'-4" x 8'-0" Motor operated overhead insulated rolling door	EA	1.00	9,168.00	9,168
134	3'-0" x 7'-0" Single leaf hollow metal door, including frame, finish, and hardware	EA	14.00	1,302.80	18,239
2722	3'-0" x 7'-0" Single leaf hollow metal door w/ 1'-0" x 1'-0" safety glass panel, including frame, finish, and hardware	EA	1.00	1,448.00	1,448
1230	3'-0" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware (at curtain wall)	EA	4.00	5,597.00	22,388
2728	3'-6" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware (at curtain wall)	EA	2.00	6,562.00	13,124
2729	3'-6" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware (at storefront)	EA	2.00	6,562.00	13,124
2727	3'-0" x 7'-10" Single leaf wire mesh door, including frame, finish, and hardware (Rooftop Playground)	EA	1.00		Incl.
1239	2@ 3'-0" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	3.00	11,580.00	34,740
1234	2@ 3'-0" x 7'-4" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	4.00	12,062.50	48,250
2452	2@ 3'-0" x 8'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	2.00	12,545.00	25,090
1235	2@ 3'-4" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	3.00	12,062.70	36,188
1240	2@ 3'-6" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	6.00	12,303.80	73,823
2453	2@ 4'-0" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	1.00	12,545.00	12,545
135	2@ 3'-0" x 7'-2" Double leaf hollow metal door, including frame, finish, and hardware	Pair	1.00	2,413.00	2,413

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2477	Exterior door sidelight	SF	181.00	96.50	17,467
	B2050 - Exterior Doors and Grilles			1.37/SF	520,042
B2070	Exterior Louvers and Vents				
99	Louver	SF	558.90	96.50	53,934
	B2070 - Exterior Louvers and Vents			0.14/SF	53,934
B3020	Roof Appurtenances				
168	Roof hatch	EA	2.00	5,307.50	10,615
1485	Smoke hatch	EA	3.00		Excl.
	B3020 - Roof Appurtenances			0.03/SF	10,615
B3060	Horizontal Openings				
96	Glazed dome, prefabricated self-supporting insulating glass in aluminum framing - removed from scope	SF	750.00		Excl.
	B3060 - Horizontal Openings				Excl.
C1010	Interior Partitions				
129	Wire mesh partition - 8'-0" high	LF	214.00	241.30	51,628
2700	Single leaf wire mesh gate	EA	5.00		Incl.
2701	Double leaf wire mesh gate	Pair	7.00		Incl.
	C1010 - Interior Partitions			0.14/SF	51,628
C1020	Interior Windows				
112	Interior door sidelights with safety glass	SF	4,240.00	57.90	245,496
153	Interior storefront	SF	4,409.00	106.10	468,015
166	Interior fixed borrowed lights	SF	1,045.00	62.70	65,548
137	Interior security transaction window - 4'-0" x 6'-0"	EA	1.00	1,930.00	1,930
155	Interior curtain wall - 2 hour fire rated	SF	1,722.00	241.30	415,433
2808	Interior curtain wall	SF	2,018.00	139.90	282,369
794	Premium for color art glass panels - none indicated	SF	177.00		Excl.
2824	Interior ballistic premium	LS	1.00	25,000.00	25,000
	C1020 - Interior Windows			3.95/SF	1,503,791
C1030	Interior Doors				
102	3'-0"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware	EA	49.00	1,515.00	74,237

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2455	3'-0"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware (45 min fire-rated)	EA	5.00	1,688.80	8,444
1287	3'-0"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware (90 min fire-rated)	EA	6.00	1,785.30	10,712
2454	3'-6"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware	EA	1.00	1,785.00	1,785
2731	3'-0"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware with 1'-0"x1'-0" safety glass vision panel (45 min fire-rated)	EA	4.00	1,881.80	7,527
1320	3'-0"x7'-0" Single leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	EA	8.00	2,774.40	22,195
1323	3'-6"x7'-0" Single leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	EA	2.00	3,160.50	6,321
1263	3'-0"x4'-0" Single leaf wooden doors, including frame, finish and hardware	EA	2.00	1,013.50	2,027
106	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware	EA	292.00	1,780.40	519,884
2456	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware (45 min fire-rated)	EA	1.00	1,882.00	1,882
1262	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware (90 min fire-rated)	EA	23.00	2,026.50	46,610
1270	3'-6"x7'-0" Single leaf wooden doors, including frame, finish and hardware	EA	3.00	2,074.70	6,224
1275	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware with 2'-0"x2'-11" safety glass vision panel	EA	6.00	2,364.30	14,186
1283	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	EA	1.00	2,364.00	2,364
1215	3'-0"x7'-0" Single leaf wooden safety glazed doors, including frame, finish and hardware	EA	1.00	2,364.00	2,364
2459	3'-0"x7'-0" Single leaf wire mesh doors, including frame, finish and hardware	EA	1.00	1,448.00	1,448
1339	3'-4"x7'-7" Single leaf wire mesh doors, including frame, finish and hardware	EA	1.00	1,641.00	1,641

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1338	4'-0"x7'-7" Single leaf wire mesh doors, including frame, finish and hardware	EA	2.00	1,978.50	3,957
2462	3'-0" x 3'-6" Glass rail gate (Multi-Purpose RM Balcony)	EA	2.00	820.50	1,641
103	2@3'-0"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware	Pair	12.00	2,895.00	34,740
1289	2@3'-0"x7'-2" Double leaf hollow metal doors, including frame, finish and hardware	Pair	5.00	2,991.60	14,958
2469	2@3'-0"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware (45 min fire-rated)	Pair	1.00	3,185.00	3,185
1288	2@3'-0"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware (90 min fire-rated)	Pair	10.00	3,377.50	33,775
2467	2@3'-0"x7'-2" Double leaf hollow metal doors, including frame, finish and hardware (90 min fire-rated)	Pair	3.00	3,474.00	10,422
2736	2@3'-0"x7'-2" Double leaf hollow metal doors, including frame, finish and hardware (45 min fire-rated)	Pair	2.00	3,281.00	6,562
1291	2@3'-6"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware	Pair	1.00	3,378.00	3,378
2474	2@3'-6"x7'-2" Double leaf hollow metal doors, including frame, finish and hardware	Pair	1.00	3,474.00	3,474
1292	2@3'-10"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware	Pair	1.00	3,715.00	3,715
2470	2@3'-10"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware (45 min fire-rated)	Pair	1.00	4,101.00	4,101
2737	2@3'-10"x8'-0" Double leaf hollow metal doors, including frame, finish and hardware (90 min fire-rated)	Pair	2.00	4,873.50	9,747
2740	2@3'-0"x7'-2" Double leaf hollow metal doors, including frame, finish and hardware with 2'-0"x4" safety glass vision panel (90 min fire-rated)	Pair	2.00	6,948.00	13,896
2475	2@3'-0"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware with 2'-0"x2'-11" safety glass vision panel	Pair	1.00	4,101.00	4,101

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2476	2@3'-10"x7'-0" Double leaf hollow metal doors, including frame, finish and hardware with 2'-0"x2'-11" safety glass vision panel	Pair	1.00	5,549.00	5,549
1318	2@3'-0"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	Pair	3.00	5,548.70	16,646
1319	2@3'-0"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel (90 min fire-rated)	Pair	2.00	9,264.00	18,528
2473	2@3'-0"x7'-3" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	Pair	2.00	5,790.00	11,580
1326	2@3'-3"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	Pair	1.00	5,790.00	5,790
105	2@3'-6"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	Pair	4.00	6,272.50	25,090
2466	2@3'-6"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel (90 min fire-rated)	Pair	2.00	9,650.00	19,300
1330	2@3'-10"x7'-0" Double leaf aluminum doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel (90 min fire-rated)	Pair	2.00	10,470.50	20,941
2739	2@2'-4"x7'-0" Double leaf wooden doors, including frame, finish and hardware	Pair	1.00	2,606.00	2,606
107	2@3'-0"x7'-0" Double leaf wooden doors, including frame, finish and hardware	Pair	23.00	3,377.50	77,683
1278	2@3'-0"x7'-0" Double leaf wooden doors, including frame, finish and hardware with 2'-0"x(2'-9"+1'-11") safety glass vision panel	Pair	2.00	4,584.00	9,168
1266	2@3'-0"x7'-0" Double leaf wooden doors, including frame, finish and hardware (90 min fire-rated)	Pair	7.00	3,860.00	27,020
2738	2@3'-6"x7'-0" Double leaf wooden doors, including frame, finish and hardware	Pair	5.00	3,932.40	19,662
2468	2@3'-6"x7'-0" Double leaf wooden doors, including frame, finish and hardware (90 min fire-rated)	Pair	2.00	4,342.50	8,685

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2472	2@3'-10"x7'-0" Double leaf wooden doors, including frame, finish and hardware (45 min fire-rated)	Pair	2.00	2,171.50	4,343
1271	2@3'-0"x7'-2" Double leaf wooden doors, including frame, finish and hardware	Pair	3.00	3,459.70	10,379
1272	2@3'-0"x8'-0" Double leaf wooden doors, including frame, finish and hardware	Pair	6.00	3,860.00	23,160
2471	2@3'-0"x8'-0" Double leaf wooden doors, including frame, finish and hardware (45 min fire-rated)	Pair	1.00	4,053.00	4,053
2741	2@3'-0"x7'-0" Double leaf wooden doors, including frame, finish and hardware with 2'-0"x4" safety glass vision panel (90 min fire-rated)	Pair	1.00	3,715.00	3,715
2742	2@3'-0"x7'-2" Double leaf wooden doors, including frame, finish and hardware with 2'-0"x4" safety glass vision panel (90 min fire-rated)	Pair	2.00	3,812.00	7,624
2743	2@3'-0"x7'-0" Double leaf wire mesh doors, including frame, finish and hardware	Pair	2.00	3,136.50	6,273
2744	2@3'-0"x7'-2" Double leaf wire mesh doors, including frame, finish and hardware	Pair	2.00	3,136.50	6,273
1341	2@3'-6"x7'-0" Double leaf wire mesh doors, including frame, finish and hardware	Pair	3.00	3,039.70	9,119
1342	2@3'-6"x7'-2" Double leaf wire mesh doors, including frame, finish and hardware	Pair	2.00	3,136.50	6,273
1344	2@3'-7"x7'-0" Double leaf wire mesh doors, including frame, finish and hardware	Pair	1.00	3,136.00	3,136
1343	2@3'-7"x7'-2" Double leaf wire mesh doors, including frame, finish and hardware	Pair	1.00	3,136.00	3,136
1345	2@3'-8"x7'-0" Double leaf wire mesh doors, including frame, finish and hardware	Pair	1.00	3,233.00	3,233
C1030 - Interior Doors				3.26/SF	1,240,468
C1040	Interior Grilles and Gates				
2458	6'-0" x 10'-0" Rolling security grille door	EA	4.00	14,475.00	57,900
113	4'-6" x 3'-10" Overhead coiling stainless steel counter door	EA	1.00	3,860.00	3,860
2732	10'-0" x 9'-0" Fire-rated partition / door (2-hr fire-rated)	EA	8.00	28,950.00	231,600
2733	10'-0" x 10'-0" Fire-rated partition / door (2-hr fire-rated)	EA	2.00	32,810.00	65,620

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LOCATION DIVISIONS/ELEMENTS ITEM

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A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
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Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2463	8'-3" x 12'-0" Fire-rated folding partition / door (2-hr fire-rated)	EA	2.00	33,775.00	67,550
2460	14'-8" x 10'-0" Fire-rated partition / door (2-hr fire-rated)	EA	1.00	48,250.00	48,250
2464	42'-0" x 15'-0" Curved fire-rated folding partition / door (2-hr fire-rated)	EA	1.00	289,500.00	289,500
C1040 - Interior Grilles and Gates				2.01/SF	764,280
C1090	Interior Specialties				
301	Glass guardrail (Second Floor Corridor)	LF	231.00	559.70	129,291
2505	Glass guardrail (Stair 1)	LF	108.00	559.70	60,448
2508	Glass guardrail (Multi-purpose RM)	LF	189.00	559.70	105,783
C1090 - Interior Specialties				0.78/SF	295,522
08 - OPENINGS				26.74/SF	10,174,962
09	FINISHINGS				
B2010	Exterior Walls				
2547	8" Light gauge metal stud back-up	SF	2,334.00	15.40	36,037
2548	6" Light gauge metal stud back-up	SF	86,186.00	13.50	1,164,372
2549	4" Light gauge metal stud back-up	SF	10,333.00	10.60	109,685
2550	3 5/8" Light gauge metal stud back-up	SF	10,681.00	10.10	108,226
2551	2 1/2" Light gauge metal stud back-up	SF	5,860.00	8.70	50,894
2560	5/8" Thick gypsum board lining	SF	75,088.00	4.30	326,070
B2010 - Exterior Walls				4.72/SF	1,795,284
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	874.00	16.40	14,338
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	60,763.00	18.80	1,143,407
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	50,927.00	20.30	1,032,035

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
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	54,444.00	22.00	1,197,876
2412	Gypsum board partition - 6" metal stud staggered in 8" metal track with 2 layer 5/8" GWB on both sides with 5" acoustic batt insulation (Type G6.0C)	SF	717.00	26.10	18,681
2413	Gypsum board partition - 6" metal stud with 1 layer 5/8" GWB on both sides with 5" acoustic batt insulation, 1 hour fire rated (Type G6.1)	SF	115.00	21.00	2,419
1550	Gypsum board partition - 6" metal stud with 2 layer 5/8" GWB on both sides with 5" acoustic batt insulation, 1 hour fire rated (Type G6.1B)	SF	3,111.00	24.60	76,554
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	19,584.00	27.50	538,609
2684	Gypsum board partition - 8" metal stud with 1 layer 5/8" abuse resistant GWB on both side (Type G8.0)	SF	260.00	22.20	5,771
459	Gypsum board furring - 7/8" metal stud with 1 layer 5/8" GWB (Type F1.0)	SF	2,045.00	7.20	14,801
2411	Gypsum board furring - 1-5/8" metal stud with 1 layer 5/8" GWB (Type F2.0)	SF	2,878.00	8.20	23,607
1552	Gypsum board furring - 2-1/2" metal stud with 1 layer 5/8" GWB (Type F3.0)	SF	2,675.00	9.20	24,524
410	Gypsum board furring - 3-5/8" metal stud with 1 layer 5/8" GWB (Type F4.0)	SF	34,755.90	10.60	368,934
432	Gypsum board furring - 3-5/8" metal stud with 2 layer 5/8" GWB (Type F4.0A)	SF	8,734.00	13.00	113,782
411	Gypsum board furring - 6" metal stud with 1 layer 5/8" GWB (Type F6.0)	SF	59,252.00	12.10	714,726
413	Gypsum board furring - 6" metal stud with 2 layer 5/8" GWB (Type F6.0A)	SF	40,878.00	14.50	591,709
2687	Shaft wall - 4" CH stud with 1" Gypsum liner panel one side and 1 layer 5/8" type X GWB another side with 4" acoustic batt insulation, 2 hour fire rated (Type S4.2)	SF	989.00	17.40	17,179
1565	Shaft wall - 6" CH stud with 1" Gypsum liner panel on side and 2 layers 5/8" type X GWB another side with 5-1/2" acoustic batt insulation, 1 hour fire rated (Type S6.1)	SF	1,236.00	27.50	33,993

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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
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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" type X GWB another side with 5 -1/2" acoustic batt insulation, 2 hour fire rated (Type S6.2)	SF	38,223.00	28.90	1,106,555
1571	Student booth / training wall - 2x4 FRT wood stud with 1 layer 1/2" FRT plywood sheathing on one side	SF	10,803.00	12.10	130,312
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	409,877.00	0.40	158,213
C1010 - Interior Partitions				19.26/SF	7,328,025
C2010	Wall Finishes				
141	Ceramic tile	SF	25,414.30	21.20	539,546
142	Thin porcelain tile	SF	21,279.00	24.10	513,356
144	Wood veneer panels (Media Center)	SF	4,760.00	62.70	298,571
1678	Phenolic resin panel system	SF	1,685.00	82.00	138,212
1810	Wood fiber acoustical panels	SF	4,542.00	82.00	372,558
782	Fabric wrap acoustical panel (Multi-Purpose RM)	SF	2,269.00	48.20	109,479
147	Decorative fabric metal panels (Stage) - none indicated	SF	474.00		Excl.
148	FRP panels	SF	6,573.00	24.10	158,574
170	Prepare and apply epoxy paint	SF	204,186.10	3.40	689,637
172	Prepare and apply paint to GWB	SF	323,094.90	1.30	405,323
841	Plastic laminate window sills	LF	2,334.60	72.40	168,967
1670	Metal column cover	SF	304.00	130.30	39,604
C2010 - Wall Finishes				9.02/SF	3,433,827
C2030	Flooring				
2	ASF, Rubber athletic flooring	SF	2,595.00	19.30	50,084
3	CPT-1, Carpet	SY	644.00	67.50	43,502
2375	CPT-2, Carpet	SY	905.00	67.60	61,133
1418	RC, Resilient carpet	SF	2,936.00	5.80	16,999
1398	PP, Porcelain floor tiles	SF	15,115.00	28.90	437,579
4	CMT, Ceramic mosaic tile	SF	4,429.00	19.30	85,480
5	SCONC, Sealed concrete	SF	87,611.40	1.40	126,817

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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
6	EF, Epoxy flooring and base	SF	10,980.40	14.50	158,941
8	FGC, Foot grille carpet	SF	923.00	67.60	62,349
9	LIN, Linoleum	SF	124,004.00	9.60	1,196,638
2380	SV, Sheet vinyl	SF	11,496.00	11.60	133,124
2376	MULT, Sheet vinyl - multipurpose	SF	10,037.00	11.60	116,228
18	SV-SR, Sheet vinyl - slip resistant	SF	402.00	11.60	4,655
1401	LVT, Luxury vinyl tile	SF	2,373.00	7.70	18,320
19	WOC1, Walk off carpet	SY	310.00	62.70	19,445
20	WAF, Wood athletic flooring	SF	10,116.00	19.30	195,239
10	Resilient base	LF	38,445.30	4.80	185,499
1744	Sheet vinyl base	LF	2,844.00	4.80	13,722
1707	Porcelain tile base	LF	835.00	24.10	20,144
11	Ceramic tile base	LF	2,872.00	19.30	55,430
2482	6" Tall pre-cast terrazzo base - excluded	LF	933.00		Excl.
2483	Millwork base	LF	191.00	28.90	5,529
815	High performance adhesive, resilient flooring	SF	150,905.00	1.40	218,435
2631	High performance adhesive, non-resilient flooring	SF	29,768.00	1.40	43,089
C2030 - Flooring				8.59/SF	3,268,381
C2040	Stair Finishes				
15	RR-L, Photoluminescent rubber stair treads, risers, and landings	SF	9,996.00	24.10	241,154
2660	Terrazzo stair treads, risers, and landings - excluded	SF	1,024.00		Excl.
2665	Concrete sealer (Mezz. stairs)	SF	181.00	4.80	873
C2040 - Stair Finishes				0.64/SF	242,027
C2050	Ceiling Finishes				
31	Acoustic ceiling (ACT-1) - 2' x 2' NRC acoustic ceiling tile	SF	174,259.30	7.70	1,345,280
32	Acoustic ceiling (ACT-2) - 2' x 2' Washable acoustic ceiling tile	SF	5,633.00	7.70	43,487
33	Acoustic ceiling (ACT-3) - 2' x 2' NRC tegular acoustic ceiling tile	SF	12,940.90	7.70	99,904

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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
34	Acoustic ceiling (ACT-4) - 2' x 6' NRC tegular acoustic ceiling tile	SF	4,685.00	11.60	54,252
1447	Acoustic ceiling (ACT-5)	SF	4,499.00	11.60	52,098
46	Acoustic preformed ceiling panels at Media Center	SF	1,852.00	62.70	116,167
1455	Acoustic ceiling reflector at Stage	SF	332.00	91.70	30,436
37	Gypsum board ceiling	SF	18,292.30	19.30	353,041
41	Gypsum board ceiling, moisture resistant	SF	6,915.70	24.10	166,841
38	LMC-2, Linear metal ceiling with wood appearance	SF	9,980.00	62.70	625,995
2669	Wood paneling ceiling (IWP)	SF	647.00	62.70	40,583
39	Paint to gypsum board ceiling	SF	35,970.20	1.40	52,067
2407	Suspended pipe rail ceiling system (Multi Purpose RM)	SF	3,290.00	14.50	47,623
40	Paint to exposed ceiling	SF	71,288.70	2.20	158,225
42	Sound isolator 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	54,534.00	24.60	1,341,944
75	Allowance for gypsum board soffit - allow 20% of GWB	SF	8,580.00	24.10	206,993
2406	4" Metal suspension trim	LF	428.00	48.30	20,651
C2050 - Ceiling Finishes				12.50/SF	4,755,587
09 - FINISHINGS				54.72/SF	20,823,131
10	SPECIALTIES				
C1090	Interior Specialties				
277	Restroom accessories - Toilet partition	EA	31.00	1,254.50	38,890
287	Restroom accessories - Toilet partition, ADA	EA	14.00	1,640.50	22,967
302	Restroom accessories - Urinal partition	EA	15.00	675.50	10,133
280	Restroom accessories - Tissue paper dispenser	EA	88.00	120.60	10,615
281	Restroom accessories - Grab bar	EA	57.00	173.70	9,901
305	Restroom accessories - Shower grab bar	Set	10.00	434.30	4,343
282	Restroom accessories - Napkin disposal	EA	69.00	482.50	33,293
283	Restroom accessories - Robe hook	EA	88.00	96.50	8,492
284	Restroom accessories - Soap dispenser	EA	65.00	144.80	9,409
285	Restroom accessories - Shower curtain and rod	EA	10.00	193.00	1,930

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LOCATION DIVISIONS/ELEMENTS ITEM

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A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
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Ref	Description	Unit	Qty	Rate USD	Total Cost USD
304	Restroom accessories - Shower seat	EA	10.00	579.00	5,790
291	Restroom accessories - Framed mirror	EA	65.00	772.00	50,180
292	Restroom accessories - Towel dispenser/waste receptacle	EA	69.00	820.20	56,597
303	Restroom accessories - Baby changing table - none indicated	EA	5.00		Excl.
319	Allowance for markerboards - 4'x4'	EA	37.00	217.10	8,034
339	Allowance for markerboards - 6'x4'	EA	39.00	337.70	13,172
1533	Allowance for markerboards - 8'x4'	EA	3.00	453.70	1,361
1534	Allowance for markerboards - 10'x4'	EA	12.00	559.70	6,716
320	Allowance for tackboards - 4'x4'	EA	41.00	164.00	6,726
335	Allowance for tackboards - 8'x4'	EA	4.00	318.50	1,274
1535	Allowance for tackboards - 12'x4'	EA	2.00	482.50	965
321	Allowance for visual display rails	Item			9,650
329	Metal lockers - 2 tier 15"x15" (Corridors)	EA	354.00	772.00	273,288
2509	Metal lockers - 2 tier 15"x15" (Team Locker / Auto Collision)	EA	255.00	772.00	196,860
2510	Metal lockers - 3 tier 15"x15" (Locker / Shops)	EA	481.00	675.50	324,916
2478	Mirror (Fitness)	SF	462.00	33.80	15,604
2772	Mirror (Dressing)	SF	93.00	33.80	3,141
753	Allowance for janitor accessories	EA	12.00	723.80	8,685
327	Allowance for cubicle curtain at nurse's area	EA	2.00	1,737.00	3,474
1547	Allowance for cubicle curtain at Health /Medical Assisting	EA	15.00	1,737.00	26,055
328	Allowance for corner guards	Item			7,720
331	Allowance for closet and utility shelving	Item			5,790
332	Allowance for AED with cabinets	EA	12.00	1,930.00	23,160
296	Allowance for fire extinguisher and cabinets	EA	163.90	820.30	134,439
297	Allowance for interior signage	SF	409,877.00	0.90	355,978
298	Allowance for exterior signage	Item			14,475
C1090 - Interior Specialties				4.48/SF	1,704,023
10 - SPECIALTIES				4.48/SF	1,704,023

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
11	EQUIPMENT				
E1040	Institutional Equipment				
340	Fixed audience seating (Multipurpose Room)	EA	546.00	579.00	316,134
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	89.00		Incl.
344	Large format digital information display (Cafeteria Commons)	EA	4.00		Incl.
2573	Fume hoods, ductless	EA	6.00	14,475.00	86,850
E1040 - Institutional Equipment				1.06/SF	402,984
E1070	Entertainment and Recreational Equipment				
2506	Rooftop playground equipment; Composite sensory panel	LS	1.00		Excl.
2507	Rooftop playground equipment; Rhapsody vibra chimes	EA	3.00		Excl.
363	Rooftop playground equipment; 2-5 spinner - none indicated	EA	1.00		Excl.
365	Rooftop playground equipment; 2-5 main play structure - none indicated	EA	1.00		Excl.
1705	Rooftop playground equipment; Dome climber - none indicated	EA	1.00		Excl.
364	Rooftop playground equipment; PIP rubber mound with composite wood arch bridge - none indicated	EA	1.00		Excl.
366	Rooftop playground equipment; PIP rubber mound with embankment slide - none indicated	EA	1.00		Excl.
E1070 - Entertainment and Recreational Equipment					Excl.
E1090	Other Equipment				
345	Food service equipment (Main Kitchen & Culinary Kitchen)	LS	1.00	2,315,998.00	2,315,998
2583	Food service equipment - adjustment per reconciliation	LS	1.00	-48,250.00	-48,250
1799	Loading dock equipment	EA	1.00	2,413.00	2,413
1800	Extended scissor alignment lift rack (12,000 lbs.)	EA	1.00	16,646.00	16,646

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LOCATION DIVISIONS/ELEMENTS ITEM

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A1 New School Building (continued)

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Ref	Description	Unit	Qty	Rate USD	Total Cost USD
890	Move Automotive Refinishing, Automotive Technology Lifts, HVAC & Plumbing Equipment, Dental, and Carpentry (FF&E)	LS	1.00		Excl.
1809	Workshop equipment (with FF&E)	LS	1.00		Excl.
1808	Residential equipment	Set	4.00	4,825.00	19,300
1801	Theater rigging	LS	1.00	193,000.00	193,000
1802	Gymnasium wall padding	SF	1,035.00	28.90	29,963
1803	Gymnasium batting cage	EA	1.00	5,308.00	5,308
1811	Gymnasium flexible stainless steel safety netting	SF	2,491.00	28.90	72,114
1804	Gymnasium dividers	SF	2,582.00	19.30	49,833
1805	Gymnasium basketball backdrop	EA	6.00	9,650.00	57,900
1806	Electronic scoreboards and shot clocks	LS	1.00	38,600.00	38,600
1807	Telescoping bleachers (Gymnasium)	LS	1.00	221,950.00	221,950
E1090 - Other Equipment				7.82/SF	2,974,775
11 - EQUIPMENT				8.88/SF	3,377,759
12	FURNISHINGS				
E1090	Other Equipment				
2571	Furnish and install Cosmetology equipment, etc.	LS	1.00	255,725.00	255,725
2572	Install owner furnished equipment	LS	1.00	95,535.00	95,535
E1090 - Other Equipment				0.92/SF	351,260
E2010	Fixed Furnishings				
323	Window roller shades, manual operated (Classrooms, Science Labs, Art rooms)	SF	27,761.20	9.70	267,896
803	Window roller shades, manual operated	EA	174.00		Incl.
324	Window roller shades, electrically operated (Media Center)	SF	2,314.00	19.30	44,660
325	Vertical blinds, manual operated (Administration)	SF	588.00	11.60	6,809
326	Tension shade system, electrically operated (Dome skylight) - none indicated	SF	750.00		Excl.
2826	Additional furnishing allowance	LS	1.00	15,000.00	15,000
E2010 - Fixed Furnishings				0.88/SF	334,365
12 - FURNISHINGS				1.80/SF	685,625

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LOCATION DIVISIONS/ELEMENTS ITEM

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A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
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Ref	Description	Unit	Qty	Rate USD	Total Cost USD
14	CONVEYING EQUIPMENT				
D1010	Vertical Conveying Systems				
687	Traction passenger elevator, 5 stops, open both sides, 3500 pounds	EA	1.00	458,375.00	458,375
2511	Traction service elevator, 4 stops, 5000 pounds	EA	1.00	347,400.00	347,400
1791	Allowance for elevator usage to support miscellaneous trades	LS	1.00		Excl.
2512	Elevator car allowance (per section 14150)	EA	2.00	25,000.00	50,000
2807	Operator time/fees for other trades	LS	1.00	100,000.00	100,000
	D1010 - Vertical Conveying Systems			2.51/SF	955,775
	14 - CONVEYING EQUIPMENT			2.51/SF	955,775
21	FIRE SUPPRESSION				
D4010	Fire Suppression				
787	General requirements: supervision, shop drawings, asbuilt, tags, markers, tools, rentals, BIM, cleaning, storage, material handling, seismic restraints, permits, fees etc.	Item			290,465
1510	Fire pump, 1000 gpm c/w Control Panel	EA	1.00	96,500.00	96,500
1515	JP, Jockey pump c/w Control Panel	EA	1.00	8,203.00	8,203
1513	8" (ERW), Fire specialty piping c/w fittings, supports, etc.	LF	496.00	164.10	81,369
1497	6" (ERW), Fire specialty piping c/w fittings, supports, etc.	LF	2,191.00	115.80	253,718
1504	4" (CS), Fire specialty piping c/w fittings, supports, etc.	LF	5,731.00	62.70	359,477
2704	3" (CS), Fire specialty piping c/w fittings, supports, etc.	LF	2,607.00	57.90	150,945
1899	2-1/2" (CS), Fire specialty piping c/w fittings, supports, etc.	LF	3,547.00	48.30	171,143
1523	2" (CS), Fire specialty piping c/w fittings, supports, etc.	LF	8,915.00	57.90	516,179
2606	1/2" to 1-1/2" Fire specialty piping c/w fittings, supports, etc.	LF	27,858.00	38.60	1,075,318
1507	Double check valve backflow preventor assembly, 8"	EA	1.00	9,650.00	9,650
1498	Zone control valve assembly, 4"	EA	28.00	4,342.50	121,590
1844	Post Indicator/Isolation valve, 8"	EA	7.00	2,412.60	16,888

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LOCATION DIVISIONS/ELEMENTS ITEM

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A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
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Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1845	Post Indicator/Isolation valve, 6"	EA	8.00	1,930.00	15,440
1870	Post Indicator/Isolation valve, 4" (none indicated)	EA	17.00		Excl.
2702	Bypass valve, 6"	EA	1.00	2,413.00	2,413
1521	Check valve, 8"	EA	4.00	2,895.00	11,580
1905	Check valve, 6"	EA	1.00	1,737.00	1,737
1869	Check valve, 4" (none indicated)	EA	2.00		Excl.
1904	Check valve, 2"	EA	1.00	869.00	869
1846	Drain valve 3"	EA	8.00	627.30	5,018
1906	OS&Y Gate valve, 8"	EA	1.00	3,088.00	3,088
1907	OS&Y Gate valve with tamper switch, 6"	EA	16.00	3,377.50	54,040
2698	OS&Y Gate valve with tamper switch, 4"	EA	2.00	2,895.00	5,790
2706	OS&Y Gate valve with tamper switch, 3"	EA	1.00	2,654.00	2,654
1908	OS&Y Gate valve with tamper switch, 2-1/2"	EA	2.00	1,254.50	2,509
2688	Main alarm check valve, 8"	EA	1.00	4,343.00	4,343
1512	Main alarm check valve, 6"	EA	3.00	2,123.00	6,369
1540	Fire department valve assembly, 2-1/2"	EA	36.00	1,158.00	41,688
1881	Fire hose cabinet	EA	11.00	2,123.00	23,353
1843	Fire department connection 4x4" c/w chain and cap	EA	2.00	3,860.00	7,720
1508	FP water service connection, 8"	EA	1.00	9,650.00	9,650
1514	FPTH, Fire protection test header	EA	1.00	1,448.00	1,448
1559	Roof hydrant assembly-allow	EA	4.00	1,447.50	5,790
1502	Sprinkler heads c/w drop piping	EA	3,551.00	154.40	548,274
1940	Hookup for Fire pump	EA	1.00	1,930.00	1,930
1939	Hookup for Jockey pump	EA	1.00	965.00	965
2726	Cap, 1" to 1-1/2"	EA	3.00	96.70	290
2725	Cap, 2"	EA	45.00	120.60	5,428
1525	Cap, 2.5"	EA	18.00	144.80	2,606
2724	Cap, 3"	EA	13.00	144.80	1,882
1516	Cap, 4"	EA	37.00	96.50	3,571

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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
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Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1517	Cap, 6"	EA	1.00	193.00	193
	D4010 - Fire Suppression			10.31/SF	3,922,083
	21 - FIRE SUPPRESSION			10.31/SF	3,922,083
22	PLUMBING				
D2010	Domestic Water Distribution				
1886	Plumbing Fixtures	Note			
2072	P-1, Water Closet - Flush Valve - Wall Mounted	EA	33.00	1,640.50	54,137
2073	P-1A, Water Closet - Flush Valve - Wall Mounted, accessible	EA	57.00	1,785.20	101,759
2074	P-2, Urinal - Wall Hung	EA	8.00	1,544.00	12,352
2075	P-2A, Urinal - Wall Hung, accessible	EA	7.00	1,640.60	11,484
2076	P-3A, Lavatory - Rectangular - Wall Mounted 19X17	EA	54.00	1,399.30	75,560
2077	P-3B, Basin Type Lavatory - Oval	EA	7.00	1,206.30	8,444
2078	P-3C, Restroom Lavatory - Oval	EA	9.00	1,206.20	10,856
2636	P-3D, Circular Lavatory	EA	1.00	6,273.00	6,273
2079	P-4, Mop Receptor	EA	10.00	1,544.00	15,440
2404	P-4A, Mop Receptor, accessible	EA	2.00	1,640.50	3,281
2080	P-5, Drinking Fountain - Recessed	EA	10.00	2,702.00	27,020
2081	P-5A, Drinking Fountain - Bi-Level - Wall Mounted	EA	8.00	3,667.00	29,336
2082	P-6, Shower Base	EA	7.00	2,412.60	16,888
2381	P-6A, Shower, accessible	EA	4.00	3,377.50	13,510
2083	P-7, Emergency Eye Wash	EA	9.00	1,447.60	13,028
2084	P-8, Emergency Eyewash-Shower	EA	4.00	2,123.00	8,492
2637	P-8A, Emergency Eyewash-Shower	EA	10.00	3,377.50	33,775
2638	P-9, Emergency Eyewash-Shower	EA	9.00	3,860.00	34,740
2639	P-10, Utility sink	EA	3.00	1,447.70	4,343
2640	P-11, Hand sink	EA	2.00	1,158.00	2,316
2085	PX-1, Sink - Casework Sink - Furnished by others - Install only	EA	49.00	434.20	21,278
2086	PX-2, Sink - Casework Sink with Eyewash- Furnished by others - Install only	EA	6.00	434.30	2,606

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2087	PX-3, Sink - Cosmetology Sink - Furnished by others - Install only	EA	15.00	434.30	6,514
2088	PX-4, Sink - Science Room Sink - Furnished by others - Install only	EA	45.00	434.20	19,541
2089	PX-5, Sink - Lab Sink - Furnished by others - Install only	EA	31.00	434.30	13,462
2090	PX-6, Dental Station - Furnished by others - Install only	EA	18.00	579.00	10,422
2095	Allowance for missing/ miscellaneous plumbing fixtures(Main building building)	SF	409,877.00	0.20	79,106
447	Water Distribution and Components	Note			
2099	Connection to main(6")- (Main building)	EA	1.00	1,158.00	1,158
2103	Capped-HW & CW connection(pg-9/note-5)	EA	2.00	289.50	579
2104	Plumbing fixture- hook up(domestic water)	EA	254.00	386.00	98,044
2105	Kitchen equipment - hook up(water)	EA	118.00	482.50	56,935
2106	Laboratory sink- hook up(water)	EA	146.00	579.00	84,534
2107	PX-6, Dental station- hook up(1/2" CW)	EA	18.00	579.00	10,422
2108	RB07, Water -hook up c/w BFP(1")	EA	1.00	772.00	772
2112	6", water meter and backflow preventer assembly	EA	1.00	12,545.00	12,545
2113	DWP-1, Domestic water triplex booster pump (Syncroflo)	EA	1.00	82,025.00	82,025
453	Chlorine/PH monitor system with 100 gal. tanks - (allowance) - none indicated	EA	1.00	9,650.00	9,650
458	Chlorine/PH monitor system with 200 gal. tanks - (allowance) - none indicated	EA	1.00	17,370.00	17,370
2685	Chlorine/PH monitor system with 400 gal. reactor tanks	EA	2.00	33,775.00	67,550
2686	Chemical storage tanks, 30 gal.	EA	2.00	2,412.50	4,825
2115	Backflow preventer(for NPCW to science rooms)	EA	1.00	1,448.00	1,448
2116	1/2", Stacked reduced pressure backflow preventer(to serve janitors sink)(pg-21)	EA	2.00	579.00	1,158
2117	1/2", Stacked reduced pressure backflow preventer (allowance)(pg-13)	EA	4.00	772.00	3,088
2644	3/4", Stacked reduced pressure backflow preventer	EA	2.00	3,377.50	6,755

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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2118	2", Stacked reduced pressure backflow preventer (allowance)(pg-12) - none indicated	EA	2.00		Excl.
2119	2", Stacked reduced pressure backflow preventer (allowance)(pg-16) - none indicated	EA	2.00		Excl.
2646	1", Reduced pressure backflow preventer	EA	2.00	1,447.50	2,895
2120	EWB-1, Electric storage water heater(Durawatt-460), 90 kW	EA	2.00	79,612.50	159,225
2121	EWB-2, Electric storage water heater(Durawatt-270), 54 kW	EA	2.00	40,530.00	81,060
2122	EWB-3, Electric storage water heater(DSE-120), 54 kW	EA	1.00	25,341.00	25,341
2123	EWB-4, Electric storage water heater(Durawatt-550), 108 kW	EA	2.00	79,547.00	159,094
2124	EWB-5, Electric storage water heater(DSE-30), 6 kW	EA	1.00	6,273.00	6,273
2641	EWB-6, Electric storage water heater(DSE-40), 3 kW	EA	1.00	3,860.00	3,860
2125	Electric water heaters (serving plumbing vocational shop)(pg-8)	EA	2.00		Incl.
2126	Ceiling hung Electric water heater(serving toilet rooms & duplicating room sink)	EA	1.00		Incl.
2127	Gas fired water heater(serving plumbing/pipe fitting shop), 130 Gal, 400 CFH(PVI conquest condensing water heater)(pg-9)	EA	2.00	38,285.00	76,570
2642	Gas fired water heater(serving HVAC Tech shop), 150 CFH, Navien #NPE-180A2	EA	1.00	5,018.00	5,018
2131	Temperature maintenance re-heater for NPHW system - none indicated	EA	1.00		Excl.
2132	HWRP, Recirculation pump	EA	12.00	2,412.50	28,950
2133	ET, Expansion tank	EA	12.00	482.50	5,790
2134	Mixing valve(serving water heaters)	EA	12.00	482.50	5,790
2135	Dual mixing valve assembly - none indicated	EA	1.00		Excl.
2645	TX mixing valve assembly	EA	1.00	965.00	965
2136	Triple mixing valve assembly	EA	1.00	965.00	965
2137	Thermostatic mixing valve(serving kitchen- hand sink) (pg-29- fixture schedule)	EA	11.00	386.00	4,246

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LOCATION DIVISIONS/ELEMENTS ITEM

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A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2138	Emergency mixing valve(serving emergency eye wash)	EA	2.00	386.00	772
2139	Emergency mixing valve(serving emergency shower/ eye wash) - none indicated	EA	2.00		Excl.
2140	Housekeeping pad(to be carried elsewhere in this estimate)	Note			Excl.
2513	Trap seal primer c/w tubing	EA	114.00	289.50	33,003
2141	HB, Hose bib	EA	24.00	289.50	6,948
2142	WH, Non freeze wall hydrant	EA	14.00	482.50	6,755
2145	1/2" to 1", copper distribution c/w fittings, supports etc.	LF	11,690.00	22.20	259,460
2146	1-1/4" to 1-1/2", copper distribution c/w fittings, supports etc.	LF	1,935.00	38.60	74,691
2147	2" to 3",copper distribution c/w fittings, supports etc.	LF	3,499.00	99.40	347,783
2148	4",copper distribution c/w fittings, supports etc.	LF	407.00	207.50	84,442
2149	6",copper distribution c/w fittings, supports etc.	LF	91.00	453.50	41,273
2150	Thermal pipe insulation - 1/2" to 1" copper pipe	LF	11,690.00	6.30	73,326
2151	Thermal pipe insulation - 1-1/4" to 1-1/2" copper pipe	LF	1,935.00	12.50	24,275
2152	Thermal pipe insulation - 2" to 3",copper distribution	LF	3,499.00	19.30	67,531
2153	Thermal pipe insulation - 4",copper distribution	LF	407.00	24.10	9,819
2154	Thermal pipe insulation - 6",copper distribution	LF	91.00	33.80	3,074
2158	Water meter c/w bfp assembly- c/w service bypass hook up(6")	EA	1.00	9,168.00	9,168
2159	Triplex booster pump- hook up	EA	1.00	3,860.00	3,860
2514	Chlorine/PH monitor system- hook up	EA	4.00	723.80	2,895
2160	Neutralization system- hook up	EA		8,000.00	0
2161	Gas fired water heater- hook up	EA	3.00	723.70	2,171
2162	Electric water heater- hook up(small)	EA	2.00	531.00	1,062
2164	Electric water heater- hook up(large)	EA	7.00	723.70	5,066
2166	NPHW temperature maintenance station- hook up - none indicated	EA	1.00		Excl.
2167	Circulating pump - hook up	EA	12.00	723.80	8,685
2168	Expansion tank - hook up	EA	12.00	289.50	3,474

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LOCATION DIVISIONS/ELEMENTS ITEM

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A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
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Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2169	Mixing valve - hook up	EA	27.00	482.50	13,028
2170	RBFP- hook up	EA	11.00	530.70	5,838
1373	Hookup - plumbing	EA	38.00	627.30	23,836
2171	Student plumbing booth- hook up(water)(pg-9/note-4) (allowance)	EA	2.00	386.00	772
2172	Allowance for missing/ miscellaneous domestic water system c/w fixture rough in, hot & cold water piping, non-potable piping, tempered piping etc.(Main building)	SF	409,877.00	0.30	118,659
2176	Subcontractor GCs/GRs	Item			201,685
	D2010 - Domestic Water Distribution			8.13/SF	3,094,214
D2020	Sanitary Drainage				
2177	Connection to main	EA	17.00	723.80	12,304
2178	Plumbing fixture - hook-ups(sanitary & vent)	EA	254.00	482.50	122,555
2179	Kitchen equipment - hook up(sanitary/indirect waste & vent)	EA	68.00	386.00	26,248
2180	Laboratory sink- hook up(acid waste & vent)	EA	146.00	579.00	84,534
2181	PX-6, Dental station- hook up(waste & vent)	EA	18.00	386.00	6,948
2187	Local grease trap GT-1, 35/50 gpm	EA	3.00	10,615.00	31,845
2317	Local grease trap GT-2, 50/75 gpm	EA	1.00	21,230.00	21,230
2186	Local grease trap, 35 gpm	EA	3.00		Incl.
2183	Grease trap for triple sink, 50 gpm	EA	3.00		Incl.
2185	Gas/ oil interceptor (for garage drainage system)	EA	5.00	19,300.00	96,500
2647	Oil/ water separator	EA	1.00	9,650.00	9,650
2191	Gas/ oil separator	EA	3.00	7,720.00	23,160
2480	Condensate pump (assumed one per each FCU and AC units)	EA	316.00	289.50	91,482
2192	Trench drain(serving auto collision/auto technology & metal fabrication areas)	LF	190.00	337.80	64,173
2194	FD, Floor drain	EA	136.00	434.30	59,058
2195	Condensate receptor	EA	25.00	482.50	12,063
2196	Kitchen grate	EA	30.00		Incl.
2197	CO, Clean out	EA	110.00	337.80	37,153

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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2198	Clean out (serving acid waste)	EA	10.00	434.30	4,343
2205	1-1/2", Sanitary piping c/w fittings - Ag	LF	75.00	36.70	2,750
2206	2", Sanitary piping c/w fittings - Ag	LF	1,225.90	38.60	47,320
2207	3", Sanitary piping c/w fittings - Ag	LF	826.10	43.40	35,874
2208	4", Sanitary piping c/w fittings - Ag	LF	1,859.00	48.30	89,697
2676	5", Sanitary piping c/w fittings - Ag	LF	71.00	53.10	3,768
2212	2", Sanitary piping c/w fittings - Bg	LF	69.70	38.60	2,690
2213	3", Sanitary piping c/w fittings - Bg	LF	131.60	43.40	5,715
2214	4", Sanitary piping c/w fittings - Bg	LF	4,050.80	48.20	195,451
2680	5", Sanitary piping c/w fittings - Bg	LF	96.00	53.10	5,095
2215	6", Sanitary piping c/w fittings - Bg	LF	817.40	57.90	47,327
2217	2", Acid waste drainage PP piping- Single containment c/w fittings-Ag	LF	423.00	62.70	26,533
2218	3", Acid waste drainage PP piping- Single containment c/w fittings-Ag	LF	71.00	86.80	6,166
2219	4", Acid waste drainage PP piping- Single containment c/w fittings-Ag	LF	243.00	115.80	28,139
2263	No excavation & backfill- assumed	Note			Excl.
2262	No cutting and patching assumed	Note			Excl.
2383	8", Radon mitigation vent riser from below slab	EA	16.00		Incl.
2225	Allowance for vent piping	LS	1.00	231,600.00	231,600
1296	1-1/2" to 2", Vent c/w fittings, supports, etc, ag	LF	2,863.70	43.40	124,357
2683	3", Vent c/w fittings, supports, etc, ag	LF	4,423.00	43.40	192,069
2682	4", Vent c/w fittings, supports, etc, ag	LF	2,306.60	48.20	111,293
2681	8", Vent c/w fittings, supports, etc, ag	LF	193.00	72.40	13,968
1304	1-1/2" to 2", Vent piping, bg	LF	711.20	48.20	34,315
2673	3", Vent piping, bg	LF	657.90	43.40	28,569
2674	4", Vent piping, bg	LF	261.70	48.20	12,627
2229	8", Vent piping c/w fitting, support, etc (radon mitigation) (Riser from lower slab till roof serving every 10,000 SF)	LF	1,092.00	62.70	68,496
2230	Allowance for acid vent piping	LS	1.00	135,100.00	135,100

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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
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Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2671	2", Acid vent piping c/w fittings - Ag	LF	937.00	62.70	58,773
2672	4", Acid vent piping c/w fittings - Ag	LF	77.00	115.80	8,917
2400	Student plumbing booth- hook up(drain)(pg-9/note-4) - none indicated	EA	3.00		Excl.
2234	Allowance for missing/ miscellaneous sanitary drainage system c/w piping, vents, ejectors, clean-out, acid waste, etc.(Main building)	SF	409,877.00	0.30	118,659
2238	Subcontractor GCs/GRs	Item			120,625
2749	PH-1, Neutralization system for science rooms	EA	1.00	77,200.00	77,200
D2020 - Sanitary Drainage				6.66/SF	2,536,339
D2030	Building Support Plumbing Systems				
1883	Connection to main	EA	11.00	723.70	7,961
1884	SP-1, Simplex elevator pit sump pump, 50 gpm	EA	1.00	7,238.00	7,238
1885	SP-2, Simplex elevator pit sump pump, 50 gpm	EA	1.00	7,238.00	7,238
2240	Scupper type drains(at low roof)/(pg-24/note-1)	EA	10.00	482.50	4,825
2241	3" TD, Terrace drain c/w grate (none indicated)	EA	4.00		Excl.
2242	4" RD/OFD, Roof Drain/ Overflow drain	EA	108.00	1,158.00	125,064
2243	6" RD/OFD, Roof Drain/ Overflow drain	EA	1.00	1,255.00	1,255
2244	Flat grate under pavers(serving roof drains)(pg-10)	EA	2.00	193.00	386
2245	Clean out	EA	120.00	337.80	40,530
2246	4", Storm drain piping c/w fittings, supports - Ag	LF	4,041.40	48.30	194,998
2651	5", Storm drain piping c/w fittings, supports - Ag	LF	63.00	53.10	3,344
2247	6", Storm drain piping c/w fittings, supports - Ag	LF	2,495.00	106.10	264,844
2248	8", Storm drain piping c/w fittings, supports - Ag	LF	266.00	173.70	46,204
2250	4", Storm drain piping c/w fittings, supports - Bg	LF	156.00	55.00	8,581
2251	6", Storm drain piping c/w fittings, supports - Bg	LF	475.80	96.50	45,915
2252	8", Storm drain piping c/w fittings, supports - Bg	LF	618.00	137.00	84,685
2253	10", Storm drain piping c/w fittings, supports - Bg	LF	304.00	179.50	54,565
2254	No excavation & backfill- assumed	Note			Excl.
2255	No cutting and patching assumed	Note			Excl.
2256	Elevator pit sump pump- hook up	EA	2.00	1,447.50	2,895

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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2257	Allowance for missing/ miscellaneous storm water drainage system(Main building)	SF	409,877.00	0.20	79,106
2261	Subcontractor GCs/GRs	Item			68,515
	D2030 - Building Support Plumbing Systems			2.75/SF	1,048,149
D2050	General Service Compressed-Air				
1893	AC-1, Air compressor(auto collision/ metal fabrication) c/w receiver & dryer	EA	1.00	51,577.00	51,577
1898	AC-2, Air compressor c/w tank (Votech shops)	EA	1.00	31,876.00	31,876
1900	AC-3, Air compressor c/w tank (Biotech shops)	EA	1.00	37,461.00	37,461
2265	AC-4, Air compressor c/w tank (Robotics)	EA	1.00	18,335.00	18,335
2264	AC-5, Air compressor c/w tank (Dental)	EA	1.00	75,753.00	75,753
1901	AC-4, Air compressor c/w tank (Draft and design) - none indicated	EA	2.00		Excl.
2266	400 gal, Air receiver tank(serving AC-1)	EA	1.00		Incl.
2657	200 gal, Air receiver tank(serving AC-2)	EA	1.00	4,198.00	4,198
2658	200 gal, Air receiver tank(serving AC-4)	EA	1.00	4,198.00	4,198
2267	Air dryer(serving AC-1)	EA	1.00		Incl.
2653	Air dryer(serving AC-2)	EA	1.00	3,513.00	3,513
2654	Air dryer(serving AC-3)	EA	1.00	483.00	483
2655	Air dryer(serving AC-4)	EA	1.00	3,513.00	3,513
2268	Master compressed air shut-off(for auto collision area) (allowance)	EA	1.00	2,413.00	2,413
2271	Compressed air - 1/2 to 1" piping	LF	3,419.00	38.60	131,973
2272	Compressed air - 1 1/4" piping	LF	699.00	45.40	31,703
2663	Compressed air - 1 1/2" piping	LF	89.00	48.20	4,294
2273	Compressed air- hook up c/w pressure gauge, air filter, condensate filter, pressure regulator (none indicated)	EA	44.00		Excl.
2274	Compressed air- hook up c/w shutoff valve, pressure gauge, air filter, condensate filter, pressure regulator (pg-21/note-1)	EA	6.00	530.80	3,185
2275	Compressed air- hook up c/w shut off valve, pressure gauge, air filter, air pressure regulator, 50' hose reel (Carpentry shop)	EA	43.00	1,737.00	74,691

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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
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Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2397	Compressed air- hook up c/w shut off valve, pressure gauge, air filter, air pressure regulator, 50' hose reel (pg-9/note-1)(HVAC technology shop)	EA	10.00	1,737.00	17,370
2276	Compressed air- paint booth- hook up	EA	2.00	531.00	1,062
2277	Compressed air- hook up(to equipment)	EA	1.00	531.00	531
2278	Air compressor - hook up	EA	5.00	530.80	2,654
2279	Air compressor tank- hook up	EA	5.00	530.80	2,654
2280	Air receiver - hook up	EA	3.00	530.70	1,592
2281	Air dryer - hook up	EA	4.00	530.80	2,123
2282	Dust collector- hook up	EA	1.00	531.00	531
2283	Dental station- hook up(CA)	EA	18.00	530.80	9,554
2284	Biotech labs- ceiling panels- hook up(CA)(allowance) - none indicated	EA	5.00		Excl.
2285	Allowance for missing/ miscellaneous compressed air system(Main building)	SF	409,877.00	0.50	197,766
2289	Subcontractor GCs/GRs	Item			50,180
	D2050 - General Service Compressed-Air			2.01/SF	765,183
D2060	Process Support Plumbing Systems				
1895	VAC-1, Vacuum pump(biotech lab)	EA	1.00	19,011.00	19,011
2290	VAC-2, Vacuum pump(dental)	EA	1.00	52,110.00	52,110
2291	Gas meter assembly(to be by others)	EA	1.00		Excl.
2398	Kitchen emergency gas shut-off system c/w main control panel, shut-off switch, gas solenoid valve, CO detectors, etc(allowance)	EA	4.00	4,825.00	19,300
2664	Auto shop emergency gas shut-off system c/w main control panel, shut-off switch, gas solenoid valve, etc (allowance)	EA	1.00	3,378.00	3,378
2293	Vacuum piping c/w fittings, support, etc- main	LF	558.00	53.10	29,616
2295	1-1/4" to 1-1/2", Sch.40 steel natural gas distribution c/w fittings, supports etc. (none indicated)	LF	6.00		Excl.
2296	2" to 2-1/2",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	88.00	77.20	6,794
2297	3",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	8.00	96.50	772

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2298	4",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	281.00	115.80	32,540
2668	5",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	9.00	139.90	1,259
2667	6",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	352.00	149.60	52,650
2666	8",Sch.40 steel natural gas distribution c/w fittings, supports etc.	LF	84.00	164.00	13,780
2301	Argon piping c/w fittings, support, etc	LF	333.00	53.10	17,674
1747	Allowances for argon piping	LF	713.00	53.10	37,842
2302	Acetylene piping c/w fittings, support, etc - none indicated	LF	168.00		Excl.
2300	Oxygen piping c/w fittings, support, etc - none indicated	LF	167.00		Excl.
2304	Welding booth -hook up(Ar)	EA	27.00	530.70	14,330
2305	Welding booth -hook up(C2H2- acetylene) - none indicated	EA	22.00		Excl.
1757	Allowances for miscellaneous argon hookups	LS	1.00	24,125.00	24,125
2303	Welding booth -hook up(O2) - none indicated	EA	22.00		Excl.
2307	Argon storage tank- hook up c/w manifolds, shutoff valves, etc	EA	1.00	9,650.00	9,650
2308	Acetylene storage tank- hook up c/w manifolds, shutoff valves, etc	EA	1.00	9,650.00	9,650
2306	Oxygen storage tank- hook up c/w manifolds, shutoff valves, etc	EA	1.00	9,650.00	9,650
2517	Vacuum pump- hook up	EA	2.00	1,447.50	2,895
2309	Biotech labs- ceiling panels- hook up(Vacuum) (allowance) - none indicated	EA	5.00		Excl.
2310	Dental station- hook up(Vacuum)	EA	18.00	530.80	9,554
2399	Kitchen emergency gas shut-off system- hook up	EA	4.00	530.80	2,123
2311	Water heater - hook up(NG)	EA	3.00	530.70	1,592
2312	Paint booth- hook up(NG)	EA	2.00	531.00	1,062
2313	Kitchen equipment - hook up(natural gas)	EA	24.00	530.80	12,738

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2314	Biotech labs- ceiling panels- hook up(NG)(allowance) - none indicated	EA	5.00		Excl.
2531	Student plumbing booth- hook up(NG) - none indicated	EA	3.00		Excl.
1756	Allowances for misc NG valves and accessories	LS	1.00	14,475.00	14,475
1746	Main control panel at each gas hood - allow	No	8.00	3,860.00	30,880
2315	Allowances for additional main building gas system (natural gas/Ar)	SF	409,877.00	0.30	118,659
2316	Subcontractor GCs/GRs	Item			55,005
	D2060 - Process Support Plumbing Systems			1.58/SF	603,114
	22 - PLUMBING			21.14/SF	8,046,999
23	HEATING, VENTILATING, AND AIR CONDITIONING				
D3020	Heat Systems				
1847	EUH-1, Electric unit heater, 15 kW	EA	12.00	2,653.80	31,845
1865	EUH-2, Electric unit heater, 1.5 kW	EA	3.00	1,158.00	3,474
1866	EUH-3, Electric unit heater, 3 kW	EA	6.00	1,544.00	9,264
1867	EUH-4 & 5, Electric unit heater, 10 kW	EA	6.00	2,171.30	13,028
	D3020 - Heat Systems			0.15/SF	57,611
D3030	Cooling Systems				
1667	LG HVAC equipments consisting of DX-split units, FCU c/w condenser units, branch circuit controllers, VCU's (serving RTU's, MAU's, AHU's, HRU's), etc.	LS	1.00	3,425,748.00	3,425,748
1189	AC- 0-4-5, 1-5-6/10, DX split system air conditioning unit 3 ton, 36 mbh cooling capacity c/w outdoor air-cooled condensing unit	EA	5.00		Incl.
1190	AC- 0-2 to 0-3, 0-6 to 0-8, 1-1 to 4, 1-7 to 9, 1-11 to 14, 2-1 to 6, 3-1 to 5, 4-1 to 5, CB-3 & LB-1, DX split system air conditioning unit 2 ton, 24 mbh cooling capacity c/w outdoor air-cooled condensing unit	EA	32.00		Incl.
1859	AC-H-01 to 03 / 04.1 to 04.4 / , DX split system air conditioning unit 1.5 ton, 18 mbh cooling capacity c/w outdoor air-cooled condensing unit	EA	7.00		Incl.
1860	AC-H-05 - 06, DX split system air conditioning unit 4 ton, 48 mbh cooling capacity c/w outdoor air-cooled condensing unit	EA	3.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1193	FCU, DX-cooled fan coil units 0.5 ton	EA	41.00		Incl.
1194	FCU, DX-cooled fan coil units 0.6 ton	EA	19.00		Incl.
1195	FCU, DX-cooled fan coil units 0.8 ton	EA	23.00		Incl.
1197	FCU, DX-cooled fan coil units 1 ton	EA	7.00		Incl.
1196	FCU, DX-cooled fan coil units 1.3 ton	EA	5.00		Incl.
1198	FCU, DX-cooled fan coil units 1.5 ton	EA	25.00		Incl.
1200	FCU, DX-cooled fan coil units 2 ton	EA	40.00		Incl.
1202	FCU, DX-cooled fan coil units 2.3 ton	EA	13.00		Incl.
1203	FCU, DX-cooled fan coil units 3 ton	EA	64.00		Incl.
1204	FCU, DX-cooled fan coil units 3.5 ton	EA	18.00		Incl.
1205	FCU, DX-cooled fan coil units 4 ton	EA	12.00		Incl.
1206	FCU, DX-cooled fan coil units 4.5 ton	EA	2.00		Incl.
1568	Refrigeration piping c/w fittings,supports, etc.	LF	52,802.00	43.40	2,292,925
1684	Allowance for refrigerant	Lb	12,700.00	24.10	306,388
1709	RTU - hook ups	EA	2.00	724.00	1,448
1710	MAU - hook ups	EA	2.00	724.00	1,448
1711	HRU - hook ups	EA	5.00	723.80	3,619
1712	AHU - hook ups	EA	10.00	723.80	7,238
1713	ERV - hook ups	EA	5.00	723.80	3,619
1974	FCU - hook ups	EA	269.00	482.50	129,793
1975	AC units - hook ups	EA	47.00	482.50	22,678
2481	Allowance for missing/ miscellaneous	SF	491,852.90	0.40	189,855
D3030 - Cooling Systems				16.78/SF	6,384,759
D3050	Facility HVAC Distribution Systems				
1677	YORK HVAC equipments consisting of RTU's, AHU's, MAU's and HRU's	LS	1.00	6,856,910.00	6,856,910
1154	RTU-1, DX-cooled roof-top air handling unit, 1,165 cfm c/w air-cooled VRF condensing units (6 ton), electric pre heat, etc.	EA	1.00		Incl.
1155	RTU-2, DX-cooled roof-top air handling unit, 14,000 cfm c/w air-cooled VRF condensing units (3 x 16 ton), electric pre heat, etc.	EA	1.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1157	MAU-1, DX-cooled make-up air unit, 6,510 cfm c/w air-cooled VRF condensing units (2 x 18 ton), electric pre heat, etc.	EA	1.00		Incl.
1158	MAU-2, DX-cooled make-up air unit, 15,605 cfm c/w air-cooled VRF condensing units (3 x 30 ton), electric pre heat, etc.	EA	1.00		Incl.
1159	AHU-1, DX-cooled indoor air handling unit, 20,000 cfm c/w air-cooled VRF condensing units (3 x 22 ton), electric pre heat, etc.	EA	1.00		Incl.
1160	AHU-3, DX-cooled indoor air handling unit, 15,475 cfm c/w air-cooled VRF condensing units (2 x 26 ton), electric pre heat, etc.	EA	1.00		Incl.
2648	AHU-2, DX-cooled indoor air handling unit, 15,465 cfm c/w air-cooled VRF condensing units (2 x 22 ton & 1 x 12 ton), electric pre heat, etc.	EA	1.00		Incl.
1161	AHU-4, DX-cooled indoor air handling unit, 9,405 cfm c/w air-cooled VRF condensing units (2 x18 ton & 2 x14 ton), electric pre heat, etc.	EA	1.00		Incl.
1162	AHU-5, DX-cooled indoor air handling unit, 7,275 cfm c/w air-cooled VRF condensing units (2 x12 ton), electric pre heat, etc.	EA	1.00		Incl.
1163	AHU-6, DX-cooled indoor air handling unit, 6,570 cfm c/w air-cooled VRF condensing units (2 x10 ton), electric pre heat, etc.	EA	1.00		Incl.
1164	AHU-7, DX-cooled indoor air handling unit, 8,265 cfm c/w air-cooled VRF condensing units (2 x14 ton), electric pre heat, etc.	EA	1.00		Incl.
1165	AHU-8, DX-cooled indoor air handling unit, 10,255 cfm c/w air-cooled VRF condensing units (2 x20 ton), electric pre heat, etc.	EA	1.00		Incl.
1166	AHU-9, DX-cooled indoor air handling unit, 3,555 cfm c/w air-cooled VRF condensing units (2 x14 ton), electric pre heat, etc.	EA	1.00		Incl.
1167	AHU-10, DX-cooled indoor air handling unit, 9,485 cfm c/w air-cooled VRF condensing units (2 x22 ton), electric pre heat, etc.	EA	1.00		Incl.
1142	ERV-1, Energy recovery ventilator, 695 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	20,265.00	20,265

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1143	ERV-2, Energy recovery ventilator, 285 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	8,685.00	8,685
1144	ERV-3, Energy recovery ventilator, 1,100 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	30,880.00	30,880
1145	ERV-4, Energy recovery ventilator, 1,795 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	50,180.00	50,180
1840	ERV-7, Energy recovery ventilator, 250 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	7,720.00	7,720
1150	HRU-1, DX-cooled dedicated outdoor air roof-top units, 19,640 cfm c/w air-cooled VRF condensing units (2 x 24 ton & 1 x 26 ton), electric pre heat, etc.	EA	1.00		Incl.
2649	HRU-2, DX-cooled dedicated outdoor air roof-top units, 18,735 cfm c/w air-cooled VRF condensing units (3 x 24 ton & 1 x 28 ton), electric pre heat, etc.	EA	1.00		Incl.
2650	HRU-3, DX-cooled dedicated outdoor air roof-top units, 19,395 cfm c/w air-cooled VRF condensing units (3 x 24 ton & 1 x 28 ton), electric pre heat, etc.	EA	1.00		Incl.
1151	HRU-4, DX-cooled dedicated outdoor air roof-top units, 7,070 cfm c/w air-cooled VRF condensing units (2 x18 ton & 1 x 28 ton), electric pre heat, etc.	EA	1.00		Incl.
1153	HRU-5, DX-cooled dedicated outdoor air roof-top units, 2,760 cfm c/w air-cooled VRF condensing units (2 x 6 ton), electric pre heat, etc.	EA	1.00		Incl.
2775	Dehumidifiers	EA	35.00	13,510.00	472,850
1168	F-1 & 8, Exhaust fan, 600 cfm	EA	2.00	1,206.50	2,413
1178	F-2, 11 & 12, Exhaust fan, 360 cfm	EA	3.00	723.70	2,171
1170	F-3, Exhaust fan, 1,000 cfm	EA	1.00	2,413.00	2,413
1169	F-4, Exhaust fan, 150 cfm	EA	1.00	483.00	483
1171	F-5, Exhaust fan, 2,600 cfm	EA	1.00	5,308.00	5,308
1174	F-7, Exhaust fan, 2,100 cfm	EA	1.00	4,217.00	4,217
1175	F-9, Exhaust fan, 500 cfm	EA	1.00	1,013.00	1,013
2659	F-10, Exhaust fan, 210 cfm	EA	1.00	425.00	425
1180	F-13, Exhaust fan, 18,400 cfm	EA	1.00	36,935.00	36,935
1181	F-15 & 16, Exhaust fan, 15,000 cfm	EA	2.00	30,108.00	60,216
2656	F-17, Exhaust fan, 900 cfm	EA	1.00	1,809.00	1,809

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1182	F-18, Exhaust fan, 885 cfm	EA	1.00	1,780.00	1,780
1849	F-20, Exhaust fan, 450 cfm	EA	1.00	917.00	917
2661	F-22, Exhaust fan, 130 cfm	EA	1.00	483.00	483
1183	KEF-1, Kitchen exhaust fan, 2,800 cfm	EA	1.00	5,621.00	5,621
1184	KEF-2, Kitchen exhaust fan, 3,300 cfm	EA	1.00	5,665.00	5,665
1185	KEF-3, Kitchen exhaust fan, 1,850 cfm	EA	1.00	3,715.00	3,715
1186	KEF-4, Kitchen exhaust fan, 2,365 cfm	EA	1.00	4,753.00	4,753
1188	KEF-5, Kitchen exhaust fan, 9,390 cfm	EA	1.00	10,350.00	10,350
1878	DF-1, Destratification fan, 18' blade dia	EA	2.00	18,866.00	37,732
1872	FTU-1 to 3, Fan terminal unit - electric heating, 1025 cfm, 12 kW	EA	3.00	965.00	2,895
1873	FTU-4, Fan terminal unit - electric heating, 945 cfm, 12 kW	EA	1.00	869.00	869
2662	FTU-5, Fan terminal unit - electric heating, 1220 cfm, 12 kW	EA	1.00	1,110.00	1,110
1874	FTU-6, Fan terminal unit - electric heating, 1100 cfm, 12 kW	EA	1.00	1,110.00	1,110
1875	FTU-7, Fan terminal unit - electric heating, 1500 cfm, 15 kW	EA	1.00	1,206.00	1,206
1876	FTU-8 & 9, Fan terminal unit - electric heating, 2250 cfm, 22 kW	EA	2.00	1,689.00	3,378
1191	Relocation of existing Dust collector including fan and abort gate	EA	1.00	4,825.00	4,825
1982	Kitchen exhaust hood	EA	2.00	2,412.50	4,825
1877	Sound attenuators	EA	24.00	7,720.00	185,280
1192	BS, VRF branch circuit selector	EA	45.00		Incl.
1209	Air cleaners (Airboss 2500)	EA	3.00	3,860.00	11,580
1972	VAV box (small)	EA	141.00	1,302.80	183,688
1305	VAV box (medium)	EA	51.00	1,688.70	86,126
1306	VAV box (large)	EA	6.00	2,412.50	14,475
1216	Galvanized duct work c/w fittings, supports, etc.	Lb	348,433.70	15.40	5,379,814
1217	Thermal insulation	SF	365,982.70	6.30	2,295,625
2774	Black welded kitchen exhaust system	Lb	10,500.00	19.80	207,716

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1243	4" to 6", Round galvanized duct work c/w fittings, supports, etc	LF	3,230.80	62.70	202,652
1242	7" to 8", Round galvanized duct work c/w fittings, supports, etc	LF	900.00	67.60	60,795
1346	10" to 12", Round galvanized duct work c/w fittings, supports, etc	LF	1,411.60	77.20	108,976
1241	14" to 16", Round galvanized duct work c/w fittings, supports, etc	LF	995.00	82.00	81,615
1245	18" to 20", Round galvanized duct work c/w fittings, supports, etc	LF	73.00	86.80	6,340
1317	22" to 24", Round galvanized duct work c/w fittings, supports, etc	LF	326.00	91.70	29,886
1968	26" to 28", Round galvanized duct work c/w fittings, supports, etc	LF	640.00	106.20	67,936
1220	30" to 32", Round galvanized duct work c/w fittings, supports, etc	LF	825.00	120.60	99,516
1223	34" to 36", Round galvanized duct work c/w fittings, supports, etc	LF	786.00	125.50	98,604
1225	38" to 40", Round galvanized duct work c/w fittings, supports, etc	LF	408.00	144.80	59,058
1226	42" to 44", Round galvanized duct work c/w fittings, supports, etc	LF	547.00	149.60	81,818
1978	46", Round galvanized duct work c/w fittings, supports, etc	LF	71.00	154.40	10,962
1397	48" to 50", Round galvanized duct work c/w fittings, supports, etc	LF	362.00	159.20	57,639
2070	52" to 54", Round galvanized duct work c/w fittings, supports, etc	LF	29.00	164.00	4,757
1228	60", Round SS duct work c/w fittings, supports, etc	LF	76.00	173.70	13,201
2677	44"/20", Oval galvanized duct work c/w fittings, supports, etc	LF	155.00	183.30	28,419
2678	58"/30", Oval galvanized duct work c/w fittings, supports, etc	LF	44.00	207.50	9,129
2679	60"/32", Oval galvanized duct work c/w fittings, supports, etc	LF	165.00	241.20	39,806
1302	Diffusers (small)	EA	8.00	144.80	1,158

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1218	A & A1, Diffusers (medium)	EA	218.00	193.00	42,074
1301	A3, Side-wall diffuser	EA	9.00	289.60	2,606
1969	D/D1/D2, Linear slot diffuser c/w plenum	EA	83.00	482.50	40,048
1970	E/H, Linear slot diffuser c/w plenum	EA	61.00	482.50	29,433
1971	F/G, Linear slot diffuser c/w plenum	EA	179.00	530.70	95,004
1290	Grilles (small)	EA	2.00	77.00	154
1300	C/C1, Grilles (medium)	EA	257.00	144.80	37,201
1303	C2, Side-wall grilles	EA	21.00	265.40	5,573
1236	Louver	SF	1,093.00	82.00	89,653
2699	B, Grille	EA	4.00	96.50	386
2692	Plenum, 12"x10"x60"	EA	8.00	965.00	7,720
2421	Plenum, 48"x12"x8"	EA	16.00	1,254.50	20,072
2071	Plenum, 84"x6"	EA	1.00		Excl.
2695	Plenum, 84"x48"	EA	1.00	4,825.00	4,825
1399	Plenum, 60"x10"	EA	11.00	4,825.00	53,075
1321	Plenum, 36"	EA	1.00	1,689.00	1,689
2691	Plenum, 48"x4"	EA	17.00	2,412.50	41,013
1979	Plenum, 90"x78"	EA	2.00	2,412.50	4,825
1247	Plenum, 96"x50"x44' long	EA	3.00	2,171.30	6,514
2690	Plenum, 104"x60"x48"	EA	1.00	9,650.00	9,650
2693	Plenum, 256"x6"	EA	1.00	7,238.00	7,238
1246	Tubing storage reel (CAR-MON TSR-S32)	EA	6.00	1,737.00	10,422
1248	Tubing storage reel (CAR-MON TSR-S24)	EA	2.00	1,447.50	2,895
1980	LTX flex hose, 4" dia x 15' type c/w RYA dual adaptor, tube sling, spring balancer and flahe set	EA	6.00	1,206.30	7,238
1299	BD, Balancing damper	EA	514.00	482.50	248,005
1976	BD, Balancing damper (large)	EA	5.00	820.20	4,101
1572	Combination fire/smoke damper	EA	26.00	723.80	18,818
1977	FD, Fire damper	EA	6.00	530.80	3,185
2689	Automatic electric dampers	EA	9.00	4,825.00	43,425
1983	Bryant OVM096 oil fired furnace	EA	2.00	11,097.50	22,195

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



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LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1984	York TL8E 95% efficient furnace	EA	5.00	9,650.00	48,250
1981	Relocate and installation of spark detection and suppression system	EA	1.00	2,895.00	2,895
1567	Allowance for miscellaneous/missing items	SF	409,877.00	0.30	118,659
2199	1/2" to 1", Condensate piping c/w fittings - Ag	LF	8,473.00	33.80	286,176
2200	1-1/4" to 1-1/2", Condensate piping c/w fittings- Ag	LF	2,141.00	38.60	82,643
2201	2", Condensate piping c/w fittings - Ag	LF	127.00	43.40	5,515
2203	Condensate piping from walk-in cooler/ walk-in freezer	LF	30.00	33.80	1,013
2540	Equipment cost adjustment, confirmed in meeting	LS	1.00		Excl.
	D3050 - Facility HVAC Distribution Systems			48.58/SF	18,486,886
D3060	Controls & Instrumentations				
1708	BAS control system c/w computer station, graphics, wiring, testing etc.	Pt	1,500.00	1,447.50	2,171,248
	D3060 - Controls & Instrumentations			5.71/SF	2,171,248
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	409,877.00	0.80	316,425
1560	General requirements: supervision, shop drawings, asbuilt, tags, markers, tools, rentals, BIM, cleaning, storage, material handling, seismic restraints, permits, fees etc.	Item			2,193,443
	D3070 - Special Purpose HVAC Systems			6.60/SF	2,509,868
	23 - HEATING, VENTILATING, AND AIR CONDITIONING			77.81/SF	29,610,372
26	ELECTRICAL				
D5020	Electrical Service and Distribution				
2409	System grounding grid and tie ins to building	SF	409,877.00	0.60	237,319
945	Main switchboard 4000 amps MSB-1A & 1B	EA	2.00	212,300.00	424,600
946	Primary 4000 amp service #1	EA	1.00	18,094.00	18,094
947	Primary 4000 amp service #2	EA	1.00	18,094.00	18,094
948	Emergency generator 300 kva (by utility company)	Note			Excl.
950	Transfer switch 400 amps	EA	3.00	13,992.70	41,978
952	Panel SB-DPH-LLA 800 amps	EA	1.00	31,652.00	31,652

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
953	Panel EM-DPH-LLA 400 amps	EA	1.00	22,774.00	22,774
954	Panel EM-DPH-ELEV-LLA 400 amps	EA	1.00	22,774.00	22,774
955	Elev #1 200 amps	EA	1.00	2,200.00	2,200
956	Elev #2 200 amps	EA	1.00	2,200.00	2,200
957	ELEV disconnect 200 amps	EA	2.00	2,123.00	4,246
958	Fire pump connection & controller connection	EA	1.00	1,423.00	1,423
960	DPH-LLA 1200 amps	EA	1.00	37,153.00	37,153
961	DPH-LLB 1200 amps	EA	1.00	37,153.00	37,153
962	DPH-LLC 1200 amps	EA	1.00	37,153.00	37,153
963	DPH-LLD 1200 amps	EA	1.00	37,153.00	37,153
964	DSH-4A 2000 amps	EA	1.00	37,153.00	37,153
965	DSH--4B 1600 amps	EA	1.00	31,652.00	31,652
966	MPH-2A & 2B 1200 amps	EA	1.00	31,652.00	31,652
967	Disconnect switches 60 amps	EA	4.00	603.30	2,413
968	Disconnect switches 100 amps	EA	12.00	916.80	11,001
969	Disconnect switches 200 amps	EA	12.00	1,785.30	21,423
970	EWB #1 & #2 200 amp connection	EA	2.00	2,268.00	4,536
971	Disconnects 400 amps	EA	9.00	2,267.80	20,410
972	System metering	EA	1.00	140,697.00	140,697
974	Coordination Study	EA	1.00	34,161.00	34,161
975	Arc Flash	EA	1.00	21,713.00	21,713
977	Panels 225 amps	EA	18.00	4,487.30	80,771
978	Panels 400 amps	EA	19.00	5,259.30	99,926
979	Panels 100 amps	EA	12.00	3,136.30	37,635
986	Panel GEN-EM-DPH-LLA 800 amps	EA	1.00	44,149.00	44,149
987	Generator emergency grounding	EA	1.00	8,241.00	8,241
989	Dry transformer - 30kVA	EA	12.00	3,739.40	44,873
991	Dry transformer - 75kVA	EA	2.00	5,066.50	10,133
992	Dry transformer - 115kVA	EA	19.00	8,274.90	157,223
993	Dry transformer - 225kVA	EA	2.00	12,062.50	24,125
1717	Feeders 60 amps CU	LF	12,400.00	21.20	263,252

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1718	Feeders 90 amps CU	LF	6,220.00	31.70	196,875
1719	Feeders 100 amps CU	LF	4,160.00		Excl.
1720	Feeders 150 amps CU	LF	960.00		Excl.
1721	Feeder 200 amps CU	LF	3,600.00		Excl.
1722	Feeders 225 amps CU	LF	4,860.00		Excl.
1723	Feeders 400 amps CU	LF	6,120.00		Excl.
1724	Feeders 600 amps CU	LF	640.00		Excl.
1725	Feeders 800 amps CU	LF	840.00		Excl.
1726	Feeders 1200 amps CU	LF	1,920.00		Excl.
1727	Feeders 4000 amps CU	LF	460.00		Excl.
1729	400 amps temporary transfer switch for roll up generator	EA	1.00	22,678.00	22,678
1730	Emergency generator communication conduit & wire	EA	1.00	17,853.00	17,853
1818	Panel Sub-Metering 100 amps BFM-II and c/t's	EA	34.00		Excl.
1819	Panel Sub-Metering 225 amps	EA	25.00		Excl.
1820	Panel Sub-Metering 400 amps	EA	21.00		Excl.
1821	Panel Sub-Metering 1200 amps	EA	1.00		Excl.
1822	Panel Sub-Metering 1600 amps	EA	1.00		Excl.
1823	Panel Sub-Metering 2000 amps	EA	1.00		Excl.
1824	Panel Sub-Metering misc add ons computer monitoring etc.	EA	1.00		Excl.
1825	Panel Sub-Metering branch metering 20 amps	EA	60.00		Excl.
2518	Feeders 100 amps AL	LF	4,160.00	25.50	105,980
2519	Feeders 150 amps AL	LF	960.00	32.00	30,756
2520	Feeder 200 amps AL	LF	3,600.00	46.80	168,489
2521	Feeders 225 amps AL	LF	4,860.00	51.00	248,096
2522	Feeders 400 amps AL	LF	6,120.00	93.70	573,453
2523	Feeders 600 amps AL	LF	640.00	141.00	90,231
2524	Feeders 800 amps AL	LF	840.00	211.50	177,684
2525	Feeders 1200 amps AL	LF	1,920.00	388.80	746,492
2526	Feeders 4000 amps AL	LF	460.00	1,165.50	536,142

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2778	Feeders: Added pricing adjustment per reconciliation	LS	1.00	950,524.00	950,524
2780	Mechanical connections-Reheat coils/branch selectors	EA	209.00	772.00	161,348
2781	Mechanical connections Fancoil units	EA	271.00	636.90	172,600
	D5020 - Electrical Service and Distribution			16.56/SF	6,302,306
D5030	General Purpose Electrical Power				
768	Interior electronic scoreboard & shot clock	EA	1.00	8,318.00	8,318
1001	Mechanical connections (VFD) 30 amps	EA	51.00	4,207.40	214,577
1002	Mechanical connections (VFD) 60 amps	EA	53.00	6,179.90	327,533
1003	Mechanical connections (VFD) 100 amps	EA	5.00	6,818.60	34,093
1004	Mechanical connections (VFD) 200 amps	EA	5.00	17,680.80	88,404
1005	Mechanical connections (VFD) 400 amps	EA	1.00	33,196.00	33,196
1528	Rec exp proof	EA	6.00	5,447.50	32,685
1529	Rec and cord drop	EA	246.00	1,785.30	439,172
1530	Power floor box	EA	75.00	699.60	52,472
1531	Rec power	EA	728.00	120.60	87,815
1532	Rec GFI	EA	533.00	313.60	167,162
1551	Rec power Special rec 30 amps	EA	43.00	627.30	26,972
1556	Rec quad	EA	210.00	275.00	57,755
1557	Misc. mechanical equipment and equipment connection	EA	80.00	4,810.50	384,842
2373	EV Chargers in auto shop	EA	4.00	12,014.30	48,057
1731	Power conduit & wire	EA	1,216.00	168.90	205,352
1781	Kitchen & Culinary equipment rough-in & connections	EA	149.00	410.10	61,109
1783	Shop equipment connections & dust collector	EA	1.00	12,063.00	12,063
1784	Vehicle Co2 system connection (power)	EA	1.00	1,568.00	1,568
	D5030 - General Purpose Electrical Power			6.00/SF	2,283,145
D5040	Lighting				
2503	School stage rigging (refer to Equipment section)	EA	1.00		Incl.
764	School stage lighting	EA	1.00	96,500.00	96,500
2504	School stage lighting & control	EA	1.00	31,363.00	31,363
1014	Lighting type DPA - 32" decorative pendant	EA	10.00	675.50	6,755

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2320	Lighting type DPB - 4' long x 6" dia. pendant	EA	12.00	752.70	9,032
2321	Lighting type DPB-2 - 4' long x 6" dia. pendant	EA	30.00	1,206.30	36,188
1016	Lighting type GPB - 15.1" dia. pendant	EA	126.00	791.30	99,704
1019	Lighting type GPE - 26' dia. direct/indirect ring pendant	EA	1.00	579.00	579
2322	Lighting type GPK - 60" dia. direct/indirect ring pendant	EA	20.00	723.80	14,475
2323	Lighting type GPL-1 - 8' long linear pendant	EA	20.00	791.30	15,826
2324	Lighting type GPL-2 - 4' long linear pendant	EA	17.00	603.10	10,253
1023	Lighting type GSA - 24" dia. surface pendant	EA	56.00	723.80	40,530
1024	Lighting type GSB - 11" dia. surface downlight	EA	19.00	445.80	8,471
1025	Lighting type GSC - surface linear	LF	100.00	445.80	44,583
2326	Lighting type GSD - 2" dia. surface round cylinder downlight	EA	22.00	397.60	8,747
2325	Lighting type GSE - 2"x8" wall indirect	LF	161.00	188.20	30,296
1027	Lighting type GWB - 8"x9" surface wall sconce exterior	EA	11.00	540.40	5,944
1028	Lighting type GWC - 8"x12" adjustable direct/indirect wall cylinder exterior	EA	14.00	694.80	9,727
2327	Lighting type GWD - 2' long indirect/direct wall sconce	EA	32.00	434.30	13,896
2328	Lighting type GWE-1 - 25" long wall linear	EA	40.00	608.00	24,318
2329	Lighting type GWE-2 - 25" long wall linear	EA	32.00	636.90	20,381
2330	Lighting type GWF - 6" dia. adjustable wall cylinder	EA	24.00	405.30	9,727
1029	Lighting type LPA-1 - pendant linear	LF	3,527.00	304.00	1,072,119
2331	Lighting type LPA-2 - pendant linear	LF	26.00	120.60	3,136
1030	Lighting type LPB - pendant linear	LF	161.00	593.50	95,549
1031	Lighting type LPC - pendant linear	LF	1,408.00	135.10	190,221
2332	Lighting type LPD - pendant linear	LF	285.00	168.90	48,129
1032	Lighting type LPE - pendant linear	LF	81.00	149.60	12,116
2333	Lighting type LPG - pendant linear	LF	73.00	97.50	7,115
2336	Lighting type LPH - 8' long pendant linear	EA	133.00	579.00	77,007
2337	Lighting type LPJ - pendant linear	LF	549.00	135.10	74,170
2335	Lighting type LPK - pendant linear	LF	289.00	135.10	39,044

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2334	Lighting type LPL - pendant linear	LF	295.00	135.10	39,855
2338	Lighting type LPM-1 - pendant linear	LF	79.00	63.70	5,032
2339	Lighting type LPM-2 - pendant linear	LF	149.00	72.40	10,784
1035	Lighting type LSA - undercabinet	LF	858.00	53.10	45,538
1036	Lighting type LSB - linear cove	LF	217.00	82.00	17,799
2341	Lighting type LSG-1 - 4' long linear	EA	74.00	542.30	40,132
2342	Lighting type LSG-2 - 8' long linear	EA	54.00	685.10	36,998
2340	Lighting type LSH - strip light	LF	541.00	542.30	293,401
1044	Lighting type LSJ - wall linear	LF	29.00	202.70	5,877
2343	Lighting type PB - 16.24" dia. pendant	EA	36.00	636.90	22,928
2345	Lighting type PD - 4" dia. pendant cylinder	EA	76.00	661.00	50,238
2344	Lighting type PD-1 - 4" dia. pendant cylinder	EA	21.00	661.00	13,882
2347	Lighting type PF - 4" dia. pendant cylinder	EA	60.00	559.70	33,582
2346	Lighting type PF-1 - 4" dia. pendant cylinder	EA	24.00	569.30	13,664
1052	Lighting type RA-1 - 2 X 2 recessed troffer	EA	185.00	395.60	73,195
2349	Lighting type RA-2 - 2 X 2 recessed troffer	EA	6.00	405.30	2,432
2348	Lighting type RA-3 - 2 X 2 recessed troffer	EA	19.00	405.30	7,701
1053	Lighting type RB-1 - 2 X 2 recessed troffer	EA	207.00	405.30	83,897
2350	Lighting type RB-2 - 2 X 4 recessed troffer	EA	6.00	453.50	2,721
1054	Lighting type RC-1 - 2.5x2.5 recessed downlight	EA	288.00	386.00	111,168
2351	Lighting type RC-2 - 2.5x2.5 recessed downlight	EA	16.00	386.00	6,176
1055	Lighting type RDA - 24"x48" recessed food downlight	EA	31.00	395.60	12,265
2352	Lighting type RDB - 24"x24" recessed food downlight	EA	13.00	395.60	5,143
1056	Lighting type RE - 4" dia. recessed downlight	EA	31.00	378.30	11,727
1057	Lighting type RF - 2.5" dia. recessed wall wash	EA	73.00	376.40	27,474
1061	Lighting type RJ - 6"x6" recessed downlight	EA	36.00	410.10	14,765
2353	Lighting type RK - 2.5"x2.5" recessed downlight	EA	8.00	492.10	3,937
2356	Lighting type RL-1 - 2x4 recessed troffer	EA	191.00	395.60	75,569
2358	Lighting type RL-2 - 2x4 recessed troffer	EA	62.00	400.50	24,829
2357	Lighting type RM - 4" dia. recessed downlight	EA	6.00	453.50	2,721
2359	Lighting type RN-1 - 4" dia. recessed downlight	EA	15.00	395.70	5,935

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2355	Lighting type RN-2 - 4" dia. recessed downlight	EA	42.00	405.30	17,023
2354	Lighting type RP - 4" dia. recessed wall wash	EA	11.00	443.90	4,883
2360	Lighting type RQ - 4" dia. recessed downlight	EA	25.00	405.30	10,133
1063	Lighting type RLA-1 - recessed linear wall wash	LF	665.00	202.60	134,762
2361	Lighting type RLA-2 - recessed linear wall wash	LF	41.00	231.60	9,496
1064	Lighting type RLB-1 - indirect wall wash	LF	259.00	144.70	37,490
2364	Lighting type RLB-2 - indirect wall wash	LF	653.00	159.20	103,974
2363	Lighting type RLB-3 - indirect wall wash	LF	135.00	164.10	22,147
2362	Lighting type RLB-4 - indirect wall wash	LF	76.00	159.20	12,101
2369	Lighting type RLC - indirect reflector	LF	1,841.00	193.00	355,313
1066	Lighting type RLD-1 - recessed linear	LF	59.00	139.90	8,256
2366	Lighting type RLD-2 - recessed linear	LF	76.00	139.90	10,634
2367	Lighting type RLD-3 - recessed linear	LF	272.00	139.90	38,060
1067	Lighting type RLE - 4' long recessed linear	EA	32.00	403.40	12,908
1068	Lighting type RLF - 48" long in ground linear	EA	10.00	733.40	7,334
2368	Lighting type RLG-1 - indirect wall wash	LF	10.00	820.30	8,203
1070	Lighting type RLH - 3' long semi recessed wall wash	EA	8.00	820.30	6,562
1071	Lighting type SA - 8" dia in-grade uplight wall wash	EA	34.00	810.60	27,560
1072	Lighting type SWA - wall sconce exterior	EA	16.00	820.30	13,124
1073	Lighting type T1 - pendant rack	LF	65.00	35.70	2,321
1074	Lighting type TA - 3.5" dia. rack spot	EA	25.00	434.20	10,856
1033	Lighting type LPF circle pendant linear (none indicated)	EA	5.00		Excl.
1038	Lighting type LSD surface w/p (none indicated)	EA	164.00		Excl.
1015	Lighting type GPA 48" pendant (none indicated)	EA	2.00		Excl.
1020	Lighting type GPF 118" circle pendant (none indicated)	EA	4.00		Excl.
1021	Lighting type GPH 6" pendant (none indicated)	EA	16.00		Excl.
1022	Lighting type GPJ 30" stem pendant (none indicated)	EA	5.00		Excl.
1026	Lighting type GWA wall cove light (none indicated)	EA	8.00		Excl.
1039	Lighting type LSE linear al channel	EA	25.00	542.30	13,558
1040	Lighting type LSF linear (none indicated)	EA	4.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1043	Lighting type LSI led strip (none indicated)	EA	2.00		Excl.
1045	Lighting type LSK linear strip (none indicated)	EA	4.00		Excl.
1046	Lighting type LSL direct linear (none indicated)	EA	8.00		Excl.
1047	Lighting type PA 8" pendant (none indicated)	EA	12.00		Excl.
1049	Lighting type PC 7" pendant (none indicated)	EA	43.00		Excl.
1050	Lighting type PD 7" pendant (none indicated)	EA	8.00		Excl.
1051	Lighting type PE 30" pendant (none indicated)	EA	5.00		Excl.
1058	Lighting type RG 2 X 4 recessed (none indicated)	EA	14.00		Excl.
1059	Lighting type RH 2 X 4 recessed troffer (none indicated)	EA	49.00		Excl.
1060	Lighting type RI downlight (none indicated)	EA	112.00		Excl.
1062	Lighting type RSA step light (none indicated)	EA	6.00		Excl.
1526	Lighting Exits	EA	151.00	308.80	46,629
1527	Lighting type F1 - 4' long linear	EA	44.00	111.00	4,883
1732	Lighting conduit & wire	EA	1,746.00	178.50	311,705
1743	Lighting control	SF	409,877.00	1.30	514,191
1786	Theater lighting control interface	EA	1.00	5,308.00	5,308
1787	Stage lighting control interface	EA	1.00	4,343.00	4,343
1788	Lighting control classroom 2 zone control	EA	106.00	1,683.90	178,496
D5040 - Lighting				13.64/SF	5,189,519
D5080	Miscellaneous Electrical Systems				
647	Lightning protection	SF	409,877.00	0.60	237,319
763	P.V System 249 kw (rough in conduit for future)	EA	1.00	73,147.00	73,147
767	Seismic restraints electrical	SF	409,877.00	0.40	158,213
777	Owner independent testing agency	EA	1.00		Excl.
1738	Electrical permits	SF	409,877.00		Excl.
1739	Electrical testing, documentation & commissioning	SF	409,877.00	1.80	755,991
1740	Electrical firestopping	SF	409,877.00	0.30	118,659
1785	Electrical access panel	EA	1.00	9,245.00	9,245
2565	Temp power	SF	409,877.00	0.70	276,872

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2823	BIM	LS	1.00	96,500.00	96,500
	D5080 - Miscellaneous Electrical Systems			4.54/SF	1,725,946
	26 - ELECTRICAL			40.73/SF	15,500,916
27	COMMUNICATIONS				
D6010	Data Communications				
1676	WAP wireless access point	EA	180.00	820.30	147,645
1736	Data backbone cabling	EA	1.00	82,411.00	82,411
	D6010 - Data Communications			0.60/SF	230,056
D6020	Voice Communications				
640	TV & Video (rough in & equipment) - move to FF&E	SF	409,877.00		Excl.
	D6020 - Voice Communications				Excl.
D6030	Audio-Video Communication				
643	Inst. AV System (rough in & equipment) - move to FF&E	SF	409,877.00		Excl.
1691	Speech reinforcement system SFR rough in	EA	93.00	554.90	51,603
1695	Video presentation screen outlet (flat screen) rough in	EA	94.00	1,447.50	136,065
1741	Sound conduit & wire	EA	696.00	603.10	419,775
2532	Tel/Data A/V cabling system rough in	SF	409,877.00	1.90	771,999
2533	IPTV and Video on demand system	EA	1.00		Excl.
2534	Large venue A/V system	EA	1.00	482,983.00	482,983
2535	Classroom speech reinforcement system	EA	1.00	214,423.00	214,423
2536	Inst. A/V system	EA	1.00		Excl.
2537	P.A. system	EA	1.00	291,430.00	291,430
	D6030 - Audio-Video Communication			6.22/SF	2,368,278
D6060	Distributed Communications and Monitoring				
1737	Clocks backbone wiring	EA	1.00	7,575.00	7,575
1742	Clocks conduit & wire	EA	199.00	313.60	62,411
2538	Clock system	EA	1.00	129,310.00	129,310
2828	Supervision and documentation	SF	409,877.00	0.60	237,319
	D6060 - Distributed Communications and Monitoring			1.15/SF	436,615

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D7030	Electronic Surveillance				
760	Vape detection system rough in	EA	1.00	35,666.00	35,666
	D7030 - Electronic Surveillance			0.09/SF	35,666
	27 - COMMUNICATIONS			8.07/SF	3,070,615
28	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
1733	Security conduit & wire	EA	273.00	265.40	72,447
	D7010 - Access Controls and Intrusion Detection			0.19/SF	72,447
D7030	Electronic Surveillance				
1685	CCTV cameras rough in	EA	160.00	1,626.00	260,164
1778	Security conduit & wire	EA	160.00	723.80	115,800
1779	Security backbone cabling	EA	1.00	7,961.00	7,961
2539	Security system & CCTV	EA	1.00	771,999.00	771,999
	D7030 - Electronic Surveillance			3.04/SF	1,155,924
D7050	Detection and Alarm				
1628	Fire Alarm-Head end, mapping, programming and integration	LS	1.00	268,270.00	268,270
1629	Fire alarm control panel	EA	1.00	11,773.00	11,773
1630	Fire alarm annunciator	EA	17.00	9,505.20	161,589
1631	Fire alarm pull station	EA	40.00	627.30	25,090
1632	Fire alarm smoke detector	EA	228.00	313.60	71,507
1636	Fire alarm audio/visual alarm	EA	487.00	395.70	192,682
1637	Fire alarm audio only alarm	EA	45.00	371.50	16,719
1640	Fire alarm flow and tamper switch	EA	126.00	540.40	68,090
1643	Fire alarm testing & commissioning	EA	972.00	241.30	234,495
1734	Fire alarm conduit & wire	EA	943.00	265.40	250,249
1780	Fire alarm communication system interface	EA	1.00	4,420.00	4,420
1782	Kitchen fire suppression connection (sbo)	EA	1.00	8,203.00	8,203
2827	Low voltage systems supervision and documentation	SF	409,877.00	0.60	237,319
	D7050 - Detection and Alarm			4.07/SF	1,550,406

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D7090	Electronic Safety and Security Supplementary Components				
761	Visitor management system rough in	EA	1.00	4,825.00	4,825
810	Gun/gunshot detection system	EA	1.00	24,125.00	24,125
	D7090 - Electronic Safety and Security Supplementary Components			0.08/SF	28,950
	28 - ELECTRONIC SAFETY AND SECURITY			7.38/SF	2,807,727
31	EARTHWORK				
A4010	Standard Slabs-on-Grade				
508	Excavation for slab on grade	CY	7,584.42		Incl.
2777	BP 31A - Recommended amount	LS	1.00	200,277.00	200,277
509	Remove and dispose of excavated material	CY	7,584.42		Incl.
510	Prepare and compact sub-base	SF	129,285.73		Incl.
513	Re-use materials ILO Imported sand gravel fill - 12" thick	CY	4,788.78		Incl.
	A4010 - Standard Slabs-on-Grade			0.53/SF	200,277
A6010	Building Subdrainage				
2779	BP 31A - Recommended amount	LS	1.00	735,750.00	735,750
619	Perimeter drain	LF	2,463.00		Incl.
686	Under-slab drainage system	SF	129,285.73		Incl.
1835	Allowance for Electrical and Plumbing earth work within footprint	LS	1.00		Incl.
	A6010 - Building Subdrainage			1.93/SF	735,750
A6020	Off-Gassing Mitigation				
702	Allowance for radon mitigation - 20 drops x 60'	LS	1.00		Incl.
	A6020 - Off-Gassing Mitigation				Incl.
A9010	Substructure Excavation				
2804	BP 31A - Recommended amount	LS	1.00	1,285,770.00	1,285,770
591	Excavation for foundation footings including spoils removal	CY	12,549.31		Incl.
593	Prepare and compact foundation sub-base	SF	35,031.74		Incl.
594	Imported sand gravel fill below foundations - 12" thick	CY	1,451.45		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A1 New School Building (continued)

GFAR: 380,570.00 SF Cost/SF: 422.20
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
595	Basement mass excavation	CY	32,666.00		Incl.
654	Excavation for elevator pit including spoils removal	CY	72.00		Incl.
620	Imported foundation backfill	CY	7,247.56		Incl.
691	Imported backfill to basement excavation	CY	6,534.00		Incl.
	A9010 - Substructure Excavation			3.38/SF	1,285,770
	31 - EARTHWORK			5.84/SF	2,221,797
33	UTILITIES				
G3010	Water Utilities				
1381	6", Ductile iron pipe	LF	95.99		Incl.
1448	Cleaning, testing, trace wiring etc.	LF	95.82		Incl.
569	Excavation and backfill (with site preparation)	LF	95.82		Incl.
	G3010 - Water Utilities				Incl.
G3090	Liquid and Gas Site Utilities Supplementary Components				
1798	General requirements: supervision, shop drawings, as-built drawings, equipment rentals, fees, permits, etc.	Item			Incl.
	G3090 - Liquid and Gas Site Utilities Supplementary Components				Incl.
	33 - UTILITIES				Incl.
NEW SCHOOL BUILDING				422.20/SF	160,676,975

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

BD BASE DESIGN

A Building

A3 Maintenance Building

Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
03	Concrete		441,332
07	Thermal and Moisture Protection		49,782
31	Earthwork		10,000
MAINTENANCE BUILDING			501,114

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

BD BASE DESIGN

A Building

A3 Maintenance Building

Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS			
	Design & Estimating Contingency		7,517
	Escalation Allowance up to mid-point of Construction (3/2025)		15,259
	Sub-contractor Bonds		6,287
	Insurance - CCIP (Change from GL)		17,003
	Cost of Traditional Insurance (Trade + GL) - Savings		Incl.
	Builder's Risk Insurance (per CM Pricing Exhibit 1)		909
	Payment & Performance Bond (per CM Pricing Exhibit 1)		4,603
	General Conditions (per CM Pricing Exhibit 1)		24,097
	Field Office Support		4,214
	General Requirements (per CM Pricing Exhibit 1)		12,522
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1		2,114
	CM Construction Contingency (per CM Pricing Exhibit 1)		13,392
	CM Fee (per CM Pricing Exhibit 1)		10,460
ESTIMATED TOTAL COST			619,491

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A3 Maintenance Building

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
A1010	Standard Foundations				
529	Concrete to perimeter strip footings - 1' thick, 4500 PSI	CY	33.20	313.60	10,412
1000	Concrete to interior strip footings, 4500 PSI	CY	32.82	313.70	10,294
530	Form strip footings	SF	1,774.88	19.30	34,256
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	6,573.19	1.70	11,418
	A1010 - Standard Foundations				66,380
A2010	Walls for Subgrade Enclosures				
598	Concrete to perimeter frost walls, 4500 PSI	CY	90.99	313.60	28,537
1122	Concrete to interior foundation walls, 4500 PSI	CY	57.41	313.60	18,005
605	Form perimeter frost walls	SF	4,908.15	24.10	118,408
1123	Form interior foundation walls	SF	3,088.43	24.10	74,508
608	Bar reinforcement to perimeter frost walls	Lb	8,957.21	1.70	15,559
1124	Bar reinforcement to interior foundation walls	Lb	9,034.05	1.70	15,692
618	Rigid insulation - 2" thick	SF	2,454.04	4.30	10,657
	A2010 - Walls for Subgrade Enclosures				281,366
A4010	Standard Slabs-on-Grade				
933	Concrete to slab on grade - 5" thick, 4500 PSI	CY	154.30	313.60	48,392
502	Form slab on grade	SF	184.26	17.40	3,201
2585	Fiber reinforcement to slab on grade	CY	153.79	57.90	8,904
698	Allowance for bar reinforcement	Lb	4,981.27	1.70	8,652
504	Float finish to slab on grade	SF	9,962.47	1.40	14,421
505	Control joints	SF	9,962.47	0.80	7,691
710	Engineering, layout, safety, cleaning, etc.	Item			2,325
	A4010 - Standard Slabs-on-Grade				93,586
	03 - CONCRETE				441,332
07	THERMAL AND MOISTURE PROTECTION				
A2010	Walls for Subgrade Enclosures				
617	Dampproofing to frost wall	SF	2,454.16	5.80	14,210
	A2010 - Walls for Subgrade Enclosures				14,210

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD BASE DESIGN

A Building

A3 Maintenance Building (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
A4010	Standard Slabs-on-Grade				
506	Air and vapor barrier	SF	9,962.47	0.90	8,652
	A4010 - Standard Slabs-on-Grade				8,652
A4090	Slab-on-Grade Supplementary Components				
656	Rigid insulation - 1" thick	SF	9,962.80	2.70	26,920
	A4090 - Slab-on-Grade Supplementary Components				26,920
	07 - THERMAL AND MOISTURE PROTECTION				49,782
31	EARTHWORK				
A1010	Standard Foundations				
2776	BP 31A - Perforated PVC foundation drainage	LS	1.00	10,000.00	10,000
	A1010 - Standard Foundations				10,000
A4010	Standard Slabs-on-Grade				
508	Excavation for slab on grade	CY	584.28		Incl.
509	Remove and dispose of excavated material	CY	584.28		Incl.
510	Prepare and compact sub-base	SF	9,962.47		Incl.
513	Re-use materials ILO Imported sand gravel fill - 12" thick	CY	369.02		Incl.
	A4010 - Standard Slabs-on-Grade				Incl.
A6010	Building Subdrainage				
2806	BP 31A - Recommended amount	LS	1.00		Incl.
619	Perimeter drain	LF	454.20		Incl.
686	Under-slab drainage system	SF	9,962.47		Incl.
	A6010 - Building Subdrainage				Incl.
A9010	Substructure Excavation				
591	Excavation for foundation footings including spoils removal	CY	625.79		Incl.
593	Prepare and compact foundation sub-base	SF	1,774.76		Incl.
594	Imported sand gravel fill below foundations - 12" thick	CY	65.75		Incl.
620	Imported foundation backfill	CY	346.24		Incl.
	A9010 - Substructure Excavation				Incl.
	31 - EARTHWORK				10,000
MAINTENANCE BUILDING					501,114

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

BD Base Design

B Sitework

Rates Current At May 2023

Ref	Description	Total Cost USD
01	General Requirements	1,803,000
02	Existing Conditions	320,181
03	Concrete	762,909
05	Metals	918,657
11	Equipment	673,545
12	Furnishings	195,798
14	Conveying Equipment	Excl.
22	Plumbing	Excl.
26	Electrical	2,952,361
27	Communications	323,931
28	Electronic Safety and Security	1,911
31	Earthwork	14,547,149
32	Exterior Improvements	7,950,595
33	Utilities	4,699,674
SITEWORK		35,149,711

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

BD Base Design

B Sitework

Rates Current At May 2023

Ref	Description	Total Cost USD
MARGINS & ADJUSTMENTS		
	Design & Estimating Contingency	527,246
	Escalation Allowance up to mid-point of Construction (3/2025)	1,070,308
	Sub-contractor Bonds	440,966
	Insurance - CCIP (Change from GL)	1,192,673
	Cost of Traditional Insurance (Trade + GL) - Savings	Incl.
	Builder's Risk Insurance (per CM Pricing Exhibit 1)	63,729
	Payment & Performance Bond (per CM Pricing Exhibit 1)	322,897
	General Conditions (per CM Pricing Exhibit 1)	1,690,208
	Field Office Support	295,607
	General Requirements (per CM Pricing Exhibit 1)	878,323
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1	148,301
	CM Construction Contingency (per CM Pricing Exhibit 1)	939,371
	CM Fee (per CM Pricing Exhibit 1)	733,680
ESTIMATED TOTAL COST		43,453,020

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
01	GENERAL REQUIREMENTS				
Z1050	Temporary Facilities & Controls				
2803	BP 31A - Recommended amount	LS	1.00	1,803,000.00	1,803,000
672	Dust control	LS	1.00		Incl.
678	Site fencing including maintenance	LF	7,000.00		Incl.
679	Mobilization	LS	1.00		Incl.
680	Submittals, as-builts, layout, survey, etc.	LS	1.00		Incl.
813	Temporary access road and repairs	LS	1.00		Incl.
814	Temporary walkways	LS	1.00		Incl.
670	Allowance for dewatering	LS	1.00		Incl.
	Z1050 - Temporary Facilities & Controls				1,803,000
	01 - GENERAL REQUIREMENTS				1,803,000
02	EXISTING CONDITIONS				
G1020	Site Elements Demolition				
2768	BP 31A - Recommended amount	LS	1.00	320,181.00	320,181
523	Remove and dispose of existing catch basins	EA	33.00		Incl.
524	Remove and dispose of existing manholes	EA	23.00		Incl.
1841	Remove and dispose of existing hydrant	EA	3.00		Incl.
525	Remove and dispose existing utilities piping including excavation and backfill	LF	7,868.00		Incl.
526	Protect and maintain existing hydrant	EA	1.00		Incl.
1839	Maintain and protect manhole/catch basin/drain line/water line	EA	19.00		Incl.
527	Cap water main	EA	3.00		Incl.
1842	Allowances for plugging pipes	EA	4.00		Incl.
533	Break-out and remove existing pavements	SF	261,335.00		Incl.
534	Break-out and remove existing basketball courts	SF	12,883.00		Incl.
536	Remove and dispose existing light poles and associated wiring	EA	16.00		Incl.
541	Remove and dispose existing light sconces and associated wiring	EA	25.00		Incl.
544	Remove and dispose of existing fencing	LF	1,920.00		Incl.
545	Remove and dispose of existing metal guardrail	LF	741.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
555	Remove and dispose of buried fuel tanks	EA	2.00		Incl.
556	Remove and dispose of above grade gas tanks	EA	4.00		Incl.
557	Remove and dispose of sliding gate	EA	6.00		Incl.
559	Remove and dispose of jersey barrier	LF	40.00		Incl.
560	Remove and dispose of trailers	EA	4.00		Incl.
1439	Remove and dispose backstop	LF	196.00		Incl.
561	Allowance for miscellaneous site demolition not indicated on plans	SF	1,517,556.00		Incl.
762	Existing building electrical demolition (phased)	EA	1.00		Incl.
1442	Remove and dispose benches	EA	2.00		Incl.
1443	Demolish concrete retaining walls	LF	66.00		Incl.
1444	Remove and dispose of recreational equipment	LS	1.00		Incl.
G1020 - Site Elements Demolition					320,181
02 - EXISTING CONDITIONS					320,181
03	CONCRETE				
G2020	Parking Lots				
290	Vehicular concrete paving, 6" thick	SY	888.00	111.00	98,546
G2020 - Parking Lots					98,546
G2030	Pedestrian Plazas and Walkways				
718	Vehicular concrete walkway	SY	456.00	111.00	50,605
264	Accessible curb ramp	SF	1,423.00		Incl.
362	Concrete walkway paving	SF	23,864.10	12.50	299,375
G2030 - Pedestrian Plazas and Walkways					349,980
G2050	Athletic, Recreational, and Playfield Areas				
1706	Cast-in-place grandstand footings, 2' dia x 5' deep	EA	24.00	820.30	19,686
2484	Cast-in-place slab on grade for grandstand, 4" deep	SF	3,072.10	6.80	20,752
2485	Cast-in-place slab on grade for grandstand, 5" deep	SF	496.50	10.60	5,270
2486	Cast-in-place grade beam for grandstand, 1'-0" wide x 3'-6" deep	LF	135.00	202.70	27,358
G2050 - Athletic, Recreational, and Playfield Areas					73,066
G2060	Site Development				
380	Equipment concrete pad	SF	579.00	28.90	16,762

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
373	CIP Retaining wall/ bench shelf	CY	74.00	1,737.00	128,538
728	CIP strip footing for retaining walls/bench shelf	CY	89.00	965.00	85,885
2418	Flush cast-in-place concrete wall	LF	42.00	241.20	10,132
	G2060 - Site Development				241,317
	03 - CONCRETE				762,909
05	METALS				
G2050	Athletic, Recreational, and Playfield Areas				
2487	Galvanized structural steel supporting framing	T	24.7200		Incl.
	G2050 - Athletic, Recreational, and Playfield Areas				Incl.
G2060	Site Development				
369	Exterior steel bollard	EA	56.00	723.80	40,530
2419	Metal roof screen panel and gate, 8'-0" high	LF	97.00	144.80	14,041
372	4'-0" High ornamental fence	LF	16.00	337.80	5,404
402	Handrail to stairs / ramps	LF	100.00	144.80	14,475
2753	Boardwalk guardrail comprising of welded wiremesh and steel post and framing	LF	2,499.50	337.80	844,207
	G2060 - Site Development				918,657
	05 - METALS				918,657
11	EQUIPMENT				
G2050	Athletic, Recreational, and Playfield Areas				
697	Shotput cage - allow 20' high	LF	69.00	168.90	11,652
417	Football goal post and footing	EA	2.00	19,300.00	38,600
416	20'-0" high sports netting	LF	397.80	482.50	191,938
696	Pole vault box	EA	1.00	1,930.00	1,930
699	Aluminum bleacher system including and ramp - Football field, 500 person	LS	1.00	332,925.00	332,925
770	Exterior scoreboard football	EA	1.00	96,500.00	96,500
	G2050 - Athletic, Recreational, and Playfield Areas				673,545
	11 - EQUIPMENT				673,545

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
12	FURNISHINGS				
G2060	Site Development				
2762	Curved Gabion seat with wall mount wood topper, 18" x 18" W	LF	36.00	1,061.50	38,214
271	Curved Gabion seat with wall mount wood topper, 18" x 24" W	LF	48.00	1,061.50	50,952
2763	Straight recycled plastic bench, 2' x 5'	EA	3.00	2,123.00	6,369
2764	Cafe wood stools, 18"H x 15" square	EA	28.00	772.00	21,616
1583	Cafe wood back chair	EA	24.00		Excl.
1586	Cafe table, 36" square	EA	13.00	2,702.00	35,126
2765	Cafe metal chairs	EA	24.00	675.50	16,212
2766	Cafe counter height table	EA	3.00	2,702.00	8,106
1588	Playground picnic table/bench	EA	1.00	4,439.00	4,439
1589	Trash receptacle, 50 liter capacity	EA	6.00	1,737.00	10,422
1590	"Flo" bike racks	EA	3.00	1,447.30	4,342
G2060 - Site Development					195,798
12 - FURNISHINGS					195,798
14	CONVEYING EQUIPMENT				
D1010	Vertical Conveying Systems				
752	Passenger elevator, 2 stops	EA	1.00		Excl.
D1010 - Vertical Conveying Systems					Excl.
14 - CONVEYING EQUIPMENT					Excl.
22	PLUMBING				
D2030	Building Support Plumbing Systems				
1760	Allowances for sump pump for press booth	No	1.00		Excl.
D2030 - Building Support Plumbing Systems					Excl.
22 - PLUMBING					Excl.
26	ELECTRICAL				
G4010	Site Electric Distribution Systems				
811	Secondary 4000 amp feeder to school electrical room	LF	267.00	1,930.00	515,311
187	Secondary generator feeder (4-400 amp feeds)	LF	83.00	723.70	60,071

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2812	Ductbank B (2-4" conduits) pull string only primary cabling by Others	LF	1,451.00	40.50	58,809
184	Ductbank C (8-4" conduits) pull string only primary cabling by Others	LF	1,211.00	159.20	192,821
2813	Ductbank D/F/H (4-4" conduits) pull string only primary cabling by Others	LF	2,240.00	82.00	183,736
2814	Ductbank K (2-4" conduits) pull string only primary cabling by Others	LF	134.00	40.50	5,431
185	Ductbank N (6-4" conduits) pull string only primary cabling by Others	LF	321.00	120.60	38,721
2815	Ductbank O (3-4" conduits) pull string only primary cabling by Others	LF	206.00	59.80	12,325
2816	Ductbank M (6-2" conduits) pull string only primary cabling by Others	LF	736.00	57.90	42,614
2817	Ductbank (2-4" conduits) pull string only primary cabling by Others	LF	50.00	40.50	2,026
2818	Ductbank (1-2" conduits) pull string only primary cabling by Others	LF	11.00	9.60	106
2819	Ductbank (2-2" conduits) pull string only primary cabling by Others	LF	291.00	19.30	5,616
2820	Ductbank (3-2" conduits) pull string only primary cabling by Others	LF	21.00	29.00	608
186	Fire Pump feeder 200 amps (2-4" conduits)	LF	376.00	54.00	20,319
2822	Ductbank A (4-2" conduits) pull string only primary cabling by Others	LF	7,944.00	38.60	306,638
188	Secondary feeder to maintenance building (400 amp service)	LF	619.00		Excl.
201	Field electrical service 75 kva transformer service EV Charging Stations	EA	2.00	40,568.50	81,137
204	Field service to concessions 250 amps	LF	329.00	62.70	20,637
205	Field service to athletic building 1200 amps	LF	106.00	121.10	12,837
208	Primary to padmount transformer for field buildings	LF	220.00	84.90	18,682
706	Secondary service manholes	EA	12.00	7,237.50	86,850
766	Utility pole modifications (not included)	EA	1.00		Excl.
1837	Electrical (E & B) in another division of the estimate	Note			Excl.
2566	Traffic Signals	EA	1.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2821	Ductbank (2-1" conduits) pull string only primary cabling by Others	LF	22.00	19.30	425
G4010 - Site Electric Distribution Systems					1,665,720
G4050	Site Lighting				
214	Sports field lighting conduit & wire (pole lights)	EA	1.00	73,822.00	73,822
215	Sports field lighting control	EA	1.00	16,856.00	16,856
2810	Hand holes	EA	135.00	1,447.50	195,412
772	Site bench lighting	EA	1.00	8,251.00	8,251
774	Electronic gate entrance S & Install incl elect conn	EA	1.00	25,572.00	25,572
934	Type LST 11 flagpole (cluster)	EA	3.00	550.00	1,650
936	Double head 25 ft pole	EA	6.00	5,587.30	33,524
2811	Double head 24 ft pole	EA	64.00	5,307.50	339,680
937	Single head 16 ft pole	EA	23.00	4,825.00	110,975
938	Single head 14 ft pole	EA	20.00	4,511.40	90,227
940	Digital message board	EA	1.00	1,959.00	1,959
941	Monument sign lighting	EA	1.00	2,162.00	2,162
943	Musco Football lighting	EA	4.00	93,122.80	372,491
1789	Electric vehicle dual charging system	EA	1.00		Excl.
1790	Electric vehicle dual charging system distribution panels	EA	2.00	7,030.00	14,060
G4050 - Site Lighting					1,286,641
26 - ELECTRICAL					2,952,361
27	COMMUNICATIONS				
G5010	Site Communications				
189	Secondary communications feeder 8-4" conduits	LF	1,211.00	193.00	233,723
192	Communications to maintenance building (4-4" conduits)	LF	640.00		Excl.
209	Secondary communications feeder 4-4" conduits for Athletic fields	LF	779.00	115.80	90,208
G5010 - Site Communications					323,931
27 - COMMUNICATIONS					323,931

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
28	ELECTRONIC SAFETY AND SECURITY				
G5010	Site Communications				
1671	Outdoor CCTV Bullet cameras incl fiber cabling pole mtd	EA	2.00	955.50	1,911
	G5010 - Site Communications				1,911
	28 - ELECTRONIC SAFETY AND SECURITY				1,911
31	EARTHWORK				
G1010	Site Clearing				
2767	BP 31A - Recommended amount - clearing and grubbing (Phase 1 allowance)	LS	1.00	117,600.00	117,600
2847	BP 31A - Recommended amount - clearing and grubbing (Phase 2 allowance)	LS	1.00	78,400.00	78,400
676	Clearing and grubbing	Acre	34.900		Incl.
677	Tree removal	EA	100.00		Incl.
2848	BP 31A - Recommended amount - strip site including disposal (Phase 1)	LS	1.00	420,000.00	420,000
2849	BP 31A - Recommended amount - strip site including disposal (Phase 2)	LS	1.00	314,412.00	314,412
	G1010 - Site Clearing				930,412
G1070	Site Earthwork				
2784	BP 31A - Recommended amount - rock excavation	LS	1.00	7,916,599.00	7,916,599
2785	BP 31A - Recommended amount - fill and borrow (Phase 1)	LS	1.00	393,776.00	393,776
2850	BP 31A - Recommended amount - fill and borrow (Phase 2)	LS	1.00	212,312.00	212,312
2786	BP 31A - Recommended amount - erosion & sediment control (Phase 2)	LS	1.00	138,000.00	138,000
2851	BP 31A - Recommended amount - erosion & sediment control (Phase 3)	LS	1.00	100,918.00	100,918
2787	BP 31A - Recommended amount - excavation and backfill	LS	1.00	2,100,187.00	2,100,187
2852	BP 31A - Recommended amount - excavation and backfill (site improvements)	LS	1.00	640,000.00	640,000
666	Excavate to proposed level	CY	59,189.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
667	Excavate to proposed level, rock excavation including survey, drilling, stockpile, striping, etc.	CY	162,710.00		Incl.
1813	Miscellaneous trenching, etc.	CY	14,666.00		Incl.
668	Fill to proposed level using excavated materials	CY	108,316.00		Incl.
1697	Remove excess materials from site	CY	96,724.00		Incl.
2568	Striping including spoil removal (Phase 1)	CY	10,000.00		Incl.
2569	Strip and stockpile for re-use (Phase 2)	CY	7,600.00		Incl.
669	Allowance for fine grading	SF	1,451,369.00		Incl.
673	Inlet protection	EA	143.00		Incl.
674	Construction entrance	EA	3.00		Incl.
675	Haybale and silt fencing including maintenance	LF	10,585.00		Incl.
1828	Erosion control blankets and mats	LS	1.00		Incl.
1829	Additional erosion control maintenance and removal	LS	1.00		Incl.
733	Excavate for roadway paving	CY	3,758.00		Incl.
1482	Remove spoils from site (roadway)	CY	3,758.00		Incl.
738	Excavate for parking lot paving	CY	11,646.00		Incl.
1476	Remove spoils from site (parking lot paving)	CY	11,646.00		Incl.
743	Excavate for walkways paving	CY	2,758.40		Incl.
1518	Remove spoils from site (walkways paving)	CY	2,758.40		Incl.
755	Excavate athletic fields	CY	4,890.70		Incl.
1826	Remove spoils from site (athletic fields)	CY	4,890.70		Incl.
1814	Allowance for rock scaling	LS	1.00		Incl.
2618	Raise dropped footing to within 5' depth	LS	1.00		Incl.
G1070 - Site Earthwork					11,501,792
G2010	Roadways				
2788	BP 31A - Recommended amount - rip rap slopes	LS	1.00	245,025.00	245,025
2789	BP 31A - Recommended amount - bituminous bedding	LS	1.00	236,077.00	236,077
734	Prepare and compact subbase	SF	96,239.00		Incl.
736	Granular fill, 12" thick, re-use excavated materials	CY	3,565.00		Incl.
1483	Imported compacted gravel borrow	CY	2,377.00		Excl.
1484	Imported dense grade crushed stone	CY	1,189.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
258	Riprap swale (re-use existing or blasted materials)	SF	62,683.00		Incl.
	G2010 - Roadways				481,102
G2020	Parking Lots				
740	Prepare and compact subbase	SF	244,704.00		Incl.
742	Granular fill, re-use excavated materials	CY	9,064.00		Incl.
1480	Imported compacted gravel borrow	CY	6,141.00		Excl.
1481	Imported dense grade crushed stone	CY	2,923.00		Excl.
	G2020 - Parking Lots				0
G2030	Pedestrian Plazas and Walkways				
2791	BP 31A - Recommended amount - bituminous bedding	LS	1.00	64,878.00	64,878
745	Prepare and compact subbase	SF	76,453.10		Incl.
746	Granular fill, re-use excavated materials	CY	1,939.20		Incl.
1519	Imported compacted gravel borrow	CY	1,188.20		Excl.
1520	Imported dense grade crushed stone	CY	599.00		Excl.
	G2030 - Pedestrian Plazas and Walkways				64,878
G2050	Athletic, Recreational, and Playfield Areas				
2794	BP 31A - Recommended amount - athletic fields subbase	LS	1.00	650,000.00	650,000
757	Prepare and compact subbase	SF	135,609.00		Incl.
758	Granular base to athletic fields, re-use excavated materials	CY	2,511.30		Incl.
1573	Imported compacted gravel borrow	CY	66.50		Incl.
1574	Imported dense grade crushed stone	CY	2,445.30		Incl.
	G2050 - Athletic, Recreational, and Playfield Areas				650,000
G2060	Site Development				
2796	BP 31A - Recommended amount - retaining wall stone base	LS	1.00	50,750.00	50,750
	G2060 - Site Development				50,750

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G4010	Site Electric Distribution Systems				
1836	BP 31A - Recommended amount - ductbanks excavation and concrete encasement	LS	1.00	868,215.00	868,215
	G4010 - Site Electric Distribution Systems				868,215
	31 - EARTHWORK				14,547,149
32	EXTERIOR IMPROVEMENTS				
G2010	Roadways				
2793	BP 31A - Recommended amount - bituminous paving	LS	1.00	959,080.00	959,080
2790	BP 31A - Recommended amount - curbs	LS	1.00	642,579.00	642,579
247	Vehicular asphalt paving, 4" overall thickness	SY	10,694.00		Incl.
248	Vertical granite curb	LF	6,479.00		Incl.
828	Cape cod berm	LF	851.00		Incl.
737	Pavement markings	SF	96,239.00		Incl.
	G2010 - Roadways				1,601,659
G2020	Parking Lots				
253	Asphalt paving, 4" overall thickness	SY	26,303.00		Incl.
255	Vertical granite curb	LF	4,359.00		Incl.
671	Cape cod berm	LF	5,174.00		Incl.
262	Accessible pavement markings	SF	5,025.00	3.20	16,003
263	Crosswalk markings	SF	1,282.00	3.20	4,083
265	EV pavement markings	EA	10.00	579.00	5,790
266	Electric vehicle charging station (refer to Site Electrical)	EA	5.00		Incl.
261	Green vehicle pavement markings	EA	22.00	820.20	18,045
257	Handicap vehicle pavement markings	EA	19.00	627.30	11,918
357	Parking line marking	LF	8,476.00	5.50	46,622
	G2020 - Parking Lots				102,461
G2030	Pedestrian Plazas and Walkways				
2792	BP 31A - Recommended amount - bituminous paving	LS	1.00	146,340.00	146,340
256	Asphalt walkway pavement	SY	5,389.00		Incl.
367	Detectable warning	SF	377.00	43.40	16,371
	G2030 - Pedestrian Plazas and Walkways				162,711

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G2050	Athletic, Recreational, and Playfield Areas				
2567	Repair existing irrigation affected by infiltration construction	SF	80,549.20	1.00	77,730
389	Natural grass to Football Court/Field	SF	78,287.50	3.90	302,190
2396	Irrigation to Football Court/Field natural grass turf	SF	78,287.50	1.40	113,321
405	Urethane resilient track surfacing (D-Zone)	SF	21,811.00	24.10	526,191
404	Urethane resilient track surfacing on asphalt (6-Lane Track)	SF	31,943.00	24.10	770,626
693	6'-0" High BVC chainlink fence	LF	413.10	91.70	37,870
397	4'-0" High BVC chainlink fence	LF	1,505.20	57.90	87,151
398	4'-0" High BVC chainlink fence single leaf gate	EA	3.00	337.70	1,013
694	4'-0" High BVC chainlink fence double leaf gate	EA	2.00	675.50	1,351
406	Trench drain	LF	1,307.00	96.50	126,125
396	Electronic scoreboard - steel posts with concrete footing	EA	1.00	7,720.00	7,720
418	Long jump runway	SF	1,908.00		Incl.
419	Long jump pit	SF	755.00	62.70	47,357
420	Shotput throwing pad and landing sector	SF	200.00		Incl.
690	Asphalt pad	SY	46.00	57.90	2,663
695	Pole vault runway	SF	633.00		Incl.
701	Outdoor fitness equipment - by Owner	EA	5.00		Excl.
	G2050 - Athletic, Recreational, and Playfield Areas				2,101,308
G2060	Site Development				
2795	BP 31A - Recommended amount - segmental retaining wall	LS	1.00	172,200.00	172,200
259	Steel guardrail along access ways	LF	4,302.00	67.50	290,600
260	Segmented retaining wall	LF	495.00		Incl.
289	Dumpster - by Owner	EA	2.00		Excl.
377	8'-0" High chain link double leaf gate	Pair	6.00	916.70	5,500
378	8'-0" High BVC chainlink fence	LF	116.00	115.80	13,433
2416	6'-0" High BVC chainlink fence	LF	35.00	91.70	3,209
2417	6'-0" High chain link double leaf gate	Pair	1.00	868.00	868
2420	4'-0" High chainlink fence at top of rock face cut	LF	760.00	72.40	55,005

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2759	8'-0" High horizontal wood slat fence	LF	177.00	144.80	25,621
381	Wood deck	SF	401.00		Excl.
399	Pre-engineered elevated boardwalk ramping system	SF	8,731.70	115.80	1,011,132
1575	Pre-engineered stairs	SF	424.40	154.40	65,527
1584	Backless straight inline bench, 23.5" x 87.5" L	EA	5.00		Excl.
1585	Backed straight inline bench, 23.5" x 87.5" L	EA	3.00		Excl.
2414	Sliding vehicular metal gate, 46' L x 3' Ht.	EA	1.00	24,125.00	24,125
2415	Swing vehicular swing gate, 22' long	EA	2.00	4,825.00	9,650
2754	Swing vehicular swing gate, 26' long	EA	1.00	5,790.00	5,790
2755	Allowance for free-standing wildlife barrier	LF	692.00	28.90	20,033
G2060 - Site Development					1,702,693
G2080	Landscaping				
789	Imported planting mix	CY	5,181.40	57.90	300,003
2542	Use stockpile material	CY	5,181.40		Excl.
2809	Additional planting materials per reconciliation	CY	18,961.00	57.90	1,097,844
407	Low mow lawn	SF	310,127.50	0.50	149,637
1646	Restoration seed mix	SF	36,418.00	0.40	14,057
791	Lawn irrigation system - not required	SF	310,127.50		Excl.
2760	Reclaim granite seat block/tailings, various weights (per section 323000)	EA	20.00	1,447.50	28,950
2761	On-site salvage landscape boulder	EA	30.00	6,272.50	188,175
2401	Seeding lawn prospect athletic fields	SF	199,762.90	1.00	192,771
1595	Trees	Note			
1596	October glory red maple, 3.0-3.5" Cal.	EA	3.00	1,158.00	3,474
1597	Red maple, 1" Cal.	EA	7.00	675.40	4,728
1598	Dawn redwood, 3" Cal.	EA	6.00	1,158.00	6,948
1599	White oak, 1.5" Cal.	EA	8.00	675.50	5,404
1600	Burr oak, 2-2.5" Cal.	EA	9.00	965.00	8,685
1601	Deciduous Trees	Note			
1602	Redpointe maple, 2.5-3" Cal.	EA	7.00	965.00	6,755
1603	Sugar maple, 2.5" Cal.	EA	3.00	965.00	2,895
1604	Clump paper birch, 7-8' Ht.	EA	7.00	772.00	5,404

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1605	Dura heat river birch, 6-7' Ht.	EA	2.00		Excl.
1606	Heritage birch, 10-12' Ht.	EA	6.00	1,158.00	6,948
1607	Whitespire birch, 12-14' Ht.	EA	6.00	1,158.00	6,948
1608	Renaissance upright paper birch, 10-12' Ht.	EA	9.00	1,158.00	10,422
1609	American beech, 2-2.5" Cal.	EA	5.00	965.00	4,825
1610	Black gum, 2.5" Cal.	EA	8.00	965.00	7,720
1611	Swamp white oak, 3" Cal.	EA	4.00	1,158.00	4,632
1612	Red oak, 2.5-3" Cal.	EA	12.00	965.00	11,580
1613	American elm, 2.5-3" Cal.	EA	17.00	965.00	16,405
1614	Evergreen Trees	Note			
1615	Eastern red cedar, 7-8' Ht.	EA	7.00	772.00	5,404
1616	Pitch pine, 6-7' Ht.	EA	7.00	772.00	5,404
1617	White pine, 8-10' Ht.	EA	15.00	772.00	11,580
1618	White pine, 5-6' Ht.	EA	6.00	482.50	2,895
1619	Ornamental Trees	Note			
1620	Downy serviceberry, 4.5-5' Ht.	EA	6.00		Excl.
1621	"Autumn Brilliance" serviceberry, 7-8' Ht.	EA	17.00	772.00	13,124
1622	Donald wyman crabapple, 2-2.5" Cal.	EA	6.00	965.00	5,790
2705	Autumn flowering cherry, 3" Cal.	EA	1.00	1,158.00	1,158
1623	Ground Covers	Note			
1624	Pennsylvania sedge, plugs	EA	2,592.00	9.70	25,013
1625	Shrubs	Note			
1626	Gro-low fragrant sumac, 1 Gal.	EA	202.00	19.30	3,899
2425	Invasive Species Management and/or Buffer Zone Planting	Note			
2426	Red maple, 3-4' Ht.	EA	17.00	434.20	7,382
2427	Yellow birch, 3-4' Ht.	EA	4.00		Excl.
2428	Winterberry, 3-4' Ht.	EA	6.00		Excl.
2429	Common spicebush, 3-4' Ht.	EA	6.00		Excl.
2430	Sweet pepperbush, 3-4' Ht.	EA	8.00		Excl.
2431	Cinnamon fern, 1#	EA	20.00		Excl.
2432	Skunk cabbage, 1#	EA	20.00		Excl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2433	Tussock sedge, 2" plug	EA	40.00		Excl.
2434	Soft rush, 2" plug	EA	20.00		Excl.
2435	Cardinal flower, 2" plug	EA	20.00		Excl.
2436	White wood aster, 2" plug	EA	20.00		Excl.
2437	Great blue lobelia, 2" plug	EA	20.00		Excl.
2439	Red oak, 3-4' Ht.	EA	12.00	434.30	5,211
2440	Pignut hickory, 3-4' Ht.	EA	4.00		Excl.
2441	Eastern white pine, 3-4' Ht.	EA	4.00		Excl.
2442	Witch hazel, 3-4' Ht.	EA	8.00	434.30	3,474
2443	Sassafras, 3-4' Ht.	EA	5.00		Excl.
2444	Nannyberry, 3-4' Ht.	EA	5.00		Excl.
2707	Speckled alder, 3-4' Ht.	EA	8.00	434.30	3,474
2708	Serviceberry, 3-4' Ht.	EA	5.00	434.20	2,171
2709	Northern arrowwood, 3-4' Ht.	EA	8.00	434.30	3,474
2710	Red-Osler dogwood, 3-4' Ht.	EA	5.00	434.20	2,171
2711	Black chokeberry, 3-4' Ht.	EA	5.00	434.20	2,171
2712	Highbush blueberry, 3-4' Ht.	EA	21.00	434.20	9,119
2713	White oak, 3-4' Ht.	EA	9.00	434.20	3,908
2714	Sugar maple, 3-4' Ht.	EA	7.00	434.30	3,040
2715	Nannyberry, 3-4' Ht.	EA	15.00	434.30	6,514
2716	Maple leaf viburnum, 3-4' Ht.	EA	11.00	434.30	4,777
2717	Common with hazel, #2	EA	44.00	434.30	19,107
2718	White pine, 2' Ht.	EA	33.00	434.20	14,330
2719	White oak, 0.75" Cal.	EA	11.00	434.30	4,777
2720	Red oak, 1" Cal.	EA	21.00	434.20	9,119
2721	Highbush blueberry, #2	EA	37.00	434.20	16,067
G2080 - Landscaping					2,279,763

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
G9010	Other Site Construction				
167	Farm street driveway intersection improvement including paving milling and overall, granite curbs, traffic signal, etc.	LS	1.00		Excl.
	G9010 - Other Site Construction				Excl.
	32 - EXTERIOR IMPROVEMENTS				7,950,595
33	UTILITIES				
G3010	Water Utilities				
2797	BP 31A - Recommended amount	LS	1.00	761,310.00	761,310
1967	Connect proposed water main to existing 1/2" water line	EA	1.00		Incl.
1375	Connect to existing water line on old Nahant road - allow 100ft	EA	1.00		Incl.
1386	Remove existing fitting and connect to main existing	EA	1.00		Incl.
1383	Connection to building	EA	2.00		Incl.
1374	8", Ductile iron pipe	LF	6,155.00		Incl.
1381	6", Ductile iron pipe	LF	403.01		Incl.
1951	6", bend	EA	3.00		Incl.
1950	8", bend	EA	52.00		Incl.
1953	Tee 8"x8"x6"	EA	12.00		Incl.
1954	Tee 8"x8"x8"	EA	5.00		Incl.
1962	Reducer 8"x4"	EA	1.00		Incl.
1376	8", Water valve	EA	42.00		Incl.
1379	6", Water valve	EA	13.00		Incl.
1385	4", Water valve	EA	1.00		Incl.
1378	6", Hydrant	EA	12.00		Incl.
1377	Trust block	EA	73.00		Incl.
1448	Cleaning, testing, trace wiring etc.	LF	6,557.68		Incl.
569	Excavation and backfill (with site preparation)	LF	6,557.68		Incl.
	G3010 - Water Utilities				761,310
G3020	Sanitary Sewerage Utilities				
2798	BP 31A - Recommended amount	LS	1.00	567,025.00	567,025
1391	Connection to building sanitary service	EA	22.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1388	SMH, Sanitary manhole	EA	30.00		Incl.
1941	6",sanitary sewer, cast iron	LF	183.80		Incl.
1387	6",sanitary sewer, PVC	LF	1,110.90		Incl.
1943	4",sanitary sewer, PVC	LF	253.50		Incl.
1392	6",sanitary sewer, PVC	LF	427.40		Incl.
1949	8",sanitary sewer, PVC	LF	2,960.00		Incl.
1393	Thrust block	EA	2.00		Incl.
1964	Replace existing sewer manhole with drop sewer manhole and connect to existing sewer line	EA	1.00		Incl.
2318	Cleaning, testing, trace wiring etc.	LF	4,934.30		Incl.
1963	Clean and line existing 1550 LF of 8" sewer main	LF	1,550.00		Excl.
577	Excavation and backfill (with site preparation)	LF	4,934.30		Incl.
2184	Exterior grease trap(serving kitchen waste), 10,000 gal(allowance)	EA	1.00		Incl.
2570	Exterior grease trap(serving kitchen waste), 1000 gal (allowance)	EA	1.00		Incl.
2589	6",sanitary sewer, PVC, forcemain	LF	-480.00		Incl.
2590	Excavation and backfill	LF	-480.00		Incl.
G3020 - Sanitary Sewerage Utilities					567,025
G3030	Storm Drainage Utilities				
2799	BP 31A - Recommended amount - drainage piping	LS	1.00	984,395.00	984,395
2800	BP 31A - Recommended amount - drainage structure	LS	1.00	907,600.00	907,600
2801	BP 31A - Recommended amount - groundwater maintenance system	LS	1.00	100,000.00	100,000
2802	BP 31A - Recommended amount - subsurface detention system	LS	1.00	1,379,344.00	1,379,344
1862	6", PVC underdrain	LF	454.00		Incl.
1863	8", PVC underdrain	LF	63.00		Incl.
1879	8", PVC	LF	32.00		Incl.
1858	4", HDPE underdrain for subsurface system 1 to 5	LF	324.00		Incl.
1433	6", HDPE underdrain for subsurface system 1 to 5	LF	916.00		Incl.
1910	12", perforated CPP, Corrugated HDPE storm drain pipe	LF	468.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1411	6", HDPE storm drain pipe	LF	261.00		Incl.
1909	6", CPP, Underdrain, Corrugated HDPE storm drain pipe	LF	728.00		Incl.
1861	6", CPP, Corrugated HDPE storm drain pipe	LF	157.00		Incl.
1864	8", CPP, Corrugated HDPE storm drain pipe	LF	160.00		Incl.
1409	10", CPP, Corrugated HDPE storm drain pipe	LF	187.00		Incl.
1400	12", CPP, Corrugated HDPE storm drain pipe	LF	8,462.70		Incl.
1403	15", CCP, Corrugated HDPE storm drain pipe	LF	298.00		Incl.
1405	18", CCP, Corrugated HDPE storm drain pipe	LF	1,165.00		Incl.
1406	24", CCP, Corrugated HDPE storm drain pipe	LF	1,240.00		Incl.
1412	Area drain	EA	16.00		Incl.
1413	Catch basins	EA	76.00		Incl.
1414	Curb inlet	EA	5.00		Incl.
1431	12", clean out	EA	1.00		Incl.
1415	DMH - Drain manhole - 4'	EA	67.00		Incl.
1416	DMH - Drain manhole - 5'	EA	11.00		Incl.
1417	DMH - Drain manhole - 6'	EA	2.00		Incl.
1422	Remove and replace existing DMH	EA	1.00		Incl.
1419	FES - Flared End Section	EA	2.00		Incl.
1420	Headwall	EA	3.00		Incl.
1421	OCS, Outlet control structure	EA	5.00		Incl.
1423	WQS, Water quality structure	EA	19.00		Incl.
1425	Trench drain	LF	152.00		Incl.
1424	Connection to building	EA	17.00		Incl.
1426	Connect to existing CB and convert the existing CB to DMH	EA	1.00		Incl.
1427	Connect to existing manhole	EA	2.00		Incl.
1432	Precast concrete culvert - assumed 20'x3'	LF	40.00		Incl.
1434	Subsurface#1 - 210 MC-3500 c/w 14 c/w manifold	EA	1.00		Incl.
1435	Subsurface#2 - 279 MC-3500 c/w manifold	EA	1.00		Incl.
1436	Subsurface#3 - 238 MC-3500 c/w manifold	EA	1.00		Incl.
1437	Subsurface#4 - 104 SC-740 c/w manifold	EA	1.00		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

BD Base Design

B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1438	Subsurface#5 - 16 SC-740 c/w outlet manifold	EA	1.00		Incl.
1854	Subsurface#1 - area	SF	11,442.00		Incl.
1853	Subsurface#2 - area	SF	14,193.00		Incl.
1852	Subsurface#3 - area	SF	12,998.00		Incl.
1851	Subsurface#4 - area	SF	3,999.00		Incl.
1855	Subsurface#5 - area	SF	716.00		Incl.
1775	Inspection ports	No	63.00		Incl.
1774	Allowances for non-woven geotextile	LS	1.00		Incl.
602	Excavation and backfill (refer to site preparation)	LF	14,907.70		Incl.
1773	Excavation and backfill for subsurface system	CY	14,450.00		Incl.
2319	Cleaning, testing, trace wiring etc.	LF	14,907.70		Incl.
611	Bioretention basin including piping, bedding, planting mix, excavation, etc.	SF	3,848.00		Incl.
681	Allowance for temporary retention basin including piping, etc.	LS	1.00		Incl.
G3030 - Storm Drainage Utilities					3,371,339
G3050	Site Energy Distribution				
1958	Proposed gas meter - install only - supply by others	EA	1.00		Incl.
1957	Proposed natural gas piping - HDPE	LF	1,511.00		Excl.
1960	Bend	EA	20.00		Excl.
1959	Connection to building service	EA	1.00		Incl.
1966	Connect to the main service	EA	1.00		Incl.
1965	Excavation and backfill (with site preparation)	LF	1,511.00		Incl.
G3050 - Site Energy Distribution					0
G3090	Liquid and Gas Site Utilities Supplementary Components				
793	Allowance for miscellaneous site utilities not yet designed	LS	1.00		Excl.

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



B Sitework (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1798	General requirements: supervision, shop drawings, as -built drawings, equipment rentals, fees, permits, etc.	Item			Incl.
	G3090 - Liquid and Gas Site Utilities Supplementary Components				0
	33 - UTILITIES				4,699,674
SITework					35,149,711

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

BD Base Design

C Demolition & Abatement

Rates Current At May 2023

Ref	Description	Total Cost USD
02	Existing Conditions	5,136,093
DEMOLITION & ABATEMENT		5,136,093

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

BD Base Design

C Demolition & Abatement

Rates Current At May 2023

Ref	Description	Total Cost USD
MARGINS & ADJUSTMENTS		
	Design & Estimating Contingency	77,041
	Escalation Allowance up to mid-point of Construction (3/2025)	156,394
	Sub-contractor Bonds	64,434
	Insurance - CCIP (Change from GL)	174,274
	Cost of Traditional Insurance (Trade + GL) - Savings	Incl.
	Builder's Risk Insurance (per CM Pricing Exhibit 1)	9,312
	Payment & Performance Bond (per CM Pricing Exhibit 1)	47,182
	General Conditions (per CM Pricing Exhibit 1)	246,974
	Field Office Support	43,194
	General Requirements (per CM Pricing Exhibit 1)	128,341
	Allowance for Additional Requirements not included in CM Pricing Exhibit 1	21,670
	CM Construction Contingency (per CM Pricing Exhibit 1)	137,261
	CM Fee (per CM Pricing Exhibit 1)	107,206
ESTIMATED TOTAL COST		6,349,376

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

6C.2.3 – 04

ALTERNATES

**COST ESTIMATE
DESIGNER**

90% CONSTRUCTION DOCUMENTS COST ESTIMATE – ALTERNATES

19 MAY 2023

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL

WAKEFIELD, MA



Bid/GMP Date: November 2023
Project Number: DRA No. 20202
MSBA ID: 2017-085-30605

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



Ref	Location	Total Cost USD
ALT90	Alternate - 90% Construction Documents	
A2	Add Locker/Athletic Support Building	3,361,548
A72	Additional Seating Capacity (add 500 seats)	344,819
A4	Add Concessions/Toilet Building	1,436,510
A64	Add Irrigated Softball Field	810,462
A65	Add Irrigated Softball/Multi-Purpose Field	1,184,585
A73	Add Maintenance Building	2,386,751

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION SUMMARY

GFAR: Gross Floor Area
Rates Current At May 2023

Ref	Location	G FAR SF	G FAR USD/SF	Total Cost USD
ALT90	Alternate - 90% Construction Documents			
A2	Add Locker/Athletic Support Building	6,060.00	501.49	3,039,004
	ALT90 - Alternate - 90% Construction Documents	6,060.0	501.49	3,039,004
ESTIMATED NET COST		6,060	501.49	3,039,004
MARGINS & ADJUSTMENTS				
Design & Estimating Contingency		1.5 %		45,585
Escalation Allowance up to mid-point of Construction (3/2025)		3 %		92,538
Sub-contractor Bonds		1.2 %		38,126
CM Construction Contingency (per CM Pricing Exhibit 1)		2.5 %		80,381
CM Fee				65,914
ESTIMATED TOTAL COST		6,060	554.71	3,361,548

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
03	Concrete	89.47	542,205
04	Masonry	79.81	483,660
05	Metals	16.36	99,164
06	Wood, Plastics, and Composites	6.94	42,076
07	Thermal and Moisture Protection	60.00	363,591
08	Openings	34.63	209,829
09	Finishings	34.56	209,463
10	Specialties	43.80	265,418
14	Conveying Equipment	30.40	184,224
22	Plumbing	35.42	214,661
23	Heating, Ventilating, and Air Conditioning	49.86	302,131
26	Electrical	31.26	189,416
27	Communications	9.59	58,118
28	Electronic Safety and Security	9.47	57,364
31	Earthwork	23.93	145,000
32	Exterior Improvements	-54.01	-327,316
33	Utilities		Incl.
ADD LOCKER/ATHLETIC SUPPORT BUILDING		501.49	3,039,004

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



A2 Add Locker/Athletic Support Building

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS			
	Design & Estimating Contingency		45,585
	Escalation Allowance up to mid-point of Construction (3/2025)		92,538
	Sub-contractor Bonds		38,126
	CM Construction Contingency (per CM Pricing Exhibit 1)		80,381
	CM Fee		65,914
ESTIMATED TOTAL COST		554.71	3,361,548

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
A1010	Standard Foundations				
996	Concrete to isolated spread footings, 4500 PSI	CY	26.67	313.60	8,365
529	Concrete to perimeter strip footings - 1' thick, 4500 PSI	CY	5.86	313.70	1,838
586	Concrete to perimeter strip footings - 2' thick, 4500 PSI	CY	135.00	313.60	42,339
1000	Concrete to interior strip footings, 4500 PSI	CY	4.32	313.70	1,355
588	Concrete to elevator mat footings - 3' thick, 4500 PSI	CY	17.70	313.60	5,551
1117	Concrete to piers, 4500 PSI	CY	1.60	313.80	502
521	Form isolated spread footings	SF	504.05	19.30	9,728
530	Form strip footings	SF	928.29	19.30	17,916
589	Form elevator mat footings	SF	151.90	19.30	2,932
1118	Form piers	SF	112.28	24.10	2,709
522	Bar reinforcement to isolated spread footings	Lb	2,168.93	1.70	3,767
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	14,480.73	1.70	25,153
590	Bar reinforcement to elevator mat footings	Lb	2,193.70	1.70	3,811
1119	Bar reinforcement to piers, allow	Lb	561.27	1.70	975
A1010 - Standard Foundations				20.95/SF	126,941
A2010	Walls for Subgrade Enclosures				
598	Concrete to perimeter frost walls, 4500 PSI	CY	23.34	313.60	7,320
1122	Concrete to interior foundation walls, 4500 PSI	CY	7.25	313.70	2,274
615	Concrete to elevator pit walls, 4500 PSI	CY	6.20	313.50	1,944
658	Concrete to retaining walls, 4500 PSI	CY	187.00	313.60	58,648
605	Form perimeter frost walls	SF	943.76	24.10	22,768
1123	Form interior foundation walls	SF	543.59	24.10	13,114
616	Form elevator pit walls	SF	320.20	24.10	7,725
659	Form retaining walls	SF	5,047.00	24.10	121,758
608	Bar reinforcement to perimeter frost walls	Lb	1,509.98	1.70	2,623
1124	Bar reinforcement to interior foundation walls	Lb	1,614.72	1.70	2,804
613	Bar reinforcement to elevator pit walls	Lb	1,610.10	1.70	2,797
660	Bar reinforcement to retaining walls	Lb	26,018.00	1.70	45,193

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
618	Rigid insulation - 2" thick	SF	3,630.90	4.30	15,767
	A2010 - Walls for Subgrade Enclosures			50.29/SF	304,735
A4010	Standard Slabs-on-Grade				
501	Concrete to slab on grade - 6" thick, 4500 PSI	CY	54.45	313.60	17,077
502	Form slab on grade	SF	140.00	17.40	2,432
2585	Fiber reinforcement to slab on grade	CY	54.39	57.90	3,149
698	Allowance for bar reinforcement	Lb	1,468.13	1.70	2,550
504	Float finish to slab on grade	SF	2,936.16	1.40	4,250
505	Control joints	SF	2,936.16	0.80	2,267
707	Mechanical pads	Item			14,475
710	Engineering, layout, safety, cleaning, etc.	Item			7,238
	A4010 - Standard Slabs-on-Grade			8.82/SF	53,438
B1010	Floor Construction				
538	Light weight concrete topping, overall 5-1/4" thick, 4500 PSI	CY	44.80	434.20	19,454
539	WWF reinforcement to floor deck	SF	2,761.20	1.30	3,464
540	Float finish to concrete topping	SF	2,761.20	2.90	7,994
	B1010 - Floor Construction			5.10/SF	30,912
G2030	Pedestrian Plazas and Walkways				
362	Concrete walkway paving	SF	1,689.90	12.50	21,200
2829	Concrete stairs	SF	129.00	38.60	4,979
	G2030 - Pedestrian Plazas and Walkways			4.32/SF	26,179
	03 - CONCRETE			89.47/SF	542,205
04	MASONRY				
B2010	Exterior Walls				
29	4" Thick Split face CMU Veneer	SF	3,994.01	38.60	154,168
72	8" Thick CMU back-up	SF	3,994.12	33.80	134,900
	B2010 - Exterior Walls			47.70/SF	289,068
C1010	Interior Partitions				
1561	CMU partition, 4" thick (Type 4.0)	SF	657.80	24.10	15,869
267	CMU partition, 8" thick (Type 8.0)	SF	6,165.49	27.00	166,591

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2839	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Masonry Trade)	SF	6,286.00	1.90	12,132
	C1010 - Interior Partitions			32.11/SF	194,592
	04 - MASONRY			79.81/SF	483,660
05	METALS				
B1010	Floor Construction				
535	Galvanized composite metal floor deck - 2" deep, 20 GA	SF	2,761.20	5.80	15,987
537	Structural steel framing, including beams, columns, bracing	T	7.7150	5,211.00	40,203
542	Allowance for miscellaneous connections and framings	T	0.7720	5,211.10	4,023
720	Allowance for shear studs	EA	434.10	6.30	2,723
722	Allowance for pour stops and bent plates	LF	283.00	24.10	6,827
	B1010 - Floor Construction			11.51/SF	69,763
B1020	Roof Construction				
546	Galvanized corrugated roof deck - 3" deep, type N	SF	3,640.50	6.80	24,592
547	Structural steel framing, including beams, columns, bracing	T	16.5790	5,211.00	86,393
567	Moment connection	EA	12.00	723.80	8,685
551	Allowance for miscellaneous connections and framings	T	1.6580	5,211.10	8,640
	B1020 - Roof Construction			21.17/SF	128,310
B1080	Stairs				
299	Wire mesh guardrail	LF	32.60		Incl.
759	Metal handrail	LF	28.10		Incl.
1136	Metal stairs with concrete filled pans and landing - 4'-3" wide	FT/R	15.00	2,750.30	41,254
	B1080 - Stairs			6.81/SF	41,254
C1090	Interior Specialties				
754	Allowance for elevator pit ladder, cover, etc	EA	1.00	4,825.00	4,825
2835	Allowance for miscellaneous metals	SF	6,286.00	4.80	30,330
	C1090 - Interior Specialties			5.80/SF	35,155
G2060	Site Development				
2753	Boardwalk guardrail comprising of welded wiremesh and steel post and framing	LF	-718.50	337.80	-242,675

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2830	Locker ramp handrails	LF	349.00	193.00	67,357
	G2060 - Site Development			-28.93/SF	-175,318
	05 - METALS			16.36/SF	99,164
06	WOOD, PLASTICS, AND COMPOSITES				
C1090	Interior Specialties				
2838	Allowance for rough carpentry	SF	6,286.00	1.90	12,132
2837	Allowance for wood blocking	SF	6,286.00	2.70	16,985
2836	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	6,286.00	1.40	9,099
	C1090 - Interior Specialties			6.31/SF	38,216
E1090	Other Equipment				
1698	Locker bench, 10" deep	LF	32.00	120.60	3,860
	E1090 - Other Equipment			0.64/SF	3,860
	06 - WOOD, PLASTICS, AND COMPOSITES			6.94/SF	42,076
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	3,159.10	14.50	45,728
617	Dampproofing to frost wall	SF	471.91	5.80	2,732
	A2010 - Walls for Subgrade Enclosures			8.00/SF	48,460
A4010	Standard Slabs-on-Grade				
506	Air and vapor barrier	SF	2,936.16	0.90	2,550
	A4010 - Standard Slabs-on-Grade			0.42/SF	2,550
A4090	Slab-on-Grade Supplementary Components				
507	Rigid insulation - 2" thick	SF	527.97	4.30	2,293
	A4090 - Slab-on-Grade Supplementary Components			0.38/SF	2,293
B1010	Floor Construction				
543	Allowance for spray applied fireproofing (members only)	SF	2,761.20	3.70	10,126
	B1010 - Floor Construction			1.67/SF	10,126
B1020	Roof Construction				
719	Allowance for spray applied fireproofing (members only)	SF	3,640.50	3.70	13,350
	B1020 - Roof Construction			2.20/SF	13,350

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
B2010	Exterior Walls				
2544	3" Thick rigid insulation	SF	3,994.08	6.80	26,980
2545	Fluid applied air and vapor barrier	SF	3,993.99	6.30	25,052
190	Allowance for miscellaneous sealing and caulking	SF	5,275.00	1.90	10,181
	B2010 - Exterior Walls			10.27/SF	62,213
B3010	Roofing				
199	Locker Building roof assembly, assumes PVC membrane roofing	SF	3,041.00	28.90	88,036
1477	Locker Building roof assembly, assumes metal roofing	SF	464.00	29.00	13,433
349	Extensive green roof	SF	2,042.80	57.90	118,277
	B3010 - Roofing			36.26/SF	219,746
C1010	Interior Partitions				
488	Allowance for miscellaneous sealing and caulking	SF	6,286.00	0.50	3,033
489	Allowance for miscellaneous fire stopping	SF	6,286.00	0.30	1,820
	C1010 - Interior Partitions			0.80/SF	4,853
	07 - THERMAL AND MOISTURE PROTECTION			60.00/SF	363,591
08	OPENINGS				
B2020	Exterior Windows				
48	Aluminum curtain wall system, with insulating glass	SF	252.40	149.60	37,753
49	Aluminum storefront system, with insulating glass	SF	1,028.70	120.60	124,086
	B2020 - Exterior Windows			26.71/SF	161,839
B2050	Exterior Doors and Grilles				
236	10'-0" x 10'-0" Motor operated overhead door with insulating panels	EA	2.00	9,650.00	19,300
120	3'-0" x 7'-0" Single leaf aluminum glazed door, including frame, finish, and hardware	EA	1.00	3,571.00	3,571
134	3'-0" x 7'-0" Single leaf hollow metal door, including frame, finish, and hardware	EA	2.00	1,303.00	2,606
1231	3'-2" x 7'-10" Single leaf aluminum glazed door, including frame, finish, and hardware	EA	1.00	6,755.00	6,755
97	2@ 3'-0" x 7'-0" Double leaf aluminum glazed door, including frame, finish, and hardware	Pair	1.00		Excl.
	B2050 - Exterior Doors and Grilles			5.32/SF	32,232

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
C1030	Interior Doors				
102	3'-0"x7'-0" Single leaf hollow metal doors, including frame, finish and hardware	EA	1.00	1,515.00	1,515
106	3'-0"x7'-0" Single leaf wooden doors, including frame, finish and hardware	EA	8.00	1,780.40	14,243
	C1030 - Interior Doors			2.60/SF	15,758
	08 - OPENINGS			34.63/SF	209,829
09	FINISHINGS				
C1010	Interior Partitions				
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	6,286.00	0.40	2,426
	C1010 - Interior Partitions			0.40/SF	2,426
C2010	Wall Finishes				
141	Ceramic tile	SF	366.70	21.20	7,785
170	Prepare and apply epoxy paint	SF	15,239.92	3.40	51,473
841	Plastic laminate window sills	LF	86.40	72.40	6,253
	C2010 - Wall Finishes			10.81/SF	65,511
C2030	Flooring				
5	SCONC, Sealed concrete	SF	1,467.92	1.40	2,125
6	EF, Epoxy flooring and base	SF	2,617.45	14.50	37,888
10	Resilient base	LF	392.27	4.80	1,892
2831	Rubber floor tiles	SF	316.00	15.40	4,879
2832	Cleat resistant rubber tiles	SF	538.00	20.70	11,162
	C2030 - Flooring			9.56/SF	57,946
C2050	Ceiling Finishes				
37	Gypsum board ceiling	SF	3,099.40	19.30	59,818
41	Gypsum board ceiling, moisture resistant	SF	649.15	24.10	15,661
39	Paint to gypsum board ceiling	SF	3,748.48	1.40	5,426
40	Paint to exposed ceiling	SF	1,205.17	2.20	2,675
	C2050 - Ceiling Finishes			13.79/SF	83,580
	09 - FINISHINGS			34.56/SF	209,463

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
10	SPECIALTIES				
C1090	Interior Specialties				
287	Restroom accessories - Toilet partition, ADA	EA	3.00	1,640.70	4,922
280	Restroom accessories - Tissue paper dispenser	EA	6.00	120.70	724
281	Restroom accessories - Grab bar	EA	12.00	173.70	2,084
305	Restroom accessories - Shower grab bar	Set	5.00	434.20	2,171
282	Restroom accessories - Napkin disposal	EA	6.00	482.50	2,895
283	Restroom accessories - Robe hook	EA	6.00	96.50	579
284	Restroom accessories - Soap dispenser	EA	6.00	144.80	869
285	Restroom accessories - Shower curtain and rod	EA	5.00	193.00	965
304	Restroom accessories - Shower seat	EA	5.00	579.00	2,895
291	Restroom accessories - Framed mirror	EA	6.00	772.00	4,632
292	Restroom accessories - Towel dispenser/waste receptacle	EA	6.00	820.30	4,922
1538	Football style lockers (Locker building)	EA	184.00	1,254.50	230,827
296	Allowance for fire extinguisher and cabinets	EA	2.57	820.20	2,108
298	Allowance for exterior signage	Item			4,825
	C1090 - Interior Specialties			43.80/SF	265,418
	10 - SPECIALTIES			43.80/SF	265,418
14	CONVEYING EQUIPMENT				
D1010	Vertical Conveying Systems				
751	Traction passenger elevator, 2 stops, 3500 pounds	EA	1.00	159,224.00	159,224
752	Passenger elevator, 2 stops	EA	1.00		Excl.
2512	Elevator car allowance (per section 14150)	EA	1.00	25,000.00	25,000
	D1010 - Vertical Conveying Systems			30.40/SF	184,224
	14 - CONVEYING EQUIPMENT			30.40/SF	184,224
22	PLUMBING				
D2010	Domestic Water Distribution				
1886	Plumbing Fixtures	Note			
2073	P-1A, Water Closet - Flush Valve - Wall Mounted, accessible	EA	6.00	1,785.30	10,712
2076	P-3A, Lavatory - Rectangular - Wall Mounted 19X17	EA	6.00	1,399.30	8,396
2079	P-4, Mop Receptor	EA	1.00	1,544.00	1,544

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2080	P-5, Drinking Fountain - Recessed	EA	2.00	2,702.00	5,404
2082	P-6, Shower Base	EA	5.00	2,412.60	12,063
1255	Janitor sink - (Locker building)	EA	1.00		Incl.
2098	Allowance for missing/ miscellaneous plumbing fixtures (Locker building)	SF	2,515.00	1.90	4,854
447	Water Distribution and Components	Note			
2100	Connection to main(4")-(Locker building)	EA	1.00	772.00	772
2104	Plumbing fixture- hook up(domestic water)	EA	21.00	386.00	8,106
2111	4", water meter and backflow preventer assembly - Locker building (allowance)	EA	1.00	10,615.00	10,615
2130	EWB-8, Electric water heater(DSE-120), 60 kw, 150 Gal (Locker building)	EA	1.00	16,405.00	16,405
2132	HWRP, Recirculation pump	EA	1.00	2,413.00	2,413
2133	ET, Expansion tank	EA	1.00	483.00	483
2134	Mixing valve(serving water heaters)	EA	1.00	483.00	483
2140	Housekeeping pad(to be carried elsewhere in this estimate)	Note			Excl.
2141	HB, Hose bib	EA	5.00	289.60	1,448
1101	WH, Wall Hydrant - Mild Climate	EA	1.00	1,689.00	1,689
465	Domestic water piping, copper L, 1" - ag	LF	210.20	28.90	6,085
463	Domestic water piping, copper L, 3" - ag (none indicated)	LF	220.00		Excl.
1280	Domestic water piping, copper L, 4" - ag	LF	50.00	207.50	10,374
1281	Domestic water piping, copper K, 4" - bg	LF	31.00	173.70	5,385
1365	Thermal pipe insulation - 1/2" to 1" copper pipe	LF	210.20	6.30	1,318
1371	Thermal pipe insulation - 4" copper pipe	LF	80.89	24.10	1,951
2157	Water meter c/w bfp assembly- c/w service bypass hook up (4")	EA	1.00	7,238.00	7,238
2164	Electric water heater- hook up(large)	EA	1.00	724.00	724
2167	Circulating pump - hook up	EA	1.00	724.00	724
2168	Expansion tank - hook up	EA	1.00	290.00	290
2169	Mixing valve - hook up	EA	1.00	483.00	483
1373	Hookup - plumbing	EA	6.00	627.30	3,764
2175	Allowance for missing/ miscellaneous domestic water system(Locker building)	SF	6,286.00	0.50	3,033

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2176	Subcontractor GCs/GRs	Item			8,685
	D2010 - Domestic Water Distribution			22.35/SF	135,441
D2020	Sanitary Drainage				
2177	Connection to main	EA	2.00	724.00	1,448
2178	Plumbing fixture - hook-ups(sanitary & vent)	EA	21.00	482.50	10,133
2190	Gas/ oil separator (Locker building)	EA	1.00	7,720.00	7,720
2480	Condensate pump (assumed one per each FCU and AC units)	EA	8.00	289.50	2,316
1265	Trench drain c/w steel grate(serving Locker building)	LF	20.00	289.50	5,790
2194	FD, Floor drain	EA	5.00	434.20	2,171
2197	CO, Clean out	EA	3.00	337.70	1,013
1570	Condensate drain piping c/w fittings,supports, etc.	LF	35.00	33.80	1,182
2206	2", Sanitary piping c/w fittings - Ag	LF	60.08	38.60	2,319
2207	3", Sanitary piping c/w fittings - Ag	LF	20.04	43.40	870
2208	4", Sanitary piping c/w fittings - Ag	LF	90.71	48.20	4,376
2214	4", Sanitary piping c/w fittings - Bg	LF	28.96	48.20	1,397
2215	6", Sanitary piping c/w fittings - Bg	LF	78.58	57.90	4,550
2263	No excavation & backfill- assumed	Note			Excl.
2262	No cutting and patching assumed	Note			Excl.
1296	1-1/2" to 2", Vent c/w fittings, supports, etc, ag	LF	85.27	43.40	3,703
1304	1-1/2" to 2", Vent piping, bg	LF	4.79	48.40	232
2237	Allowance for missing/ miscellaneous sanitary drainage system(Locker building)	SF	6,286.00	0.50	3,033
2238	Subcontractor GCs/GRs	Item			2,895
	D2020 - Sanitary Drainage			9.10/SF	55,148
D2030	Building Support Plumbing Systems				
1883	Connection to main	EA	1.00	724.00	724
2239	Elevator sump pump system(Locker building)	EA	1.00	6,273.00	6,273
2242	4" RD/OFD, Roof Drain/ Overflow drain	EA	4.00	1,158.00	4,632
2245	Clean out	EA	1.00	338.00	338
2246	4", Storm drain piping c/w fittings, supports - Ag	LF	39.60	48.30	1,911
2251	6", Storm drain piping c/w fittings, supports - Bg	LF	39.20	96.50	3,783

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2254	No excavation & backfill- assumed	Note			Excl.
2255	No cutting and patching assumed	Note			Excl.
2256	Elevator pit sump pump- hook up	EA	1.00	1,448.00	1,448
2260	Allowance for missing/ miscellaneous storm water drainage system(Locker building)	SF	6,286.00	0.50	3,033
2261	Subcontractor GCs/GRs	Item			1,930
	D2030 - Building Support Plumbing Systems			3.97/SF	24,072
D2060	Process Support Plumbing Systems				
2528	Allowance for locker building gas system (assumed not required)	Note			Excl.
2316	Subcontractor GCs/GRs	Item			0
	D2060 - Process Support Plumbing Systems				0
	22 - PLUMBING			35.42/SF	214,661
23	HEATING, VENTILATING, AND AIR CONDITIONING				
D3020	Heat Systems				
1847	EUH-1, Electric unit heater, 15 kW	EA	2.00	2,654.00	5,308
1866	EUH-3, Electric unit heater, 3 kW	EA	1.00	1,544.00	1,544
1867	EUH-4 & 5, Electric unit heater, 10 kW	EA	1.00	2,171.00	2,171
1868	EUH-6, Electric unit heater, 5 kW - none indicated	EA	2.00		Excl.
2643	EUH-7, Electric unit heater, 6 kW	EA	3.00	2,026.70	6,080
	D3020 - Heat Systems			2.49/SF	15,103
D3030	Cooling Systems				
1668	LG HVAC equipments consisting of DX-split units, FCU c/w condenser units, etc.	LS	1.00	50,663.00	50,663
1190	AC- 0-2 to 0-3, 0-6 to 0-8, 1-1 to 4, 1-7 to 9, 1-11 to 14, 2-1 to 6, 3-1 to 5, 4-1 to 5, CB-3 & LB-1, DX split system air conditioning unit 2 ton, 24 mbh cooling capacity c/w outdoor air-cooled condensing unit	EA	1.00		Incl.
1194	FCU, DX-cooled fan coil units 0.6 ton	EA	2.00		Incl.
1197	FCU, DX-cooled fan coil units 1 ton	EA	2.00		Incl.
1200	FCU, DX-cooled fan coil units 2 ton	EA	3.00		Incl.
1568	Refrigeration piping c/w fittings,supports, etc.	LF	200.00	43.40	8,685
1684	Allowance for refrigerant	Lb	85.00	24.10	2,051

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1713	ERV - hook ups	EA	1.00	724.00	724
1974	FCU - hook ups	EA	7.00	482.60	3,378
1975	AC units - hook ups	EA	1.00	483.00	483
2481	Allowance for missing/ miscellaneous	SF	6,286.08	0.40	2,426
D3030 - Cooling Systems				11.29/SF	68,410
D3050	Facility HVAC Distribution Systems				
1148	ERV-6, Energy recovery ventilator, 1,590 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	53,075.00	53,075
1850	F-21, Exhaust fan, 1,100 cfm	EA	1.00	2,220.00	2,220
1216	Galvanized duct work c/w fittings, supports, etc.	Lb	4,702.20	15.40	72,602
1217	Thermal insulation	SF	4,323.28	6.30	27,117
1243	4" to 6", Round galvanized duct work c/w fittings, supports, etc	LF	34.20	62.70	2,145
1346	10" to 12", Round galvanized duct work c/w fittings, supports, etc	LF	25.40	77.20	1,961
1218	A & A1, Diffusers (medium)	EA	5.00	193.00	965
1300	C/C1, Grilles (medium)	EA	7.00	144.70	1,013
1236	Louver	SF	14.00	82.00	1,148
1299	BD, Balancing damper	EA	9.00	482.60	4,343
2422	Motorized damper	EA	2.00	724.00	1,448
1567	Allowance for miscellaneous/missing items	SF	6,286.00	0.30	1,820
D3050 - Facility HVAC Distribution Systems				28.03/SF	169,857
D3060	Controls & Instrumentations				
1708	BAS control system c/w computer station, graphics, wiring, testing etc.	Pt	15.00	1,447.50	21,713
D3060 - Controls & Instrumentations				3.58/SF	21,713
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	6,286.00	0.80	4,853
1560	General requirements: supervision, shop drawings, asbuilt, tags, markers, tools, rentals, BIM, cleaning, storage, material handling, seismic restraints, permits, fees etc.	Item			22,195
D3070 - Special Purpose HVAC Systems				4.46/SF	27,048
23 - HEATING, VENTILATING, AND AIR CONDITIONING				49.86/SF	302,131

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90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
26	ELECTRICAL				
D5020	Electrical Service and Distribution				
223	Distribution Athletic building	SF	6,286.00	20.70	130,418
	D5020 - Electrical Service and Distribution			21.52/SF	130,418
D5030	General Purpose Electrical Power				
1531	Rec power	EA	10.00	120.60	1,206
	D5030 - General Purpose Electrical Power			0.20/SF	1,206
D5040	Lighting				
1526	Lighting Exits	EA	2.00	309.00	618
1527	Lighting type F1 - 4' long linear	EA	10.00	111.00	1,110
1732	Lighting conduit & wire	EA	30.00	178.50	5,356
1743	Lighting control	SF	6,286.00	1.30	7,886
	D5040 - Lighting			2.47/SF	14,970
D5080	Miscellaneous Electrical Systems				
1738	Electrical permits	SF	6,286.00		Excl.
1739	Electrical testing, documentation & commissioning	SF	6,286.00	2.50	16,008
1740	Electrical firestopping	SF	6,286.00	0.30	1,820
2833	BIM	LS	1.00	24,994.00	24,994
	D5080 - Miscellaneous Electrical Systems			7.07/SF	42,822
	26 - ELECTRICAL			31.26/SF	189,416
27	COMMUNICATIONS				
D6010	Data Communications				
1676	WAP wireless access point	EA	55.00	820.30	45,114
	D6010 - Data Communications			7.44/SF	45,114
D6030	Audio-Video Communication				
1741	Sound conduit & wire	EA	20.00	603.20	12,063
	D6030 - Audio-Video Communication			1.99/SF	12,063
D6060	Distributed Communications and Monitoring				
1742	Clocks conduit & wire	EA	3.00	313.70	941
	D6060 - Distributed Communications and Monitoring			0.16/SF	941
	27 - COMMUNICATIONS			9.59/SF	58,118

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90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
28	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
1733	Security conduit & wire	EA	35.00	265.40	9,288
	D7010 - Access Controls and Intrusion Detection			1.53/SF	9,288
D7030	Electronic Surveillance				
1685	CCTV cameras rough in	EA	8.00	1,626.00	13,008
1778	Security conduit & wire	EA	8.00	723.80	5,790
	D7030 - Electronic Surveillance			3.10/SF	18,798
D7050	Detection and Alarm				
1630	Fire alarm annunciator	EA	1.00	9,505.00	9,505
1631	Fire alarm pull station	EA	2.00	627.50	1,255
1632	Fire alarm smoke detector	EA	3.00	313.70	941
1636	Fire alarm audio/visual alarm	EA	19.00	395.60	7,517
1637	Fire alarm audio only alarm	EA	2.00	371.50	743
1640	Fire alarm flow and tamper switch	EA	3.00	540.30	1,621
1734	Fire alarm conduit & wire	EA	29.00	265.40	7,696
	D7050 - Detection and Alarm			4.83/SF	29,278
	28 - ELECTRONIC SAFETY AND SECURITY			9.47/SF	57,364
31	EARTHWORK				
A4010	Standard Slabs-on-Grade				
508	Excavation for slab on grade	CY	181.26		Incl.
509	Remove and dispose of excavated material	CY	181.26		Incl.
510	Prepare and compact sub-base	SF	2,936.16		Incl.
513	Re-use materials ILO Imported sand gravel fill - 12" thick	CY	108.77		Incl.
	A4010 - Standard Slabs-on-Grade				Incl.
A6010	Building Subdrainage				
619	Perimeter drain	LF	257.89		Incl.
686	Under-slab drainage system	SF	2,936.16		Incl.
	A6010 - Building Subdrainage				Incl.
A9010	Substructure Excavation				
591	Excavation for foundation footings including spoils removal	CY	807.04		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
593	Prepare and compact foundation sub-base	SF	2,621.57		Incl.
594	Imported sand gravel fill below foundations - 12" thick	CY	97.15		Incl.
654	Excavation for elevator pit including spoils removal	CY	53.00		Incl.
620	Imported foundation backfill	CY	488.90		Incl.
	A9010 - Substructure Excavation				Incl.
G1070	Site Earthwork				
743	Excavate for walkways paving	CY	62.60		Incl.
1518	Remove spoils from site (walkways paving)	CY	62.60		Incl.
2842	Sitework associated with Locker Building	LS	1.00	145,000.00	145,000
	G1070 - Site Earthwork			23.93/SF	145,000
G2030	Pedestrian Plazas and Walkways				
745	Prepare and compact subbase	SF	1,689.90		Incl.
746	Granular fill, re-use excavated materials	CY	41.80		Incl.
1519	Imported compacted gravel borrow	CY	41.80		Excl.
	G2030 - Pedestrian Plazas and Walkways				0
	31 - EARTHWORK			23.93/SF	145,000
32	EXTERIOR IMPROVEMENTS				
G2060	Site Development				
399	Pre-engineered elevated boardwalk ramping system	SF	-3,211.70	115.80	-371,917
1575	Pre-engineered stairs	SF	176.60	154.40	27,267
	G2060 - Site Development			-56.87/SF	-344,650
G2080	Landscaping				
789	Imported planting mix	CY	6.03	57.90	349
2542	Use stockpile material	CY	6.03		Excl.
1599	White oak, 1.5" Cal.	EA	3.00	675.70	2,027
1604	Clump paper birch, 7-8' Ht.	EA	6.00	772.00	4,632
1612	Red oak, 2.5-3" Cal.	EA	5.00	965.00	4,825
1617	White pine, 8-10' Ht.	EA	4.00	772.00	3,088
1618	White pine, 5-6' Ht.	EA	5.00	482.60	2,413
	G2080 - Landscaping			2.86/SF	17,334
	32 - EXTERIOR IMPROVEMENTS			-54.01/SF	-327,316

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A2 Add Locker/Athletic Support Building (continued)

GFAR: 6,060.00 SF Cost/SF: 501.49
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
33	UTILITIES				
G3010	Water Utilities				
1383	Connection to building	EA	1.00		Incl.
1384	4", Ductile iron pipe	LF	29.82		Incl.
1382	2", copper	LF	98.11		Incl.
1955	Tee 8"x8"x2"	EA	1.00		Incl.
1380	2", Water valve - allow	EA	1.00		Incl.
1448	Cleaning, testing, trace wiring etc.	LF	127.89		Incl.
569	Excavation and backfill (with site preparation)	LF	127.89		Incl.
	G3010 - Water Utilities				Incl.
G3020	Sanitary Sewerage Utilities				
1391	Connection to building sanitary service	EA	2.00		Incl.
1388	SMH, Sanitary manhole	EA	1.00		Incl.
1941	6",sanitary sewer, cast iron	LF	17.60		Incl.
1387	6",sanitary sewer, PVC	LF	115.62		Incl.
1943	4",sanitary sewer, PVC	LF	38.38		Incl.
1392	6",sanitary sewer, PVC	LF	49.28		Incl.
2318	Cleaning, testing, trace wiring etc.	LF	220.63		Incl.
577	Excavation and backfill (with site preparation)	LF	220.63		Incl.
	G3020 - Sanitary Sewerage Utilities				Incl.
G3030	Storm Drainage Utilities				
1861	6", CPP, Corrugated HDPE storm drain pipe	LF	21.00		Incl.
1400	12", CPP, Corrugated HDPE storm drain pipe	LF	168.30		Incl.
1415	DMH - Drain manhole - 4'	EA	1.00		Incl.
1424	Connection to building	EA	1.00		Incl.
602	Excavation and backfill (refer to site preparation)	LF	189.30		Incl.
2319	Cleaning, testing, trace wiring etc.	LF	189.30		Incl.
	G3030 - Storm Drainage Utilities				Incl.
	33 - UTILITIES				Incl.
ADD LOCKER/ATHLETIC SUPPORT BUILDING				501.49/SF	3,039,004

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION SUMMARY

Rates Current At May 2023

Ref	Location	Total Cost USD
ALT90	Alternate - 90% Construction Documents	
A72	Additional Seating Capacity (add 500 seats)	311,734
ALT90 - Alternate - 90% Construction Documents		311,734
ESTIMATED NET COST		311,734
MARGINS & ADJUSTMENTS		
Design & Estimating Contingency		1.5 % 4,676
Escalation Allowance up to mid-point of Construction (3/2025)		3 % 9,492
Sub-contractor Bonds		1.2 % 3,911
CM Construction Contingency (per CM Pricing Exhibit 1)		2.5 % 8,245
CM Fee		6,761
ESTIMATED TOTAL COST		344,819

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

ALT90 Alternate - 90% Construction Documents

A72 Additional Seating Capacity (add 500 seats)

Rates Current At May 2023

Ref	Description	Total Cost USD
03	Concrete	31,884
11	Equipment	279,850
31	Earthwork	Incl.
ADDITIONAL SEATING CAPACITY (ADD 500 SEATS)		311,734

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

ALT90 Alternate - 90% Construction Documents

A72 Additional Seating Capacity (add 500 seats)

Rates Current At May 2023

Ref	Description	Total Cost USD
MARGINS & ADJUSTMENTS		
	Design & Estimating Contingency	4,676
	Escalation Allowance up to mid-point of Construction (3/2025)	9,492
	Sub-contractor Bonds	3,911
	CM Construction Contingency (per CM Pricing Exhibit 1)	8,245
	CM Fee	6,761
ESTIMATED TOTAL COST		344,819

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A72 Additional Seating Capacity (add 500 seats)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
G2050	Athletic, Recreational, and Playfield Areas				
1706	Cast-in-place grandstand footings, 2' dia x 5' deep	EA	16.00	820.30	13,124
2484	Cast-in-place slab on grade for grandstand, 4" deep	SF	1,996.90	6.80	13,489
2485	Cast-in-place slab on grade for grandstand, 5" deep	SF	496.50	10.60	5,271
	G2050 - Athletic, Recreational, and Playfield Areas				31,884
	03 - CONCRETE				31,884
11	EQUIPMENT				
G2050	Athletic, Recreational, and Playfield Areas				
2855	Additional bleacher seating to Football field (500 seats)	LS	1.00	279,850.00	279,850
	G2050 - Athletic, Recreational, and Playfield Areas				279,850
	11 - EQUIPMENT				279,850
31	EARTHWORK				
G2050	Athletic, Recreational, and Playfield Areas				
757	Prepare and compact subbase	SF	2,492.74		Incl.
758	Granular base to athletic fields, re-use excavated materials	CY	46.17		Incl.
1573	Imported compacted gravel borrow	CY	46.50		Incl.
	G2050 - Athletic, Recreational, and Playfield Areas				Incl.
	31 - EARTHWORK				Incl.
ADDITIONAL SEATING CAPACITY (ADD 500 SEATS)					311,734

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



GFAR: Gross Floor Area
Rates Current At May 2023

Ref	Location	GFAR SF	GFAR USD/SF	Total Cost USD
ALT90	Alternate - 90% Construction Documents			
A4	Add Concessions/Toilet Building	1,730.00	750.68	1,298,676
	ALT90 - Alternate - 90% Construction Documents	1,730.0	750.68	1,298,676
ESTIMATED NET COST		1,730	750.68	1,298,676
MARGINS & ADJUSTMENTS				
Design & Estimating Contingency		1.5 %		19,480
Escalation Allowance up to mid-point of Construction (3/2025)		3 %		39,545
Sub-contractor Bonds		1.2 %		16,292
CM Construction Contingency (per CM Pricing Exhibit 1)		2.5 %		34,350
CM Fee				28,167
ESTIMATED TOTAL COST		1,730	830.35	1,436,510

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
03	Concrete	42.95	74,296
04	Masonry	93.10	161,056
05	Metals	3.58	6,195
06	Wood, Plastics, and Composites	84.99	147,031
07	Thermal and Moisture Protection	71.89	124,373
08	Openings	13.03	22,544
09	Finishings	35.69	61,744
10	Specialties	15.51	26,826
11	Equipment	13.94	24,124
22	Plumbing	98.15	169,796
23	Heating, Ventilating, and Air Conditioning	59.16	102,346
26	Electrical	94.20	162,959
27	Communications	1.05	1,809
28	Electronic Safety and Security	16.64	28,782
31	Earthwork	66.47	115,000
32	Exterior Improvements	9.67	16,722
33	Utilities	30.68	53,073
ADD CONCESSIONS/TOILET BUILDING		750.68	1,298,676

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



A4 Add Concessions/Toilet Building

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	GFAR USD/SF	Total Cost USD
MARGINS & ADJUSTMENTS			
	Design & Estimating Contingency		19,480
	Escalation Allowance up to mid-point of Construction (3/2025)		39,545
	Sub-contractor Bonds		16,292
	CM Construction Contingency (per CM Pricing Exhibit 1)		34,350
	CM Fee		28,167
ESTIMATED TOTAL COST		830.35	1,436,510

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
A1010	Standard Foundations				
529	Concrete to perimeter strip footings - 1' thick, 4500 PSI	CY	12.59	313.70	3,949
1000	Concrete to interior strip footings, 4500 PSI	CY	1.68	313.70	527
530	Form strip footings	SF	334.69	19.30	6,460
587	Bar reinforcement to strip footings, allow 100 PCY	Lb	1,418.42	1.70	2,464
	A1010 - Standard Foundations			7.75/SF	13,400
A2010	Walls for Subgrade Enclosures				
598	Concrete to perimeter frost walls, 4500 PSI	CY	26.45	313.60	8,295
1122	Concrete to interior foundation walls, 4500 PSI	CY	1.75	313.70	549
605	Form perimeter frost walls	SF	1,069.95	24.10	25,812
1123	Form interior foundation walls	SF	139.61	24.10	3,368
608	Bar reinforcement to perimeter frost walls	Lb	1,717.23	1.70	2,983
1124	Bar reinforcement to interior foundation walls	Lb	387.78	1.70	674
618	Rigid insulation - 2" thick	SF	534.96	4.30	2,323
	A2010 - Walls for Subgrade Enclosures			25.44/SF	44,004
A4010	Standard Slabs-on-Grade				
933	Concrete to slab on grade - 5" thick, 4500 PSI	CY	16.70	313.70	5,238
502	Form slab on grade	SF	77.28	17.40	1,342
2585	Fiber reinforcement to slab on grade	CY	16.60	57.90	961
698	Allowance for bar reinforcement	Lb	537.31	1.70	933
504	Float finish to slab on grade	SF	1,074.58	1.40	1,556
505	Control joints	SF	1,074.58	0.80	830
707	Mechanical pads	Item			3,619
710	Engineering, layout, safety, cleaning, etc.	Item			2,413
	A4010 - Standard Slabs-on-Grade			9.76/SF	16,892
	03 - CONCRETE			42.95/SF	74,296
04	MASONRY				
B2010	Exterior Walls				
29	4" Thick Split face CMU Veneer	SF	373.68	38.60	14,424

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
72	8" Thick CMU back-up	SF	1,748.15	33.80	59,043
	B2010 - Exterior Walls			42.47/SF	73,467
C1010	Interior Partitions				
1776	CMU shear walls, 8" thick	SF	1,764.00	48.20	85,111
2839	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Masonry Trade)	SF	1,284.00	1.90	2,478
	C1010 - Interior Partitions			50.63/SF	87,589
	04 - MASONRY			93.10/SF	161,056
05	METALS				
C1090	Interior Specialties				
2835	Allowance for miscellaneous metals	SF	1,284.00	4.80	6,195
	C1090 - Interior Specialties			3.58/SF	6,195
	05 - METALS			3.58/SF	6,195
06	WOOD, PLASTICS, AND COMPOSITES				
B1020	Roof Construction				
1013	Pre-fabricated wood truss	SF	1,401.00	46.30	64,893
1012	Plywood sheathing - 5/8" thick	SF	1,401.00	4.10	5,813
	B1020 - Roof Construction			40.87/SF	70,706
B2010	Exterior Walls				
1648	Mineral fiber reinforcement cementitious panels	SF	1,375.00	48.20	66,343
	B2010 - Exterior Walls			38.35/SF	66,343
C1090	Interior Specialties				
2838	Allowance for rough carpentry	SF	1,284.00	1.90	2,478
2837	Allowance for wood blocking	SF	1,284.00	2.70	3,469
2836	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Carpentry Trade)	SF	1,284.00	1.40	1,859
	C1090 - Interior Specialties			4.51/SF	7,806
E1090	Other Equipment				
1704	Dish return counter	LF	8.20	265.40	2,176
	E1090 - Other Equipment			1.26/SF	2,176
	06 - WOOD, PLASTICS, AND COMPOSITES			84.99/SF	147,031

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
07	THERMAL AND MOISTURE PROTECTION				
A2010	Walls for Subgrade Enclosures				
617	Dampproofing to frost wall	SF	535.01	5.80	3,098
	A2010 - Walls for Subgrade Enclosures			1.79/SF	3,098
A4010	Standard Slabs-on-Grade				
506	Air and vapor barrier	SF	1,074.58	0.90	933
	A4010 - Standard Slabs-on-Grade			0.54/SF	933
A4090	Slab-on-Grade Supplementary Components				
507	Rigid insulation - 2" thick	SF	280.13	4.30	1,217
	A4090 - Slab-on-Grade Supplementary Components			0.70/SF	1,217
B2010	Exterior Walls				
2543	2" Thick rigid insulation	SF	1,748.10	4.80	8,435
2545	Fluid applied air and vapor barrier	SF	1,748.10	6.30	10,965
190	Allowance for miscellaneous sealing and caulking	SF	1,748.09	1.90	3,374
	B2010 - Exterior Walls			13.16/SF	22,774
B3010	Roofing				
800	Concession Building roof assembly, Pre-finished standing seam metal roofing, including rosin paper, ice and water shield	SF	1,401.00	57.90	81,116
	B3010 - Roofing			46.89/SF	81,116
B3020	Roof Appurtenances				
1488	Gutter	LF	51.00	28.90	1,476
1490	Downspout	LF	24.00	19.30	463
1489	Snow fence	LF	51.00	241.30	12,304
	B3020 - Roof Appurtenances			8.23/SF	14,243
C1010	Interior Partitions				
488	Allowance for miscellaneous sealing and caulking	SF	1,284.00	0.50	620
489	Allowance for miscellaneous fire stopping	SF	1,284.00	0.30	372
	C1010 - Interior Partitions			0.57/SF	992
	07 - THERMAL AND MOISTURE PROTECTION			71.89/SF	124,373

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
08	OPENINGS				
B2050	Exterior Doors and Grilles				
1210	4'-0" x 7'-0" Overhead coiling insulated stainless steel door	EA	1.00	3,378.00	3,378
1211	8'-0" x 4'-4 3/8" Overhead coiling insulated stainless steel counter door	EA	1.00	4,343.00	4,343
1212	3'-0" x 7'-0" Single leaf stainless steel door, including frame, finish, and hardware	EA	3.00	2,653.70	7,961
1213	2@3'-0" x 7'-0" Double leaf stainless steel door, including frame, finish, and hardware	Pair	1.00	5,308.00	5,308
	B2050 - Exterior Doors and Grilles			12.13/SF	20,990
B2070	Exterior Louvers and Vents				
99	Louver	SF	16.10	96.50	1,554
	B2070 - Exterior Louvers and Vents			0.90/SF	1,554
	08 - OPENINGS			13.03/SF	22,544
09	FINISHINGS				
B2010	Exterior Walls				
2769	2" metal z-girt back-up	SF	1,749.00	7.70	13,502
	B2010 - Exterior Walls			7.80/SF	13,502
C1010	Interior Partitions				
808	Allowance for miscellaneous clean-up, additional labor, safety, etc. (Drywall Trade)	SF	1,284.00	0.40	496
	C1010 - Interior Partitions			0.29/SF	496
C2010	Wall Finishes				
170	Prepare and apply epoxy paint	SF	2,709.65	3.40	9,152
	C2010 - Wall Finishes			5.29/SF	9,152
C2030	Flooring				
5	SCONC, Sealed concrete	SF	42.68	1.50	62
6	EF, Epoxy flooring and base	SF	930.15	14.50	13,464
10	Resilient base	LF	66.39	4.80	320
	C2030 - Flooring			8.00/SF	13,846
C2050	Ceiling Finishes				
41	Gypsum board ceiling, moisture resistant	SF	967.80	24.10	23,347

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
39	Paint to gypsum board ceiling	SF	967.68	1.40	1,401
	C2050 - Ceiling Finishes			14.31/SF	24,748
	09 - FINISHINGS			35.69/SF	61,744
10	SPECIALTIES				
C1090	Interior Specialties				
277	Restroom accessories - Toilet partition	EA	5.00	1,254.60	6,273
287	Restroom accessories - Toilet partition, ADA	EA	2.00	1,640.50	3,281
302	Restroom accessories - Urinal partition	EA	3.00	675.70	2,027
280	Restroom accessories - Tissue paper dispenser	EA	7.00	120.60	844
281	Restroom accessories - Grab bar	EA	4.00	173.80	695
282	Restroom accessories - Napkin disposal	EA	5.00	482.60	2,413
283	Restroom accessories - Robe hook	EA	7.00	96.60	676
284	Restroom accessories - Soap dispenser	EA	4.00	144.80	579
291	Restroom accessories - Framed mirror	EA	4.00	772.00	3,088
1503	Restroom accessories - Hand dryer	EA	2.00	724.00	1,448
753	Allowance for janitor accessories	EA	1.00	724.00	724
332	Allowance for AED with cabinets	EA	1.00	1,930.00	1,930
296	Allowance for fire extinguisher and cabinets	EA	0.53	820.80	435
298	Allowance for exterior signage	Item			2,413
	C1090 - Interior Specialties			15.51/SF	26,826
	10 - SPECIALTIES			15.51/SF	26,826
11	EQUIPMENT				
E1090	Other Equipment				
801	Food service equipment (Concession)	LS	1.00	24,124.00	24,124
	E1090 - Other Equipment			13.94/SF	24,124
	11 - EQUIPMENT			13.94/SF	24,124
22	PLUMBING				
D2010	Domestic Water Distribution				
1886	Plumbing Fixtures	Note			
2072	P-1, Water Closet - Flush Valve - Wall Mounted	EA	10.00	1,640.50	16,405
2073	P-1A, Water Closet - Flush Valve - Wall Mounted, accessible	EA	4.00	1,785.30	7,141

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2074	P-2, Urinal - Wall Hung	EA	4.00	1,544.00	6,176
2075	P-2A, Urinal - Wall Hung, accessible	EA	2.00	1,640.50	3,281
2076	P-3A, Lavatory - Rectangular - Wall Mounted 19X17	EA	8.00	1,399.30	11,194
2079	P-4, Mop Receptor	EA	2.00	1,544.00	3,088
2081	P-5A, Drinking Fountain - Bi-Level - Wall Mounted	EA	1.00	3,667.00	3,667
1146	Triple sink - (Concessions building)	EA	1.00	2,413.00	2,413
1149	Hand sink - (Concessions building)	EA	2.00	1,351.00	2,702
1364	Water cooler- (Concessions building)	EA	1.00		Incl.
2096	Allowance for missing/ miscellaneous plumbing fixtures (Concessions building)	SF	1,284.00	1.90	2,478
447	Water Distribution and Components	Note			
2101	Connection to main(3")-(Concessions building)	EA	1.00	579.00	579
2104	Plumbing fixture- hook up(domestic water)	EA	35.00	386.00	13,510
2110	3", water meter and backflow preventer assembly - Concessions building (allowance)	EA	1.00	6,755.00	6,755
1140	EWB-7, Wall hung - storage type water heater(DSE-30), 30 Gal, 15 kW (Concessions building)	EA	1.00	9,264.00	9,264
2132	HWRP, Recirculation pump	EA	1.00	2,413.00	2,413
2133	ET, Expansion tank	EA	1.00	483.00	483
2134	Mixing valve(serving water heaters)	EA	1.00	483.00	483
2140	Housekeeping pad(to be carried elsewhere in this estimate)	Note			Excl.
2141	HB, Hose bib	EA	2.00	289.50	579
1101	WH, Wall Hydrant - Mild Climate	EA	1.00	1,689.00	1,689
465	Domestic water piping, copper L, 1" - ag	LF	130.13	28.90	3,767
1280	Domestic water piping, copper L, 4" - ag	LF	20.00	207.50	4,150
1173	Domestic water piping, copper K, 3" - bg	LF	24.00	120.60	2,895
1365	Thermal pipe insulation - 1/2" to 1" copper pipe	LF	130.13	6.30	816
1370	Thermal pipe insulation - 3" copper pipe	LF	24.00	19.30	463
1371	Thermal pipe insulation - 4" copper pipe	LF	20.11	24.10	485
2156	Water meter c/w bfp assembly- c/w service bypass hook up (3")	EA	1.00	4,343.00	4,343
2163	Electric water heater- hook up(medium)	EA	1.00	531.00	531
2167	Circulating pump - hook up	EA	1.00	724.00	724

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
2168	Expansion tank - hook up	EA	1.00	290.00	290
2169	Mixing valve - hook up	EA	1.00	483.00	483
1373	Hookup - plumbing	EA	3.00	627.30	1,882
2173	Allowance for missing/ miscellaneous domestic water system (Concessions building)	SF	1,284.00	1.90	2,478
2176	Subcontractor GCs/GRs	Item			8,685
	D2010 - Domestic Water Distribution			73.00/SF	126,292
D2020	Sanitary Drainage				
2177	Connection to main	EA	1.00	724.00	724
2178	Plumbing fixture - hook-ups(sanitary & vent)	EA	35.00	482.50	16,888
1152	Grease trap, 35 gpm (Concessions building)	EA	1.00	7,720.00	7,720
2480	Condensate pump (assumed one per each FCU and AC units)	EA	1.00	290.00	290
2194	FD, Floor drain	EA	3.00	434.30	1,303
2197	CO, Clean out	EA	3.00	337.70	1,013
2206	2", Sanitary piping c/w fittings - Ag	LF	10.02	38.60	387
2207	3", Sanitary piping c/w fittings - Ag	LF	20.05	43.40	870
2208	4", Sanitary piping c/w fittings - Ag	LF	20.02	48.30	966
2209	6", Sanitary piping c/w fittings - Ag	LF	13.00	57.90	753
2212	2", Sanitary piping c/w fittings - Bg	LF	6.30	38.60	243
2213	3", Sanitary piping c/w fittings - Bg	LF	15.28	43.50	664
2214	4", Sanitary piping c/w fittings - Bg	LF	45.94	48.30	2,217
2215	6", Sanitary piping c/w fittings - Bg	LF	20.02	57.90	1,159
2263	No excavation & backfill- assumed	Note			Excl.
2262	No cutting and patching assumed	Note			Excl.
1296	1-1/2" to 2", Vent c/w fittings, supports, etc, ag	LF	40.03	43.40	1,738
1304	1-1/2" to 2", Vent piping, bg	LF	10.01	48.30	483
2673	3", Vent piping, bg	LF	10.10	43.50	439
2235	Allowance for missing/ miscellaneous sanitary drainage system(Concessions building)	SF	1,284.00	1.90	2,478
2238	Subcontractor GCs/GRs	Item			1,930
	D2020 - Sanitary Drainage			24.43/SF	42,265

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
D2030	Building Support Plumbing Systems				
2254	No excavation & backfill- assumed	Note			Excl.
2255	No cutting and patching assumed	Note			Excl.
2258	Allowance for missing/ miscellaneous storm water drainage system(Concessions building)	SF	1,284.00	1.00	1,239
2261	Subcontractor GCs/GRs	Item			0
	D2030 - Building Support Plumbing Systems			0.72/SF	1,239
D2060	Process Support Plumbing Systems				
2527	Allowance for concession/restroom building gas system (assumed not required)	Note			Excl.
2316	Subcontractor GCs/GRs	Item			0
	D2060 - Process Support Plumbing Systems				0
	22 - PLUMBING			98.15/SF	169,796
23	HEATING, VENTILATING, AND AIR CONDITIONING				
D3020	Heat Systems				
1868	EUH-6, Electric unit heater, 5 kW - none indicated	EA	1.00		Excl.
2643	EUH-7, Electric unit heater, 6 kW	EA	2.00	2,026.50	4,053
	D3020 - Heat Systems			2.34/SF	4,053
D3030	Cooling Systems				
1673	LG HVAC equipments consisting of DX-split units, etc.	LS	1.00	15,440.00	15,440
1190	AC- 0-2 to 0-3, 0-6 to 0-8, 1-1 to 4, 1-7 to 9, 1-11 to 14, 2-1 to 6, 3-1 to 5, 4-1 to 5, CB-3 & LB-1, DX split system air conditioning unit 2 ton, 24 mbh cooling capacity c/w outdoor air-cooled condensing unit	EA	1.00		Incl.
1568	Refrigeration piping c/w fittings,supports, etc.	LF	100.00	43.40	4,343
1684	Allowance for refrigerant	Lb	40.00	24.10	965
1713	ERV - hook ups	EA	1.00	724.00	724
1975	AC units - hook ups	EA	1.00	483.00	483
2481	Allowance for missing/ miscellaneous	SF	1,284.02	0.40	496
	D3030 - Cooling Systems			12.98/SF	22,451
D3050	Facility HVAC Distribution Systems				
1147	ERV-5, Energy recovery ventilator, 1,545 cfm, c/w air-cooled VRF condensing unit, electric pre heat, etc.	EA	1.00	43,424.00	43,424

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1216	Galvanized duct work c/w fittings, supports, etc.	Lb	996.20	15.40	15,381
1217	Thermal insulation	SF	907.21	6.30	5,691
1218	A & A1, Diffusers (medium)	EA	5.00	193.00	965
1300	C/C1, Grilles (medium)	EA	5.00	144.80	724
1236	Louver	SF	7.00	82.00	574
1567	Allowance for miscellaneous/missing items	SF	1,284.00	0.30	372
	D3050 - Facility HVAC Distribution Systems			38.80/SF	67,131
D3070	Special Purpose HVAC Systems				
783	Testing, balancing and commissioning	SF	1,284.00	0.80	991
1560	General requirements: supervision, shop drawings, asbuilt, tags, markers, tools, rentals, BIM, cleaning, storage, material handling, seismic restraints, permits, fees etc.	Item			7,720
	D3070 - Special Purpose HVAC Systems			5.04/SF	8,711
	23 - HEATING, VENTILATING, AND AIR CONDITIONING			59.16/SF	102,346
26	ELECTRICAL				
D5020	Electrical Service and Distribution				
229	Distribution Concessions building	SF	1,284.00	113.90	146,206
	D5020 - Electrical Service and Distribution			84.51/SF	146,206
D5030	General Purpose Electrical Power				
1531	Rec power	EA	12.00	120.70	1,448
1532	Rec GFI	EA	2.00	313.50	627
	D5030 - General Purpose Electrical Power			1.20/SF	2,075
D5040	Lighting				
1526	Lighting Exits	EA	2.00	309.00	618
1527	Lighting type F1 - 4' long linear	EA	14.00	111.00	1,554
1732	Lighting conduit & wire	EA	16.00	178.50	2,856
	D5040 - Lighting			2.91/SF	5,028
D5080	Miscellaneous Electrical Systems				
2834	BIM	LS	1.00	9,650.00	9,650
	D5080 - Miscellaneous Electrical Systems			5.58/SF	9,650
	26 - ELECTRICAL			94.20/SF	162,959

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
27	COMMUNICATIONS				
D6030	Audio-Video Communication				
1741	Sound conduit & wire	EA	3.00	603.00	1,809
	D6030 - Audio-Video Communication			1.05/SF	1,809
	27 - COMMUNICATIONS			1.05/SF	1,809
28	ELECTRONIC SAFETY AND SECURITY				
D7010	Access Controls and Intrusion Detection				
1733	Security conduit & wire	EA	12.00	265.40	3,185
	D7010 - Access Controls and Intrusion Detection			1.84/SF	3,185
D7030	Electronic Surveillance				
1685	CCTV cameras rough in	EA	3.00	1,626.00	4,878
1778	Security conduit & wire	EA	3.00	723.70	2,171
	D7030 - Electronic Surveillance			4.07/SF	7,049
D7050	Detection and Alarm				
1630	Fire alarm annunciator	EA	1.00	9,505.00	9,505
1631	Fire alarm pull station	EA	3.00	627.30	1,882
1632	Fire alarm smoke detector	EA	2.00	313.50	627
1636	Fire alarm audio/visual alarm	EA	3.00	395.70	1,187
1640	Fire alarm flow and tamper switch	EA	4.00	540.50	2,162
1734	Fire alarm conduit & wire	EA	12.00	265.40	3,185
	D7050 - Detection and Alarm			10.72/SF	18,548
	28 - ELECTRONIC SAFETY AND SECURITY			16.64/SF	28,782
31	EARTHWORK				
A4010	Standard Slabs-on-Grade				
508	Excavation for slab on grade	CY	63.03		Incl.
509	Remove and dispose of excavated material	CY	63.03		Incl.
510	Prepare and compact sub-base	SF	1,074.58		Incl.
513	Re-use materials ILO Imported sand gravel fill - 12" thick	CY	39.82		Incl.
	A4010 - Standard Slabs-on-Grade				Incl.
A6010	Building Subdrainage				
619	Perimeter drain	LF	153.63		Incl.

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
686	Under-slab drainage system	SF	1,074.58		Incl.
	A6010 - Building Subdrainage				Incl.
A9010	Substructure Excavation				
591	Excavation for foundation footings including spoils removal	CY	143.67		Incl.
593	Prepare and compact foundation sub-base	SF	382.98		Incl.
594	Imported sand gravel fill below foundations - 12" thick	CY	14.20		Incl.
620	Imported foundation backfill	CY	87.16		Incl.
	A9010 - Substructure Excavation				Incl.
G1070	Site Earthwork				
2843	Sitework associated with Concessions Building	LS	1.00	115,000.00	115,000
	G1070 - Site Earthwork			66.47/SF	115,000
	31 - EARTHWORK			66.47/SF	115,000
32	EXTERIOR IMPROVEMENTS				
G2050	Athletic, Recreational, and Playfield Areas				
422	Stabilized stonedust	SF	176.00	2.90	510
	G2050 - Athletic, Recreational, and Playfield Areas			0.29/SF	510
G2060	Site Development				
1587	Concession table/bench	EA	4.00	4,053.00	16,212
	G2060 - Site Development			9.37/SF	16,212
	32 - EXTERIOR IMPROVEMENTS			9.67/SF	16,722
33	UTILITIES				
G3010	Water Utilities				
1383	Connection to building	EA	1.00		Incl.
1384	4", Ductile iron pipe	LF	243.18		Incl.
1448	Cleaning, testing, trace wiring etc.	LF	242.69		Incl.
569	Excavation and backfill (with site preparation)	LF	242.69		Incl.
2856	Provision for increase capacity	LS	1.00	24,124.00	24,124
	G3010 - Water Utilities			13.94/SF	24,124
G3020	Sanitary Sewerage Utilities				
1391	Connection to building sanitary service	EA	1.00		Incl.
1388	SMH, Sanitary manhole	EA	2.00		Incl.

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A4 Add Concessions/Toilet Building (continued)

GFAR: 1,730.00 SF Cost/SF: 750.68
Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1392	6",sanitary sewer, PVC	LF	300.56		Incl.
2318	Cleaning, testing, trace wiring etc.	LF	300.31		Incl.
577	Excavation and backfill (with site preparation)	LF	300.31		Incl.
2857	Provision for increase capacity	LS	1.00	28,949.00	28,949
	G3020 - Sanitary Sewerage Utilities			16.73/SF	28,949
	33 - UTILITIES			30.68/SF	53,073
	ADD CONCESSIONS/TOILET BUILDING			750.68/SF	1,298,676

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION SUMMARY

Rates Current At May 2023

Ref	Location	Total Cost USD
ALT90	Alternate - 90% Construction Documents	
A64	Add Irrigated Softball Field	732,698
ALT90 - Alternate - 90% Construction Documents		732,698
ESTIMATED NET COST		732,698
MARGINS & ADJUSTMENTS		
Design & Estimating Contingency		1.5 % 10,990
Escalation Allowance up to mid-point of Construction (3/2025)		3 % 22,311
Sub-contractor Bonds		1.2 % 9,192
CM Construction Contingency (per CM Pricing Exhibit 1)		2.5 % 19,380
CM Fee		15,891
ESTIMATED TOTAL COST		810,462

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



A64 Add Irrigated Softball Field

Rates Current At May 2023

Ref	Description	Total Cost USD
MARGINS & ADJUSTMENTS		
	Design & Estimating Contingency	10,990
	Escalation Allowance up to mid-point of Construction (3/2025)	22,311
	Sub-contractor Bonds	9,192
	CM Construction Contingency (per CM Pricing Exhibit 1)	19,380
	CM Fee	15,891
ESTIMATED TOTAL COST		810,462

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A64 Add Irrigated Softball Field

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
G2050	Athletic, Recreational, and Playfield Areas				
689	Reinforcement concrete pad	SF	1,242.16	27.00	33,563
	G2050 - Athletic, Recreational, and Playfield Areas				33,563
	03 - CONCRETE				33,563
11	EQUIPMENT				
G2050	Athletic, Recreational, and Playfield Areas				
684	Chainlink fence backstop	LF	60.22	337.70	20,339
429	Team bench	LF	60.15	91.70	5,515
726	Foul pole including footing	EA	2.00	6,755.00	13,510
704	Aluminum bleacher system - Baseball field, 50 person	LS	1.00	36,188.00	36,188
769	Exterior scoreboard baseball	EA	1.00	57,900.00	57,900
	G2050 - Athletic, Recreational, and Playfield Areas				133,452
	11 - EQUIPMENT				133,452
31	EARTHWORK				
G1070	Site Earthwork				
755	Excavate athletic fields	CY	5,971.63		Incl.
1826	Remove spoils from site (athletic fields)	CY	5,971.63		Incl.
2845	Sitework associated with Baseball Field (L305)	LS	1.00	60,000.00	60,000
	G1070 - Site Earthwork				60,000
G2050	Athletic, Recreational, and Playfield Areas				
757	Prepare and compact subbase	SF	109,981.69		Incl.
758	Granular base to athletic fields, re-use excavated materials	CY	2,983.30		Incl.
1574	Imported dense grade crushed stone	CY	2,983.38		Incl.
	G2050 - Athletic, Recreational, and Playfield Areas				Incl.
	31 - EARTHWORK				60,000
32	EXTERIOR IMPROVEMENTS				
G2050	Athletic, Recreational, and Playfield Areas				
388	Natural grass turf (Baseball Courts and Soccer Field)	SF	80,549.39	4.30	349,785
1522	Irrigation to natural grass turf	SF	80,549.39	1.60	132,141
2567	Repair existing irrigation affected by infiltration construction	SF	-80,549.20	1.00	-77,730

NORTHEAST METROPOLITAN REGIONAL
TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE -
REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A64 Add Irrigated Softball Field (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
391	Engineered infield mix (Baseball Courts)	SF	29,432.77	4.30	127,812
723	10'-0" High BVC chainlink fence	LF	36.15	154.40	5,582
693	6'-0" High BVC chainlink fence	LF	312.15	91.70	28,616
725	6'-0" High BVC chainlink fence single leaf gate	EA	2.00	434.50	869
724	10'-0" High BVC chainlink fence double leaf gate	EA	1.00	965.00	965
396	Electronic scoreboard - steel posts with concrete footing	EA	1.00	7,720.00	7,720
692	Overhead shade structure	SF	512.00	48.30	24,704
G2050 - Athletic, Recreational, and Playfield Areas					600,464
G2080	Landscaping				
2401	Seeding lawn prospect athletic fields	SF	-98,218.50	1.00	-94,781
G2080 - Landscaping					-94,781
32 - EXTERIOR IMPROVEMENTS					505,683
ADD IRRIGATED SOFTBALL FIELD					732,698

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION SUMMARY

Rates Current At May 2023

Ref	Location	Total Cost USD
ALT90	Alternate - 90% Construction Documents	
A65	Add Irrigated Softball/Multi-Purpose Field	1,070,923
ALT90 - Alternate - 90% Construction Documents		1,070,923
ESTIMATED NET COST		1,070,923
MARGINS & ADJUSTMENTS		
Design & Estimating Contingency		1.5 % 16,064
Escalation Allowance up to mid-point of Construction (3/2025)		3 % 32,610
Sub-contractor Bonds		1.2 % 13,435
CM Construction Contingency (per CM Pricing Exhibit 1)		2.5 % 28,326
CM Fee		23,227
ESTIMATED TOTAL COST		1,184,585

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS SUMMARY

ALT90 Alternate - 90% Construction Documents

A65 Add Irrigated Softball/Multi-Purpose Field

Rates Current At May 2023

Ref	Description	Total Cost USD
MARGINS & ADJUSTMENTS		
	Design & Estimating Contingency	16,064
	Escalation Allowance up to mid-point of Construction (3/2025)	32,610
	Sub-contractor Bonds	13,435
	CM Construction Contingency (per CM Pricing Exhibit 1)	28,326
	CM Fee	23,227
ESTIMATED TOTAL COST		1,184,585

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A65 Add Irrigated Softball/Multi-Purpose Field

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
03	CONCRETE				
G2050	Athletic, Recreational, and Playfield Areas				
689	Reinforcement concrete pad	SF	1,024.81	27.00	27,691
	G2050 - Athletic, Recreational, and Playfield Areas				27,691
	03 - CONCRETE				27,691
11	EQUIPMENT				
G2050	Athletic, Recreational, and Playfield Areas				
684	Chainlink fence backstop	LF	40.39	337.70	13,641
416	20'-0" high sports netting	LF	220.20	482.50	106,247
429	Team bench	LF	59.92	91.70	5,493
726	Foul pole including footing	EA	1.00	6,755.00	6,755
705	Aluminum bleacher system - Softball field, 50 person	LS	1.00	36,188.00	36,188
771	Exterior scoreboard softball	EA	1.00	57,900.00	57,900
	G2050 - Athletic, Recreational, and Playfield Areas				226,224
	11 - EQUIPMENT				226,224
31	EARTHWORK				
G1070	Site Earthwork				
755	Excavate athletic fields	CY	5,542.25		Incl.
1826	Remove spoils from site (athletic fields)	CY	5,542.25		Incl.
2846	Sitework associated with Softball and Soccer Field (L304)	LS	1.00	270,000.00	270,000
	G1070 - Site Earthwork				270,000
G2050	Athletic, Recreational, and Playfield Areas				
757	Prepare and compact subbase	SF	89,781.49		Incl.
758	Granular base to athletic fields, re-use excavated materials	CY	3,325.23		Incl.
1574	Imported dense grade crushed stone	CY	3,325.32		Incl.
	G2050 - Athletic, Recreational, and Playfield Areas				Incl.
	31 - EARTHWORK				270,000
32	EXTERIOR IMPROVEMENTS				
G2050	Athletic, Recreational, and Playfield Areas				
388	Natural grass turf (Baseball Courts and Soccer Field)	SF	89,781.61	4.30	389,876

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION DIVISIONS/ELEMENTS ITEM

ALT90 Alternate - 90% Construction Documents

A65 Add Irrigated Softball/Multi-Purpose Field (continued)

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
1522	Irrigation to natural grass turf	SF	89,781.61	1.60	147,287
693	6'-0" High BVC chainlink fence	LF	147.87	91.70	13,556
397	4'-0" High BVC chainlink fence	LF	1,050.80	57.90	60,841
398	4'-0" High BVC chainlink fence single leaf gate	EA	1.00	338.00	338
694	4'-0" High BVC chainlink fence double leaf gate	EA	1.00	676.00	676
396	Electronic scoreboard - steel posts with concrete footing	EA	1.00	7,720.00	7,720
692	Overhead shade structure	SF	512.00	48.30	24,704
2841	Miscellaneous base preparation and making good	SF	89,782.00		Incl.
	G2050 - Athletic, Recreational, and Playfield Areas				644,998
G2080	Landscaping				
2401	Seeding lawn prospect athletic fields	SF	-101,544.40	1.00	-97,990
	G2080 - Landscaping				-97,990
	32 - EXTERIOR IMPROVEMENTS				547,008
ADD IRRIGATED SOFTBALL/MULTI-PURPOSE FIELD					1,070,923

NORTHEAST METROPOLITAN REGIONAL TECHNICAL HIGH SCHOOL



90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2

LOCATION SUMMARY

Rates Current At May 2023

Ref	Location	Total Cost USD
ALT90	Alternate - 90% Construction Documents	
A73	Add Maintenance Building	2,157,740
	ALT90 - Alternate - 90% Construction Documents	2,157,740
ESTIMATED NET COST		2,157,740
MARGINS & ADJUSTMENTS		
Design & Estimating Contingency		1.5 % 32,366
Escalation Allowance up to mid-point of Construction (3/2025)		3 % 65,703
Sub-contractor Bonds		1.2 % 27,070
CM Construction Contingency (per CM Pricing Exhibit 1)		2.5 % 57,072
CM Fee		46,800
ESTIMATED TOTAL COST		2,386,751

90% CONSTRUCTION DOCUMENTS COST ESTIMATE - REVISION 2



A73 Add Maintenance Building

Rates Current At May 2023

Ref	Description	Unit	Qty	Rate USD	Total Cost USD
13	SPECIAL CONSTRUCTION				
F1020	Special Structures				
2858	Allowance for Maintenance Building enclosure, interior construction, services, etc.	SF	10,400.00	207.50	2,157,740
	F1020 - Special Structures				2,157,740
	13 - SPECIAL CONSTRUCTION				2,157,740
ADD MAINTENANCE BUILDING					2,157,740