DOWNES CONSTRUCTION COMPANY

Construction Document Estimate

November 08, 2024

GREENEVILLE ELEMENTARY

Project: Greeneville Elementary School - Norwich, CT
Architect: DRA | Drummey Rosane Anderson, Inc
State ID: 104-0119N
November 08, 2024

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DOWNES CONSTRUCTION COMPANY

GREENEVILLE ELEMENTARY SCHOOL

QUALIFICATIONS & ASSUMPTIONS

DATE: 11/8/2024

QUANTITIES, PRICING AND METHODOLOGY

- All quantifiable materials have been taken off where possible using industry standard methods.
- Any scope which is not quantifiable, is based on our extensive historical data, while taking into account project specific variables.
- The unit pricing included in the following estimate is based on today's fair market value which is then escalated on the Summary page. We utilize historical data, subcontractor and supplier input as well as third party consultants.

CD BUDGET

CD Estimate - Total Construction Cost	$68,998,974

ASSUMPTIONS AND CLARIFICATIONS

- The attached estimate is based on design documents by: Drummy Rosane Andersond and dated 10/25/24
- The assumed delivery method is: CM at Risk
- We assumed the project to be: Unoccupied
- The attached estimate assumes Start Date of March 1, 2025
- The attached estimate accounts for escalation through the construction start date, if construction does not start on time, include an additional 6% annual escalation per year.
- We assumed the project to be: Tax Exempt
- The estimate assumes the project to be: Prevailing Wage
- All FF&E is assumed to be by the Owner and therefore excluded.
- Premiums for non-standard work times have been excluded.
- Unforeseen conditions are excluded.
- All computer equipment, Servers & Network Switches are assumed to be by the Owner.
- All AV equipement is assumed to be by Owner.
- All phone systems are assumed to be by Owner.
- Builders Risk insurance is assumed to be by Owner.
- Quanities of site walls is based on Matrix established on sheet LM of 2024-10-24 Greeneville School - Wall Drawings
- Alternate #1 - Additional Bleachers ADD $50,959.00
- Site assumes blasting and rock processing on site

DOWNES CONSTRUCTION COMPANY

GREENEVILLE ELEMENTARY SCHOOL

CONSTRUCTION DOCUMENT BUDGET RECONCILIATION SUMMARY

Drawings Dated October 25, 2024

Reconciliation Date: November 8th, 2024

SPEC SECTION	DESCRIPTION	Downes Construction Square Footage 86,760		Tarbell Construction Management Square Footage 86,760		VARIANCE	Variance %
TRADE COSTS			$/sf		$/sf		
01 00 00	Project Requirements	$ 545,953	$ 6.29	$ 545,953	$ 6.29	$ 1	0.0%
01 74 00	Project Cleanliness	$ 389,346	$ 4.49	$ 389,346	$ 4.49	$ -	0.0%
01 60 00	Phasing Costs	N/A	$ -	$ -	$ -	$ -	0.0%
02 11 00	Contaminated Soil	See Allowance	$ -	$ -	$ -	$ -	0.0%
02 20 11	Hazardous Materials	N/A	$ -	$ -	$ -	$ -	0.0%
02 41 00	Building Demolition	N/A	$ -	$ -	$ -	$ -	0.0%
02 41 19	Selective Demolition	N/A	$ -	$ -	$ -	$ -	0.0%
03 30 00	Cast-in-Place Concrete	$ 1,931,011	$ 22.26	$ 1,850,751	$ 21.33	$ (80,260)	-4.2%
04 20 00	Masonry & Cast Stone	$ 3,195,871	$ 36.84	$ 3,098,854	$ 35.72	$ (97,017)	-3.0%
04 21 00	Terra Cotta Panel System	$ -	$ -	$ -	$ -	$ -	0.0%
05 00 00	Structural Steel	$ 3,563,249	$ 41.07	$ 3,908,417	$ 45.05	$ 345,168	9.7%
05 10 00	Miscellaneous Metals	$ 689,702	$ 7.95	$ 562,050	$ 6.48	$ (127,652)	-18.5%
06 00 00	Rough Carpentry	$ 289,660	$ 3.34	$ 318,666	$ 3.67	$ 29,006	10.0%
06 30 00	Finish Carpentry	$ 1,223,119	$ 14.10	$ 1,189,945	$ 13.72	$ (33,174)	-2.7%
07 00 00	Thermal & Moisture Protection	$ 1,204,204	$ 13.88	$ 971,402	$ 11.20	$ (232,802)	-19.3%
	ACM Panels	$ 653,447	$ 7.53	$ 641,960	$ 7.40	$ (11,487)	-1.8%
07 50 00	Roofing	$ 1,694,445	$ 19.53	$ 1,620,559	$ 18.68	$ (73,886)	-4.4%
07 84 00	Fireproofing & Joint Sealants	$ 198,159	$ 2.28	$ 150,217	$ 1.73	$ (47,942)	-24.2%
08 00 00	Doors, Frames & Hardware	$ 600,318	$ 6.92	$ 563,985	$ 6.50	$ (36,333)	-6.1%
08 30 00	Specialty and Overhead Doors	$ 32,428	$ 0.37	$ 30,000	$ 0.35	$ (2,428)	-7.5%
08 41 00	Storefront & Curtain Wall	$ 1,416,962	$ 16.33	$ 1,396,996	$ 16.10	$ (19,966)	-1.4%
09 00 00	Drywall & Framing	$ 3,759,244	$ 43.33	$ 3,615,529	$ 41.67	$ (143,715)	-3.8%
09 30 00	Tile	$ 583,179	$ 6.72	$ 562,042	$ 6.48	$ (21,137)	-3.6%
09 30 00	Carpet	$ 75,391	$ 0.87	$ 73,676	$ 0.85	$ (1,715)	-2.3%
09 51 00	Acoustical Ceiling Tile	$ 577,137	$ 6.65	$ 599,870	$ 6.91	$ 22,733	3.9%
09 65 00	Flooring	$ 796,584	$ 9.18	$ 1,012,982	$ 11.68	$ 216,398	27.2%
09 91 00	Painting	$ 392,804	$ 4.53	$ 394,815	$ 4.55	$ 2,011	0.5%
10 00 00	Misc. Specialties	$ 8,519	$ 0.10	$ 7,675	$ 0.09	$ (844)	-9.9%
10 11 00	Visual Display	$ 189,684	$ 2.19	$ 186,728	$ 2.15	$ (2,956)	-1.6%
10 14 00	Signage	$ 80,724	$ 0.93	$ 92,329	$ 1.06	$ 11,605	14.4%
10 21 13	Toilet Compartments	$ 36,070	$ 0.42	$ 32,800	$ 0.38	$ (3,270)	-9.1%
10 26 00	Wall & Door Protection	$ 10,857	$ 0.13	$ 46,697	$ 0.54	$ 35,840	330.1%
10 28 00	Toilet Accessories	$ 47,110	$ 0.54	$ 55,480	$ 0.64	$ 8,370	17.8%
10 51 00	Lockers	$ 94,843	$ 1.09	$ 96,230	$ 1.11	$ 1,387	1.5%
10 75 00	Flagpoles	$ 9,038	$ 0.10	$ 7,500	$ 0.09	$ (1,538)	-17.0%
11 40 00	Food Service Equipment	$ 635,845	$ 7.33	$ 635,845	$ 7.33	$ -	0.0%
11 90 00	Misc. Equipment	$ 288,493	$ 3.33	$ 259,120	$ 2.99	$ (29,373)	-10.2%
12 00 00	Furnishings	$ 103,303	$ 1.19	$ 95,805	$ 1.10	$ (7,498)	-7.3%
14 00 00	Elevators	$ 201,344	$ 2.32	$ 200,000	$ 2.31	$ (1,344)	-0.7%
21 00 00	Fire Suppression	$ 630,295	$ 7.26	$ 618,792	$ 7.13	$ (11,503)	-1.8%
22 00 00	Plumbing	$ 2,282,918	$ 26.31	$ 2,337,833	$ 26.95	$ 54,916	2.4%
23 00 00	HVAC	$ 6,969,627	$ 80.33	$ 7,008,621	$ 80.78	$ 38,994	0.6%
26 00 00	Electrical, T/D, FA Security	$ 6,206,451	$ 71.54	$ 6,140,102	$ 70.77	$ (66,349)	-1.1%
31 00 00	Sitework	$ 17,880,338	$ 206.09	$ 16,163,399	$ 186.30	$ (1,716,939)	-9.6%
ALLOWANCES							
A1	Temporary Utility Consumption	$ 250,000	$ 2.88	$ 250,000	$ 2.88	$ -	0.0%
A2	Temporary Enviornmental Controls	$ 250,000	$ 2.88	$ 250,000	$ 2.88	$ -	0.0%
A3	Contaminated Soil	$ 30,000	$ 0.35	$ 30,000	$ 0.35	$ -	0.0%
A4	Site Retaining Walls 30% Cast-in-place, 30% Block and 40% Open face	$ -		Included Above			
A5	TRADE ALLOWANCES	$ 210,000	$ 2.42	$ **210,000**	$ 2.42	$ -	0.0%
A6	GMP ALLOWANCES	$ 215,000	$ 2.48	$ **215,000**	$ 2.48	$ -	0.0%
	TOTAL TRADE COST	**$ 60,442,670**	**$ 696.67**	**$ 58,437,971**	**$ 673.56**	**$ (2,004,699)**	-3.3%
INDIRECT CONSTRUCTION COSTS							
2.5%	Design & Estimating Contingency	$ 1,511,067	$ 17.42	$ 1,426,942	$ 16.45	$ (84,125)	-5.6%
2.0%	Escalation	$ 1,239,075	$ 14.28	$ 702,055	$ 8.09	$ (537,020)	-43.3%
	Staffing based on RFP	$ 1,448,037	$ 16.69	$ 1,679,655	$ 19.36	$ 231,618	16.0%
	Additional staffing based $/month (3months)	$ 231,618	$ 2.67	w/above	$ -	$ -	0.0%
	General Requirments	$ 410,474	$ 4.73	$ 405,016	$ 4.67	$ (5,458)	-1.3%
	PreConstruction	with soft costs		with soft costs	$ -	$ -	0.0%
0.70%	General Liability Insurance	$ 456,981	$ 5.27	$ 456,531	$ 5.26	$ (450)	-0.1%
	Builder's Risk Insurance	By Owner		$ -	$ -	$ -	0.0%
NIC	Local Building Permit	Waived		Waived	$ -	$ -	0.0%
0.026%	State Education Fund	$ 17,092	$ 0.20	$ 16,204	$ 0.19	$ (888)	-5.2%
0.7%	CM Payment & Performance Bond	$ 437,942	$ 5.05	$ 431,483	$ 4.97	$ (6,459)	-1.5%
3.0%	Construction Contingency	$ 1,985,849	$ 22.89	$ 1,776,200	$ 20.47	$ (209,649)	-10.6%
1.20%	CM Fee	$ 818,170	$ 9.43	$ 768,228	$ 8.85	$ (49,942)	-6.1%
	TOTAL CONSTRUCTION COST	**$ 68,998,974**	**$ 795.29**	**$ 66,100,285**	**$ 761.88**	**$ (2,898,689)**	-4.2%

DOWNES CONSTRUCTION COMPANY

GREENEVILLE ELEMENTARY SCHOOL

CONSTRUCTION DOCUMENTS
Drawings Dated: 10/25/2024
Estimate Date: 11/08/2024

GENERAL SUMMARY

SPEC SECTION	DESCRIPTION	Construction Documents 88,339 sf	COST / SF
TRADE COSTS			
01 00 00	Project Requirements	$ **545,953**	6.18
01 74 00	Project Cleanliness	$ **389,346**	4.41
01 60 00	Phasing Costs	**N/A**	-
02 11 00	Contaminated Soil	**See Allowance**	-
02 20 11	Hazardous Materials	**N/A**	-
02 41 00	Building Demolition	**N/A**	-
02 41 19	Selective Demolition	**N/A**	-
03 30 00	Cast-in-Place Concrete	$ **1,931,011**	21.86
04 20 00	Masonry & Cast Stone	$ **3,195,871**	36.18
04 21 00	Terra Cotta Panel System	$ **-**	-
05 00 00	Structural Steel	$ **3,563,249**	40.34
05 10 00	Miscellaneous Metals	$ **689,702**	7.81
06 00 00	Rough Carpentry	$ **289,660**	3.28
06 30 00	Finish Carpentry	$ **1,223,119**	13.85
07 00 00	Thermal & Moisture Protection	$ **1,204,204**	13.63
07 00 00	ACM Panels	$ **653,447**	7.40
07 50 00	Roofing	$ **1,694,445**	19.18
07 84 00	Fireproofing & Joint Sealants	$ **198,159**	2.24
08 00 00	Doors, Frames & Hardware	$ **600,318**	6.80
08 30 00	Specialty and Overhead Doors	$ **32,428**	0.37
08 41 00	Storefront & Curtain Wall	$ **1,416,962**	16.04
09 00 00	Drywall & Framing	$ **3,759,244**	42.55
09 30 00	Ceramic Tile	$ **583,179**	6.60
09 30 00	Carpet	$ **75,391**	0.85
09 51 00	Acoustical Ceiling Tile	$ **577,137**	6.53
09 65 00	Flooring	$ **796,584**	9.02
09 91 00	Painting	$ **392,804**	4.45
10 00 00	Misc. Specialties	$ **8,519**	0.10
10 11 00	Visual Display	$ **189,684**	2.15
10 14 00	Signage	$ **80,724**	0.91
10 21 13	Toilet Compartments	$ **36,070**	0.41
10 26 00	Wall & Door Protection	$ **10,857**	0.12
10 28 00	Toilet Accessories	$ **47,110**	0.53
10 51 00	Lockers	$ **94,843**	1.07
10 75 00	FlagPoles	$ **9,038**	0.10
11 40 00	Food Service Equipment	$ **635,845**	7.20
11 90 00	Misc. Equipment	$ **288,493**	3.27
12 00 00	Furnishings	$ **103,303**	1.17
14 00 00	Elevators	$ **201,344**	2.28
21 00 00	Fire Suppression	$ **630,295**	7.13
22 00 00	Plumbing	$ **2,282,918**	25.84
23 00 00	HVAC	$ **6,969,627**	78.90
26 00 00	Electrical, T/D, FA Security	$ **6,206,451**	70.26
31 00 00	Sitework	$ **17,880,338**	202.41
ALLOWANCES			
A1	Temporary Utility Consumption	$ **250,000**	2.83
A2	Temporary Enviornmental Controls	$ **250,000**	2.83
A3	Contaminated Soil	$ **30,000**	0.34
A4	Site Retaining Walls 30% Cast-in-place, 30% Block and 40% Open face	$ **-**	-
A5	TRADE ALLOWANCES		-
A5	Unforeseen Demolition/Abatement	$ 15,000	0.17
A5	Site Maintance	$ 50,000	0.57

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CONSTRUCTION DOCUMENTS

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SPEC SECTION	DESCRIPTION	Construction Documents 88,339 sf	COST / SF
A5	Additional Surveying	$ 10,000	0.11
A5	Misc Concrete	$ 25,000	0.28
A5	Masonry Patch and Repair	$ 15,000	0.17
A5	Unforeseen Carpentry & General Trades	$ 20,000	0.23
A5	Paint Touch-up & Repair	$ 20,000	0.23
A5	Ceiling removal and replacement	$ 10,000	0.11
A5	Unforseen Firestopping	$ 10,000	0.11
A5	Elevator Operator	$ 20,000	0.23
A5	Unforseen Floorconditions/Transitions/Exp	$ 15,000	0.17
A5	GMP ALLOWANCES		-
A6	Storm/Ground Water Management	$ 30,000	0.34
A7	Supplemental Steel	$ 15,000	0.17
A8	Safety and Temp Protection	$ 30,000	0.34
A9	Unforseen Winter Conditions	$ 40,000	0.45
A10	Unknown Site Conditions/Coordination/Ro	$ 100,000	1.13
A10			-
	TOTAL TRADE COST	**$ 60,442,670**	684.21
	INDIRECT CONSTRUCTION COSTS		
2.5%	Design & Estimating Contingency	**$ 1,511,067**	17.11
2.00%	Escalation	**$ 1,239,075**	14.03
	Staffing based on RFP	**$1,448,037**	16.39
	Additional staffing based $/month (3months)	**$ 231,618**	2.62
	General Requirments	**$ 410,474**	4.65
	PreConstruction	**with soft costs**	-
0.70%	General Liability Insurance	**$ 456,981**	5.17
	Builder's Risk Insurance	**By Owner**	-
NIC	Local Building Permit ASSUMED WAIVED	**Waived**	-
0.026%	State Education Fund	**$ 17,092**	0.19
0.67%	CM Payment & Performance Bond	**$ 437,942**	4.96
3.0%	Construction Contingency	**$ 1,985,849**	22.48
1.20%	CM Fee	**$ 818,170**	9.26
	TOTAL CONSTRUCTION COST	**$ 68,998,974**	**$781 /sf**

SOFT COSTS		
Land Acquisition Cost		$ -
Design Fees	**$ 2,951,880**	$ 33
OPM	**$ 1,066,111**	$ 12
FF&E	**$ 1,250,000**	$ 14
Technology	**$ 400,000**	$ 5
Geotechnical		$ -
Independent Material Testing	**$ 135,000**	$ 2
Commissioning Services	**$ 93,530**	$ 1
3rd Party Code Review	**$ 20,000**	$ 0
Structural Peer Review	**$ 8,500**	$ 0
Building Equipment / AV Systems		$ -
Printing, Advertising		$ -
Relocation / Moving	**$ 100,000**	$ 1
Utility Company Costs	**$ 223,125**	$ 3
Builders Risk	**$ 85,000**	$ 1
Owner's Legal Fees	**$ 2,643**	$ 0
Bond Costs	**$ 158,428**	$ 2
Admin. Costs / Owner's Expenses Enrollment Update	**$ 3,500**	$ 0

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GREENEVILLE ELEMENTARY SCHOOL

CONSTRUCTION DOCUMENTS

Drawings Dated: 10/25/2024

Estimate Date: 11/08/2024

GENERAL SUMMARY

SPEC SECTION	DESCRIPTION	Construction Documents 88,339 sf	COST / SF
	CM Precon	$ 160,770	$ 2
	Owner Contingency Soft/Hard	$ 3,782,873	$ 43
	OWNER SOFT COSTS	**$ 10,441,360**	**$118 /sf**
	TOTAL PROJECT COST W/ COST MANAGEMENT	**$ 79,440,334**	**$899 /sf**
	APPROVED FUNDING	**$ 78,909,975**	
	OVER / (UNDER)	**$ 530,359**	

DOWNES CONSTRUCTION COMPANY

GREENEVILLE ELEMENTARY SCHOOL

Drawings Dated: 10/25/2024

Estimate Date: 11/08/2024

Reconciled Date 11/8/24

Construction Document
ESTIMATE DETAIL

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
01 50 00 - PROJECT REQUIREMENTS					
				TOTAL PROJECT REQ'S	$ 545,953
01 74 00 - PROJECT CLEANLINESS					
				TOTAL CLEANING	$ 389,346
01 60 00 - PHASING COSTS					
TEMPORARY CLASSROOMS - not anticipated at this time					
				TOTAL PHASING	$ -
02 11 00 - CONTAMINATED SOIL					
CONTAMINATED SOIL					
Contaminated Soil - transportation and disposal (SEE ALLOWANCE)		ls		ee allowance	
				TOTAL CONTAMINATED SOIL	$ -
02 80 00 - HAZARDOUS ABATEMENT					
none anticipated		sf			
				TOTAL HAZARDOUS ABATEMENT	$ -
02 40 10 - BUILDING DEMOLITION					
none required		sf			
				TOTAL BUILDING DEMOLITION	$ -
02 41 19 - SELECTIVE DEMOLITION					
				TOTAL SELECTIVE DEMO	$ -
03 30 00 - CAST-IN-PLACE CONCRETE					
FOOTINGS, PIERS, & WALLS					
Spread Footings - (form, place, strip & reinforce)	268	cyd	$ 1,113.70	$ 298,472	
Concrete: Isolated Footing - F3.0 (3'-0"x3'-0"x1'-4")	3	ea		in Above	
Concrete: Isolated Footing - F3.5 (3'-6"x3'-6"x1'-4")	3	ea		in Above	
Concrete: Isolated Footing - F4.0 (4'-0"x4'-0"x1'-4")	16	ea		in Above	
Concrete: Isolated Footing - F5.0 (5'-0"x5'-0"x1'-4")	15	ea		in Above	
Concrete: Isolated Footing - F6.0 (6'-0"x6'-0"x1'-8")	11	ea		in Above	
Concrete: Isolated Footing - F7.0 (7'-0"x7'-0"x1'-9")	14	ea		in Above	
Concrete: Isolated Footing - F8.0 (8'-0"x8'-0"x2'-0")	6	ea		in Above	
Concrete: Isolated Footing - F9.0 (9'-0"x9'-0"x2'-2")	1	ea		in Above	
Concrete: Isolated Footing - F10.0 (10'-0"x10'-0"x2'-4")	1	ea		in Above	
Concrete: Isolated Footing - F4.5 (4'-6"x4'-6"x1'-4")	7	ea		in Above	
Concrete: Isolated Footing - F5.5 (5'-6"x5'-6"x1'-4")	10	ea		in Above	
Concrete: Isolated Footing - F6.5 (6'-6"x6'-6"x1'-8")	6	ea		in Above	
Concrete: Isolated Footing - F7.5 (7'-6"x7'-6"x1'-10")	6	ea		in Above	
Concrete: Isolated Footing - F8.5 (8'-6"x8'-6"x2'-0")	5	ea		in Above	
Concrete: Isolated Footing - F100 (5'-0"x8'-0"x1'-8")	4	ea		in Above	
Concrete: Isolated Footing - F5.0 (5'-0"x5'-0"x1'-4") at Gym	19	ea		in Above	
Formwork	4,630	sf		in Above	
Concrete Materials (+5% Waste)	281	cyd		in Above	
Pour Footings	268	cyd		in Above	
Rebar	10.72	tons		in Above	
Install anchor bolts (assumed 4/plate)	508	ea		in Above	
Set & grout base plates	127	ea		in Above	
Continuous Footing - Exterior (form, place, & strip & reinforce)	160	cyd	$ 817.44	$ 130,790	
Concrete: Strip Footing - Exterior (2'-8"w x 12"dp) at Gym	373	lf		in Above	
Concrete: Strip Footing - Exterior (2'-6"w x 12"dp)	291	lf		in Above	
Concrete: Strip Footing - Exterior (2'-4"w x 12"dp)	764	lf		in Above	
Formwork	3,224	sf		in Above	
Keyway	1,428	lf		in Above	
Concrete Materials (+5% Waste)	160	cyd		in Above	
Pour Footings	152	cyd		in Above	
Rebar	6.08	tons		in Above	
Continuous Footing - Interior (form, place, & strip & reinforce)	48	cyd	$ 817.44	$ 39,237	
Concrete: Strip Footing - Interior (2'-0"w x 12"dp)	182	lf		in Above	
Concrete: Strip Footing - Interior (3'-0"w x 12"dp)	199	lf		in Above	
Concrete: Strip Footing - Exterior (4'-3"w x 12"dp)	112	lf		in Above	
Concrete: Strip Footing - Interior (2'-0"w x 12"dp) at Gym	66	lf		in Above	

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Drawings Dated: 10/25/2024

Estimate Date: 11/08/2024

Reconciled Date 11/8/24

Construction Document
ESTIMATE DETAIL

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
Formwork	894	sf		in Above	
Keyway	559	lf		in Above	
Concrete Materials (+5% Waste)	42	cyd		in Above	
Pour Footings	40	cyd		in Above	
Rebar	1.60	tons		in Above	
Pilasters & Piers	34	cyd	$ 1,384.02	$ 47,057	
Concrete: Pilasters/Piers - P1W (20"x20")	44	ea		in Above	
Concrete: Pilasters/Piers - P1W (20"x20")	9	ea		in Above	
Concrete: Pilasters/Piers - P3 (28"x28")	3	ea		in Above	
Concrete: Pilasters/Piers - P1W (24"x24") at Ramp/Loading Dock	2	ea		in Above	
Concrete: Pilasters/Piers - P1W (20"x20") at Gym	22	ea		in Above	
Concrete: Pilasters/Piers - P2W (24"x24") at Gym	10	ea		in Above	
Formwork	2,084	sf		in Above	
Concrete Materials (+5% Waste)	36	cyd		in Above	
Pour Pilasters/Piers	34	cyd		in Above	
Rebar	1.36	tons		in Above	
Walls (Interior & Exterior) (Form, Place, & Strip)	254	cy	$ 1,178.14	$ 299,247	
Concrete: Exterior Walls (0'-4') w/8"x8" Brickshelf	1,049	lf		in Above	
Concrete: Exterior Walls (4'-8') w/8"x8" Brickshelf	121	lf		in Above	
Concrete: Exterior Walls (0'-4') w/8"x8" Brickshelf at Gym	375	lf		in Above	
Concrete: Interior Walls at Masonry (0'-4') at Gym	61	lf		in Above	
Formwork	10,367	sf		in Above	
Formwork - Brickshelf	2,055	sf		in Above	
Concrete Materials (+5% Waste)	267	cyd		in Above	
Pour Walls	254	cyd		in Above	
Rebar	10.16	tons		in Above	
Elevator Pit (formwork, concrete & rebar)	15	cyd	$ 1,198.18	$ 17,973	
Concrete: Elevator Pit - Structural Slab (12")	1	ea		in Above	
Concrete: Elevator Pit - Walls (4'-8')	40	lf		in Above	
Edge-Form (12")	40	sf		in Above	
Keyway	40	lf		in Above	
Concrete materials - 4,500 psi (+5% Waste)	16	cyd		in Above	
Pour & Finish Elevator Pit Structural Mat (F3)	7	cyd		in Above	
Pour Elevator Pit Walls	8	cyd		in Above	
Formwork (4'-8')	398	sf		in Above	
Formwork - Slabshelf	40	lf		in Above	
Pump walls & footings	15	cyd		in Above	
Reinforcement	0.60	tons		in Above	
Install waterstop	40	lf		in Above	
Radon Pit (formwork, concrete & rebar)	2	ea	$ 1,198.18	$ 2,396	
Loading Dock & Entrance Vestibule- Footings	22	cyd	$ 909.71	$ 20,014	
Concrete: Isolated Footing - F3.0 (3'-0"x3'-0"x1'-4") at Ramp/Loading Dock	2	ea		in Above	
Concrete: Strip Footing - Exterior (4'-3"w x 12"dp)	94	lf		in Above	
Concrete: Strip Footing - Exterior (4'-9"w x 12"dp)	40	lf		in Above	
Formwork	268	sf		in Above	
Keyway	134	lf		in Above	
Concrete Materials (+5% Waste)	23	cyd		in Above	
Pour Loading Dock Footings	22	cyd		in Above	
Rebar	0.88	tons		in Above	
Loading Dock - Walls & P1W Pilasters(12"w & 16"w)	41	cyd	$ 1,380.30	$ 56,592	
Concrete: Exterior Walls (4'-8') at Loading Dock/Ramp	110	lf		in Above	
Concrete: Exterior Walls (0'-4') at Loading Dock/Ramp	44	lf		in Above	
Formwork (0'-4')	478	sf		in Above	
Formwork (4'-8)	1,544	sf		in Above	
Formwork - Pilasters (P1W)	80	sf		in Above	
Concrete Materials (+5% Waste)	44	cyd		in Above	
Pour Loading Dock Walls (0'-8') & Pilasters	42	cyd		in Above	
Rebar	1.68	tons		in Above	
Loading Dock - Ramp/Stairs	620	sf	$ 17.13	$ 10,618	
Concrete: Loading Dock/Ramp Stair Slab (6")	22	sf		in Above	
Concrete: Loading Dock/Ramp Slab (6")	598	sf		in Above	
Riser Form at Stair	20	lf		in Above	
Place & Finish Ramp/Stairs	620	sf		in Above	
Concrete materials - 4,500 psi (+5% Waste)	13	cyd		in Above	
WWM (6x6-2.9/2.9)	744	sf		in Above	
Rebar	0.50	tons		in Above	
SLAB ON GRADE				in Above	
Slab on Grade (F1) at Level 1 - Material & Labor (4")	38,412	sf	$ 9.48	$ 364,123	
Slab on Grade (F1) at Level 3 Gym - Material & Labor (4")	7,492	sf	$ 9.48	$ 71,020	
Slab on Grade (F2) at Entrance Slabs - Material & Labor (6")	570	sf	$ 12.43	$ 7,086	
Concrete materials - 4,000 psi (+5% Waste)	610	cyd		in Above	

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
Form slab haunches (Frostwalls) at Entrance Slabs	840	sf		in Above	
Moisture reducing agent (Not at F2)	566	cyd		in Above	
Place & Finish	46,474	sf		in Above	
Reinforcement (+20%) - WWM 6x6 - 2.9/2.9 (+20%)	55,769	sf		in Above	
Vapor Barrier (+20%) - 10 mil	55,769	sf		in Above	
Edge Forms at Slab Depressions	60	lf		in Above	
Perimeter joints	1,960	lf		in Above	
Control joints	5,710	lf		in Above	
Pump Slab on Grade Areas	5	days		in Above	
SLAB ON DECK				in Above	
Slab on Deck (4-1/2") at Level 2, 3 & Bridge (S1) - Material & Labor	40,484	sf	$ 10.62	$ 429,900	
Slab on Deck (5") at Rooftop Equipment (S2) - Material & Labor	2,624	sf	$ 10.72	$ 28,136	
Concrete material - 4-1/2" & 5" thick (+5% Waste)	704	cyd		in Above	
Moisture reducing agent	704	cyd		in Above	
Place & Finish	43,108	sf		in Above	
Reinforcement (+20%) - WWM 6x6 - 1.4/1.4 (+20%)	51,730	sf		in Above	
Perimeter joints	3,020	lf		in Above	
Control joints	3,430	lf		in Above	
Pump Slab on Deck Areas	6	days		in Above	
STAIRS - FLATWORK				in Above	
Stair Pans & Landings	1,200	sf	$ 40.40	$ 48,485	
Concrete Landing Step at Stair #5	42	sf	$ 10.72	$ 450	
Stairs - Exterior - See Loading Dock		ls		in Above	
SITE CONCRETE				in Sitework	
Slab on Grade (F2) at Entrance Slabs - Material & Labor (6")	644	sf	$ 12.43	cluded above	
Entrance Slab (F2) at Loading Dock Ramp Entrance	17	cyd		in Above	
Form slab haunches (Frostwalls) at Entrance Slabs	220	sf		in Above	
MISCELLANEOUS				in Above	
Pump Foundation	20	days	$ 1,206.99	$ 24,140	
Pump Slabs	10	days	$ 1,206.99	$ 12,070	
Pump Retaining Walls	5	days		in Sitework	
Rigid Insulation - 2" (at Foundation Walls)	4,640	sf	$ 3.11	In Div 7	
Rigid Insulation - 2" (at Slab Perimeter - 24")	3,090	sf	$ 3.11	In Div 7	
Rubbed Finish at Exposed Concrete Foundation Walls	280	sf	$ 20.72	$ 5,802	
Rubbed Finish at Exposed Concrete Retaining Walls		sf		in Sitework	
Concrete Pads for Interior MEP Equipment	420	sf	$ 20.72	$ 8,702	
Concrete Locker Bases at Corridors	300	sf	$ 20.72	$ 6,216	
Edge form depressed slabs	300	lf	$ 8.29	$ 2,486	
Temp heat for concrete work	-	winter	$ 15,000.00	$ -	
Phasing Coordination	-	ea		N / A	
				TOTAL CIP CONCRETE	**$ 1,931,011**
04 20 00 - MASONRY & CAST STONE					
MASONRY WALLS					
Masonry: Partition - (Type C8.1) 1Hr. at Elevator Shaft	1,615	sf	$ 37.30	$ 60,240	
Masonry: Partition - (Type C8.1) 1Hr. at Stairs #1 & #2	1,143	sf	$ 36.26	$ 41,445	
Masonry: Partition - (Type C8) Non-Rated at Stairs #1 & #2	794	sf	$ 36.26	$ 28,790	
Masonry: Partition - (Type C8) Non-Rated at Mechanical & Electrical Rooms (	2,555	sf	$ 36.26	$ 92,644	
Masonry: Exterior Walls (W4) - CMU (12") at Main Building Mechanical Areas	1,667	sf	$ 47.66	$ 79,443	
Masonry: Interior Masonry Veneer - 4" (W1C & W1D) at Stairwells	8,665	sf	$ 29.01	$ 251,354	
Masonry: Shear Walls (W4A) - CMU (12") at Gym	4,129	sf	$ 47.67	$ 196,829	
Brick Veneer at Retaining Wall 1C	906	sf	$ 47.66	$ 43,176	
Bluestone Cap (1'7"w x 3"thk) at Retaining Wall 1C	300	sf	$ 67.34	$ 20,202	
Brick Veneer - at Main Building	42,622	sf	$ 49.73	$ 2,119,507	
Brick Veneer - at Gym Building	6,203	sf	$ 49.73	In Above	
Brick Veneer - at Columns	150	sf	$ 53.87	$ 8,081	
Brick Veneer - Double Wythe at Loading Dock	986	sf	$ 49.73	$ 49,032	
Cast Stone window sill at Main Building	760	lf	$ 64.23	$ 48,816	
Cast Stone window sill at Gym	130	lf	$ 64.23	In Above	
Build-in & Set Welded Door Frames - Single	5	ea	$ 310.80	$ 1,554	
Build-in & Set Welded Door Frames - Double	15	ea	$ 621.60	$ 9,324	
Build-in & Set Steel Channel Frames at Overhead Doors	1	ea	$ 1,243.20	$ 1,243	
Build-in & Set Loose Lintels at CMU Door Openings	24	ea	$ 414.40	$ 9,946	
Build-in & Set Loose Lintels at Brick Veneer Window & Door Openings	230	ea	$ 310.80	$ 71,484	
Build-in CMU Clips & Angles	740	ea	$ 48.69	$ 36,032	
Firestopping at Exterior CMU Walls	740	lf	$ 20.72	$ 15,333	
Build-in & Set Elevator Shaft Frames	3	ea	$ 2,072.00	$ 6,216	
Build-in & Set Interior Loose Lintels at CMU Door Openings		lf			
MISCELLANEOUS GENERAL REQUIREMENTS					
Scaffolding & Staging	-	ls		In Above	
Expansion Joints	1	ls	$ 5,180.00	$ 5,180	

DOWNES CONSTRUCTION COMPANY

GREENEVILLE ELEMENTARY SCHOOL

Drawings Dated: 10/25/2024

Estimate Date: 11/08/2024

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Construction Document
ESTIMATE DETAIL

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
Phasing Coordination	-	ea			
				TOTAL UNIT MASONRY	$ 3,195,871
04 21 00 TERRA COTTA PANEL SYSTEM					
deleted by VE					
				TOTAL TERRA COTTA PANEL SYSTEM	$ -
05 12 00 - STRUCTURAL STEEL					
STRUCTURAL STEEL HSS COLUMNS (Original Schedules)	51.95	tons	$ 4,700.00	$ 244,165	
STRUCTURAL STEEL HSS COLUMNS Added)	10.87	tons	$ 4,700.00	$ 51,089	
Structural Steel: Columns (HSS 5x5x5/16) - (9'-0" at Roof Level)	36	lf		in Above	
Structural Steel: Columns (HSS 6x6x1/4) - (42'-6" - Level 1 to Level 3)	43	lf		in Above	
Structural Steel: Columns (HSS 6x6x3/16) - (42'-6" - Level 1 to Level 3)	43	lf		in Above	
Structural Steel: Columns (HSS 6x6x3/8) - (42'-6" - Level 1 to Level 3)	387	lf		in Above	
Structural Steel: Columns (HSS 6x6x3/8) - (14'-6" at Level 2&3)	30	lf		in Above	
Structural Steel: Columns (HSS 6x6x5/16) - (14'-6" at Level 1)	480	lf		in Above	
Structural Steel: Columns (HSS 6x6x5/16) - (28'-6" - Level 1 to Level 2)	261	lf		in Above	
Structural Steel: Columns (HSS 6x6x5/16) - (18'-6" at Level 1)	171	lf		in Above	
Structural Steel: Columns (HSS 6x6x5/16) - (42'-6" - Level 1 to Level 3)	473	lf		in Above	
Structural Steel: Columns (HSS 6x6x5/16) - (11'-10" at Level 2)	24	lf		in Above	
Structural Steel: Columns (HSS 6x6x5/16) - (14'-6" at Level 2&3)	75	lf		in Above	
Structural Steel: Stub Columns (HSS 6x6x5/16)	6	lf		in Above	
Structural Steel: Columns (HSS 6x6x1/2) - (42'-6" - Level 1 to Level 3)	688	lf		in Above	
Structural Steel: Columns (HSS 6x6x1/2) - (28'-6" - Level 1 to Level 2)	174	lf		in Above	
Structural Steel: Columns (HSS 6x6x1/2) - (16'-6" at Level 1)	17	lf		in Above	
Structural Steel: Columns (HSS 6x6x5/8) - (42'-6" - Level 1 to Level 3)	86	lf		in Above	
Structural Steel: Columns (HSS 6x6x5/8) - (28'-6" - Level 1 to Level 3)	29	lf		in Above	
Structural Steel: Columns (HSS 8x8x1/2) - (14'-6" at Level 1)	60	lf		in Above	
Structural Steel: Columns (HSS 12x12x3/8) - (28'-6" - Level 2 to Level 3)	290	lf		in Above	
Structural Steel Added Missing Column (HSS6x6x5/16)	164	lf		in Above	
Structural Steel Added Missing Column (HSS6x6x3/8)	155	lf		in Above	
Structural Steel Added Missing Column (HSS16x8x1/2)	80	lf		in Above	
Structural Steel Added Missing Column (HSS6x6x5/8)	43	lf		in Above	
Structural Steel Added Missing Column (HSS8x8x3/8)	42	lf		in Above	
Structural Steel Added Missing Column (HSS8x8x1/2)	86	lf		in Above	
Structural Steel: Verticle Supports (W10 x 45) at Bridge Connector	2.52	tons		in Above	
STRUCTURAL STEEL - BEAMS	318.29	tons	$ 4,700.00	$ 1,495,963	
Structural Steel: Beams (W21 x 44 w/40 Shear Studs) at Floor Framing	286	lf		in Above	
Structural Steel: Beams (W16 x 36 w/28 Shear Studs) at Floor Framing	560	lf		in Above	
Structural Steel: Beams (W18 x 35 - w/38 Shear Studs) at Floor Framing	2,788	lf		in Above	
Structural Steel: Beams (W24 x 55 -w/40 Shear Studs) at Floor Framing	388	lf		in Above	
Structural Steel: Beams (W21 x 50 w/34 Shear Studs) at Floor Framing	34	lf		in Above	
Structural Steel: Beams (W21 x 93 w/40 Shear Studs) at Floor Framing	40	lf		in Above	
Structural Steel: Beams (W24 x 62 -w/24 Shear Studs) at Floor Framing	98	lf		in Above	
Structural Steel: Beams (W14 x 22 w/18 Shear Studs) at Floor Framing	122	lf		in Above	
Structural Steel: Beams (W27 x 114 w/18 Shear Studs) at Floor Framing	56	lf		in Above	
Structural Steel: Beams (W12 x 16 w/8 Shear Studs) at Floor Framing	1,150	lf		in Above	
Structural Steel: Beams (W12 x 19 w/24 Shear Studs) at Floor Framing	252	lf		in Above	
Structural Steel: Beams (W16 x 26 w/18 Shear Studs) at Floor Framing	1,608	lf		in Above	
Structural Steel: Beams (W18 x 50 w/18 Shear Studs) at Floor Framing	121	lf		in Above	
Structural Steel: Beams (W18 x 40 - w/36 Shear Studs) at Floor Framing	331	lf		in Above	
Structural Steel: Beams (W24 x 68 -w/38 Shear Studs) at Floor Framing	64	lf		in Above	
Structural Steel: Beams (W10 x 15 w/6 Shear Studs) at Floor Framing	70	lf		in Above	
Structural Steel: Beams (W24 x 76 -w/38 Shear Studs) at Floor Framing	53	lf		in Above	
Structural Steel: Beams (W27 x 129 w/48 Shear Studs) at Floor Framing	46	lf		in Above	
Structural Steel: Beams (W18 x 71 w/28 Shear Studs) at Floor Framif Framing	28	lf		in Above	
Structural Steel: Beams (W14 x 43 w/18 Shear Studs) at Floor Framing	28	lf		in Above	
Structural Steel: Beams (W12 x 16 w/8 Shear Studs) at Floor Framing - Bridge	416	lf		in Above	
Structural Steel: Beams (W14 x 53 w/36 Shear Studs) at Floor Framing- Bridge	75	lf		in Above	
Structural Steel: Beams (W21 x 57 w/40 Shear Studs) at Floor Framing	75	lf		in Above	
Structural Steel: Beams (HSS 12"x6"x3/8")	146	lf		in Above	
Structural Steel: Beams (HSS 8"x6"x5/16")	142	lf		in Above	
Structural Steel: Beams (HSS 6"x3"x1/4")	25	lf		in Above	
Structural Steel: Beams (MC6x18) at High/Low Roofs	48	lf		in Above	
Structural Steel: Beams (C12 x 25) at Low Roof Framing	200	lf		in Above	
Structural Steel: Beams (W14 x 43) at Roof Framing	87	lf		in Above	
Structural Steel: Beams (W21 x 44) at Roof Framing	543	lf		in Above	
Structural Steel: Beams (W16 x 31) at Roof Framing	659	lf		in Above	
Structural Steel: Beams (W16 x 26) at Roof Framing	1,623	lf		in Above	

Drawings Dated: 10/25/2024
Estimate Date: 11/08/2024
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ESTIMATE DETAIL	Construction Documents					86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price		Subtotal	Total
Structural Steel: Beams (W18 x 40) at Roof Framing	396	lf			in Above	
Structural Steel: Beams (W24 x 55) at Roof Framing	80	lf			in Above	
Structural Steel: Beams (W12 x 14) at Roof Framing	1,260	lf			in Above	
Structural Steel: Beams (W12 x 35) at Roof Framing	36	lf			in Above	
Structural Steel: Beams (W10 x 12) at Roof Framing	141	lf			in Above	
Structural Steel: Beams (W14 x 22) at Roof Framing	1,446	lf			in Above	
Structural Steel: Beams (W18 x 35) at Roof Framing	2,366	lf			in Above	
Structural Steel: Beams (W16 x 36) at Roof Framing	615	lf			in Above	
Structural Steel: Beams (W18 x 46) at Roof Framing	25	lf			in Above	
Structural Steel: Beams (W12 x 58) at Roof Framing	27	lf			in Above	
Structural Steel: Beams (W18 x 76) at Roof Framing	61	lf			in Above	
Structural Steel: Beams (W24 x 117) at Roof Framing	81	lf			in Above	
Structural Steel: Beams (W10 x 17) at Roof Framing	40	lf			in Above	
Structural Steel: Beams (W10 x 22) at Roof Framing	24	lf			in Above	
Structural Steel: Beams (W12 x 16) at Roof Framing	102	lf			in Above	
Structural Steel: Beams (W21 x 57) at Roof Framing	100	lf			in Above	
Structural Steel: Beams (W14 x 53) at Roof Framing - Bridge	77	lf			in Above	
Structural Steel: Beams (W10 x 12) at Roof Framing - Bridge	48	lf			in Above	
Structural Steel: Beams (W12 x 14) at Roof Framing - Bridge	120	lf			in Above	
Structural Steel: Beams (W12 x 14) at Roof Framing - Gym	72	lf			in Above	
Structural Steel: Beams (W18 x 35) at Roof Framing - Gym	210	lf			in Above	
Structural Steel: Beams (W14 x 22) at Roof Framing - Gym	31	lf			in Above	
Structural Steel: Beams (W16 x 31) at Roof Framing - Gym	203	lf			in Above	
Structural Steel: Beams (W21 x 83) at Roof Framing - Gym	62	lf			in Above	
Structural Steel: Beams (W21 x 44) at Roof Framing - Gym	34	lf			in Above	
Structural Steel: Beams (W21 x 55) at Roof Framing - Gym	168	lf			in Above	
STRUCTURAL STEEL - LONG SPAN JOISTS (J1 - LH30)	17.21	tons	$	5,698.00	$ 98,063	
Bridging (3"x3"x3/4") for Longspan Joists	3.64	tons	$	5,698.00	$ 20,741	
BRACED FRAMES	25.26	tons	$	4,700.00	$ 118,722	
Structural Steel: Braced Frames (5" x 5" x 3/8")	269	lf			in Above	
Structural Steel: Braced Frames (5" x 5" x 1/2")	177	lf			in Above	
Structural Steel: Braced Frames (5" x 5" x 5/16")	997	lf			in Above	
Structural Steel: Girts (HSS 12" x 12" x 3/8") at Gym	352	lf			in Above	
MISC. BRACING						
Structural Steel: Continuous Angle (8"x8"x1/4") w/Bent Plate (1/4")	3.01	tons	$	5,698.00	$ 17,144	
Structural Steel: Continuous Angle (8"x8"x1/4") w/Bent Plate (1/4") at Gym	2.52	tons	$	5,698.00	$ 14,336	
Structural Steel: Roof Angles (L6x4x5/16") at Gym High Roof	9.51	tons	$	5,698.00	$ 54,196	
Structural Steel: Girts (HSS 12" x 12" x 3/8") at Gym	10.23	tons	$	5,698.00	$ 58,265	
Structural Steel: Roof Frames (L5" x 3-1/2" x 5/16") at Main Build Openings	6.39	tons	$	5,698.00	$ 36,410	
Structural Steel: Roof Frames (MC 6" x 18") at Main Build Openings	0.24	tons	$	5,698.00	$ 1,368	
Relieving Angles/Lintels @ 6' and 12' at Brick Veneer Window & Door Openings	18	tons	$	5,698.00	$ 104,330	
Entry Canopy Tube Steel Framing	6.16	tons	$	5,698.00	$ 35,100	
Structural Steel: Canopy Framing (L3-1/2 x 3-1/2 x 1/4")	548	lf			in Above	
Structural Steel: Canopy Framing - Outriggers (HSS 3-1/2" x 3-1/2" x 3/8")	223	lf			in Above	
Structural Steel: Canopy Framing (L3-1/2 x 3-1/2 x 1/4") at Gym	107	lf			in Above	
Structural Steel: Canopy Framing - Outriggers (HSS 3-1/2"x3-1/2"x3/8")-Gym	35	lf			in Above	
Support and bracing for additional steel dunnage	1	ls	$	20,720.00	$ 20,720	
CONNECTIONS						
Connections & Bridging	21.45	tons	$	5,698.00	$ 122,222	
Moment Connections	149	loc	$	1,243.20	$ 185,237	
Base Plates	127	ea	$	621.60	$ 78,943	
Anchor Rods	508	ea	$	31.08	$ 15,789	
Bearing Plates	37	ea	$	310.80	$ 11,500	
Anchor Bolts	74	ea	$	31.08	$ 2,300	
CMU clips & angles	740	ea	$	48.69	$ 36,032	
METAL DECKING						
Structural Steel: Metal Floor Deck (2" Deep - 20 Gauge)	51,420	sf	$	6.85	$ 352,227	
Structural Steel: Metal Wide Rib Roof Deck (1-1/2" Deep- 20 Gauge- Type B)	41,708	sf	$	4.55	$ 189,771	
Structural Steel: Metal Wide Rib Roof Deck (1-1/2" Deep-Type B) at Bridge	428	sf	$	4.55	$ 1,947	
Structural Steel: Metal Wide Rib Acoustic Roof Deck (2" Deep-Type B) at Gym	7,784	sf	$	13.70	$ 106,641	
Shear Studs (3/4" dia x 3-1/2"lg.)	8,690	ea	$	10.36	$ 90,028	
MISCELLANEOUS						
Crane / Rigging	1	ls			in Above	
Fire Watch	-	ls			N / A	
Phasing Coordination	-	ea			N / A	
					TOTAL STRUCTURAL STEEL	**$ 3,563,249**

05 50 00 - METAL FABRICATIONS

EXTERIOR						
Entrance Canopies w/Structural Posts & Roof Decking	1,430	sf	$	36.26	$ 51,852	
Mechanical Screening, Steel Frame & Post	-	lf			Deleted	

DOWNES CONSTRUCTION COMPANY

GREENEVILLE ELEMENTARY SCHOOL

Drawings Dated: 10/25/2024

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ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
Mechanical Screen Supports (6'x6"x5/16") w/Kickers@ 9' OC	-	ea		Deleted	
Bollards (Stainless Steel)	-	ea		Deleted	
Exterior Stair Hand Railing - galv	80	lf	$ 155.40	$ 12,432	
Exterior Stair & Ramp Guard Railing - galv	86	lf	$ 295.26	$ 25,392	
Exterior Ramp Guard Railing System - galv	70	lf	$ 155.40	$ 10,878	
Exterior Ramp Removable Guard Railing System - galv	30	lf	$ 310.80	$ 9,324	
Exterior Retaining Wall Guard Railing System - galv	-	lf		C - Excluded	
Roof Access Ladders	6	ea	$ 3,418.80	$ 20,513	
Lintels at Window & Doors (3'-12') at CMU Openings	896	lf	$ 30.00	$ 26,880	
INTERIOR					
Pan Stair #1 (Levels 1-3) w/Integral Mesh Guardrails	2	lvl	$ 34,006.70	$ 68,013	
Pan Stair #2 (Levels 1-3) w/Integral Mesh Guardrails	2	lvl	$ 34,006.70	$ 68,013	
Pan Stair #3 (Levels 1-2) Straight	1	lvl	$ 34,006.70	$ 34,007	
Pan Stair #4 (Levels 1-3) w/Integral Mesh Guardrails	2	lvl	$ 34,006.70	$ 68,013	
Pan Stair #5 Straight (Levels 1-2) w/Int. Guardrails	1	lvl	$ 34,006.70	$ 34,007	
Pan Stair Steps to Platform at Student Dining	1	ls	$ 8,288.00	Deleted	
Guardrail at Exterior Loading Dock Ramp & Stair	60	lf	$ 310.80	$ 18,648	
Exterior Wall Rail at Loading Dock Ramp & Stair	66	lf	$ 186.48	$ 12,308	
Exterior Wall Rail at Site Parking Area Stair	20	lf	$ 186.48	$ 3,730	
Decorative S.S. Picket Guardrail System at Stair #5	34	lf	$ 621.60	$ 21,134	
Stainless Mesh Guardrails at Stair Window Openings	44	lf	$ 621.60	$ 27,350	
Stainless Steel Floor Mounted (Two-Line) Handrail	10	lf	$ 414.40	$ 4,144	
Wall Rails at Pan Stairs #1 thru #5 (Stainless Steel)	335	lf	$ 207.20	$ 69,412	
Ornamental Guard Rails w/ Stainless Wire Mesh at Stair #3	60	lf	$ 601.66	$ 36,099	
Vertical ladder attached to wall per DRA for roof access revised from ships ladder	2	ea	$ 18,648.00	Not Shown	
Roof Ladders (Low to High Roofs)	6	ea	$ 4,662.00	$ 27,972	
Elevator Ladder	1	ea	$ 1,151.00	$ 1,151	
Elevator Pit Cover	1	ea	$ 313.91	$ 314	
Elevator Sill Angles	3	ea	$ 523.18	$ 1,570	
Elevator Hoist Beam	1	ea	$ 2,284.38	$ 2,284	
Channel Frame at Overhead Door	1	ea	$ 3,626.00	$ 3,626	
Lintels @ 3' -8' Openings	700	lf	$ 30.00	$ 21,000	
Overhead Basketball Backboard Supports at Gym	6	ea	$ 1,243.20	$ 7,459	
Overhead Toilet Partition Supports	7	ea	$ 310.80	$ 2,176	
MISCELLANEOUS					
Phasing Coordination	-	ea			
				TOTAL METAL FABRICATIONS	**$ 689,702**
06 10 00 - ROUGH CARPENTRY					
BLOCKING					
Exterior Window 1x & 2x Sills	2,200	lf	$ 15.54	$ 34,188	
Exterior Curtain Wall & Storefront (perimeter)	4,634	lf	$ 15.54	$ 72,012	
Roof Transition Blocking	1,030	sf	$ 12.43	$ 12,805	
Mechanical Curb Blocking	350	sf	$ 12.43	$ 4,351	
Parapet Blocking (4 pcs - Detail 1/A3-2-1)	2,400	sf	$ 24.86	$ 59,674	
Entrance Canopy Blocking	200	lf	$ 12.43	$ 2,486	
Roof Perimeter Wood Blocking (assume 3 pcs)				w/ Roofing	
Miscellaneous Roof Transitions, Skylight Blocking, etc.		lf		w/ Roofing	
Roof Curb Blocking		lf		w/ Roofing	
Misc. Interior Wall Blocking (20% of wall area)	10,000	sf	$ 3.14	$ 31,391	
TEMPORARY PROTECTIONS					
Temp Window plywood	1,500	sf	$ 10.36	$ 15,540	
Temp Window Poly	1,500	sf	$ 5.18	$ 7,770	
EQUIPMENT					
Lift Rental	1	ls	$ 5,180.00	$ 5,180	
Scoffold Stair Towers for Roof Access	1	ls	$ 20,720.00	$ 20,720	
SAFETY					
Wood Safety Rails, Plywood Covers, Etc	45,000	sf	$ 0.52	$ 23,543	
MISC.					
General Trades Primary Subcontractor GC's		ea			
Phasing Coordination		ea			
				TOTAL ROUGH CARPENTRY	**$ 289,660**
06 20 00 - FINISH CARPENTRY					
INTERIOR					
Casework / Millwork - Materials					
Cabinets - Base 24"	565	lf	$ 362.60	$ 204,869	
Cabinets - Upper 18"	558	lf	$ 233.10	$ 130,070	
Cabinets - Full height lockable	405	lf	$ 550.00	$ 222,750	
Casework - Bench PLAM	73	lf	$ 828.80	$ 60,502	

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
Casework - Bookshelves (5 shelves) PLAM	636	lf	$ 259.00	$ 164,724	
Casework - Trophy	1	ea	$ 2,072.00	$ 2,072	
Casework - Display	2	lf	$ 1,036.00	$ 2,072	
Casework - Reception Desks	39	lf	$ 1,243.20	$ 48,485	
Casework / Millwork - Labor					
Installation	0.0	hrs		w/ above	
Countertops & Worksurfaces - Materials					
Countertops 24" - Plam	634	lf	$ 103.60	$ 65,682	
Counterotps 24" - Epoxy Resin	22	lf	$ 155.40	$ 3,419	
Custom Desk w/ transaction shelf	56	lf	$ 129.50	$ 7,252	
Bench Top - Quartz	73	lf	$ 310.80	$ 22,688	
Countertops & Worksurfaces - Labor					
Installation	209	hrs	$ 124.32	$ 25,925	
Panels & Shelving - Materials					
Shelving -in instrument room	48	lf	$ 362.60	$ 17,405	
Cubbies	282	lf	$ 414.40	$ 116,861	
Panels & Shelving - Labor					
Installation	366.7	hrs	$ 124.32	$ 45,588	
Sills - Materials					
Window Sills - Solid Surface	654	lf	$ 103.60	$ 67,754	
Sills - Labor					
Installation	0	hrs		w/ above	
Miscellaneous					
Misc. Millwork Allw	1	ls	$ 15,000.00	$ 15,000	
* Chain of custody and certification for FSC is excluded				Excluded	
				TOTAL FINISH CARPENTRY	**$ 1,223,119**
07 10 00 - DAMP / WATERPROOFING					
DAMP / WATERPROOFING					
Elevator Pit	1	ea	$ 8,806.00	$ 8,806	
Exterior Foundation Dampproofing	6,910	sf	$ 5.00	$ 34,550	
Expansion joint int/ext	1	ls	$ 30,000.00	$ 30,000	
				TOTAL DAMP / WATERPROOFING	**$ 73,356**
07 21 00 - THERMAL INSULATION					
SPRAY FOAM					
Spray Foam Insulation	-	sf		C - Excluded	
LOOSE-FILL CELLULOSE					
Loose-Fill Cellulose Insulation (10") at Light Gauge Framing Areas	1	ls		NIC - Excluded	
RIGID					
Rigid Insulation - 2" Verticle at Conc Foundation (+10% Waste)	6,910	sf	$ 3.11	$ 21,476	
Rigid Insulation - 2" Horizontal at Conc Slab-on-Grade (+10% Waste)	50,391	sf	$ 3.11	$ 156,615	
Rigid Insulation - 3" at Brick Veneer (w/ Window Returns) - Redistrubuted from Brick Unit$	48,825	sf	$ 5.70	$ 278,205	
Rigid Insulation - 3" at ACM Panels	5,064	sf	$ 5.70	ACM Panels	
BATT					
Batt Insulation - In-wall Drywall Partitions	1	ls		w/ Gyp Drywall	
				TOTAL THERMAL INSULATION	**$ 456,296**
07 25 00 - AIR & VAPOR BARRIERS					
FLUID APPLIED					
Fluid Applied Air & Vapor Barriers at Brick Veneer (Redistributed from Brick Unit $)	48,825	sf	$ 8.29	$ 404,662	
Fluid Applied Air & Vapor Barriers at ACM Panels	5,064	sf	$ 8.29	$ 41,970	
				TOTAL AIR & VAPOR BARRIERS	**$ 446,632**
07 30 00 - SIDING					
TERRACOTTA PANELS					
Materials & Labor					
Terreal Nexclad Siding "or equal" - Terracotta Panels, Girts & Supports	1	ls		Div 4	
MISCELLANEOUS					
Scaffolding & Staging	1	ls	$ 31,080.00	Div 4	
Phasing Coordination	-	ea		N / A	
				TOTAL EIFS	**$ -**
07 46 00 - EXTERIOR ALUMINUM COMPOSITE PANELS (ACM)					
EXTERIOR					
ACM Panel System	2,978	sf	$ 110.85	$ 330,117	
ACM soffit/sunshade - ACM Panel System - Horizontal (top & bottom - Detail 1/A3-2-1)	2,086	sf	$ 155.00	$ 323,330	
				TOTAL EXTERIOR PANELS	**$ 653,447**

DOWNES CONSTRUCTION COMPANY

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Construction Document
ESTIMATE DETAIL

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
07 50 00 - ROOFING					
MEMBRANE ROOFING - SINGLE-PLY					
PVC Roofing System	48,838	sf	$ 30.00	$ 1,465,140	
PVC Roof canopy	1,100	sf	$ 21.00	$ 23,100	
Tapered Crickets (Placed Below Coverboard)	1	allow	$ 5,180.00	$ 5,180	
PVC Roofing system @ Parapets (Verticle)	7,500	sf	$ 18.65	$ 139,860	
PVC Roofing system @ Parapets (Verticle) at Blind Roof Transitions	1	allow	$ 10,000.00	$ 10,000	
FLASHING & SHEET METAL					
Cap Flashing at Low, Intermediate & High Roof Areas	1	ls	in Above	in Above	
Flashing & Counter Flashing at Roof Transitions, Mechanical Equipment & Roof Hatches	1	ls	in Above	in Above	
MISCELLANEOUS					
Roof Walkway Pads (30"Square)	1	allow	$ 15,000.00	$ 15,000	
Roof Drains at Buildings	1	ls	in above	in above	
Roof Expansion Joints at Buildings	1	allow	$ 10,360.00	$ 10,360	
Roof Hatch (w/Safety Rails)	1	ea	$ 5,180.00	$ 5,180	
Roof Ladder & Safety	-	vlf			
Set Mechanical Curbs & Flashing	510	lf	$ 20.72	$ 10,567	
Fall Protection	1	allw	$ 10,058.25	$ 10,058	
Phasing Coordination	-	ea		N / A	
				TOTAL ROOFING	**$ 1,694,445**
07 62 00 - SHEET MTL FLASHING & TRIM					
EXTERIOR					
Cap Flashing at Low, Intermediate & High Roof Areas	1	ls		w/ Roofing	
Flashing & Counter Flashing at Roof Transitions, Mechanical Equipment & Roof Hatches	1	ls		w/ Roofing	
				TOTAL FLASHING & TRIM	**$ -**
07 81 00 - APPLIED FIREPROOFING					
INTUMECENT					
Intumecent Coatings		lf		C - Excluded	
APPLIED FIREPROOFING					
Applied Fireproofing - 1 hr at Beams & Deck		sf		C - Excluded	
Applied Fireproofing - 1 hr at Columns		sf		C - Excluded	
Applied Fireproofing - Patching		sf		C - Excluded	
				TOTAL FIREPROOFING	**$ -**
07 84 00 - PENETRATION FIRESTOPPING					
FIRESTOPPING					
Fire-Resistive Joint Systems - Smoke 1 Hr / 2 Hr	88,339	sf	$ 0.52	$ 45,760	
Firestopping at Slab on Deck Perimeter (Detail 1/A3-2-1)	1,750	lf	$ 31.08	$ 54,390	
Firestopping at Drywall Partitions	1	ls	$ 0.31	in Drywall	
Firestopping at Masonry Partitions	1	ls	$ 0.52	in Masonry	
Firestopping at MEP Penetrations	1	ls	$ 0.52	in MEP	
				TOTAL FIRESTOPPING	**$ 100,150**
07 92 00 - JOINT SEALANTS					
JOINT SEALANTS					
Misc Joint Sealants - Exterior	53,840	sf	$ 1.00	$ 53,840	
Misc Joint Sealants - Interior	88,339	sf	$ 0.50	$ 44,170	
Foundations				w/ Trades	
Millwork / Casework				w/ Trades	
Door Frames		ea		w/ Trades	
Windows		ea		w/ Trades	
				TOTAL JOINT SEALANTS	**$ 98,010**
08 10 00 - DOORS & FRAMES					
Frames - Material					
HM Frame - Double	38	ea	$ 1,020.46	$ 38,777	
HM Frame - Single	162	ea	$ 606.06	$ 98,182	
HM frame with transom	5	ea	$ 1,020.46	$ 5,102	
Door Gasketing	18	ea	$ 1,243.20	$ 22,378	
Doors					
Door Type - Prefinished Wood	204	lvs	$ 637.14	$ 129,977	
Door Type - HM	34	lvs	$ 673.40	$ 22,896	
Labor					
Unload, Catalogue, Distribute	238	ea	$ 55.43	$ 13,191	
Frame Installation	192	hrs	$ 96.50	$ 18,527	
Door Installation	179	hrs	$ 96.49	$ 17,224	

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Construction Document
ESTIMATE DETAIL

ESTIMATE DETAIL	Construction Documents					86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price		Subtotal	Total
					TOTAL DOORS & FRAMES	**$ 366,254**
08 30 00 - SPECIALTY DOORS & OVERHEAD DOORS						
EXTERIOR						
Overhead Doors (8' x 8')	1	ea	$	8,288.00	$ 8,288	
Overhead Door Frames	1	ea	$	1,569.54	$ 1,570	
INTERIOR						
Rolling Counter Door - 4'-0"x4'-0"	1	ea	$	833.98	$ 834	
Motor Operated Aluminum Shutter - 2'-6"x9'-6"	1	ea	$	1,574.72	$ 1,575	
Motorized Coiling Door - 9'-6"x10'-10"	1	ea	$	15,500.00	$ 15,500	
Access Doors	15	ea	$	310.80	$ 4,662	
Door Type - HM						
					TOTAL SPECIALTY DOORS	**$ 32,428**
08 41 00 - ENTRANCE & STOREFRONTS						
EXTERIOR						
Storefront	1,973	sf	$	139.86	$ 275,944	
Storefront Formally punched windows	4,161	sf	$	103.60	$ 431,080	
Storefront w/ School Guard Glass	586	sf	$	155.40	$ 91,064	
Aluminum Door Assemblies -Schoolguard (per leaf)	19	ea	$	5,231.80	$ 99,404	
Door Hardware	19	ea	$	3,418.80	$ 64,957	
INTERIOR						
Storefront	1,040	sf	$	88.06	$ 91,582	
Aluminum Door Assemblies (per leaf)	17	ea	$	2,877.49	$ 48,917	
Aluminum Door Assemblies Schoolguard (per leaf)	-	ea				
Door Hardware	17	ea	$	2,929.81	$ 49,807	
MISCELLANEOUS						
Caulking & Backer Rod					w/ Sealants	
					TOTAL ENT. & STOREFRONT	**$ 1,152,756**
08 44 00 - METAL FRAMED CURTAINWALL						
EXTERIOR						
Curtainwall	957	sf	$	160.58	$ 153,675	
school guard glass adder	320	sf	$	129.50	$ 41,440	
					TOTAL CURTAINWALL	**$ 195,115**
08 45 00 - TRANSLUCENT WALL PANELS						
Translucent wall panels	1,026	sf	$	67.34	$ 69,091	
					TOTAL WINDOWS	**$ 69,091**
08 50 00 - WINDOWS						
EXTERIOR						
Aluminum fixed	-	sf			w/storefron	
school guard adder	-	sf			w/storefron	
					TOTAL WINDOWS	**$ -**
08 71 00 - DOOR HARDWARE						
EXTERIOR						
Door Hardware - Materials						
Door Hardware	15	lvs	$	1,243.20	$ 18,648	
Door Hardware - Labor						
Door Hardware installation	23	ea	$	96.50	$ 2,171	
INTERIOR						
Door Hardware - Materials						
Door Hardware	214	lvs	$	805.00	$ 172,270	
card readers	1	ls	$	10,000.00	$ 10,000	
Door Hardware - Labor						
Door Hardware installation	321	ea	$	96.50	$ 30,975	
					TOTAL DOOR HARDWARE	**$ 234,064**
08 80 00 - GLASS & GLAZING						
MIRRORS					Toilet Access	
					TOTAL GLASS & GLAZING	**$ -**
08 90 00 - LOUVERS & VENTS						
LOUVERS						
Louvers - misc not shown		sf				
					TOTAL LOUVERS	**$ -**

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Construction Document

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ESTIMATE DETAIL	**Construction Documents**				**86,760 sf**
DESCRIPTIONS	**Qty**	**Unit**	**Unit Price**	**Subtotal**	**Total**
09 21 00 - GYPSUM BOARD ASSEMBLIES					
EXTERIOR WALLS					
6 Mtl Stud, 5/8 Gyp, Densglass w/ avb & (rigid carried with Masonry) Includes New Gym Partition	61,245	sf	$ 18.91	$ 1,157,959	
INTERIOR PARTITIONS					
Type E4.0 - 2 layers 5/8" Gyp, 3 5/8" Mtl Stud, acoustical insulation, 3 5/8" Mtl Stud, 2 layers 5/8'	181	sf	$ 16.58	$ 3,000	
Type F3.0 - 3" Mtl Stud 5/8" Gyp (one sided) acoustical insulation	1,135	sf	$ 12.43	$ 14,110	
Type F4.0 - 4" Mtl Stud 5/8" Gyp (one sided) acoustical insulation	8,329	sf	$ 13.47	$ 112,175	
Type F6.0 - 6" Mtl Stud 5/8" Gyp (one sided) acoustical insulation	4,889	sf	$ 16.58	$ 81,040	
Type F6.0A - 6" Mtl Stud 2 Layers 5/8" Gyp (one sided) acoustical insulation	480	sf	$ 21.76	$ 10,443	
Type F8.0A - 8" Mtl Stud 2 Layers 5/8" Gyp (one sided) acoustical insulation	52	sf	$ 22.79	$ 1,185	
Type G4.0 - 4" Mtl Stud, 3 layers 5/8" Gyp (2/1) acoustical insulation	4,117	sf	$ 20.72	$ 85,304	
Type G4.0A - 4" Mtl Stud, 4 layers 5/8" Gyp (2/2) acoustical insulation	690	sf	$ 21.76	$ 15,012	
Type G4.0B - 4" Mtl Stud, 4 layers 5/8" Gyp (2/2) acoustical insulation	605	sf	$ 21.76	$ 13,162	
Type G6.0 - 6" Mtl Stud 2 layers 5/8" Gyp (1/1) acoustical insulation	11,452	sf	$ 22.79	$ 261,014	
Type G6.0A - 6" Mtl Stud 3 layers 5/8" Gyp (2/1) acoustical insulation	26,136	sf	$ 23.86	$ 623,710	
Type G6.0B - 6" Mtl Stud 4 layers 5/8" Gyp (2/2) acoustical insulation	15,093	sf	$ 29.04	$ 438,361	
Type G6.1 - 6" Mtl Stud 2 layers 5/8" Type X Gyp (1/1) acoustical insulation 1hr rated	2,602	sf	$ 22.79	$ 59,305	
Type G6.1F - 6" Mtl Stud 4 layers 5/8" Type X Gyp (2/2) acoustical insulation 1hr rated	1,124	sf	$ 26.94	$ 30,276	
Type G6.2 - 6" Mtl Stud 4 layers 5/8" Type X Gyp (2/2) acoustical insulation 1hr rated	391	sf	$ 26.94	$ 10,532	
Type G8.0 - 8" Mtl Stud 2 layers 5/8" Gyp (1/1) acoustical insulation	1,295	sf	$ 26.42	$ 34,211	
Type G8.0A - 8" Mtl Stud 3 layers 5/8" Gyp (2/1) acoustical insulation	3,624	sf	$ 30.04	$ 108,879	
Type G8.0B - 8" Mtl Stud 4 layers 5/8" Gyp (2/2) acoustical insulation	9,302	sf	$ 31.08	$ 289,106	
Type G8.1 - 8" Mtl Stud 4 layers 5/8" Type X Gyp (2/2) acoustical insulation 1hr rated	318	sf	$ 31.08	$ 9,883	
Type G8.1F - 8" Mtl Stud 2 layers 5/8" Type X Gyp (2/0) acoustical insulation 1hr rated	3,487	sf	$ 22.79	$ 79,476	
Type S4.2 - 4" Mtl Stud 5/8" Type X Gyp (1/1) acoustical insulation, 1" Gyp Liner Panel	414	sf	$ 19.68	$ 8,149	
Type S6.2 - 6" Mtl Stud 5/8" Type X Gyp (1/1) acoustical insulation, 1" Gyp Liner Panel	1,817	sf	$ 20.72	$ 37,648	
Bulkhead 4'	414	sf	$ 25.90	$ 10,723	
Bulkhead 6'	1,817	sf	$ 25.90	$ 47,060	
Kneewall 4'	224	sf	$ 13.47	$ 3,017	
CEILINGS					
Suspended Gypsum Ceilings	6,778	sf	$ 18.13	$ 122,885	
Exterior Stucco	1,021	sf	$ 8.29	$ 8,462	
Interior Soffits	1,419	sf	$ 18.13	$ 25,726	
Exterior soffits	27	sf	$ 16.58	$ 448	
EQUIPMENT					
Lifts	1	ls	$ 10,000.00	$ 10,000	
MISCELLANEOUS					
FRP	2,716	sf	$ 8.29	$ 22,510	
HM Frame Installation	-	ea			
In-wall Blocking		sf		ıgh carpentry	
Misc. Joint Sealants & Firestopping		lf		w/ sealants	
Reconciliation Adjustment					
				TOTAL GYP. BOARD ASSEM.	**$ 3,734,773**
09 30 00 - TILE					
FLOOR TILE					
CFT - Ceramic Floor Tile	1,330	sf	$ 22.79	$ 30,313	
TILE BASE					
Schluter Cove Base	4,190	lf	$ 19.68	$ 82,476	
Schluter Trim	2,339	lf	$ 12.43	$ 29,078	
WALL TILE					
CWT-1 - Ceramic Wall Tile	16,449	sf	$ 25.90	$ 426,029	
MISCELLANEOUS					
Marble Thresholds	32	lf	$ 20.72	$ 663	
Crack Suppression, Waterproofing Membrane	1,330	sf	$ 3.14	$ 4,175	
Temporary Floor Protection	1,330	sf	$ 0.25	$ 333	
Attic Stock (3%)	5%	pct	$ 202,229.76	$ 10,111	
Phasing Coordination		ea			
				TOTAL TILE	**$ 583,179**
09 51 00 - ACOUSTICAL CEILINGS					
ACOUSTICAL CEILINGS					
ACT-1 - 24" X 24" - ARMSTRONG ULTIMA - CLASSROOM	56,849	sf	$ 7.75	$ 440,580	
ACT-3 - ARMSTRONG ULTIMA HIGH NRC - MEDIA CENTER & ADMIN OFFICE	2,059	sf	$ 9.32	$ 19,190	
ACT-4 - 24" X 48" - ARMSTRONG KITCHEN ZONE - KITCHEN AREA	1,421	sf	$ 8.81	$ 12,513	
ACT-5 - 24" X 24" - ARMSTRONG DUNE - BATHROOM	1,158	sf	$ 9.32	$ 10,797	
Custom USG Colortex Felt Blade System	1,885	sf	$ 20.72	$ 39,057	
adjust for felt blades	1	ls	$ 5,000.00	$ 5,000	
TREE - Custom USG "Barz" Extruded Aluminum Baffles System (450sf) - Allowance	1	ls	$ 45,000.00	$ 45,000	
MISCELLANEOUS					

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Construction Document
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ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	**Qty**	**Unit**	**Unit Price**	**Subtotal**	**Total**
Attic Stock (5%)	5%	pct	$ 100,000.00	$ 5,000	
Phasing Coordination		ls			
				TOTAL ACOUSTICAL CEILING	**$ 577,137**
09 64 00 - WOOD FLOORING					
WOOD FLOORING					
Wood Floor at Gymnasium w/vented base	4,994	sf	$ 27.97	$ 139,692	
sleepers and plywood	4,994	sf	$ 3.11	$ 15,521	
Temporary Floor Protection	4,994	sf	$ 1.04	$ 5,174	
				TOTAL WOOD FLOORING	**$ 160,387**
09 61 10 - VAPOR MITIGATION					
TOPICAL MOISTURE MITIGATION					
Moisture Mitigation at Slab on Grade Areas - Top / Skim Slabs 100% not including ceramic	40,000	sf	$ 5.70	$ 227,920	
				TOTAL VAPOR MITIGATION	**$ 227,920**
09 65 00 - RESILIENT FLOORING					
STAIRS					
RFT-1 Rubber Floor/Treads/Risers	3,113	sf	$ 12.43	$ 38,701	
FLOORS					
Sheet Vinyl	1,711	sf	$ 12.43	$ 21,271	
Marmoleum Flooring	51,828	sf	$ 7.25	$ 375,753	
WaterJet cutouts large	15	ea	$ 1,036.00	$ 15,540	
WaterJet cutouts small	18	ea	$ 777.00	$ 13,986	
special seal cut outs	2	ea	$ 2,500.00	$ 5,000	
Floor Prep	8,503	sf	$ 0.78	$ 6,607	
Temporary Floor Protection	1	ls	$ 5,180.00	$ 5,180	
WALL BASE & ACCESSORIES					
Resilient Wall Base	10,111	lf	$ 3.11	$ 31,425	
Transition Strips, Thresholds, etc	679	lf	$ 5.18	$ 3,517	
metal transition	52	lf	$ 10.36	$ 539	
MISCELLANEOUS					
Attic Stock	5%	pct	$ 200,000.00	$ 10,000	
Phasing Coordination		ls			
				TOTAL RESILIENT FLOORING	**$ 527,519**
09 67 00 - RESINOUS FLOORING					
EPOXY RESINOUS FLOORING					
Epoxy Flooring	2,886	sf	$ 16.58	$ 47,838	
EB-1 Cove Base	1,029	lf	$ 15.54	$ 15,991	
Temp protection	2,886	lf	$ 15.54	$ 44,848	
				TOTAL RESINOUS FLOORING	**$ 108,677**
09 68 00 - CARPET					
CARPET					
CPT-1	1,330	sf	$ 5.70	$ 7,578	
CPT-2	3,000	sf	$ 6.22	$ 18,648	
RC1 & 2	5,166	sf	$ 7.51	$ 38,802	
Floor Prep		sf			
Attic Stock	5%	pct	$ 10,490.54	$ 525	
protection	9,496	sf	$ 1.04	$ 9,838	
				TOTAL CARPET	**$ 75,391**
09 69 00 - ACCESS FLOORING					
ACCESS FLOORING					
Access Flooring at (room name)		sf			
				TOTAL ACCESS FLOORING	**$ -**
09 80 00 - ACOUSTICAL TREATMENT					
ACOUSTICAL WALL PANELS					
FWP - Fabric Wrapped Panels	217	sf	$ 20.72	$ 4,496	
WFAP-Wood Fiber Acounstal Panel	964	sf	$ 20.72	$ 19,974	
				TOTAL ACOUSTICAL TREAT.	**$ 24,470**
09 91 00 - PAINTING					
Doors & Frames					
HM Doors	34	ea	$ 88.06	$ 2,994	
HM Frames	184	ea	$ 129.50	$ 23,828	

GREENEVILLE ELEMENTARY SCHOOL

Drawings Dated: 10/25/2024

Estimate Date: 11/08/2024

Reconciled Date 11/8/24

ESTIMATE DETAIL	Construction Documents					86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price		Subtotal	Total
Stair Finishes						
Paint Stair & Rails	10	flts	$ 2,400.00	$	24,000	
Wall Finish						
Paint Walls - Gyp -epoxy	140,000	sf	$ 1.14	$	159,544	
Paint Walls - CMU	18,000	sf	$ 1.30	$	23,310	
VWC - Vinyl Wall Covering	1,786	sf	$ 34.00	$	60,724	
PRP-1 Vinyl wall graphic	1,159	sf	$ 38.00	$	44,042	
Floor Finish						
Sealed Concrete	2,396	sf	$ 2.86	$	6,844	
Ceilings						
Exposed Structure & Deck - Painted	7,477	sf	$ 2.09	$	15,647	
Gypsum Ceilings	6,778	sf	$ 1.36	$	9,220	
Gyp Soffits & Facia	1,419	sf	$ 1.36	$	1,930	
PAINTING - ALL SURFACES (BUILDING AREA)		sf				
MISC.						
Misc.Touch Ups	1	ls	$ 20,720.00	$	20,720	
Phasing Coordination		ls				
					TOTAL PAINTING	**$ 392,804**
10 11 00 - VISUAL DISPLAY SURFACES						
TACK BOARDS						
corkboard at corridors classrooms	485	sf	$ 5.18	$	2,512	
Tack Boards 4'	141	ea	$ 362.60	$	51,127	
Tack Boards 6'	16	ea	$ 569.80	$	9,117	
Tack Boards 8'	5	ea	$ 777.00	$	3,885	
MARKER BOARD						
Marker Board 12'	2	ea	$ 1,036.00	$	2,072	
Marker Board 8'	22	ea	$ 777.00	$	17,094	
Marker Board 6'	39	ea	$ 569.80	$	22,222	
Marker Board 4'	4	ea	$ 362.60	$	1,450	
Marker Board Full Height	38	ea	$ 1,310.00	$	49,780	
MONITORS						
Monitor brackets for Large TV's	30	hr	$ 77.70	$	2,331	
Display cases						
8'W x 6'H Display Case	1	ea	$ 4,144.00	$	4,144	
6'W x 6'H Display Case	2	ea	$ 3,108.00	$	6,216	
SMART BOARD						
Smart Boards 60"		ea	By Owner (Install Only)			
LABOR						
Installation	80	hr	$ 221.67	$	17,734	
					TOTAL VISUAL DISPLAY SURF.	**$ 189,684**
10 14 00 - SIGNAGE						
EXTERIOR						
Building Sign - Dimensional Letter Signage	21	ea	$ 267.29	$	5,613	
Building Sign - Site Signage	23	ea	$ 155.40	$	3,574	
Monument	1	ea	$ 10,000.00	$	10,000	
Exterior Window numder decal	81	ea	$ 26.94	$	2,182	
information and directional signage	6	ea	$ 2,072.00	$	12,432	
INTERIOR						
iInterior rooms	15	ea	$ 10.36	$	155	
Dedicated Plaques	1	ls	$ 3,139.08	$	3,139	
Directory	1	ls	$ 2,615.90	$	2,616	
Egress Maps w/ paper insert	47	ea	$ 155.40	$	7,304	
Corridor room ID	108	ea	$ 129.50	$	13,986	
Interior Gym lettering	30	ea	$ 9.32	$	280	
Stair directional	9	ea	$ 24.61	$	221	
HA/Exit sign	9	ea	$ 12.12	$	109	
Typical Fire ADA compliant	8	ea	$ 58.02	$	464	
Sign Installation	1	ls	$ 18,648.00	$	18,648	
					TOTAL SIGNAGE	**$ 80,724**
10 21 13 - TOILET COMPARTMENTS						
TOILET COMPARTMENTS						
ADA Stalls - Ceiling Mounted	8	ea	$ 2,072.00	$	16,576	
Standard Stalls - Ceiling Mounted	11	ea	$ 1,554.00	$	17,094	
Structural Support of Partitions - See Misc Metals			w/ Misc. Metals			
Urinal Screen	4	ea	$ 600.00	$	2,400	
					TOTAL TOILET COMPARTMENTS	**$ 36,070**

DOWNES CONSTRUCTION COMPANY

Construction Document
ESTIMATE DETAIL

GREENEVILLE ELEMENTARY SCHOOL

Drawings Dated: 10/25/2024

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ESTIMATE DETAIL	Construction Documents						86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price		Subtotal		Total
10 22 33 - OPERABLE PARTITIONS							
OPERABLE PARTITIONS							
Folding Partition at Gym		sf					
Skyfold Partition		sf					
	TOTAL OPERABLE PARTITIONS					**$**	**-**
10 26 00 - WALL & DOOR PROTECTION							
WALL & DOOR PROTECTION							
Corner Guards	101	ea	$	51.80	$ 5,232		
phenolic reinforced wall panels	75	sf	$	75.00	$ 5,625		
	TOTAL WALL & DOOR PROT.					**$**	**10,857**
10 28 00 - TOILET ACCESSORIES							
TOILET ACCESSORIES - MATERIALS							
36" grab bar	31	ea	$	57.55	$ 1,784		
42" grab bar	31	ea	$	62.78	$ 1,946		
18" grab bar	31	ea	$	52.32	$ 1,622		
ADA Mirror	31	ea	$	78.48	$ 2,433		
Mirror	8	ea	$	78.48	$ 628		
Toilet tissue dispenser install only	41	ea	$	25.90	$ 1,062		
Paper towel dispenser install only	31	ea	$	25.90	$ 803		
Trash Receptacle	-	ea					
Soap dispenser install only	23	ea	$	25.90	$ 596		
Sanitary napkin disposal	9	ea	$	31.39	$ 283		
Mop & Broom Bracket	4	ea	$	52.32	$ 209		
Eletric Hand dryer	13	ea	$	673.40	$ 8,754		
Kiddie Mirror	11	ea	$	51.80	$ 570		
Coat Hooks	53	ea	$	20.72	$ 1,098		
Privacy Curtain and Track (ea)	72	lf	$	51.80	$ 3,730		
Diaper Changing station	9	ea	$	787.36	$ 7,086		
TOILET ACCESSORIES - LABOR							
Accessories Installation	209	ea	$	69.41	$ 14,507		
	TOTAL TOILET ACCESSORIES					**$**	**47,110**
10 41 00 - EMRG ACCESS CABINETS							
EMERGENCY ACCESS CABINETS							
Knox Box	3	ea	$	784.77	$ 2,354		
	TOTAL EMERG. ACCESS CABS.					**$**	**2,354**
10 44 00 - FIRE PROTECTION SPECIALTIES							
FIRE EXTINGUISHERS							
Fire Extinguishers & Cabinets (ea)	14	ea	$	440.30	$ 6,164		
	TOTAL FIRE PROT. SPEC.					**$**	**6,164**
10 75 00 -Flagpoles							
FLAGPOLES							
ExteriorFlag Poles	1	ea	$	7,500.00	$ 7,500		
Flag mount class room	33	ea	$	15.54	$ 513		
Flag & poles class room	33	ea	$	31.08	$ 1,026		
installation	33	ea	$	5.18			
	TOTAL FLAGPOLES					**$**	**9,038**
10 51 00 - Lockers							
double tier lockers	205	ea	$	414.40	$ 84,952		
		ea					
LOCKERS - LABOR							
Installation	103	hr	$	96.50	$ 9,891		
	TOTAL LOCKERS					**$**	**94,843**
11 13 00 - LOADING DOCK EQUIPMENT							
LOADING DOCK							
Bumpers	2	ea	$	207.20	$ 414		
	TOTAL LOAD. DOCK EQUIP.					**$**	**414**
11 23 26 - COMMERCIAL LAUNDRY EQUIPMENT							
COMMERCIAL LAUNDRY							
Washer-Extractor - Speed Queen SCT040	-	ea					
Electric Tumbling Dryer - Speed Queen ST050	-	ea					

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
				TOTAL COMM. LAUNDRY EQUIP.	$ -
11 30 00 - RESIDENTIAL APPLIANCES					
RESIDENTIAL APPLIANCES					
Refrigerator - Samsung, model # RS22T5201SR	2	ea	$ 1,916.60	$ 3,833	
Microwave- GE model # JES2051DN/SN	4	ea	$ 181.30	$ 725	
Dishwasher - Bosch; Model SGE68U55UC	1			deleted	
Unloading and setup	5	ea	$ 96.50	$ 482	
			$ 600		
				TOTAL RES. APPLIANCES	$ 5,041
11 40 00 - FOOD SERVICE EQUIPMENT					
FOOD SERVICES EQUIPMENT					
Mop Sink Cabinet w/ Service Faucet	1	ea	$ -	$ -	
Walk in cooler	1	ea	$ -	$ -	
Walk in freezer	1	ea	$ -	$ -	
Cooler remote condensing unit	1	ea	$ -	$ -	
Cooler evaporator coil	1	ea	$ -	$ -	
Freezer remote condensing unit	1	ea	$ -	$ -	
Freezer evaportor coil	1	ea	$ -	$ -	
Mobile shelving unit four-tier	9	ea	$ -	$ -	
Dunnage rack mobile	2	ea	$ -	$ -	
Storage shelving five tier	7	ea	$ -	$ -	
Water filter Assembly	5	ea	$ -	$ -	
Stainless steel wall flashing	1	ea	$ -	$ -	
Six burner range w/ oven	1	ea	$ -	$ -	
Double convection oven	1	ea	$ -	$ -	
Fire suppression system	1	ea	$ -	$ -	
Ventilator demand control system	1	ea	$ -	$ -	
Ventilator control interface screen	1	ea	$ -	$ -	
Utility distribution system (UDS)	1	ea	$ -	$ -	
Exhaust Ventilator	1	ea	$ -	$ -	
Pan rack Mobile	2	ea	$ -	$ -	
Waste barrel (by Owner)	4	ea	$ -	$ -	
Manual can opener	1	ea	$ -	$ -	
Wall shelf	1	ea	$ -	$ -	
Prep table w/ sink	1	ea	$ -	$ -	
Cooks work table	1	ea	$ -	$ -	
Food processor	1	ea	$ -	$ -	
Accessible prep station w/ sink	1	ea	$ -	$ -	
Work mobile table	2	ea	$ -	$ -	
Drop cord	4	ea	$ -	$ -	
Slicer	1	ea	$ -	$ -	
Mobile Equipment stand	1	ea	$ -	$ -	
Mobile hot food holding cabinet	2	ea	$ -	$ -	
Mobile work table	2	ea	$ -	$ -	
Refrigerator, Pass thru	1	ea	$ -	$ -	
Accessible hand sink	1	ea	$ -	$ -	
Waste bin (by Owner)	1	ea	$ -	$ -	
Utility cart	3	ea	$ -	$ -	
Serving counter	1	ea	$ -	$ -	
Convertible glass food protector w/ warmer	1	ea	$ -	$ -	
Two tier self service glass food protector case	1	ea	$ -	$ -	
Heated back glass surface drop in	1	ea	$ -	$ -	
Heated shelf, two-tier	1	ea	$ -	$ -	
Cold pan, drop in	1	ea	$ -	$ -	
Refrigerator self service air screen display case	1	ea	$ -	$ -	
Cold pan, drop in	1	ea	$ -	$ -	
Serving counter	1	ea	$ -	$ -	
Two tier self service glass food protector case	1	ea	$ -	$ -	
Full service glass food protector case	1	ea	$ -	$ -	
Hot food walls	4	ea	$ -	$ -	
Fill faucet	1	ea	$ -	$ -	
Milk cooler	1	ea	$ -	$ -	
Mobile cash stand	2	ea	$ -	$ -	
Cashier Terminal (by Owner)	2	ea	$ -	$ -	
Novelty ice cream case	1	ea	$ -	$ -	
Mobile condiment counter	1	ea	$ -	$ -	
Traffic stanchion	2	ea	$ -	$ -	
Hand sink	1	ea	$ -	$ -	
Waste bin (by Owner)	2	ea	$ -	$ -	

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
Three compartment sink	1	ea	$ -	$ -	
Wall shelf	1	ea	$ -	$ -	
Roll down shutter	1	ea	$ -	$ -	
Soild ware table w/ sink pass thru frame	1	ea	$ -	$ -	
Hose Reel Assembly	1	ea	$ -	$ -	
Water Filter	1	ea	$ -	$ -	
Rack converyor dishwasher	1	ea	$ -	$ -	
Stainless steel exhaust duct	2	ea	$ -	$ -	
Clean ware roller table	1	ea	$ -	$ -	
Lump Sum	1	ls		$ 635,845	
				TOTAL FOODSERVICE	**$ 635,845**
11 52 00 - AUDIO-VISUAL EQUIPMENT					
PROJECTION SCREEN					
Projection Screen - Da-Lite Model 39158L -CAFE/Choral/Learstair	3	ea	$ 14,082.35	$ 42,247	
Projection Screen - Da-Lite Model 37049L GYM	1	ea	$ 4,554.26	$ 4,554	
TELEVISIONS					
FP TV	33	ea	separate contract		
LABOR					
Installation	16	hr	$ 96.50	$ 1,544	
				TOTAL AV EQUIPMENT	**$ 48,345**
11 66 00 - ATHLETIC EQUIPMENT					
GYM EQUIPMENT					
Volleyball packages w/ Sleeves & Transport System	1	ea	$ 7,500.00	Included	
Basketball Hoops & Motorized foldable	6	ea	$ 4,000.00	Included	
Score Boards					
Score board	2	ea	$ 10,360.00	Included	
Gym shot clocks	4	ea	$ 3,108.00	Included	
Divider Curtian					
Motorized Gym Curtain Divider	59	lf	$ 20,720.00	Included	
Wall Pads					
6' Wall Pad	986	sf	$ 15.54	Included	
LUMP SUM	1	ls	$ 170,210.00	$ 170,210	
Bleachers					
Gym Bleachers - Motorized Telescopic bleachers (68 lf)		ls	$ 57,748.00	Included	
ADD Alternate #1- Telescopic Bleachers 3 rows		ls		In Alt	
ADD Alternate #1- 4 Xtreme Logos (6 tier only)				In Alt	
ADD Alternate #1- Partial Open Option (6 tier only)				In Alt	
LUMP SUM	1	ls	$ 57,748.00	$ 57,748	
Lump Sum	1			**TOTAL ATHLETIC EQUIPMENT**	**$ 227,958**
11 90 00 - MISC. EQUIPMENT					
MISCELLANEOUS EQUIPMENT					
Auditorium Curtains and track	-	allow			
Kiln	1	allow	$ 6,734.00	$ 6,734	
Cord reels	-	allow			
				TOTAL MISC. EQUIPMENT	**$ 6,734**
12 20 00 - WINDOW TREATMENT					
WINDOW TREATMENT					
Manual Roller Shades	4,326	sf	$ 9.50	$ 41,097	
Motorized Roller Shades	584	sf	$ 25.90	$ 15,126	
				TOTAL WINDOW TREATMENT	**$ 56,223**
12 48 13 - ENTRANCE MATS & FRAMES					
ENTRY MATS					
FGC - Entrance Foot Grilles	443	sf	$ 18.65	$ 8,261	
Entrance Mat - Recessed	1,249	sf	$ 31.08	$ 38,819	
				TOTAL ENTRY MAT & FRAME	**$ 47,080**
12 52 00 - SEATING					
AUDITORIUM SEATING					
Fixed Seating - Auditorium		ea			
End Caps, Aisle Lighting, Misc.		allw			
Fixed Seating - Spectator		ea			

DOWNES CONSTRUCTION COMPANY

GREENEVILLE ELEMENTARY SCHOOL

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Construction Document

ESTIMATE DETAIL

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	**Qty**	**Unit**	**Unit Price**	**Subtotal**	**Total**
				TOTAL FIXED SEATING	**$ -**
13 00 00 - SPECIAL CONSTRUCTION					
SPECIAL CONSTRUCTION					
		sf			
				TOTAL SPECIAL CONSTRUCTION	**$ -**
14 20 00 - ELEVATORS					
ELEVATORS					
Traction Elevator - 3500 lbs	3	stop	$ 70,448.00	$ 211,344	
				$ (10,000)	
				TOTAL ELEVATORS	**$ 201,344**
21 00 00 - FIRE PROTECTION					
FIRE PROTECTION GENERAL CONDITIONS					
Hydraulic calculations	1	ls	$ 1,600.00	$ 1,600	
squarfoot cast	1	ls	$ 3,000.00	$ 3,000	
Testing & inspection	1	ls	$ 3,000.00	$ 3,000	
Drain & fill system	1	ls	$ 1,850.00	$ 1,850	
Coordination and management	1	ls	$ 8,000.00	$ 8,000	
Permits and fees	1	ls	$ 3,100.00	$ 3,100	
Seismic Restraints and Fasteners	1	ls	$ 7,250.00	$ 7,250	
Coring & patching / firestopping	1	ls	$ 3,500.00	$ 3,500	
Shop Drawings	1	ls	$ 1,300.00	$ 1,300	
Record Drawings	1	ls	$ 4,225.00	$ 4,225	
FIRE PROTECTION SPRINKLER SYSTEM			$ -		
6" Double Check Valve Assembly	1	ea	$ 14,500.00	$ 14,500	
Fire Department Connection	1	ea	$ 2,400.00	$ 2,400	
Sprinkler Test & Drain Valve	1	ea	$ 1,500.00	$ 1,500	
Alarm Check Valve	2	ea	$ 6,500.00	$ 13,000	
Floor Control Valve Assembly	3	ea	$ 3,100.00	$ 9,300	
Sprinkler Head	895	ea	$ 110.00	$ 98,450	
Sprinkler Main Pipe	1,980	lf	$ 72.00	$ 142,560	
Sprinkler Branch Piping	8,660	lf	$ 36.00	$ 311,760	
				TOTAL FIRE PROTECTION	**$ 630,295**
22 00 00 - PLUMBING					
PLUMBING GENERAL CONDITIONS					
Testing & disinfection	1	ls	$ 16,000.00	$ 16,000	
Coordination & management	1	ls	$ 45,000.00	$ 45,000	
Permits and fees	1	ls	$ 19,000.00	$ 19,000	
Seismic restraints / bracing	1	ls	$ 22,500.00	$ 22,500	
Coring & patching / firestopping	1	ls	$ 15,000.00	$ 15,000	
Hoisting & rigging / floor loading	1	ls	$ 9,000.00	$ 9,000	
Shop drawings & submittals	1	ls	$ 2,500.00	$ 2,500	
Record drawings / as builts	1	ls	$ 4,000.00	$ 4,000	
Access panels - furnish only	1	ls	$ 4,500.00	$ 4,500	
DOMESTIC WATER PIPING			$ -		
Domestic water pipe (Type L Cu.)	10,755	lf	$ 55.00	$ 591,525	
Fixture Rough-in	163	ea	$ 300.00	$ 48,900	
Pipe insulation	10,755	lf	$ 13.00	$ 139,815	
Misc. valves, tags and fittings	1	ls	$ 80,000.00	$ 80,000	
SANITARY WASTE & VENT PIPE (UNDERGROUND)			$ -		
Sanitary Waste & Vent Pipe, SV Cast Iron	2,325	lf	$ 55.00	$ 127,875	
SANITARY WASTE & VENT PIPE (ABOVE GROUND)			$ -		
Sanitary Waste & Vent Pipe, No-Hub Cast Iron	3,850	lf	$ 69.00	$ 265,650	
Fixture Rough-in	170	ea	$ 300.00	$ 51,000	
FD-1 Floor Drain	12	ea	$ 577.50	$ 6,930	
FS-1 Floor Sink	9	ea	$ 577.50	$ 5,198	
STORM DRAINAGE SYSTEM (UNDERGROUND)			$ -		
8" Storm Pipe, SV Cast Iron	255	lf	$ 102.00	$ 26,010	
6" Storm Pipe, SV Cast Iron	410	lf	$ 70.00	$ 28,700	
4" Storm Pipe, SV Cast Iron	375	lf	$ 47.00	$ 17,625	
3" Storm Pipe, SV Cast Iron	15	lf	$ 35.00	$ 525	
STORM DRAINAGE SYSTEM (ABOVE GROUND)			$ -		
6" Storm Pipe, No-Hub Cast Iron	70	lf	$ 103.00	$ 7,210	
4" Storm Pipe, No-Hub Cast Iron	1,120	lf	$ 79.00	$ 88,480	
3" Storm Pipe, No-Hub Cast Iron	200	lf	$ 69.00	$ 13,800	
RD-1 - Roof / Overflow Drain	27	ea	$ 1,250.00	$ 33,750	
GAS PIPING			$ -		

ESTIMATE DETAIL	Construction Documents					86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price		Subtotal	Total
Natural Gas Pipe (Sched 40 Black Steel)	225	lf	$ 65.00	$	14,625	
Valves, Tags & Fittings	1	ls	$ 1,500.00	$	1,500	
Emergency Gas Shutoff	2	ea	$ 1,200.00	$	2,400	
Gas Regulator (2 PSI)	2	ea	$ 750.00	$	1,500	
Gas Meter Assembly (Connection Only)	1	ea	$ 2,500.00	$	2,500	
Gas Connections to Mechanical Equipment	4	ea	$ 1,500.00	$	6,000	
Gas Connections to Kitchen Equipment	4	ea	$ 1,300.00	$	5,200	
PLUMBING EQUIPMENT			$ -			
WH-1 - Gas Fired Water Heaters - Condensing (399 MBH, 130 Gallon)	2	ea	$ 45,000.00	$	90,000	
TMV-1 - Master Digital Thermostatic Mixing Valve	1	ea	$ 13,500.00	$	13,500	
RP-1 - Hot Water Recirc Pump	1	ea	$ 5,775.00	$	5,775	
EXP-1 - Expansion Tank	1	ea	$ 4,500.00	$	4,500	
BFP-1 - 4" Backflow Preventer	1	ea	$ 5,500.00	$	5,500	
BFP-2 - 3/4" Backflow Preventer	3	ea	$ 1,200.00	$	3,600	
SP-1 - Submersible Pump, Elevator	1	ea	$ 6,800.00	$	6,800	
GI-1 - Grease Interceptor, Interior	2	ea	$ 4,500.00	$	9,000	
GI-1 - Grease Interceptor, Exterior (by others)		ea	$ -			
Washing Machine Valve Box	1	ea	$ 400.00	$	400	
Radon Piping and Equipment	1	allow	$ 49,500.00	$	49,500	
KITCHEN PLUMBING CONNECTIONS			$ -			
Rough-in & Connection to Kitchen Equipment & Fixtures	1	ls	$ 40,000.00	$	40,000	
PLUMBING FIXTURES			$ -			
W-1 - Water Closet - Wall Hung	12	ea	$ 2,100.00	$	25,200	
W-1A - ADA Water Closet - Wall Hung	20	ea	$ 2,200.00	$	44,000	
W-2 - Water Closet - Floor Mounted - Child Height	10	ea	$ 1,850.00	$	18,500	
U-1A - ADA Urinal - Wall Hung	4	ea	$ 2,150.00	$	8,600	
U-1 - Urinal - Wall Hung	1	ea	$ 2,050.00	$	2,050	
S-1 - Single Compartment Sink	9	ea	$ 1,700.00	$	15,300	
S-2 - Classroom Sink	48	ea	$ 2,200.00	$	105,600	
S-3 - Art Room Sink with Solids Interceptor	3	ea	$ 2,525.00	$	7,575	
MSK - Mop Sink w/ Integral Drain	4	ea	$ 1,250.00	$	5,000	
L-1 - Lavatory - Wall Hung	27	ea	$ 1,850.00	$	49,950	
L-2 - Lavatory - 2 Station	6	ea	$ 4,050.00	$	24,300	
HB-1 - Hose Bibb	8	ea	$ 450.00	$	3,600	
WH-1 - Freeze Proof Wall Hydrant w/ SS Hinged Lockable Cover	12	ea	$ 650.00	$	7,800	
RH-1 - Roof Hydrant	4	ea	$ 725.00	$	2,900	
EWC-1 - Electric Water Cooler	7	ea	$ 4,250.00	$	29,750	
					TOTAL PLUMBING	**$ 2,282,918**
23 00 00 - HVAC						
HVAC GENERAL REQUIREMENTS						
Commissioning Support	1	ls	$ 80,000.00	$	80,000	
Coordination & management	1	ls	$ 140,000.00	$	140,000	
Permits and fees	1	ls	$ 35,000.00	$	35,000	
Rigging / Floor Loading	1	ls	$ 60,000.00	$	60,000	
Coring & patching / firestopping	1	ls	$ 15,000.00	$	15,000	
Shop drawings & submittals	1	ls	$ 15,000.00	$	15,000	
Record drawings / as builts	1	ls	$ 30,000.00	$	30,000	
Equipment start up and inspection	1	ls	$ 15,000.00	$	15,000	
Access panels - furnish only	1	ls	$ 5,000.00	$	5,000	
TESTING & BALANCING			$ -			
Testing & balancing (Water / Air)	86,760	sf	$ 1.25	$	108,450	
INSULATION			$ -			
Insulation - Duct	48,000	sf	$ 5.50	$	264,000	
Insulation - Pipe	27,405	lf	$ 13.00	$	356,265	
AUTOMATIC TEMPERATURE CONTROLS FOR HVAC			$ -			
Building Management System	86,760	sf	$ 7.50	$	650,700	
REFRIGERANT PIPING			$ -			
Refrigerant Piping (Copper ACR Tubing)	16,135	lf	$ 45.00	$	726,075	
HYDRONIC PIPING			$ -			
4" Heating Water Pipe (Schedule 40 Black Steel)	540	lf	$ 85.00	$	45,900	
3" Heating Water Pipe (Schedule 40 Black Steel)	55	lf	$ 71.00	$	3,905	
<2" Heating Water Pipe (Type L Copper)	7,440	lf	$ 55.00	$	409,200	
Condensate Pipe (Type L Copper)	3,235	lf	$ 46.00	$	148,810	
Valves, Tags, & Fittings	1	ls	$ 30,000.00	$	30,000	
HVAC AIR DISTRIBUTION			$ -			
Ductwork - Galvanized	64,200	lbs	$ 18.50	$	1,187,700	
Welded black steel (grease exhaust)	900	lbs	$ 31.00	$	27,900	
Aluminum (Dishwasher exhaust)	400	lbs	$ 29.00	$	11,600	
RGD's	501	ea	$ 250.00	$	125,250	
Sound Attenuators	12	ea	$ 3,000.00	$	36,000	

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
Misc. Ductwork Accessories	86,760	sf	$ 1.20	$ 104,112	
EXHAUST FANS			$ -		
EF-1 - Kitchen Hood Grease Exhaust Fan (4,275 cfm)	1	ea	$ 13,500.00	$ 13,500	
EF-2 - Dishwasher Exhaust Fan (600 cfm)	1	ea	$ 5,500.00	$ 5,500	
EF-3 - Mechanical Room Exhaust Fan (450 cfm)	1	ea	$ 1,150.00	$ 1,150	
TF-1 - Transfer Fan (470 cfm)	1	ea	$ 1,150.00	$ 1,150	
CENTRAL HEATING EQUIPMENT			$ -		
B-1 & 2 - Gas Fired Condensing Boiler (1,500 MBH)	2	ea	$ 50,000.00	$ 100,000	
Boiler Combustion Air Pipe (CPVC)	1	ls	$ 5,000.00	$ 5,000	
Boiler Flue Pipe (CPVC)	1	ls	$ 5,000.00	$ 5,000	
Boiler Condensate Neutralizer Kit	2	ea	$ 1,500.00	$ 3,000	
ET-1 - Expansion Tank	1	ea	$ 4,500.00	$ 4,500	
AS-1 - Air Separator	1	ea	$ 5,500.00	$ 5,500	
Glycol Feed System	1	ea	$ 11,000.00	$ 11,000	
P-1 & 2 - HW Vertical In-Line Pump (Primary), 80 gpm, 1.5 hp	3	ea	$ 4,500.00	$ 13,500	
P-3 & 4 - HW Vertical In-Line Pump (Secondary), 175 gpm, 7.5 hp	2	ea	$ 15,000.00	$ 30,000	
P-3 & 4 - Variable Frequency Drive	2	ea	$ 5,000.00	$ 10,000	
CENTRAL COOLING EQUIPMENT			$ -		
VRF Air-Cooled Condensing Unit	129	tons	$ 2,800.00	$ 361,200	
VRF Indoor Fan Coil Unit	95	ea	$ 3,000.00	$ 285,000	
Branch Controller	17	ea	$ 5,200.00	$ 88,400	
CENTRAL AIR HANDLING EQUIPMENT			$ -		
RTU-1 & 2 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 5,500 cfm (Gym)	2	ea	$ 143,000.00	$ 286,000	
RTU-3 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 6,500 cfm (Cafeteria)	1	ea	$ 169,000.00	$ 169,000	
DOAS-1 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 2,500 cfm	1	ea	$ 72,500.00	$ 72,500	
DOAS-2 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 5,250 cfm	1	ea	$ 192,500.00	$ 192,500	
DOAS-3 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 4,400 cfm	1	ea	$ 148,500.00	$ 148,500	
DOAS-4 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 5,500 cfm	1	ea	$ 121,500.00	$ 121,500	
MAU-1 Kitchen makeup air unit with HW Heating 3,425 cfm	1	ea	$ 55,000.00	$ 55,000	
Roof Curbs & Dunnage	8	ea	$ 6,000.00	$ 48,000	
HVAC TERMINAL EQUIPMENT			$ -		
ERV indoor unit with energy recovery 600 cfm	1	ea	$ 12,000.00	$ 12,000	
AC-1 - Ductless Split AC Indoor Unit (18 MBH / 1.5 Ton)	7	ea	$ 3,500.00	$ 24,500	
CU-1 - Ductless Split AC Condensing Unit (18 MBH / 1.5 Ton)	7	ea	$ 6,200.00	$ 43,400	
CUH-1 (HW Cabinet Unit Heater)	14	ea	$ 1,800.00	$ 25,200	
UH-1 (HW Unit Heater)	3	ea	$ 1,400.00	$ 4,200	
EUH-1 (Electric Unit Heater)	2	ea	$ 1,400.00	$ 2,800	
RCP - Radiant Ceiling Panel, 24" wide	1,359	lf	$ 140.00	$ 190,260	
				TOTAL HVAC	**$ 6,969,627**
26 00 00 - ELECTRICAL					
ELECTRICAL GENERAL REQUIREMENTS					
Coordination support	1	ls	$ 90,000.00	$ 90,000	
Permits and fees	1	ls	$ 45,000.00	$ 45,000	
Commissioning support	1	ls	$ 75,000.00	$ 75,000	
Temporary power and lighting,	86,760	sf	$ 1.00	$ 86,760	
SERVICE AND DISTRIBUTION (NORMAL POWER)			$ -		
Meter socket	1	ea	$ 800.00	$ 800	
Power monitoring	1	ea	$ 24,000.00	$ 24,000	
2500A 120/208V main switchboard	1	ea	$ 110,000.00	$ 110,000	
1200A 120/208V distribution panelboard	1	ea	$ 45,000.00	$ 45,000	
800A 120/208V distribution panelboard	1	ea	$ 25,000.00	$ 25,000	
225A 120/208V distribution panelboard	1	ea	$ 5,500.00	$ 5,500	
600A 120/208V panelboard	1	ea	$ 9,500.00	$ 9,500	
225A 120/208V double tub panelboard	3	ea	$ 6,000.00	$ 18,000	
225A 120/208V panelboard	2	ea	$ 3,200.00	$ 6,400	
225A 120/208V exterior panelboard in freestanding enclosure	1	ea	$ 5,000.00	$ 5,000	
100A 120/208V panelboard	3	ea	$ 2,100.00	$ 6,300	
60A 120/208V panelboard	1	ea	$ 1,800.00	$ 1,800	
1200A feed	30	lf	$ 635.00	$ 19,050	
800A feed	32	lf	$ 418.00	$ 13,376	
600A feed	200	lf	$ 296.00	$ 59,200	
300A feed underslab	40	lf	$ 120.00	$ 4,800	
225A feed	855	lf	$ 92.00	$ 78,660	
225A feed underslab	610	lf	$ 85.00	$ 51,850	
100A feed	275	lf	$ 44.00	$ 12,100	
60A feed	385	lf	$ 31.00	$ 11,935	
60A feed underslab	205	lf	$ 28.00	$ 5,740	
SERVICE AND DISTRIBUTION (GENERATOR)			$ -		
HO PENN quotation	1	ea	$ 139,857.00	$ 139,857	
300KW diesel fueled generator set in weatherproof enclosure labor to install	1	ea	$ 13,500.00	$ 13,500	

DOWNES CONSTRUCTION COMPANY

GREENEVILLE ELEMENTARY SCHOOL

Drawings Dated: 10/25/2024

Estimate Date: 11/08/2024

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Construction Document

ESTIMATE DETAIL

ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	**Qty**	**Unit**	**Unit Price**	**Subtotal**	**Total**
800A 3 pole automatic transfer switch labor to install	1	ea	$ 15,600.00	$ 15,600	
100A 3 pole automatic transfer switch labor to install	1	ea	$ 4,200.00	$ 4,200	
800A 120/208V distribution panelboard	1	ea	$ 25,000.00	$ 25,000	
100A 120/208V panelboard	9	ea	$ 2,100.00	$ 18,900	
50A 120/208V panelboard	3	ea	$ 1,800.00	$ 5,400	
800A feed	60	lf	$ 418.00	$ 25,080	
150A feed	175	lf	$ 62.00	$ 10,850	
100A feed	725	lf	$ 44.00	$ 31,900	
100A feed underslab	240	lf	$ 38.00	$ 9,120	
50A feed underslab	215	lf	$ 25.00	$ 5,375	
50A feed MI	205	lf	$ 31.00	$ 6,355	
UPS			$ -		
No work this section			$ -		
GROUNDING SYSTEM			$ -		
Building / Equipment Grounding System	86,760	sf	$ 0.50	$ 43,380	
UL lightning protection system	86,760	sf	$ 0.60	$ 52,056	
EQUIPMENT CONNECTIONS			$ -		
WH-1 - Gas Fired Water Heaters - Condensing (399 MBH, 130 Gallon) feed and connection	2	ea	$ 500.00	$ 1,000	
RP-1 - Hot Water Recirc Pump) feed and connection	1	ea	$ 400.00	$ 400	
SP-1 - Submersible Pump, Elevator) feed and connection feed and connection	1	ea	$ 1,200.00	$ 1,200	
KEF-1 - Kitchen Hood Grease Exhaust Fan (6,000 cfm) feed and connection	1	ea	$ 4,000.00	$ 4,000	
HVLS - High Volume Low Velocity (Gym) feed and connection	4	ea	$ 750.00	$ 3,000	
B-1 thru 3 - Gas Fired Condensing Boiler (1,500 MBH) feed and connection	3	ea	$ 1,500.00	$ 4,500	
P-1 thru 3 - HW In-Line Circulation Boiler Pump feed and connection	3	ea	$ 2,500.00	$ 7,500	
P-4 & 5 - HW Base-Mounted Circulation Pump feed and connection	2	ea	$ 2,000.00	$ 4,000	
VRF Air-Cooled Condensing Unit feed and connection	1	ea	$ 12,000.00	$ 12,000	
VRF Indoor Fan Coil Unit feed and connection	100	ea	$ 250.00	$ 25,000	
Branch Controller feed and connection	17	ea	$ 250.00	$ 4,250	
RTU-1 & 2 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 5,500 cfm (Gym) feed and connection	2	ea	$ 4,000.00	$ 8,000	
RTU-3 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 6,500 cfm (Cafeteria) feed and connection	1	ea	$ 4,000.00	$ 4,000	
DOAS-1 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 2,500 cfm feed and connection	1	ea	$ 2,000.00	$ 2,000	
DOAS-2 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 5,250 cfm feed and connection	1	ea	$ 4,000.00	$ 4,000	
DOAS-3 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 4,400 cfm feed and connection	1	ea	$ 3,500.00	$ 3,500	
DOAS-4 DX Cooling w/ Hot Gas Reheat / HW Heating / ERW 5,500 cfm feed and connection	1	ea	$ 4,000.00	$ 4,000	
AC-1 - Ductless Split AC Indoor Unit (12 MBH / 1 Ton) feed and connection	1	ea	$ 250.00	$ 250	
CU-1 - Ductless Split AC Condensing Unit (12 MBH / 1 Ton) feed and connection	1	ea	$ 1,100.00	$ 1,100	
AC-1 - Ductless Split AC Indoor Unit (24 MBH / 2 Ton) feed and connection	1	ea	$ 250.00	$ 250	
CU-1 - Ductless Split AC Condensing Unit (24 MBH / 2 Ton) feed and connection	1	ea	$ 1,100.00	$ 1,100	
CUH-1 (HW Cabinet Unit Heater) feed and connection	10	ea	$ 750.00	$ 7,500	
AC-1 - Ducted Split AC Indoor Unit (36 MBH / 3 Ton)	1	ea	$ 1,100.00	$ 1,100	
CU-1 - Ductless Split AC Condensing Unit (36 MBH / 3 Ton)	1	ea	$ 750.00	$ 750	
UH-1 (HW Unit Heater) feed and connection	16	ea	$ 750.00	$ 12,000	
MAU-1 Kitchen makeup air unit with HW Heating 5,500 cfm feed and connection	1	ea	$ 2,500.00	$ 2,500	
ERV feed and connection	1	ea	$ 750.00	$ 750	
Cord reel feed and connection	6	ea	$ 1,100.00	$ 6,600	
ARC-A Hydronic Air Curtain 2500 cfm feed and connection	1	ea	$ 1,200.00	$ 1,200	
Equipment wiring allowance	86,760	sf	$ 0.50	$ 43,380	
FOOD SERVICE EQUIPMENT CONNECTIONS			$ -		
Kitchen equipment wiring allowance	1	ls	$ 20,000.00	$ 20,000	
LIGHTING CONTROLS			$ -		
Networked lighting controls			$ -		
Labor to install below			$ -		
Lighting Affiliates Quote (fixtures & control) included below w/lighting quote			$ -		
Room controller	138	ea	$ 150.00	$ 20,700	
LK1 - Lighting control keypad	40	ea	$ 75.00	$ 3,000	
LK2 - Lighting control keypad	40	ea	$ 75.00	$ 3,000	
OS - Ceiling mounted occupancy sensor	43	ea	$ 75.00	$ 3,225	
VS - Ceiling mounted vacancy sensor	35	ea	$ 75.00	$ 2,625	
PC - Ceiling mounted photo sensor	38	ea	$ 75.00	$ 2,850	
R - Emergency lighting relay	21	ea	$ 75.00	$ 1,575	
S - Single pole switch	8	ea	$ 25.00	$ 200	
Single pole key switch	14	ea	$ 25.00	$ 350	
SlvD - Low voltage dimmer	57	ea	$ 25.00	$ 1,425	
Sos - Single pole switch w/occ sensor	25	ea	$ 75.00	$ 1,875	
Threeway switch	9	ea	$ 30.00	$ 270	
Device box	468	ea	$ 32.00	$ 14,976	
3/4" EMT	4,513	lf	$ 11.00	$ 49,641	
#12 THHN	20,308	lf	$ 1.10	$ 22,339	
12/2 MC	4,513	lf	$ 6.00	$ 27,077	
Low voltage circuitry	8,357	lf	$ 2.00	$ 16,714	
INTERIOR LIGHTING / BRANCH WIRING			$ -		

DOWNES CONSTRUCTION COMPANY

GREENEVILLE ELEMENTARY SCHOOL

Construction Document
ESTIMATE DETAIL

Drawings Dated: 10/25/2024
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ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
Lighting Affiliates Quote (fixtures & control)	1	ls	$ 1,264,094.00	$ 1,264,094	
lighting fixture adjustment	1	ls	$ 60,000.00	$ 60,000	
Labor to install below			$ -		
Type A linear pendant	3,200	lf	$ 25.00	$ 80,000	
Type AD linear pendant	595	lf	$ 25.00	$ 14,875	
Type AR linear recessed	75	lf	$ 25.00	$ 1,875	
Type B2L 2x2	203	ea	$ 150.00	$ 30,450	
Type B2H 2x2	99	ea	$ 150.00	$ 14,850	
Type B4 2x4	1	ea	$ 150.00	$ 150	
Type D3 downlight not scheduled	6	ea	$ 150.00	$ 900	
Type D4B 4" downlight	4	ea	$ 150.00	$ 600	
Type D4L 4" downlight	91	ea	$ 150.00	$ 13,650	
Type D4 4" downlight	77	ea	$ 150.00	$ 11,550	
Type D4S 4" downlight exterior	16	ea	$ 150.00	$ 2,400	
Type F4 2x4 flat panel	16	ea	$ 150.00	$ 2,400	
Type G high bay	24	ea	$ 225.00	$ 5,400	
Type H linear cove	165	lf	$ 25.00	$ 4,125	
Type J vanity fixture	125	lf	$ 25.00	$ 3,125	
Type K pendant cylinder	3	ea	$ 150.00	$ 450	
Type P4 pendant ring fixture	2	ea	$ 75.00	$ 150	
Type P5 pendant ring fixture	8	ea	$ 150.00	$ 1,200	
Type P6 pendant ring fixture	2	ea	$ 300.00	$ 600	
Type P9 pendant ring fixture	1	ea	$ 450.00	$ 450	
Type Q	3	ea	$ 150.00	$ 450	
Type U 4' strip	52	ea	$ 75.00	$ 3,900	
Type WM4 4" stairwell	41	ea	$ 150.00	$ 6,150	
Type SW1 wallpack	9	ea	$ 150.00	$ 1,350	
Exit sign	51	ea	$ 75.00	$ 3,825	
Device box	1,402	ea	$ 32.00	$ 44,864	
3/4" EMT	14,000	lf	$ 10.50	$ 147,000	
#12 THHN	63,000	lf	$ 1.10	$ 69,300	
12/2 MC	14,000	lf	$ 6.00	$ 84,000	
BRANCH POWER			$ -		
Branch devices			$ -		
Duplex receptacle	213	ea	$ 30.00	$ 6,390	
Duplex receptacle 1/2 switched	248	ea	$ 30.00	$ 7,440	
Double duplex receptacle	2	ea	$ 79.00	$ 158	
Double duplex receptacle 1/2 switched	85	ea	$ 79.00	$ 6,715	
GFI duplex receptacle	48	ea	$ 45.00	$ 2,160	
GFI duplex receptacle switched	44	ea	$ 45.00	$ 1,980	
GFI double duplex receptacle switched	44	ea	$ 80.00	$ 3,520	
Special purpose outlet	74	ea	$ 82.00	$ 6,068	
PL - plug load controller	121	ea	$ 350.00	$ 42,350	
Floor box	1	ea	$ 300.00	$ 300	
Poke thru device	2	ea	$ 300.00	$ 600	
Device plate	758	ea	$ 5.60	$ 4,245	
Device box	879	ea	$ 32.00	$ 28,128	
3/4" EMT	9,339	lf	$ 11.00	$ 102,733	
#12 THHN	42,027	lf	$ 1.10	$ 46,230	
12/2 MC	9,339	lf	$ 6.00	$ 56,036	
TELECOMMUNICATIONS			$ -		
Telecommunication Infrastructure			$ -		
MDF/IDF fit-out	1	ls	$ 25,000.00	$ 25,000	
Device box with conduit to accessable ceiling	300	ea	$ 175.00	$ 52,500	
Horizontal cabling support system	1	ls	$ 50,000.00	$ 50,000	
Rough-in not yet shown	86,760	sf	$ 0.30	$ 26,028	
AUDIO VISUAL			$ -		
Audio Visual Infrastructure			$ -		
Audiovisual rough-in and power connections	86,760	sf	$ 1.00	$ 86,760	
P/A SYSTEM			$ -		
PA/master clock system			$ -		
Head-end	1	ls	$ 7,500.00	$ 7,500	
Speaker	123	ea	$ 500.00	$ 61,500	
Horn speaker	12	ea	$ 600.00	$ 7,200	
Device box w/conduit to accessable ceiling	135	ea	$ 150.00	$ 20,250	
Circuitry	13,500	lf	$ 2.30	$ 31,050	
PA/master clock system	86,760	sf	$ 0.70	$ 60,732	
PHOTOVOLTAIC SYSTEM			$ -		
PV Rough-In	1	ls	$ 15,000.00	$ 15,000	
				TOTAL ELECTRICAL	**$ 4,212,723**

GREENEVILLE ELEMENTARY SCHOOL

Drawings Dated: 10/25/2024
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ESTIMATE DETAIL	Construction Documents					86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price		Subtotal	Total
27 10 00 - COMMUNICATIONS SYSTEMS						
TELECOMMUNICATIONS						
Devices and cabling						
Telephone device	2	ea	$	50.00	$ 100	
Data device	153	ea	$	50.00	$ 7,650	
Tele/data device	93	ea	$	115.00	$ 10,695	
WAP	52	ea	$	1,200.00	$ 62,400	
CAT cabling	58,000	lf	$	2.30	$ 133,400	
Devices and cabling not yet shown	86,760	sf	$	1.50	$ 130,140	
AUDIO / VIDEO SOUND SYSTEMS FIT-OUT			$	-		
Classroom and general building AV	86,760	sf	$	2.00	$ 173,520	
Gymnasium AV	1	ls	$	50,000.00	$ 50,000	
Cafeteria AV	1	ls	$	75,000.00	$ 75,000	
Conference room AV	1	ls	$	15,000.00	$ 15,000	
					TOTAL COMMUNICATIONS	**$ 657,905**
28 10 00 - FIRE ALARM						
FIRE ALARM						
Addressable fire alarm system						
Fire alarm control panel	1	ea	$	12,000.00	$ 12,000	
Fire alarm remote annunciator	1	ea	$	1,600.00	$ 1,600	
Fire alarm transponder panel	3	ea	$	3,500.00	$ 10,500	
BDA annunciator	1	ea	$	1,600.00	$ 1,600	
BDA repeater	1	ea	$	1,200.00	$ 1,200	
Exterior beacon	2	ea	$	320.00	$ 640	
Knox box	2	ea	$	350.00	$ 700	
Manual pull station	1	ea	$	250.00	$ 250	
Smoke detector	28	ea	$	250.00	$ 7,000	
CO2 detector	3	ea	$	250.00	$ 750	
Heat detector	3	ea	$	250.00	$ 750	
Audio/visual device	131	ea	$	250.00	$ 32,750	
Visual device	27	ea	$	250.00	$ 6,750	
Elevator recall connection	2	ea	$	300.00	$ 600	
Monitoring/control module	20	ea	$	300.00	$ 6,000	
Device box	226	ea	$	32.00	$ 7,232	
3/4" EMT	5,500	lf	$	11.00	$ 60,500	
#14 THHN	16,500	lf	$	1.00	$ 16,500	
FAMC	5,500	lf	$	6.00	$ 33,000	
FA circuitry	11,000	lf	$	2.30	$ 25,300	
Testing and programming	1	ls	$	8,500.00	$ 8,500	
Addressable fire alarm system	86,760	sf	$	0.60	$ 52,056	
					TOTAL FIRE ALARM	**$ 286,178**
28 20 00 - SECURITY SYSTEMS						
ACCESS CONTROL & INTRUSION DETECTION						
Access control						
Head-end equipment	1	ls	$	5,000.00	$ 5,000	
Card reader	11	ea	$	500.00	$ 5,500	
Prop alarm	17	ea	$	350.00	$ 5,950	
Keypad	2	ea	$	500.00	$ 1,000	
ADA push plate	4	ea	$	250.00	$ 1,000	
Magnetic door holder	24	ea	$	350.00	$ 8,400	
Audio intercom station	1	ea	$	650.00	$ 650	
Video intercom station	1	ea	$	800.00	$ 800	
Video intercom master station	1	ea	$	1,500.00	$ 1,500	
Duress button	1	ea	$	450.00	$ 450	
Device box w/conduit to accessable ceiling	62	ea	$	150.00	$ 9,300	
Circuitry	8,000	lf	$	2.30	$ 18,400	
Access control not yet shown	86,760	sf	$	0.50	$ 43,380	
Intrusion detection			$	-		
Head-end equipment	1	ls	$	5,000.00	$ 5,000	
Motion detector	13	ea	$	400.00	$ 5,200	
Glass break device	55	ea	$	400.00	$ 22,000	
Device box w/conduit to accessable ceiling	68	ea	$	150.00	$ 10,200	
Circuitry	8,500	lf	$	2.50	$ 21,250	
Intrusion detection not yet shown	86,760	sf	$	0.75	$ 65,070	
CCTV			$	-		
CCTV			$	-		
Head-end equipment	1	ls	$	5,000.00	$ 5,000	
CCTV camera (C1)	9	ea	$	2,000.00	$ 18,000	
CCTV camera (C2)	6	ea	$	2,000.00	$ 12,000	
CCTV camera (E1)	2	ea	$	2,000.00	$ 4,000	
CCTV camera (W1)	16	ea	$	2,000.00	$ 32,000	
CCTV camera (S2) WP	21	ea	$	2,500.00	$ 52,500	
CCTV camera (E1) WP	1	ea	$	2,500.00	$ 2,500	

DOWNES CONSTRUCTION COMPANY

GREENEVILLE ELEMENTARY SCHOOL

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ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
Device box w/conduit to accessable ceiling	55	ea	$ 150.00	$ 8,250	
Circuitry	7,100	lf	$ 2.50	$ 17,750	
CCTV not yet shown	86,760	sf	$ 0.25	$ 21,690	
				TOTAL SECURITY	$ 403,740
26 56 00 - SITE ELECTRICAL					
SITE POWER DISTRIBUTION:					
New riser (electrical)	1	ea	$ 4,000.00	$ 4,000	
New Manhole (electrical)	1	ea	$ 8,806.00	$ 8,806	
Primary service duct bank allow 2-4" PVC, empty - allow	700	lf	$ 51.80	$ 36,260	
Pad mounted utility transformer	1	ea	$ -	$ -	
Transformer pad grounding	1	ea	$ 1,243.20	$ 1,243	
Secondary service duct bank with 2500A feeder allow	100	lf	$ 1,243.20	$ 124,320	
Generator service ductbank	65	lf	$ 569.80	$ 37,037	
Generator pad grounding	1	ea	$ 1,243.20	$ 1,243	
400A feed to EVP1 underground	270	lf	$ 186.48	$ 50,350	
225A feed to EVP2 underground	120	lf	$ 103.60	$ 12,432	
120V for cameras	755	lf	$ 15.54	$ 11,733	
SITE LIGHTING					
Site lighting & circuitry					
Material included w/lighting quote above					
Labor to install below					
Site lighting fixture Type SA3 pole mount	13	ea	$ 466.20	$ 6,061	
Site lighting fixture Type SA5 pole mount	1	ea	$ 466.20	$ 466	
Site lighting fixture Type SL2BC pole mount	5	ea	$ 466.20	$ 2,331	
Site lighting fixture Type SL3BC pole mount	5	ea	$ 466.20	$ 2,331	
Site lighting fixture Type SL3 pole mount	5	ea	$ 466.20	$ 2,331	
Site lighting fixture Type SL5 pole mount	10	ea	$ 466.20	$ 4,662	
Site lighting circuitry	3,800	lf	$ 15.54	$ 59,052	
SITE COMMUNICATIONS:					
New riser (Communications)	1	ea	$ 4,144.00	$ 4,144	
New handhole (Communications)	1	ea	$ 2,590.00	$ 2,590	
Communications duct bank 3-4" PVC, empty - allow	735	lf	$ 77.70	$ 57,110	
EV CHARGING STATION:					
EV charging station allow 10 dual with circuitry	14	ea	$ 14,763.00	$ 206,682	
New handhole (EV Communications)	2	ea	$ 777.00	$ 1,554	
EV communications	885	lf	$ 10.36	$ 9,169	
				TOTAL SITE ELECTRICAL	$ 645,906
31 00 00 - SITEWORK					
MOBILIZATION / SITE LAYOUT					
Mobilization / Demobilization	1	ls	$ 32,198.88	$ 32,199	
6' H Chain Link Fence Enclosure (put up, maintain & remove)	2,300	lf	$ 47.72	$ 109,756	
Temp Double Gate	4	ea	$ 3,219.89	$ 12,880	
Temporary Fence Maintenance	20	mos	$ 542.01	$ 10,840	
Site Safety	1	ls	$ 16,099.44	$ 16,099	
General Dewatering (Localized Pumping Only)	1	ls	$ 16,099.44	$ 16,099	
Site Ground Maintenance	1	ls	$ 10,732.96	$ 10,733	
Site Logistics	1	ls	$ 53,664.80	$ 53,665	
Survey & Layout (controls)	1	ls	$ 64,397.76	$ 64,398	
Construction Trailer Area	1	LS	$ 8,049.72	$ 8,050	
Staging & Laydown Area	1	ls	$ 8,049.72	$ 8,050	
Phasing Coordination	1	ea	$ 155,400.00	$ 155,400	
EROSION CONTROL					
Haybales & Silt Fence at Site Perimeter	2,300	lf	$ 10.36	$ 23,828	
Haybales & Silt Fence at Loam Stockpile Area	500	lf	$ 10.36	$ 5,180	
Haybales & Silt Fence at Settling Basin	250	lf	$ 10.36	$ 2,590	
Eroison Control Blankets	50,000	SF	$ 0.88	$ 44,030	
Construction Entrance	2	EA	$ 2,900.80	$ 5,802	
Tree Protection - Fencing A	1	ls	$ 10,732.96	$ 10,733	
Maintain Erosion Control	20	mos	$ 214.66	$ 4,293	
Site Sweeping, Dust & Traffic Control	1	ls	$ 16,099.44	$ 16,099	
Concrete washout area	1	ls	$ 5,366.48	$ 5,366	
GENERAL SITEWORK & REMOVALS					
Clear & Grub Site	349,284	sf	$ 0.21	$ 72,372	
Demo & Load Asphalt Paving	39,462	sf	$ 0.67	$ 26,574	
Export Asphalt Paving	592	ton	$ 15.54	$ 9,200	
Demo & Load Concrete Flatwork (sidewalks, pads, etc.)	1,165	sf	$ 5.18	$ 6,035	
Demo playground areas	5,708	sf	$ 1.04	$ 5,913	
Demo Bollard(s)	26	ea	$ 259.00	$ 6,734	
Demo Fencing	220	lf	$ 8.29	$ 1,823	
Demo Utility Structures (CB's, MH's, Transformer Pads, etc.)	3	ea	$ 932.40	$ 2,797	
Sawcut road	300	lf	$ 2.07	$ 622	

GREENEVILLE ELEMENTARY SCHOOL

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ESTIMATE DETAIL	Construction Documents				86,760 sf
DESCRIPTIONS	Qty	Unit	Unit Price	Subtotal	Total
EARTH MOVING (MASS EARTHWORK)					
Strip topsoil, stockpile (Assumed 6")	7,706	CY	$ 5.41	$ 41,685	
Cut & Fill Dirt (MASS)	62,740	CY	$ 5.41	$ 339,386	
Cut & Fill Rock (MASS)	126,760	CY	$ 6.48	$ 821,748	
Export Fill Dirt (INCLUDES EXCESS TOPSOIL/TAILINGS)	53,640	CY	$ 24.23	$ 1,299,650	
Export Fill Rock (ANY AND ALL EXCAVATED ROCK NOT PROCESSED)	88,618	CY	$ 20.39	$ 1,807,154	
ROCK REMOVAL					
Blasting Sub Mob	1	LS	$ 37,565.36	$ 37,565	
Mass Rock Blasting - FROM CUT/FILL QTY	138,000	CY	$ 12.43	$ 1,715,616	
Mass Rock Blasting - FROM RETAINING WALLS	18,050	CY	$ 12.43	$ 224,398	
Mass Rock Blasting - FROM FOOTING EXCAVATION	3,800	CY	$ 12.43	$ 47,242	
Mass Rock Blasting - FROM SAFETY SLOPES @ BUILDING EXCAVATION	3,450	CY	$ 12.43	$ 42,890	
Mass Rock Blasting - FROM ADDT' 2' OVERBLAST BLDG FOOTPRINT	2,500	CY	$ 12.43	$ 31,080	
protection	1	ls	$ 74,592.00	$ 74,592	
Trench Rock Blasting	3,300	CY	$ 40.79	$ 134,591	
Rock Crushing Operation	80,000	TN	$ 8.77	$ 701,506	
Rock Crushing Operation - ADD 10,000/TON AS A BUFFER	10,000	TN	$ 8.77	$ 87,688	
UNKNOWN ROCK/RETAINING WALL ALLOWANCE	1	LS	$ 250,000.00	$ 250,000	
Export rock	75,000	TN	$ 9.00	$ 675,000	
Building Foundation & Slab Excavation					
Export Fill Generated from Footing & Bedding (CARRIED ABOVE)	3,800	CY	$ -	$ -	
Export Fill Generated from Trenches (CARRIED ABOVE)	3,300	CY	$ -	$ -	
Footing Excavation (ASSUME STONE AND FABRIC)	1,530	LF	$ 56.98	$ 87,193	
Backfill Walls & Footings	1,530	LF	$ 58.02	$ 88,779	
Peir Excavation & Backfill	40	EA	$ 1,395.28	$ 55,811	
Elevator Pit Excavation & Backfill	1	EA	$ 2,683.24	$ 2,683	
UNDERSLAB PLUMBING	1,000	LF	$ 31.08	$ 31,080	
FINEGRADE - Building Slab on Grade	47,310	SF	$ 0.54	$ 25,487	
INSTALL-Crushed Stone - 3/4" (8") at Slab on Grade Areas	47,310	SF	$ 1.30	$ 61,266	
INSTALL-Structural Fill (16") at Slab on Grade Areas	47,310	SF	$ 2.07	$ 98,026	
General Grading - Aggregate, Stone & Gravel Bases & Compaction					
Fine Grading & Compaction (2 lifts) @ PAVED AREAS	91,620	sf	$ 0.54	$ 49,659	
Processed Aggregate Base (6") at Parking & Roadways	2,542	cy	$ 31.08	$ 78,992	
Gravel Base (12") at Parking & Roadways	5,083	cy	$ 31.08	$ 157,983	
Crushed Stone Base (6") at Poured Playground Areas	292	cy	$ 36.26	$ 10,596	
Fine Grading & Compaction at Poured Playground Areas	13,150	sf	$ 0.54	$ 7,127	
Processed Aggregate Base (8") at Sidewalks	755	cy	$ 62.16	$ 46,923	
Fine Grading & Compaction at Sidewalks (+20% compaction)	25,350	sf	$ 0.54	$ 13,740	
Processed Aggregate Base (8") at Concrete Pads	20	cy	$ 67.34	$ 1,364	
Fine Grading & Compaction at Concrete Pads	680	sf	$ 0.54	$ 369	
EXTERIOR IMPROVEMENTS					
Asphalt Paving					
Heavy Duty Bituminous at Roads & Parking Areas (INCLUDES DRIVEWAY TO HOWARD)	37,065	sf	$ 5.18	$ 191,997	
Standard Duty Bituminous at Roads & Parking Areas	65,895	sf	$ 4.66	$ 307,202	
Standard Duty Bituminous at Basketball Court & Play Areas Areas	9,750	sf	$ 4.66	$ 45,455	
Pavement patching to new aprons in street	1	ls	$ 16,099.44	$ 16,099	
Pavement Markings	1	ls	$ 32,198.88	$ 32,199	
Line Striping - Center Stripe	1	ls	$ -	in Above	
Line Striping - Parking Spaces	1	ls	$ -	in Above	
Line Striping - HC Spaces	1	ls	$ -	in Above	
Line Striping - Cross Walk	1	ls	$ -	in Above	
Line Striping - Fire Lane	1	ls	$ -	in Above	
Line Striping - Directional Arrows, Symbols, Etc.	1	ls	$ -	in Above	
Line Striping - Basketball Court	1	ls	$ -	in Above	
Curbing					
Concrete Curb (mono)		ls		Site Concrete	
Concrete Curb		ls		Site Concrete	
Bituminous curbing	3,668	lf	$ 10.23	$ 37,506	
Wheel Stops at Handicap Spaces	8	ea	$ 165.76	$ 1,326	
SITE CONCRETE					
Exterior Entrance Slabs (w/24" Integral Frostwall)	566	sf	$ 23.13	$ 13,091	
Sidewalks	24,060	sf	$ 18.00	$ 433,080	
Sidewalk Premium with monolithic curbs	2,670	sf	$ 11.19	$ 29,874	
Concrete Stairs at Gym Parking Area	1	ea	$ 12,432.00	$ 12,432	
C.I.P. Concrete Curbs	362	lf	$ 52.59	$ 19,038	
C.I.P. Concrete Curbs at Pre-K Playground Fence Perimeter	204	lf	$ 55.81	$ 11,386	
Tactile Warning Strips @ flush sidewalks	1,142	sf	$ 12.43	$ 14,197	
Dumpster Pads	120	sf	$ 15.54	$ 1,865	
Site Generator/Mechanical Pads	740	ls	$ 15.54	$ 11,500	
Bollard Bases	32	ea	$ 310.80	$ 9,946	
Lightpole Bases	34	ea	$ 569.80	$ 19,373	
Sign Bases	38	ea	$ 207.20	$ 7,874	
Flagpole Base	1	ea	$ 828.80	$ 829	
Retaining Wall (1C) - Footings (Straight & Radius)	75	cy	$ 1,056.93	$ 79,270	
Retaining Wall (1C) - Walls (Straight & Radius)	142	cy	$ 1,056.93	$ 150,084	
Retaining Wall (4C) - Footings (South of Bridge Extension)	21	cy	$ 1,056.93	$ 22,195	

DOWNES CONSTRUCTION COMPANY

Construction Document
ESTIMATE DETAIL

GREENEVILLE ELEMENTARY SCHOOL

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ESTIMATE DETAIL	Construction Documents					86,760 sf
DESCRIPTIONS	Qty	Unit		Unit Price	Subtotal	Total
Retaining Wall (4C) - Walls (South of Bridge Extension)	40	cy	$	1,056.93	$ 42,277	
Cast-in Place Entry Stairs, Walls & Risers	5	sf	$	1,056.93	$ 5,285	
Retaining Walls						
Modular & Precast Block Walls	22,070	sf	$	98.42	$ 2,172,129	
Rock face anchors and netting	26,827	sf	$	40.00	$ 1,073,080	
Unit Pavers						
Brick Pavers	-	sf			C - Excluded	
Concete Pavers	-	sf			C - Excluded	
Athletic & Recreational Surfaces						
Wood Multch play areas	12,950	sf	$	30.00	$ 388,500	
Synthetic Playground Surfaces		sf				
Rough Loam (assumed reuse)						
Topsoil over Cut & Fill areas - 6" (+20% Swell)	4,344	cyd	$	39.37	$ 171,015	
Planting Soils & Mulch in Islands - 12" (+20% Swell)	1,213	cyd	$	47.66	$ 57,816	
Screen top soil	5,550	cy	$	6.73	$ 37,374	
Landscaping						
Fine Grade and seed	195,450	sf	$	0.21	$ 40,256	
Plant Materials	1	allow	$	100,582.53	$ 100,583	
Groundcover	1	ls	$	4.13	in Above	
Shrubs	1	ls	$	340.07	in Above	
Trees (medium)	1	ls	$	1,831.13	in Above	
cedars	210	ea	$	25.00	$ 5,250	
Fencing						
Fencing - Vinyl Dumpster Enclosure 8' H	64	lf	$	82.88	$ 5,304	
Gate - Vinyl at Dumpster Enclosure 8' H - Double	1	ea	$	932.40	$ 932	
Fencing - Chain Link 6'	820	lf	$	62.16	$ 50,971	
Fencing - Chain Link 8'	110	lf	$	103.60	$ 11,396	
Fencing - Chain Link 4'	3,114	lf	$	55.94	$ 174,210	
Fencing - Chain Link 10'	258	lf	$	72.52	$ 18,710	
Timber Guardrail	916	lf	$	64.23	$ 58,837	
Gate - Chain Link Swinging Single	3	ea	$	804.97	$ 2,415	
Gate - Chain Link Swinging Double	4	ea	$	1,609.94	$ 6,440	
Site Specialties						
Bench 6' (Includes Play Areas)	15	ea	$	1,931.93	$ 28,979	
Trash/Recycling Receptacle (Includes Play Areas)	2	ea	$	1,073.30	$ 2,147	
Bike Racks	11	ea	$	1,931.93	$ 21,251	
Flag Poles	1	ea	$	3,756.54	$ 3,757	
Basketball Backstops	2	ea	$	3,756.54	$ 7,513	
Precast Bollards	32	ea	$	787.36	$ 25,196	
Flagpole	1	ea	$	2,683.24	$ 2,683	
Misc.concrete pads (Benches/Bike Racks/Trash Receptacles/Entry Sign)	1	ls	$	21,465.92	$ 21,466	
Bollards	4	ea	$	751.31	$ 3,005	
Bollards - Stainless changed with VE to plastic coverover steel	28	ea	$	1,019.63	$ 28,550	
Signage - Traffic & Directional	1	ls	$	8,130.22	$ 8,130	
Signage - Site	1	ls	$	8,049.72	$ 8,050	
PLAYGROUND EQUIP. ALLOWANCE	1	ls	$	380,000.00	$ 380,000	
SITE UTILITIES						
Water Systems						
4" DI Water	37	LF	$	106.71	$ 3,903	
6" DI Water	345	LF	$	108.78	$ 37,555	
8" DI Water	1,044	LF	$	119.14	$ 124,337	
Fire Hydrant	5	EA	$	8,184.40	$ 40,922	
Misc valves and Testing	1	ls	$	25,900.00	$ 25,900	
Sanitary Sewer						
6"PVC Sanitary	725	LF	$	63.20	$ 45,817	
8"PVC Sanitary	270	LF	$	82.88	$ 22,378	
Sanitary Manhole (<10' Deep)	2	EA	$	6,216.00	$ 12,432	
Grease Trap	1	EA	$	21,515.60	$ 21,516	
Storm Drainage						
4" PVC Underdrain @ Playgrounds	1,238	LF	$	24.69	$ 30,563	
8" PVC	1,507	LF	$	45.08	$ 67,945	
12" HDPE	2,136	LF	$	60.10	$ 128,363	
15" HDPE	139	LF	$	66.54	$ 9,238	
18" HDPE	586	LF	$	99.82	$ 58,541	
24" HDPE	108	LF	$	128.80	$ 13,926	
Storm Manhole (<10' Deep)	5	EA	$	4,829.83	$ 24,149	
Catch Basin (<10' Deep)	24	EA	$	4,293.18	$ 103,036	
Area Drain	11	EA	$	3,219.89	$ 35,419	
Site Trench Drains	25	LF	$	429.32	$ 10,577	
6" PVC Retaining Wall Drain	3,814	LF	$	37.57	$ 53,277	
Hydrodynamic Seperator	1	EA	$	19,319.33	$ 19,319	
Outlet Control Structure	2	EA	$	8,586.37	$ 17,173	
Site electrical						
Electrical Service; incoming - Allow (conduit, exc and backfill only, feeders in elect)	600	LF	$	62.16	$ 37,296	
Communication Service (4) 4"C	600	LF	$	62.16	$ 37,296	
Concrete encasement	300	LF	$	139.86	$ 41,958	

DOWNES CONSTRUCTION COMPANY

Construction Document
ESTIMATE DETAIL

GREENEVILLE ELEMENTARY SCHOOL

Drawings Dated: 10/25/2024

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ESTIMATE DETAIL	Construction Documents					86,760 sf
DESCRIPTIONS	**Qty**	**Unit**	**Unit Price**	**Subtotal**		**Total**
Excavation & Backfill at Site Lighting Trenching	2,905	LF	$ 20.72	$ 60,192		
F&I Light Pole Bases	40	EA	$ 1,295.00	$ 51,800		
Street tie in (Storm Gas Water x2	5	EA	$ 18,000.00	$ 90,000		
TRAFFIC SIGNAL						
Traffic Signal Allowance	1	ea	$ 300,000.00	$ 300,000		
Gas						
Gas Line Excavation	800	LF	$ 25.90	$ 20,720		
Road Crossings	1	EA	$ 6,439.78	$ 6,440		
				TOTAL SITEWORK	**$**	**17,880,338**
ALLOWANCES						
1 Temporary Utility Consumption	1	ls	$ 250,000.00	$ 250,000		
2 Temporary Enviornmental Controls	1	ls	$ 200,000.00	$ 250,000		
3 Contaminated Soil	1	ls	$ 30,000.00	$ 30,000		
4 Site Retaining Walls 30% Cast-in-place, 30% Block and 40% Open face	1	ls	$ 980,500.00	$ -		agreed allowance
8 TRADE ALLOWANCES						
9 Unforeseen Demolition/Abatement	1	ls	**$ 15,000.00**	**$ 15,000**		
9 Site Maintance	1	ls	**$ 50,000.00**	**$ 50,000**		
9 Additional Surveying	1	ls	**$ 10,000.00**	**$ 10,000**		
9 Misc Concrete	1	ls	**$ 25,000.00**	**$ 25,000**		
9 Masonry Patch and Repair	1	ls	**$ 15,000.00**	**$ 15,000**		
9 Unforeseen Carpentry & General Trades	1	ls	**$ 20,000.00**	**$ 20,000**		
9 Paint Touch-up & Repair	1	ls	**$ 20,000.00**	**$ 20,000**		
9 Ceiling removal and replacement	1	ls	**$ 10,000.00**	**$ 10,000**		
9 Unforseen Firestopping	1	ls	**$ 10,000.00**	**$ 10,000**		
9 Elevator Operator	1	ls	**$ 20,000.00**	**$ 20,000**		
9 Unforseen Floorconditions/Transitions/Expansions	1	ls	**$ 15,000.00**	**$ 15,000**		
9 GMP ALLOWANCES			**$ -**			
9 Storm/Ground Water Management	1	ls	**$ 30,000.00**	**$ 30,000**		
9 Supplemental Steel	1	ls	**$ 15,000.00**	**$ 15,000**		
9 Safety and Temp Protection	1	ls	**$ 30,000.00**	**$ 30,000**		
10 Unforseen Winter Conditions	1	ls	**$ 40,000.00**	**$ 40,000**		
Unknown Site Conditions/Coordination/Rock Issues	1	ls	**$ 100,000.00**	**$ 100,000**		
				TOTAL ALLOWANCES	**$**	**955,000**

Construction Document Estimate

State Project #	104-0119N				
LEA (Local Education Agency)					
School Name	Greeneville Elementary School				
Project Type					
Square Footage of Construction					
Grades					
Enrollment Projections					
Reinbursement Rate		Cost/Square Feet		Ineligible Costs	
Project Cost	$ 79,440,333.65	of Project Costs	Project Ineligible Costs	$	9,478,999.97
All Soft Cost	$ 32,115,668.44	of Soft Costs	Ineligible Soft Costs	$	5,666,045.40
Construction Cost	$ 47,324,665.21	of Construction Cost	Ineligible Construction Costs	$	3,812,954.57
Eligible Construction Costs	$ 43,511,710.64	of Eligible Costs	Percent Ineligible		12%
			Percent Ineligible Less Contingencies		1%

Construction Cost				Cost	Ineligibles
A. SUBSTRUCTURE	A10 FOUNDATIONS	A1010	Standard Foundations	$ 1,956,010.53	$ -
		A1020	Special Foundations	$ -	$ -
		A1030	Slab on Grade	$ -	$ -
	A20 BASEMENTS	A2010	Basement Excavation	$ -	$ -
		A2020	Basement Walls	$ 529,652.36	$ -
B. SHELL	B10 SUPER STRUCTURE	B1010	Floor Construction	$ -	$ -
		B1020	Roof Construction	$ 3,605,633.92	$ -
	B20 EXTERIOR ENCLOSURES	B2010	Exterior Walls	$ 8,062,445.03	$ -
		B2020	Exterior Windows	$ 1,196,010.20	$ -
		B2030	Exterior Doors	$ 243,921.75	$ -
	B30 ROOFING	B3010	Roof Coverings	$ 1,904,397.02	$ -
		B3020	Roof Openings	$ -	$ -
C. INTERIORS	C10 INTERIOR CONSTRUCTION	C1010	Partitions	$ 449,380.37	$ -
		C1020	Interior Doors	$ 415,646.54	$ -
		C1030	Fittings	$ 1,692,463.41	$ -
	C20 STAIRS	C2010	Stair Construction	$ 331,131.50	$ -
		C2020	Stair Finishes	$ 220,841.04	$ -
	C30 INTERIOR FINISHES	C3010	Wall Finishes	$ 951,848.88	$ -
		C3020	Floor Finishes	$ 1,187,495.87	$ -
		C3030	Ceiling Finishes	$ 789,818.99	$ -
D. SERVICES	D10 CONVEYING	D1010	Elevators & Lifts	$ 221,344.00	$ -
		D1020	Escalators & Moving Walks	$ -	$ -
		D1030	Other Conveying Systems	$ -	$ -
	D20 PLUMBING	D2010	Plumbing Fixtures	$ -	$ -
		D2020	Domestic Water Distribution	$ 2,282,917.50	$ -
		D2030	Sanitary Waste	$ -	$ -
		D2040	Rain Water Drainage	$ -	$ -
		D2090	Other Plumbing Systems	$ -	$ -
	D30 HVAC	D3010	Energy Supply	$ -	$ -
		D3020	Heat Generating Systems	$ 6,969,627.00	$ -
		D3030	Cooling Generating Systems	$ -	$ -
		D3040	Distribution Systems	$ -	$ -
		D3050	Terminal & Package Units	$ -	$ -
		D3060	Controls & Instrumentation	$ -	$ -
		D3070	Systems Testing & Balancing	$ -	$ -
		D3090	Other HVAC systems & Equipment	$ -	$ -
	D40 FIRE PROTECTION	D4010	Sprinklers	$ 630,295.00	$ -
		D4020	Standpipes	$ -	$ -
		D4030	Fire Protection Specialties	$ -	$ -
		D4090	Other Fire Protection Systems	$ -	$ -
	D50 ELECTRICAL	D5010	Electrical Service & Distribution	$ 4,212,722.58	$ -
		D5020	Lighting and Branch Wiring	$ -	$ -
		D5030	Communications & Security	$ 1,347,823.00	$ -
		D5090	Other Electrical Systems	$ -	$ -
E. EQUIPMENT & FURNISHINGS	E10 EQUIPMENT	E1010	Commercial Equipment	$ 640,885.88	$ -
		E1020	Institutional Equipment	$ 55,079.23	$ -
		E1030	Vehicular Equipment (Bldg fixed)	$ 414.40	$ -
		E1090	Other Requirments	$ 227,958.00	$ -
	E20 FURNISHINGS	E2010	Fixed Furnishings	$ 56,222.60	$ -
F. SPECIAL CONSTR. & DEMO.	F10 SPECIAL CONSTR.	F1010	Special Structures	$ -	$ -
		F1020	Integrated Construction	$ -	$ -
		F1030	Special Construction Systems	$ -	$ -
		F1040	Special Facilities	$ -	$ -
		F1050	Special Controls & Instrumentation	$ -	$ -

	F20 SELCT BUILD DEMO	F2010	Building Elements Demolition		$ 15,000.00	$ -
	F30 ABATEMENT	F2020	Hazardous Components Abatement		$ -	$ -
X. GC's, OFFICE OVERHEAD & PROFIT	X10 GENERAL CONDITIONS	X1010	General Conditions	5.9%	$ 2,436,039.84	$ -
	X20 OVERHEAD & PROFIT	X2020	Office Overhead & Profit	1.4%	$ 572,332.03	$ -
		X2030	Trade Contractor Bond Cost	0.7%	$ 306,352.20	$ -
Z. ALLOWANCES	Z10 DESIGN CONTINGENCY	Z10	Design Contingency	100%	$ 1,057,032.50	$ 1,057,032.50
	Z20 INFLATION (ESCALATION)	Z20	Infaltion (Escalation) Allowance	100%	$ 1,366,766.65	$ 1,366,766.65
	Z30 CONSTR. CONTINGENCY	Z30	Construction Contingency	100%	$ 1,389,155.42	$ 1,389,155.42

Soft Costs				Cost	Ineligibles
G. SITEWORK (beyond 5 ft from Building)	G1010	Site Clearing		$ 760,591.61	$ -
	G1020	Site Demolition and Relocations		$ -	$ -
	G1030	Site Earthwork		$ 13,644,364.29	$ -
	G1040	Hazardous Waste Remediation		$ -	$ -
	G2010	Roadways		$ 19,038.12	$ -
	G2020	Parking Lots		$ -	$ -
	G2030	Pedestrian Paving		$ 574,065.51	$ -
	G2040	Site Development		$ 337,131.89	$ -
	G2045	Athletic Fields		$ -	$ -
	G2050	Landscaping		$ 1,289,733.91	$ -
	G3010	Water Supply		$ -	$ -
	G3020	Sanitary Sewer		$ -	$ -
	G3030	Storm Sewer		$ -	$ -
	G3040	Heating Distribution		$ -	$ -
	G3050	Cooling Distribution		$ -	$ -
	G3060	Fuel Distribution		$ 1,239,553.89	$ 90,000.00
	G3090	Other Site Mechanical Utilities		$ -	$ -
	G4010	Electrical Distribution		$ 945,905.60	$ 300,000.00
	G4020	Site Lighting		$ -	$ -
	G4030	Site Communications & Security		$ -	$ -
	G4090	Other Site Electrical Utilities		$ -	$ -
	G9010	Service and Pedestrian Tunnels		$ -	$ -
	G9020	Bleachers, Concession Stands, etc.		$ -	$ -
	G9090	Other Site Systems		$ -	$ -
Y. SITE GC's, OFFICE OVERHEAD, PROFIT &	Y1010	Site General Conditions	5.9%	$ 1,046,368.51	$ 22,823.04
	Y2010	Site Overhead & Profit	1.4%	$ 245,837.61	$ 5,362.13
	Y5010	Trade Contractor Bond Costs	0.7%	$ 131,589.51	$ 2,870.19
ALLOWANCES	Y3010	Site Design Contingency	100%	$ 454,034.25	$ 454,034.25
	Y4010	Site Inflation (Escalation) Allowance	100%	$ 372,308.09	$ 372,308.09
	Y3020	Site Construction Contingency	100%	$ 596,693.24	$ 596,693.24
R. CONSULTANTS	R1010	Architect/Engineer	5%	$ 2,951,880.00	$ 19,346.06
	R2010	Environmental		$ -	$ -
	R3010	Commissioning		$ 93,530.00	$ -
	R4010	Geotechnical		$ -	$ -
	R5010	Cost Estimator		$ 160,770.00	$ -
	R6010	Owners Rep		$ 1,066,111.00	$ -
	R7010	CM Pre-Construction	0.0%	$ -	$ -
	R8010	FF&E Coordinator		$ -	$ -
	R9010	Legal	100%	$ 2,643.00	$ 2,643.00
S. FF&E	S1010	FF&E		$ 1,250,000.00	$ -
	S2010	Technology		$ 400,000.00	$ -
	S3010	Playground Equipment		$ -	$ -
	S4010	Playgorund Surfacing		$ -	$ -
	S5010	Moving		$ 100,000.00	$ -
T. FEES	T1010	District Bonding fees		$ 158,428.00	$ -
	T2010	Insurance Costs (builder's risk)		$ 85,000.00	$ -
	T3010	Town Staff Costs		$ -	$ -
	T4010	Town Permit Fees		$ -	$ -
	T5010	State Permit Fees	100%	$ 17,092.38	$ 17,092.38
	T6010	Testing/Inspection Fees		$ 135,000.00	
	T7010	Printing & Mailing Costs		$ -	
	T8010	Other Costs		$ 255,125.00	
U. CONTINGENCIES	U1010	Owner Contingency	100%	$ 3,782,873.03	$ 3,782,873
W. ACQUISITION COSTS W	W1010	Land/Building Purchase		$ -	
	W2010	Swing Space/Portables		$ -	
	W3010	Site Remediation		$ -	
	W4010	Appraisals		$ -	
	W5010	Land Survey		$ -	
	W6010	Other Acquisition Costs		$ -	

GREENEVILLE ELEMENTARY SCHOOL
CONSTRUCTION DOCUMENTS

CM **DOWNES CONSTRUCTION (DCC)**
Architect **Drummey Rosane Anderson, Inc. (DRA)**

No.	Discipline	Initiated By	Date Entered	Question/Comment/Needs Further Research	Addendum	Answer	Answer Date	Follow Up
1	Architectural	DCC	10/11/2024	12 Doors on the door schedule are missing their material types. **5** type **F** doors, **2** type **FV1** doors, & **5** type **FV2** doors. Please list the material types for all 12 doors.		Door A100A to be WD, Door A101A.1 to be WD, Door A101A.2 to be WD, Door B105 to be WD, Door A200 to be WD, Door A201A to be WD, Door B200C to be WD, Door B200A to be WD, Door B200B to be WD, Door B208 to be WD, Door B301A to be WD, Door ST6-3 to be WD. These updates will be identified on the door schedule in the final bid documents.	10/22/2024	
2	Architectural	DCC	10/11/2024	Please note, some of the storefronts listed to have doors are the incorrect numbers. the following is the correct SF number per the drawings (to match the door schedule in an addendum. ex: Inncorect = correct). **SF1 = SF8**; **SF13 = SF20**; **SF20 = SF28**; **SF22 = SF30**; **SF23 = SF31**; **SF24 = SF32**. Please Advise.		SF1 has been changed to SF8, SF13 has been changed to SF20, SF20 has been changed to SF28, SF22 has been changed to SF30, SF23 has been changed to SF31, SF24 has been changed to SF32. These updates will be identified on the storefront elevations in the final bid documents.	10/22/2024	
3	Architectural	DCC	10/11/2024	There are no door types listed as 'WM' (wire mesh) on the door schedule. Please Clarify		The WM door type does not exist on this project and can be disregarded.	10/14/2024	
4	Architectural	DCC	10/11/2024	Door type 'W2' is listed on the door schedule but not specificed in the elevation key on drawing A6-1-2. Please Clarify.		The W2 door type will be added to the door type legend; it is identical to door type AL2, but it is a steel door instead of aluminum.	10/14/2024	
5	Architectural	DCC	10/14/2024	SF23 & SF24 are not called out on drawing A1-1-2A. Please Advise.		These are identified on 1/A2-1-4, and will be identifie on the plans in the final bid documents.	10/14/2024	
6	Architectural	DCC	10/14/2024	On Drawing A6-3-3, both ISF8 & ISF9 are shown as having GL-5. GL-5 doesn't exist. Should this be changed to GL-2 or should GL-5 be added to the glazing schedule?. Please Clarify.		This is identified in spec section 08 41 14, page 5, section 2.3, paragraph D. Acoustical Glazing. The glazing type will be clarified for the final bid documents.	10/14/2024	we will carry an acoustical glazing with an STC of 45. Please revise drawings to include correct glazing call out on A6-3-3
7	Architectural	DCC	10/14/2024	The glazing for ISF doors is shown as GL-2 on drawing A6-3-3. But for the Storfront doors on drawing A6-3-2, the doors shown don't show any applied glazing. On the door schedule, there is no column to show what kind of glazing the regular SF door will be getting. Please Clarify,		The storefront doors on sheet A6-3-2 will be receiving the same GL-2 type glazing as shown on the storefront doors on sheet A6-3-3. These updates will be identified on the storefront elevations in the final bid documents.	10/22/2024	
8	Architectural	DCC	10/14/2024	Will BL2 also be getting GL-2? Please clarify.		BL2 will also be glazed with GL-2. This update will be reflected on the borrowed lite types within the final bid documents.	10/22/2024	
9	Structural	DCC	10/21/2024	Please Provide Isolated Footing Size at Column Line C-4. Not Shown		Provide combined footing for columns C and C.1 on gridling 4. Footing to be F-100 as shown in footing schedule.	10/22/2024	
10	Structural	DCC	10/21/2024	Please Provide Pier Size at Column Line C-4. Not Shown		Provide pier type "P-1W" at locations C/4 and C.1/4.	10/22/2024	
11	Structural	DCC	10/21/2024	The Following Columns are not Shown on the Column Schedules: Y10-YK, Y11-XI, H-5, H-7, H-9, H9.3, H9.7,H.1-10.1, Y9.8-XL, Y9.4-XL, Y9.1-XL, G.7-9.7, G7-10, H-9.7, N-4, Y9-XL, Y9-XK, Y9-XI, Y9-XH2, Y9-XG2 & Y9-XE9. Please Provide Length & Sizing.		See updated column schedule attached.	10/22/2024	
12	Architectural	DCC	10/22/2024	Room C113 is not shown on the drawings please adivse where this room is located.		Room C113 does not exist within the project. Any reference to Room C113 shall be removed in the final bid documents.	10/23/2024	
13	Architectural	DCC	10/22/2024	Please verify of application of window treatments in ST3-1, no windows shown. Please advise on which window is to recive a mortorzied shade.		ST3-1 will not be receiving a window. No window application to be provided in this location. No window/motorized shades to be provided at this location.	10/23/2024	
14	Architectural	DCC	10/25/2024	Please verify media room location on drawings, specifications call out media room.		Any reference to a media center is referring to LEARNING COMMONS A107. The naming convention "MEDIA CENTER" will be removed and replaced with "LEARNING COMMONS" within the final bid specifications.	10/25/2024	
15		DCC	10/30/2024	Please provide spec or additional information for dock bumpers.				