



Design Development Budget Analysis

	Previous Budget	Add'l Funding	Revised Budget	Design Development	over/(under)
Soft Costs					
Owner Expenses	\$550,000.00		\$550,000.00	\$550,000.00	\$0.00
Professional Services	\$2,335,729.00	\$0.00	\$2,347,634.00	\$2,400,179.00	\$52,545.00
FF&E	\$900,000.00	\$0.00	\$900,000.00	\$900,000.00	\$0.00
Computers and Technology	\$391,300.00	\$83,255.00	\$474,555.00	\$498,000.00	\$23,445.00
Owner Contingency	\$1,493,781.00	\$356,068.00	\$1,837,944.00	\$1,837,944.00	\$0.00
Hard Costs					
Construction	\$23,584,190.00	\$6,586,677.00	\$30,170,867.00	\$30,398,569.00	\$227,702.00
Additional Open Items					
Eliminate Detention Basin at McMahan				(\$131,374.00)	(\$131,374.00)
Eliminate Small Detention Basin at Prosser				(\$71,075.00)	(\$71,075.00)
Relocated Dumpster to Riley Parking Lot and Eliminate Service Road				(\$41,556.00)	(\$41,556.00)
Delivery drop off to Remain in Existing Location and eliminating relocation of hydrant and extensive road work.				(\$47,161.00)	(\$47,161.00)
and electrical service at Riley Parking Lot (Owner's costs excluded)				(\$61,765.00)	(\$61,765.00)
Total	\$29,255,000.00	\$7,026,000.00	\$36,281,000.00	\$36,231,761.00	(\$49,239.00)

Bloomfield Libraries

Bloomfield, CT

Design Development

Estimate Date 11/01/2022

**DIVISIONAL SUMMARY
& VARIANCE REPORT**
DESIGN DEVELOPMENT

SPEC SECTION	DESCRIPTION	PROSSER DD	McMAHON DD	PROJECT COST
		30,169 sf	9,276 sf	39,445 sf
01 00 00	Project Requirements	\$ 682,791	\$ 364,279	\$ 1,047,070
02 11 00	Contaminated Soil Excavation & Disposal	See Allowances	Excluded	See Allowances
02 41 19	Existing Conditions	\$ 378,601	\$ 212,580	\$ 591,181
03 30 00	Cast - in - Place Concrete	\$ 1,110,149	\$ 150,587	\$ 1,260,736
04 20 00	Unit Masonry	\$ 674,425	\$ 72,295	\$ 746,720
05 00 00	Metals	\$ 1,878,550	\$ 359,590	\$ 2,238,140
06 00 00	Woods & Plastics	\$ 981,469	\$ 264,950	\$ 1,246,419
06 30 00	Porch Decking	\$ 159,694	Excluded	\$ 159,694
07 00 00	Thermal, Moisture Protection, Siding & MTL Panels	\$ 158,218	\$ 114,268	\$ 272,486
07 50 00	Roofing	\$ 709,366	\$ 341,546	\$ 1,050,912
08 00 00	Doors & Windows	\$ 175,210	\$ 56,260	\$ 231,470
08 41 00	Storefront & Curtainwall	\$ 1,441,665	\$ 706,530	\$ 2,148,195
09 00 00	Gypsum Drywall & Framing	\$ 1,057,401	\$ 366,949	\$ 1,424,350
09 30 00	Tile & Carpet	\$ 212,533	\$ 78,122	\$ 290,655
09 51 00	Acoustical Ceilings	\$ 221,268	\$ 173,055	\$ 394,323
09 65 00	Flooring	\$ 58,038	\$ 7,665	\$ 65,703
09 91 00	Painting	\$ 139,691	\$ 36,925	\$ 176,615
10 00 00	Specialties	\$ 53,652	\$ 25,609	\$ 79,261
11 00 00	Equipment	\$ 11,600	\$ 9,650	\$ 21,250
12 00 00	Furnishings	\$ 4,620	\$ 19,912	\$ 24,532
14 00 00	Elevators	\$ 150,000	Excluded	\$ 150,000
21 00 00	Fire Suppression	\$ 280,415	See Alternates	\$ 280,415
22 00 00	Plumbing	\$ 416,596	\$ 202,666	\$ 619,262
23 00 00	HVAC	\$ 1,968,702	\$ 623,673	\$ 2,592,375
26 00 00	Electrical, Comm., Fire Alarm, Security, Site Elec.	\$ 1,851,624	\$ 722,572	\$ 2,574,196
26 31 00	Photovoltaic System PPA Lease	\$ -	\$ -	\$ -
31 00 00	Sitework (Landscaping)	\$ 2,713,805	\$ 891,603	\$ 3,605,407
31 10 00	Ground Improvements	\$ 349,530	Excluded	\$ 349,530
32 34 00	Walking Bridge	\$ 538,000	Excluded	\$ 538,000
ALLW	Utility Consumption Allowance	\$ 85,000	\$ 35,000	\$ 120,000
ALLW	Hazardous Mats - Undefined or Not Quantifiable	See Open Items	See Open Items	See Open Items
ALLW	CT High Performance Consultant	\$ 31,326	\$ 10,914	\$ 42,240
ALLW	Contaminated Soil Excavation & Disposal	\$ 150,000	\$ -	\$ 150,000
ALLW	Remove Underground Fuel Tanks (excl. remed.)	\$ 40,000	Excluded	\$ 40,000
TOTAL TRADE COST		\$ 18,683,936	\$ 5,847,199	\$ 24,531,135

Bloomfield Libraries

Bloomfield, CT

Design Development

Estimate Date 11/01/2022

**DIVISIONAL SUMMARY
& VARIANCE REPORT**
DESIGN DEVELOPMENT

SPEC SECTION	DESCRIPTION	PROSSER DD	McMAHON DD	PROJECT COST
		30,169 sf	9,276 sf	39,445 sf
	7.50% Design & Estimating Contingency	\$ 1,401,295	\$ 438,540	\$ 1,839,835
	3.00% Construction Contingency	\$ 602,557	\$ 188,572	\$ 791,129
	4.00% Escalation	\$ 827,512	\$ 258,972	\$ 1,086,484
	General Conditions & Staffing	\$ 1,002,867	\$ 328,963	\$ 1,331,830
	Preconstruction	\$ 55,699	\$ 18,091	\$ 73,790
	0.80% General Liability Insurance	\$ 180,591	\$ 56,643	\$ 237,234
	Builder's Risk Insurance	By Owner	By Owner	By Owner
	1.70% Local Building Permit	Waived	Waived	Waived
	0.026% State Education Fund	\$ 5,916	\$ 1,856	\$ 7,772
	0.70% Payment & Performance Bond	\$ 85,129	\$ 24,122	\$ 109,250
	1.30% CM Fee	\$ 296,992	\$ 93,118	\$ 390,110
TOTAL CONSTRUCTION COST		\$ 23,142,494	\$ 7,256,076	\$ 30,398,569
CONSTRUCTION BUDGET				\$ 30,170,867
OVER / (UNDER)				\$ 227,702
OWNER SOFT COSTS				
	Owner Expenses	\$ 407,887	\$ 142,113	\$ 550,000
	Professional Services	\$ 1,780,002	\$ 620,177	\$ 2,400,179
	FF&E / Technology	\$ 1,015,951	\$ 382,049	\$ 1,398,000
	Owner Contingency	\$ 1,363,042	\$ 474,902	\$ 1,837,944
TOTAL SOFT COST		\$ 4,566,881	\$ 1,619,242	\$ 6,186,123
SOFT COST BUDGET				\$ 6,110,133
OVER / (UNDER)				\$ 75,990
TOTAL PROJECT COST		\$ 27,709,375	\$ 8,875,317	\$ 36,584,692
TOTAL PROJECT BUDGET				\$ 36,281,000
OVER / (UNDER)				\$ 303,692
OPEN ITEMS				\$ (352,931)
PROJECTED OVER / (UNDER)				\$ (49,239)

Bloomfield Libraries

Bloomfield, CT

Design Development

Estimate Date 11/01/2022

**DIVISIONAL SUMMARY
& VARIANCE REPORT**
DESIGN DEVELOPMENT

SPEC SECTION	DESCRIPTION	PROSSER DD	McMAHON DD	PROJECT COST
		30,169 sf	9,276 sf	39,445 sf
PROPOSED ALTERNATES				
P1	ACT Tile and Grid ILO ACT Clouds in the Children's Center 111	\$ (107,224)	NA	\$ (107,224)
P2	Delete the ceiling in Open Parking 007	\$ (81,396)	NA	\$ (81,396)
P3	Delete the South Balcony	\$ (59,800)	NA	\$ (59,800)
P4	Delete the exterior vertical sunshades on the East Elevation	\$ (24,847)	NA	\$ (24,847)
P5	Add exterior brick veneer at the lowest level on the North, West and Elevations	\$ 100,942	NA	\$ 100,942
P6	Add exterior stone veneer at the lowest level on the North, West and Elevations	\$ 142,354	NA	\$ 142,354
P7	Add the range and hood at Kitchen 121	\$ 35,187	NA	\$ 35,187
P8	Add a snowmelt system to the bridge	TBD	NA	TBD
M1	Folding Glass partition at Comm Rm 105	NA	TBD	TBD
ALTERNATES SUBTOTAL		\$ 5,216	\$ -	\$ 5,216
TOTAL PROJECT COST w/ ALTERNATES		\$ 27,714,591	\$ 8,875,317	\$ 36,589,908

Bloomfield Libraries

Bloomfield, CT

Design Development

Drawings Dated: 10/07/2022

Estimate Date 11/01/2022

PROSSER DETAIL

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
01 50 00	Project Requirements					
	Field Office					w/ GR's
	Communication & Technology					
	Data Processing Fee	0.0022		\$ 26,776,817	\$ 58,909	
	Drone					None - Excluded
	BIM					None - Excluded
	Mangement Software (Docusign, Bluebeam & Procore - 0.18%)					w/ Trades
	Office Supplies, Reproduction & Repographics					
	Supplies - Office & Clerical	16	mos	\$ 200	\$ 3,200	
	Water Service Fee					None - Excluded
	Water & Coffee	16	mos	\$ 175	\$ 2,800	
	Drawing Reproduction					w/ GR's
	Shop Drawing Reproduction	1	ls	\$ 5,000	\$ 5,000	
	Postage & Courier					w/ GR's
	Printing/Advertising	1	ls	\$ 10,000	\$ 10,000	
	Safety & First-Aid					
	Safety & First-Aid (Hard Hat Stickers & Safety Kits)					w/ GR's
	Safety Gear	1	ls	\$ 3,000	\$ 3,000	
	Temporary Fire Extinguishers	1	ls	\$ 2,500	\$ 2,500	
	Safety Inspections (OSHA Outreach)	16	mos	\$ 750	\$ 12,000	
	COVID19 Safety & Management - Reduced per Design Recommendation					None - Excluded
	Background Checks & Drug Testing					By Trades
	Travel & Vehicle					
	Travel Expenses (Vehicles - FIELD)					None - Excluded
	Travel Expenses (Gas, Tolls, Parking - OFFICE)					None - Excluded
	Job Site Vehical					w/ GR's
	Temporary Facilities & Controls					
	Temporary Toilets for Workers	16	mos	\$ 2,500	\$ 40,000	
	Dumpsters	86	pulls	\$ 850	\$ 73,100	
	Small Tools & Equipment	16	mos	\$ 250	\$ 4,000	
	Staging Area					w/ Sitework
	Staging Areas misc. site logistics adjustments	1	ls	\$ 10,000	\$ 10,000	
	Temporary Construction Fencing			\$ -		w/ Sitework
	Construction Gates			\$ -		w/ Sitework
	Temp Fence - Maintenance/Misc. Addl.	1	ls	\$ 5,000	\$ 5,000	
	Scrim					None - Excluded
	Guardrails					None - Excluded
	Ladders					None - Excluded
	Temporary Roads					None - Excluded
	Temporary Enclosures					w/ Trades
	Protect Floor Openings					w/ Trades
	Protect Wall Openings					w/ Trades
	Temporary Doors			\$ -		w/ Trades
	Temporary Scaffolding - Exterior					
	Site Grounds Maintenance	1	ls	\$ 10,800	\$ 10,800	
	Temporary Utilities					
	Temporary Electric Service					w/ Electric
	Temporary Electric Lights & Wiring					w/ Electric
	Utility Fuel Allowance					See Summary Allowances
	Temporary Environmental Controls - Heat	1	ea	\$ 54,000	\$ 54,000	
	Temporary Environmental Controls - Cooling	1	ea	\$ 32,000	\$ 32,000	
	Temporary Heat (Interior)					
	Equipment					
	Crane Services					w/ Trades
	Winter Conditions					
	Winter Conditions (Exterior)	1	ls	\$ 50,000	\$ 50,000	
	Snow Removal	1	ls	\$ 5,000	\$ 5,000	
	Hay, Canvas, Heaters					
	Stage & Enclose New Construction For Temp Heat	1	ls	\$ 25,000	\$ 25,000	
	Signage					
	Misc. Signage (Wayfinding)	1	ls	\$ 2,500	\$ 2,500	
	Job Sign	1	ls	\$ 3,000	\$ 3,000	
	Project Signs	1	ls	\$ 5,000	\$ 5,000	

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
Consultants						
Scheduling Consultants						
	Certified Payroll	16	mos	\$ 800	\$ 12,800	None - Excluded
	Testing Laboratory					By Owner
	Architect's Fee					By Owner
Insurance						
	Builder's Risk Insurance					By Owner
Permits & Fees						
	Permit Fee	1	ls			See Summary
	State Education Fee					See Summary
	Stormwater Permit	1	ls	\$ 3,500	\$ 3,500	
Security						
	Watchmen/Security					None - Excluded
	Security Person (Manage Contractor/Staff/Student Interaction)					None - Excluded
	Security Badging					None - Excluded
	Badging Coordinator					None - Excluded
	Camera/Alarm for Field Office	16	mo	\$ 50	\$ 800	
Project Records & Closeout						
	Progress Photos			\$ -		w/ Staffing
	Project Record Documents	1	ls	\$ 4,000	\$ 4,000	
	O&M Manual	1	ls	\$ 5,000	\$ 5,000	
	Training Video	1	ls	\$ 7,500	\$ 7,500	
	Demonstration & Training Support	1	ls	\$ 3,000	\$ 3,000	
	Web Based DVR					None - Excluded
	Punch-List Contingency - Deleted per Design Direction					None - Excluded
Execution						
	Establish Building Control	1	ls	\$ 15,000	\$ 15,000	
	Cutting and Patching existing condition verification allowance					
Project Cleanliness						
	Daily Clean-up (1 Full Time)					
	Daily Clean-up (1 Part Time - 2 days/wk)	16	mos	\$ 5,196	\$ 83,136	
	Daily Clean-up (1 Part Time - 2 days/wk)	16	mos	\$ 5,196	\$ 83,136	
	Field Office Clean-up					None - Excluded
	Interim Occupancy Cleaning (4mhrs / day)					None - Excluded
	Final Cleaning	30,169	sf	\$ 0.65	\$ 19,610	
	Second Cleaning after FF&E					None - Excluded
Miscellaneous						
	CHRO Compliance Documentation	16	mos	\$ 300.00	\$ 4,800	
	High Performance Schools Checklist					
	Commissioning Assistance By CM - Deleted per Design Direction					None - Excluded
	Construction Indoor Air Quality (IAQ) Program	1	ls	\$ 10,800	\$ 10,800	
	Ground Breaking	1	ls	\$ 3,000	\$ 3,000	
	Rodent Control	1	ls	\$ 7,500	\$ 7,500	
	Miscellaneous General Expenses	16	mos	\$ 150	\$ 2,400	
					Project Requirements	\$ 682,791
02 11 00	Contaminated Soil Excavation					
	Contaminated Soil Excavation & Disposal at Prosser Footprint (possible 4,200 cy export)	1	ls	\$ 148,300	\$ 148,300	
	Contaminated Soil at Riley Footprint 3" for 6' perimeter	17	cy	\$ 100	\$ 1,700	
					Total Contaminated Soil Excavation	\$ 150,000
02 12 00	T/D of Contaminated Materials					
	Transp./ Disposal of Contaminated Materials					See Summary Allowances
					Total T/D of Contaminated Materials	\$ -

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
02 80 00 Hazardous Components Abatement					
Riley Lumber					
12" White Mottle Floor Tile	120	sf	\$ 5	\$ 612	
9" Green & Grey Floor Tile & Black Adhesive	400	sf	\$ 8	\$ 3,264	
Black Cement and Sheathing	6,000	sf	\$ 8	\$ 48,960	
Silver Asphalt Shingles	200	sf	\$ 9	\$ 1,836	
Prosser Library					
Residual Brown Adhesive	3,500	sf	\$ 5	\$ 17,850	
Dark Brown Adhesive	700	sf	\$ 10	\$ 7,140	
Black Mastic	2,500	sf	\$ 26	\$ 63,750	
Grey pliable door/window caulk	100	sf	\$ 20	\$ 2,040	
Light grey hard exterior vent caulk	10	lf	\$ 20	\$ 204	
White Cloth Flex Connector	4	ea	\$ 1,020	\$ 4,080	
Mudded fitting associated w/ fiberglass pipe insulation	500	ea	\$ 26	\$ 12,750	
Misc					
Hold for undefined scope - reference cost table footnotes & open items log					See Summary Allowances
Total Hazardous Component Abatement					\$ 162,486
02 40 00 Forensic Demolition					
Forensic Demolition					None - Excluded
Total Forensic Demolition					\$ -
02 40 10 Building Demolition					
Mass Build Demo, 2-story brick building plus LL & found	20,766	sf	\$ 8.50	\$ 176,511	
Mass Build Demo, Retaining Walls and Main Entrance	1,195	sf	\$ 8.50	\$ 10,158	
Mass Building Demolition, 1-story wood building plus found	4,800	sf	\$ 6.00	\$ 28,800	
Mass Building Demolition, shed on #6 Mountain Ave property	76	sf	\$ 8.50	\$ 646	
Total Building Demolition					\$ 216,115
02 41 19 Selective Demolition					
Exterior					None - Excluded
Interior					None - Excluded
Total Selective Demolition					\$ -
03 30 00 Cast-In-Place Concrete					
Standard Foundations					
Footings, Walls & Piers (Formwork, Rebar, Place & Strip)					
Spread Footings	80	cy	\$ 725.00	\$ 58,000	
Strip Footing	133	cy	\$ 555.00	\$ 73,815	
Grade Beam	35	cy	\$ 600.00	\$ 21,000	
Walls - < 6', including Frost Walls	13	cy	\$ 850.00	\$ 10,924	
Walls - >6'	377	cy	\$ 850.00	\$ 320,450	
Elevator Pit (formwork, concrete & rebar), with walls and footings					w/ Above
Piers	59	cy	\$ 900.00	\$ 53,100	
Concrete Material, 4,500 psi foundation concrete					w/ Above
Reinforcement	24	tons	\$ 4,400.00	\$ 105,600	
Accessories	1	ls	\$ 7,500.00	\$ 7,500	
Slab on Grade					
Slab on Grade 5" - Material & Labor (general)	10,187	sf	\$ 6.00	\$ 61,122	
Concrete Material - 5" thick, 3,500 psi material	158	cy	\$ 175.00	\$ 27,731	
Concrete - Add Mixture	158	cy	\$ 51.00	\$ 8,082	
Place & Finish (pumping included)	10,187	sf	\$ 1.00	w/ Above	
Reinforcement	10,187	sf	\$ 0.75	w/ Above	
Vapor Barrier	10,187	sf	\$ 1.25	\$ 12,734	
Perimeter Joints	461	lf	\$ 1.05	w/ Above	
Saw Cut Control Joints	2,102	lf	\$ 1.05	w/ Above	
Slab on Grade - Infill slab depression	1	ls	\$ 5,500.00	\$ 5,500	
Slab on Grade - interior ramp at garage level	1	ls	\$ 5,500.00	\$ 5,500	
Slab on Grade 8" - Material & Labor (general)	6,599	sf	\$ 6.00	\$ 39,594	
Concrete Material - 5" thick, 3,500 psi material	164	cy	\$ 175.00	\$ 28,657	
Concrete - Add Mixture	164	cy	\$ 51.00	\$ 8,351	
Place & Finish (pumping included)	6,599	sf	\$ 1.00	w/ Above	
Reinforcement	6,599	sf	\$ 0.75	w/ Above	
Vapor Barrier	6,599	sf	\$ 1.25	\$ 8,249	
Perimeter Joints	826	lf	\$ 1.05	w/ Above	

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
	Saw Cut Control Joints	345	lf	\$ 1.05	w/ Above	
	Slab on Deck					
	Slab on Deck - Material & Labor (general)	20,709	sf	\$ 6.50	\$ 134,609	
	Concrete Material	320	cy	\$ 175.00	\$ 56,000	
	Concrete Material - Add Mixture	320	cy	\$ 51.00	\$ 16,320	
	Place & finish (pumping included)	20,709	cy	\$ 1.00	w/ Above	
	6 x 6 welded wire fabric plus waste	20,709	sf	\$ 0.75	w/ Above	
	Curbs					
	Curb - Formwork	48	sf	\$ 11.17	\$ 536	
	Concrete Curbs at MER	1	cy	\$ 1,200.00	\$ 1,200	
	Stairs - Exterior Entrance	17	cy	\$ 1,000.00	w/ Sitework	
	Stairs - Exterior South	5	cy	\$ 1,000.00	w/ Sitework	
	Stair Pans & Landings - Interior	95	ea	\$ 35.00	\$ 3,325	
	Concrete Ramp at Main Entrance	346	sf	\$ 25.00	\$ 8,650	
	Retaining Walls					
	Concrete on Mt Ave wall 7'H - 5'H	58	cy	\$ 450.00	\$ 26,100	
	Dumpster Pads				w/ Sitework	
	Misc Housekeeping Pads	1	ls	\$ 7,500.00	\$ 7,500	
	Rigid Insulation under SOG and at foundation walls		sf		None - Excluded	
					Total Cast in Place Concrete	\$ 1,110,149
04 20 00	Unit Masonry					
	Exterior					
	Building Ext Wall					
	Cast Stone Sills, Lintels, and other trim	144	lf	\$ 65.00	\$ 9,360	
	Brick Veneer - 4", AVB, Rigid Insul	8,149	sf	\$ 39.00	\$ 317,811	
	CMU pilasters at garage (area is one side of column face) 1" parging	1,058	sf	\$ 31.00	\$ 32,798	
	Brick Chimney		sf		w/ Above	
	Scaffolding & Staging	1	ls		w/ Above	
	Site Walls					
	Stone Veneer on site walls	948	sf	\$ 45.00	\$ 42,660	
	Cast Stone Coping	508	lf	\$ 100.00	\$ 50,800	
	Interior					
	C8 - Masonry Partition	3,031	sf	\$ 32.00	\$ 96,992	
	M32 - Masonry Partition	2,499	sf	\$ 36.00	\$ 89,964	
	M44A - Masonry Partition	360	sf	\$ 39.00	\$ 14,040	
	Brick trim, mantle, detailing at fireplace	1	ls	\$ 5,000.00	\$ 5,000	
	Temp Heating	1	ls	\$ 15,000.00	\$ 15,000	
					Total Unit Masonry	\$ 674,425
05 12 00	Structural Steel					
	Structural Steel Framing					
	beams	148	tons	\$ 6,000.00	\$ 886,846	
	columns	w/ Above	tons			
	perimeter angle	w/ Above	tons			
	reinforcing for mechanical rooftop	2	tons	\$ 6,000.00	\$ 9,000	
	Connections - 15% Allowance	22	tons	\$ 6,000.00	\$ 134,377	
	Shop prime structural steel	172	tons	\$ 472.00	\$ 81,044	
	Crane / Rigging	3	mo	\$ 15,000.00	\$ 45,000	
	Frames @ New Roof Penetrations	4	ea	\$ 2,500.00	\$ 10,000	
	Metal Deck					
	S1 Floor deck 2" composite steel deck, 20-ga,	20,675	sf	\$ 6.00	\$ 124,050	
	D1.5 Roof deck 1-1/2" steel deck, 20-ga.	9,167	sf	\$ 6.00	\$ 55,002	
	D3.0 Roof deck 3" acoustical steel deck, 20-ga.	7,037	sf	\$ 8.00	\$ 56,296	
					Total Structural Steel	\$ 1,401,615
05 40 00	Cold Formed Mtl Framing					
	Cold Formed Metal Framing				w/ Gyp Board	
					Total Cold Form Metal Framing	\$ -

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
05 50 00 Metal Fabrications					
Garage					
Bollards	6	ea	\$ 2,000.00	\$ 12,000	
Column protection at garage	6	ea	\$ 1,200.00	\$ 7,200	
Vehicular guardrail at openings to garage parking, not driveway	-	lf	\$ 75.00	\$ -	
Interior					
Bollards		ea			
Roof Access Ladder, MER well to High roof	1	ea	\$ 6,500.00	\$ 6,500	
Elevator Ladder	1	ea	\$ 2,500.00	\$ 2,500	
Elevator Pit Cover	1	ea	\$ 800.00	\$ 800	
Elevator Sill Angles	1	ea	\$ 500.00	\$ 500	
Elevator Hoist Beam	1	ea	\$ 1,500.00	\$ 1,500	
Misc. metals allow for CMU clips, mech openings, OH door supports etc.	30,169	sf	\$ 0.50	\$ 15,085	
Exterior Wall and Site					
Bollards at dumpster, transformer, exterior of garage	2	ea	\$ 2,200.00	\$ 4,400	
Steel plate lintels to support masonry openings (in addition to decorative precast lintels - see typical building section)	42	ea	\$ 550.00	\$ 23,100	
Grilles over windows	7	ea	\$ 1,500.00	\$ 10,500	
Metal Pan Stairs (treads, risers, stringers, supports - railings below)					
North Stair	125	lf tread	\$ 210.00	\$ 26,250	
South Stair	113	lf tread	\$ 210.00	\$ 23,730	
Ornamental Stair	143	lf tread	\$ 300.00	\$ 42,900	
Railings					
Exterior					
Railings, exterior 2 1/2" Alum, single pipe rails at entry plaza	190	lf	\$ 280.00	\$ 53,200	
Railings, exterior south stairs	28	lf	\$ 280.00	\$ 7,840	
Railings, porch openings, incl 15" wide countertop on top	124	lf	\$ 315.00	\$ 39,060	
Railings, guardrail, aluminum, outdoor balcony	43	lf	\$ 280.00	\$ 12,040	
Interior					
Railing at slab edge, floor 2 open to below - No Glass per Design team	126	lf	\$ 285.00	\$ 35,910	
Railing at ornamental stair, matching slab edge railing	202	lf	\$ 285.00	\$ 57,570	
Railings, stair guardrails w/handrails; North & South Stairs & G Ramp	192	lf	\$ 275.00	\$ 52,800	
Railings, stair handrails, wall-mtd; North & South Stairs & G Ramp	277	lf	\$ 150.00	\$ 41,550	
				Total Metal Fabrications	\$ 476,935
06 10 00 Rough Carpentry					
Blocking					
Exterior Window 1x & 2x Sills	299	lf	\$ 12.24	\$ 3,660	
Exterior Curtain Wall & Storefront (perimeter)	1,000	lf	\$ 12.24	\$ 12,240	
Interior Storefront (perimeter)	150	lf	\$ 12.24	\$ 1,836	
Roof Perimeter Wood Blocking (assume 3 pcs)	1,332	lf		w/ Roofing	
Roof Curb Blocking	1	ls		w/ Roofing	
Misc. Interior Wall Blocking (20% of wall area)	6,609	sf	\$ 0.51	\$ 3,371	
Glu-Lam Beams					
Glu-Lam Beam 06.75x24.75	1,301	lf	\$ 142.80	\$ 185,783	
Glu-Lam Beam 10.5x.30	160	lf	\$ 229.50	\$ 36,720	
Temporary Protections					
Temporary Partitions	-			None - Excluded	
Remove Temp Walls	-			None - Excluded	
Temp Doors	5	ea	\$ 1,122.00	\$ 5,610	
Relocate / Remove Temp Doors	5	ea	\$ 255.00	\$ 1,275	
Floor Protection	5,000	sf	\$ 2.00	\$ 9,996	
Remove Floor Protection	3	cd	\$ 1,632.00	\$ 4,896	
Temp Window Enclosures	1	allw	\$ 10,200.00	\$ 10,200	
Equipment					
Lift Rental	8	mo	\$ 5,100.00	\$ 40,800	
Scaffold Stair Towers for Roof Access	3	flrs	\$ 10,200.00	\$ 30,600	
Safety					
Wood Safety Rails, Plywood Covers, Etc	38,229	sf	\$ 0.51	\$ 19,497	
				Total Rough Carpentry	\$ 366,483

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
06 20 00 Finish Carpentry					
Wood Ceilings and Soffits					
Custom Wood Plywood Ceiling at Community Room	1,377	sf	\$ 49.00	\$ 67,483	
Acoustic Wood ceiling, level 1, plywood, living rm, incl finish	1,052	sf	\$ 41.00	\$ 43,132	
Add wood-clad soffits/facia	342	lf	\$ 70.00	\$ 23,940	
Acoustic wood ceiling, 2x8x3/4" plywood incl finish	6,596	sf	\$ 35.07	\$ 231,322	
Architectural Millwork					
Service desk, children's	21	lf	\$ 751.50	\$ 15,782	
Service desk, library center	35	lf	\$ 851.70	\$ 29,810	
Art Display Case, Glass Shelving	8	lf	\$ 901.80	\$ 7,214	
Base Cabinets 24" w/ Countertops - Solid Surface	211	lf	\$ 400.80	\$ 84,569	
Base Cabinets 24" w/ Countertops - Solid Surface w/ Adj shelving	56	lf	\$ 425.85	\$ 23,848	
Upper Cabinets	-	lf			
Hardwood Column Covers - 15'-4"	12	ea	\$ 1,803.60	\$ 21,643	
Hardwood Column Covers - 11'-5"	10	ea	\$ 1,603.20	\$ 16,032	
Worksurface w/ Brackets SS	-	lf	\$ 200.40	\$ -	
Trim and Shelving					
Plywood acoustical wall paneling	285	sf	\$ 40.08	\$ 11,423	
Fireplace mantle	9	lf	\$ 400.80	\$ 3,607	
History collection adjustable shelving	54	lf	\$ 275.55	\$ 14,880	
Library collection shelving, by Owner		NIC		by Owner	
Window Sills	299	lf	\$ 38.08	\$ 11,385	
Misc. Finish Carpentry					
Light shelf, allowance	40	lf	\$ 35.07	\$ 1,403	
PL Elevator Surround	250	sf	\$ 30.06	\$ 7,515	
				Total Finish Carpentry	\$ 614,986
06 30 00 Porch Deck					
Framing for Porch Decking	8	tons	\$ 6,000.00	\$ 48,000	
Wood Decking, Porch 2x12 ipea at 12" o.c. on 2x10 PT joists 16" oc	1,563	sf	\$ 66.30	\$ 103,627	
Wood Decking, Porch, fill-in on top of SOG at entry	40	sf	\$ 33.15	\$ 1,326	
Seal exposed tongue and groove [A2.02] or exposed acoustic deck [S-1.03]	6,741	sf	\$ 1.00	\$ 6,741	
				Total Porch Deck	\$ 159,694
07 10 00 Damp / Waterproofing					
Damp / Waterproofing					
Elevator Pit	1		\$ 7,500	\$ 7,500	
Exterior Building Waterproofing				None - Excluded	
				Total Damp / Waterproofing	\$ 7,500
07 21 00 Thermal Insulation					
In-wall Batt Insulation				w/ Gypsum	
Rigid Insulation				w/ Concrete and Masonry	
Spray Insulation at Garage Ceiling	8,798	sf	\$ 5	\$ 46,190	
				Total Thermal Insulation	\$ 46,190
07 25 00 Air & Vapor Barriers					
Fluid Applied Air & Vapor Barriers				w/ Concret, Masonry & Drywall	
				Total Air & Vapor Barriers	\$ -
07 30 00 Siding					
PVC Siding 8"	966	sf	\$ 15	\$ 14,490	
PVC Trim 10"	269	lf	\$ 12	\$ 3,228	
6" wide PVC Board ceiling at porch overhang, vest., underside of balcony	1,712	sf	\$ 20.04	\$ 34,308	
				Total Air & Vapor Barriers	\$ 52,026
07 46 00 Exterior Panels					
Exterior Soffit at entry				w/ Ceilings	
Aluminum composite panel roof at bump-out, floor 1			\$ 102	None - Excluded	
Mechanical Outdoor Area, Panels attached to CMU backup, insulated				None - Excluded	
				Total Exterior Panels	\$ -

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
07 50 00	Roofing					
	EPDM single ply roofing, (1) main roof and elevator override	17,481	sf	\$ 32	\$ 559,392	
	EPDM single ply roofing, (2) mechanical well	1,244	sf		w/ Above	
	EPDM single ply roofing, (3) east & south roof	2,599	sf		w/ Above	
	EPDM single ply roofing, (4) east low entry roof	183	sf		w/ Above	
	EPDM single ply roofing, (4) porch roof				None - Excluded	
	EPDM single ply roofing, bump out - not shown				None - Excluded	
	Gravel stop	828	lf	\$ 20	w/ Above	
	Metal coping/facia at high roof perimeter	956	lf	\$ 72	\$ 68,832	
	Roof facia, porch-level roofs	591	sf		w/ Above	
	Roof hatch, none shown (access from outdoor mech?)				None - Exclude	
	Set Mechanical Curbs & Flashing (89')	1	ls	\$ 5,000	\$ 5,000	
	Skylight, domed, 6'-0" diameter	1	ea	\$ 8,500	\$ 8,500	
	Roofing Membrane at Mechanical Walls	790	sf	\$ 38	\$ 30,020	
	Temp Roof Rails	530	lf	\$ 30.60	\$ 16,218	
	Roof Perimeter Wood Blocking (assume 3 pcs)	1,332	lf	\$ 12.24	\$ 16,304	
	Roof Curb Blocking	1	ls	\$ 5,100.00	\$ 5,100	
					Total Membrane Roofing	\$ 709,366
07 62 00	Sheet Mtl Flashings & Trim					
	Perimeter Flashings				w/ Roofing	
					Total Flashing & Trim	\$ -
07 81 00	Applied Fireproofing					
	Applied Fireproofing - Fire Wall Locations				None - Excluded	
	Applied Fireproofing - Patching				None - Excluded	
	Intumescient Coatings				None - Excluded	
					Total Applied Fireproofing	\$ -
07 84 00	Penetration Firestopping					
	Firestopping of new Floors, Walls, Roof	30,169	sf	\$ 0.20	\$ 6,034	
	Fire Safing / Fire Sealants	30,169	sf	\$ 0.25	\$ 7,542	
					Total Penetration Firestopping	\$ 13,576
07 92 00	Joint Sealants					
	Foundations				w/ Concrete	
	Millwork / Casework				w/ Finish Carpentry	
	Door Frames				w/ Doors & Frames	
	Glazing				w/ Curtain Wall	
	Misc Joint Sealants	30,169	sf	\$ 0.30	\$ 9,051	
					Total Joint Sealants	\$ 9,051
07 95 00	Expansion Control					
	Expansion Joints					
	Roof (does not include blocking)				w/ Roof	
	CMU Masonry Wainscotting				w/ Masonry	
	Floor / Slabs	175	lf	\$ 50.00	\$ 8,750	
	Interior Wall	180	lf	\$ 25.00	\$ 4,500	
	CFMF Wall	140	lf	\$ 75.00	\$ 10,500	
	Ceiling	175	lf	\$ 35.00	\$ 6,125	
					Total Expansion Control	\$ 29,875
08 10 00	Hollow Mtl Doors & Frames					
	Frames					
	HM Frame - Single, interior, GWB wall	27	ea	\$ 550.00	\$ 14,850	
	HM Frame - Single, interior, CMU wall, rated	6	ea	\$ 800.00	\$ 4,800	
	HM Frame - Double, interior, GWB wall	7	ea	\$ 1,000.00	\$ 7,000	
	HM Frame - Single, exterior, in exterior wall	5	ea	\$ 1,000.00	\$ 5,000	
	HM Frame - Double, exterior, in exterior wall	1	ea	\$ 1,000.00	\$ 1,000	
	Field Measure All Door Frames for New Doors	1	cd	\$ 1,760.00	\$ 1,760	
	Frame Installation	46	ea	\$ 150.00	\$ 6,900	
	HM Borrowed Light/window/sidelight, furnish and install, incl glazing	-	sf	\$ 125.00	w/Glass	

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
	Doors					
	Exterior HM doors	7	leaves	\$ 800.00	\$ 5,600	
	Wood Doors	54	leaves	\$ 600.00	\$ 32,400	
	Unload, Catalogue, Distribute	61	ea	\$ 150.00	\$ 9,150	
	Door Installation	61	ea	\$ 100.00	\$ 6,100	
	Door Hardware					
	Standard Hardware	61	sets	\$ 800.00	\$ 48,800	
	Glass door hardware, with glass and glazing contractor (except card swipes)			w/ Doors/Frames/Hardware		
	Panic Hardware - Premium	6	sets	\$ 500.00	\$ 3,000	
	Sound Gasketing & Smoke Seals	7	sets	\$ 100.00	\$ 700	
	Card Swipes for exterior HM door & glass entry pairs	3	sets	\$ 2,500.00	\$ 7,500	
	Installation - average unit price	61	sets	\$ 150.00	\$ 9,150	
					Total HM Doors & Frames	\$ 163,710
08 30 00	Specialty Doors					
	Interior					
	Overhead Coiling Doors at Café (12'-0"w x 8'h)	1	ea	\$ 6,500.00	\$ 6,500	
	Overhead Coiling Grilles at kitchenette/café (4'-4"w x 3'10"h)	1	ea	\$ 4,000.00	\$ 4,000	
	Access Doors	1	ls	\$ 1,000.00	\$ 1,000	
					Total Specialty Doors	\$ 11,500
08 41 00	Entrances & Storefront					
	Exterior Storefront (ST Series)					
	EFCO or equal storefronts					
	Storefront (Type ST-7) at South Elevation	72	sf	\$ 120.00	\$ 8,640	
	Storefront (Type ST-8) at South Elevation	130	sf	\$ 120.00	\$ 15,600	
	Storefront (Type ST-9) at South Elevation	120	sf	\$ 120.00	\$ 14,400	
	Single Entry Door	2	leaves	\$ 3,000.00	\$ 6,000	
	Pair Entry Door	1	pair	\$ 5,000.00	\$ 5,000	
	Exterior Door Hardware (Standard)	3	opgs	\$ 800.00	\$ 2,400	
	Power Door Operator at Exterior West Vestibule	1	ea	\$ 12,000.00	\$ 12,000	
	Interior Storefront					
	Storefront (GL-1) at Child.(carried 3'H), Teens (carried 3'H), Collab.,Kids Art, Offices, Tech & Study	1,625	sf	\$ 85.00	\$ 138,125	
	Storefront at Interior East Vestibule	280	sf	\$ 80.00	\$ 22,400	
	Storefront (GL-1), half-height over gwb wall at Childrens, Collab., & Teens	812	sf	\$ 85.00	\$ 69,020	
	Window at South Stair & Ramp Area - Fire Rated	258	sf	\$ 195.00	\$ 50,310	
	Aluminum Door Assemblies					
	Single Interior alum/glass door	16	leaves	\$ 4,200.00	\$ 67,200	
	Pair Interior alum/glass doors	4	pair	\$ 4,800.00	\$ 19,200	
	Interior Door Hardware (Standard)	20	opgs	\$ 778.00	\$ 15,560	
	Power Door Operator at Interior East Vestibule	1	ea	\$ 11,500.00	\$ 11,500	
					Total Entrances & Storefront	\$ 457,355
08 44 00	Metal Framed Curtainwall					
	Curtainwall (CW Series)					
	EFCO or equal curtainwall					
	Curtainwall (Type CW-1)	1,609	sf	\$ 200.00	\$ 321,800	
	Curtainwall (Type CW-2)	1,019	sf	\$ 200.00	\$ 203,800	
	Curtainwall (Type CW-4)	500	sf	\$ 200.00	\$ 100,000	
	Curtainwall (Type CW-5)	130	sf	\$ 200.00	\$ 26,000	
	Curtainwall (Type CW-6)	231	sf	\$ 200.00	\$ 46,200	
	Aluminum Vertical Louvers at East Elevation	1,740	sf	\$ 65.00	\$ 113,100	
	Bump-out, floor 1, including spandrel panels		sf		None - Excluded	
	Aluminum Door Assemblies, including installation and hardware					
	Single Entry Door	-	leaves	\$ 4,400.00	in Storefronts	
	Pair Entry Door	1	pair	\$ 5,000.00	\$ 5,000	
	Hardware Sets (Standard)	1	opg	\$ 800.00	\$ 800	
	Power Door Operator at Exterior East Vestibule					
	Aluminum Composite Panels Overhang - with ceilings				Deleted	
					Total Curtainwall	\$ 816,700

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
08 50 00 Windows					
Window System / Storefront (SF Series)					
EFCO or equal windows					
Window/Storefront (Type ST-1) - 17ea	518	sf	\$ 70	\$ 36,260	
Window/Storefront (Type ST-2) - 4ea	151	sf	\$ 70	\$ 10,570	
Window/Storefront (Type ST-3) - 9ea	451	sf	\$ 70	\$ 31,570	
Window/Storefront (Type ST-4) - 4ea	492	sf	\$ 70	\$ 34,440	
Window/Storefront (Type ST-5) - 5ea	644	sf	\$ 70	\$ 45,080	
Window/Storefront (Type ST-6) - 1ea	67	sf	\$ 70	\$ 4,690	
				Total Windows	\$ 162,610
08 71 00 Door Hardware					
Door Hardware				w/ Doors & Frames	
				Total Door Hardware	\$ -
08 80 00 Glass & Glazing					
Mirrors - Frameless				None - Excluded	
Toilet Room Mirrors				w/ Toilet Accessories	
				Total Glass & Glazing	\$ -
08 90 00 Louvers & Vents					
Louvers - misc not shown	1	allw	\$ 5,000.00	\$ 5,000	
				Total Louvers	\$ 5,000
09 21 00 Gypsum Board Assemb					
Exterior Walls					
Exterior wall 8" metal studs and 5/8" GWB (assume DenzGlass sheathing or equal); AVB and rigid insulation with masonry contractor	9,578	sf	\$ 38.00	\$ 363,964	
Exterior wall at Mechanical 8" metal studs and 5/8" GWB (assume DenzGlass sheathing or equal); AVB and rigid insulation with masonry contractor	1,040	sf	\$ 38.00	\$ 39,520	
Exterior wall at Parapet 8" metal studs and 5/8" GWB (assume DenzGlass sheathing or equal); AVB and rigid insulation with masonry contractor	1,126	sf	\$ 38.00	\$ 42,788	
Interior Partitions (per Drawing A0.03)					
Typ Int. Shaftwalls (Type S3) - 4" CH Stud+3/4" GWB+3" Mineral Wool+1"GWB (2Hr)	1,310	sf	\$ 23.50	\$ 30,785	
Int. Part (Type M31) - 5/8"GWB+2-1/2"M.S.- (20Min)	2,564	sf	\$ 10.00	\$ 25,640	
Int. Part (Type M41) - 5/8"MRGWB+3-5/8"M.S.- Plumbing Chases	4,410	sf	\$ 12.00	\$ 52,920	
Int. Part (Type M42) - 5/8"GWB-2Side+3-5/8"M.S.+Ins. (STC 45)	6,312	sf	\$ 15.00	\$ 94,680	
Int. Part (Type M43) - 5/8"GWB-(2lay+1lay)+3-5/8"M.S.+Ins.(STC 50)	5,754	sf	\$ 15.00	\$ 86,310	
nt. Part (Type M44) - 5/8"GWB-(2layEaSide)+3-5/8"M.S.+Ins.(STC 50)	6,518	sf	\$ 16.00	\$ 104,288	
Int. Partition (Type M62) - 5/8"GWB-EaSide+6"M.S.+5-1/2"SBI- (STC 49)	580	sf	\$ 15.00	\$ 8,700	
New Stud Framed Wall 3-5/8" studs, half height wall	1,164	sf	\$ 2.50	\$ 2,910	
Typ. Column Enclosures (Details 1&9/A4.31) - 5/8"GWB+3-5/8"M.S.	1,768	sf	\$ 12.00	\$ 21,216	
Typ int GWB partitions, 5'8" GWB, 3-5/8" studs, batt insul, STC rating		sf		In Above	
Furring, 5/8" GWB on channels for interior walls, on CMU	1,368	sf	\$ 8.25	\$ 11,286	
Typ interior GWB partition, plumbing chase wall		sf	\$ 35.00	In Above	
Drywall Returns at Windows	1,298	lf	\$ 18.75	\$ 24,338	
Ceilings					
Framed structure for top of East Vestibule	144	sf	\$ 42.00	\$ 6,048	
Gypsum Ceilings at Levels 1 & 2 (per RCP)	1,046	sf	\$ 17.00	\$ 17,782	
Gypsum Ceilings at Parking & Level 1 Shaftwalls	216	sf	\$ 32.00	\$ 6,912	
Soffits & Boxouts					
Drywall Soffits (Details on A2.31) at Childrens, Teens, Kids, Corr. & Community	3,072	sf	\$ 17.00	\$ 52,224	
Drywall Soffits (Detail 14/A2.31) at Caf� Coiling Door	174	sf	\$ 17.00	\$ 2,958	
Recessed Drywall Light Pocket (Det.16/A231) at Bathrooms	96	sf	\$ 17.00	\$ 1,632	
Misc Joint Sealants included with Div 7			\$ 17.00	w/ Div 7	
Suspended acoustical clouds			\$ 34.00	Acoustic Ceilings	
Wood-clad soffits with carpentry			\$ 17.00	w/ Carpentry	
Misc Joint Sealants included with Div 7			\$ 17.00	w/ Div 7	
				Total Gypsum Board Assemblies	\$ 996,901

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
09 30 00 Tile					
Floor Tile					
CT-1 - Ceramic at Custodian #117 & Kitchen #121	188	sf	\$ 16.00	\$ 3,008	
CT-2 - Porcelain at Hall #101;Toilets #117A,#118, #119, #204, 206, #207; & Bc	1,684	sf	\$ 16.00	\$ 26,944	
Tile Base					
CT-1 - Ceramic at Custodian #117 & Kitchen #121	80	lf	\$ 12.50	\$ 1,000	
CT-2 - Porcelain at Hall #101; Toilets #117A,#118, #119, #204, 206, #207 & Bc	240	lf	\$ 16.00	\$ 3,840	
Wall Tile					
CTW-1 Ceramic at Wetwalls	1,310	sf	\$ 16.00	\$ 20,960	
Marble Thresholds	9	ea	\$ 150.00	\$ 1,350	
Crack Suppression, Waterproofing Membrane	1,872	sf	\$ 3.00	\$ 5,616	
Attic Stock	0%				
				Total Tile	\$ 62,718
09 51 00 Acoustical Ceiling					
ACT-1 - 2'x2'x1"	11,941	sf	\$ 8.00	\$ 95,528	
ACT-2 - 2'x8'x1"	2,060	sf	\$ 9.00	\$ 18,540	
ACT-3 - 2'x4'x1" at Open Parking	6,950	sf	\$ 12.00	\$ 83,400	
ACT-4 - Suspended Acoustical Cloud Ceilings at Childrens	460	sf	\$ 40.00	\$ 18,400	
Axiom Trim - 4" (Detail 3/A2.31) at Cloud Ceilings	180	lf	\$ 30.00	\$ 5,400	
ACT-5 - Acoustic Wood Slat Ceilings - Living Room, (Detail 21/A4.22)	1,052	sf		In Carpentry	
Add wood-clad soffits/facia	342	lf		In Carpentry	
Wood Ceilings Sloped Community Room - 2x8x3/4" (Sect.2/A3.10) plywood incl f	1,500	sf		In Carpentry	
Wood Ceilings Adult Stacks, Quiet Study & Open Area 2x8x3/4" (Det. 9/A2.31)	6,596	sf		In Carpentry	
plywood incl finish					
PVC Board Ceiling at porch overhang, vest., underside of balcony	1,712	sf		In Carpentry	
Stucco, spray finish on cement board ceiling at garage; cement board on furring		sf		Deleted	
strips attached to beams + stucco + insul					
Misc Acoustical Ceilings and Trim not yet detailed	1	ls		None - Excluded	
Attic Stock	0%				
				Total Acoustical Ceiling	\$ 221,268
09 64 00 Wood Flooring					
Wood Flooring				None - Excluedeed	
				Total Wood Flooring	\$ -
09 61 10 Vapor Mitigation					
Moisture Mitigation				w/ Concrete	
				Total Vapor Mitigation	\$ -
09 65 00 Resilient Flooring					
Stairs # S01, S02 & S03					
Rubber Stair Landings at Stairs S01 & S02	614	sf	\$ 7.00	\$ 4,298	
Rubber Risers & Treads at Stairs S01 & S02	330	lf	\$ 30.00	\$ 9,900	
Ornamental Stair Landing & Tread finish TBD at Stair S03, allow	150	sf-allow	\$ 40.00	\$ 6,000	
Floors					
Solid Vinyl at Staff, Storage, A/V, Café, IT, Mail, Staff Lounge, & Lockers	1,860	sf	\$ 7.00	\$ 13,020	
Floor Prep	1,860	sf	\$ 0.75	\$ 1,395	
Wall Base & Accessories					
Rubber base	3,490	lf	\$ 2.50	\$ 8,725	
Attic Stock	0%	pct	\$ 43,338.00	\$ -	
				Total Resilient Flooring	\$ 43,338
09 67 00 Resinous Flooring					
Epoxy Flooring at Library Storage #005 & Library Store #006	964		\$ 12	\$ 11,568	
Integral Cove Base at Epoxy Flooring at Library Storage #005 & Library Store #006	174		\$ 18	\$ 3,132	
				Total Resinous Flooring	\$ 14,700

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
09 68 00	Carpet					
	Carpet Tile	20,750	sf	\$ 6.47	\$ 134,253	
	Entry Mat				w/ Furnishings	
	Floor Prep	20,750	sf	\$ 0.75	\$ 15,563	
	Attic Stock	0%		\$ 149,815	\$ -	
					Total Carpet	\$ 149,815
09 80 00	Acoustical Treatment					
	Acoustical Wall Panels	2,420	sf-allw	\$ 25	\$ 60,500	
					Total Acoustical Treatment	\$ 60,500
09 91 00	Painting					
	Exterior					
	HM Doors	7	ea	\$ 85.00	\$ 595	
	HM Frames	6	ea	\$ 150.00	\$ 900	
	Interior					
	HM Doors	47	ea	\$ 85.00	\$ 3,995	
	HM Frames	40	ea	\$ 150.00	\$ 6,000	
	Stair Finishes					
	Paint Stair & Rails	5	fit	\$ 3,000.00	\$ 15,000	
	Wall Finish					
	Paint CMU walls, epoxy	5,415	sf	\$ 1.90	\$ 10,289	
	Paint Concrete walls, epoxy	10,150	sf	\$ 1.90	\$ 19,285	
	Paint Interior Partitions	41,380	sf	\$ 1.35	\$ 55,863	
	Floor Finish					
	Paint Wood Base at Hall #101	190	lf	\$ 3.00	\$ 570	
	Sealed Concrete at Rooms (per Finish Schedule)	1,040	sf	\$ 2.00	\$ 2,080	
	Sealed Concrete at Parking Areas				NIC	
	Paint Railings & Guardrails	200	lf	\$ 50.00	\$ 10,000	
	Epoxy floor	-	sf	\$ 6.00	in Flooring	
	Epoxy base	-	lf	\$ 3.50	in Flooring	
	Ceilings					
	Exposed Structure & Deck	2,900	sf	\$ 2.50	\$ 7,250	
	Gypsum Ceilings	1,050	sf	\$ 1.30	\$ 1,365	
	Gyp Soffits & Facia	3,350	sf	\$ 1.30	\$ 4,355	
	Paint Wood Trim at Glulams	190	lf	\$ 3.00	\$ 570	
	Paint Wood Ceilings	-	sf	\$ 2.00	Prefinished	
	Misc. Touch Ups	20	mh	\$ 78.70	\$ 1,574	
					Total Painting	\$ 139,691
10 11 00	Visual Display Surfaces					
	White board/tack board allowance	4	ls	\$ 500.00	\$ 2,000	
	Installation	4	mh	\$ 190.00	\$ 760	
					Total Visual Display Surfaces	\$ 2,760
10 14 00	Signage					
	Exterior Building Sign - Dimensional Letter Signage	1	allw	\$ 10,000.00	\$ 10,000	
	Exterior Building Sign - Site Signage, existing to remain		NIC		None - Excluded	
	Exterior signage, directional/parking, with sitework contractor				w/ Sitework	
	Interior Signage - allowance	30,169	sf	\$ 0.25	\$ 7,542	
	Temporary Signage	1	ls	\$ 5,000.00	\$ 5,000	
					Total Signage	\$ 22,542
10 21 13	Toilet Compartments					
	Stainless steel partition, single toilet	3	ea	\$ 2,000.00	\$ 6,000	
	Urinal Screen	1	ea	\$ 500.00	\$ 500	
					Total Toilet Compartments	\$ 6,500
10 22 33	Operable Partitions					
	Folding Partition at Team Rms (2 loc)				None - Excluded	
					Total Operable Partitions	\$ -

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
10 26 00	Wall & Door Protection					
	Wall & Door Protection - Allowance	1	ls	\$ 5,000	\$ 5,000	
					Total Wall & Door Protection	\$ 5,000
10 28 00	Toilet Accessories					
	36" grab bar	6	ea	\$ 55.00	\$ 330	
	42" grab bar	2	ea	\$ 60.00	\$ 120	
	Toilet tissue dispenser (single)	6	ea	\$ 50.00	\$ 300	
	Paper towel dispenser	6	ea	\$ 45.00	\$ 270	
	Soap dispenser	6	ea	\$ 25.00	\$ 150	
	Sanitary napkin disposal	1	ea	\$ 30.00	\$ 30	
	Trash Receptacles	6	ea	\$ 250.00	\$ 1,500	
	Mop & Broom Bracket	1	ea	\$ 50.00	\$ 50	
	Mirror adhered to wall	6	ea	\$ 150.00	\$ 900	
	Diaper Changing Station - Koala KB101 Fiber	1	ea	\$ 350.00	\$ 350	
	Accessories Installation	41	ea	\$ 75.00	\$ 3,075	
					Total Toilet Accessories	\$ 7,075
10 32 00	Fireplace Inserts					
	Fireplace inserts					
	Electric fireplace insert	1	ls	\$ 2,000	\$ 2,000	
					Total Fireplace Inserts	\$ 2,000
10 44 00	Fire Protection Specialties					
	Fire Extinguishers & Cabinets (allw) - Not Shown	1	ea	\$ 3,500	\$ 3,500	
					Total Fire Protection Spec	\$ 3,500
10 51 00	Lockers					
	Staff Lockers	9	ea	\$ 450.00	\$ 4,050	
	Installation	9	ea	\$ 25.00	\$ 225	
					Total Lockers	\$ 4,275
10 52 20	Postal Equipment					
	Postal Specialties Allowance				None - Excluded	
					Total Postal Equipment	\$ -
10 83 16	Banners					
	Decorative Banners - Install Only (Allowance)				None - Excluded	
					Total Banners	\$ -
11 13 00	Loading Dock Equipment					
	Loading Dock Levelers, Bumpers, etc.		ls		None - Excluded	
	Air Curtains at (3) openings					
					Total Dock Equipment	\$ -
11 51 26	Library Equipment					
	Book Drop	2		\$ 1,200	\$ 2,400	
					Total Library Equipment	\$ 2,400
11 30 00	Residential Appliances					
	Microwave Oven	2	ea	\$ 350.00	\$ 700	
	Refrigerator, 22 cu in	1	ea	\$ 2,000.00	\$ 2,000	
	Dishwasher	1	ea	\$ 950.00	\$ 950	
	Undercounter Refrig	1	ea	\$ 1,750.00	\$ 1,750	
	Range at kitchenette by café	1	ea	\$ 850.00	\$ 850	
	Range hood	1	ea		See Add / Alt	
	Undercounter Ice Machine	1	ea	\$ 950.00	\$ 950	
	Coffee Maker	2	ea	\$ 250.00	\$ 500	
	Unloading and setup	10	ea	\$ 150.00	\$ 1,500	
					Total Appliances	\$ 9,200

Bloomfield Libraries

Bloomfield, CT

Design Development

Drawings Dated: 10/07/2022

Estimate Date 11/01/2022

PROSSER DETAIL

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
11 90 00	Miscellaneous Equipment					
	Misc Equipment				None - Excluded	
					Total Misc. Equipment	\$ -
12 20 00	Window Treatment					
	Window Shades, allowance (area of windows and curtainwall)		sf		None - Excluded	
					Total Window Treatment	\$ -
12 48 13	Entrance Mats & Frame					
	Walkoff Mat at entry	210	sf	\$ 22.00	\$ 4,620	
					Total Entry Mat & Frame	\$ 4,620
14 20 00	Elevators					
	Passenger Elevator	3	stops	\$ 45,000.00	\$ 135,000	
	Cab allowance	1	ea	\$ 15,000.00	\$ 15,000	
	Sill Angles, Sump Cover & Ladder				w/ Misc Metals	
					Total Elevators	\$ 150,000
21 00 00	Fire Protection					
	Equipment & Valves:					
	6" Fire protection service entrance	1	ea	\$ 4,500	\$ 4,500	
	6" Double check valve backflow preventer	1	ea	\$ 8,500	\$ 8,500	
	Test Header	1	ea	\$ 1,500	\$ 1,500	
	Alarm check valve assembly	1	ea	\$ 5,500	\$ 5,500	
	Dry valve assemblies	1	ls	\$ 4,800	\$ 4,800	
	Fire department connection	1	ea	\$ 1,500	\$ 1,500	
	Electric bell	1	ea	\$ 450	\$ 450	
	Zone control valve station	3	ea	\$ 2,600	\$ 7,800	
	Clean Agent Fire Extinguishing System (History Collection Room)	1	ls	\$ 20,000	\$ 20,000	
	Sprinkler head	386	ea			
	Sprinkler head: Concealed Pendant	245	ea	\$ 100	\$ 24,500	
	Sprinkler head: Dry Pendant	81	ea	\$ 105	\$ 8,505	
	Sprinkler head: Dry Sidewall	2	ea	\$ 125	\$ 250	
	Sprinkler head: Upright	58	ea	\$ 100	\$ 5,800	
	Sprinkler Pipe Wet:					
	Riser sprinkler pipe Wet with fittings & hangers	53	lf	\$ 70	\$ 3,710	
	Main sprinkler pipe Wet with fittings & hangers	483	lf	\$ 45	\$ 21,735	
	Branch pipe Wet with fittings & hangers	3,360	lf	\$ 30	\$ 100,800	
	Sprinkler Pipe Dry:					
	Riser sprinkler pipe Dry with fittings & hangers	74	lf	\$ 72	\$ 5,328	
	Main sprinkler pipe Dry with fittings & hangers	231	lf	\$ 47	\$ 10,857	
	Branch pipe Dry with fittings & hangers	840	lf	\$ 32	\$ 26,880	
	Common Work Results for Fire Protection					
	Coordination & BIM	1	ls	\$ 7,500	\$ 7,500	
	Engineering / Shop Drawings	1	ls	\$ 3,500	\$ 3,500	
	Seismic / structural components	1	ls	\$ 2,000	\$ 2,000	
	Coring, sleeves & firestopping	1	ls	\$ 1,500	\$ 1,500	
	Commissioning support	1	ls	\$ 1,000	\$ 1,000	
	State Fees & permits	1	ls	\$ 2,000	\$ 2,000	
	Utility Fees					
					Total Fire Protection	\$ 280,415

Bloomfield Libraries

Bloomfield, CT

Design Development

Drawings Dated: 10/07/2022

Estimate Date 11/01/2022

PROSSER DETAIL

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
22 00 00 Plumbing					
Plumbing Equipment:					
Gas Fired Water Heater	1	ea	\$ 11,300	\$ 11,300	
Hot water recirculation pump	1	ea	\$ 1,650	\$ 1,650	
Expansion tank	1	ea	\$ 1,100	\$ 1,100	
Mixing valve; master	1	ea	\$ 8,500	\$ 8,500	
Water meter assembly	1	ea	\$ 3,650	\$ 3,650	
3" Backflow preventer for domestic water system	1	ea	\$ 4,500	\$ 4,500	
6" Backflow preventer (by fire sprinkler)				w/ Fire Protection	
Oil interceptor for garage area drains (by civil)				w/ Civil	
Elevator sump pump	1	ea	\$ 6,500	\$ 6,500	
Floor drain	4	ea	\$ 950	\$ 3,800	
Area drain	5	ea	\$ 1,500	\$ 7,500	
Miscellaneous plumbing equipment	1	ls	\$ 3,000	\$ 3,000	
Plumbing Fixtures:					
Water closet ADA	5	ea	\$ 1,800	\$ 9,000	
Water closet	1	ea	\$ 1,775	\$ 1,775	
Lavatory, wall hung	6	ea	\$ 1,475	\$ 8,850	
Sink	3	ea	\$ 1,250	\$ 3,750	
Electric water cooler, bi-level	2	ea	\$ 3,300	\$ 6,600	
Mop basin	1	ea	\$ 1,450	\$ 1,450	
Hose bibb (Carried forward)	4	ea	\$ 400	\$ 1,600	
Hose bibb (exterior)	2	ea	\$ 500	\$ 1,000	
Freezeproof wall hydrant	1	ea	\$ 500	\$ 500	
Fridge Connection Point	2	ea	\$ 400	\$ 800	
Domestic Water Piping:					
Domestic water main service	1	ea	\$ 5,000	\$ 5,000	
2" Domestic water pipe with fittings & hangers (copper)	200	lf	\$ 55	\$ 11,000	
1 1/2" Domestic water pipe with fittings & hangers (copper)	140	lf	\$ 52	\$ 7,280	
1 1/4" Domestic water pipe with fittings & hangers (copper)	20	lf	\$ 50	\$ 1,000	
1" Domestic water pipe with fittings & hangers (copper)	140	lf	\$ 48	\$ 6,720	
3/4" Domestic water pipe with fittings & hangers (copper)	340	lf	\$ 45	\$ 15,300	
1/2" Domestic water pipe with fittings & hangers (copper)	360	lf	\$ 40	\$ 14,400	
Domestic water valves and fittings	1	ls	\$ 10,319	\$ 10,319	
Domestic water pipe insulation	1,200	lf	\$ 13	\$ 15,600	
Sanitary Waste And Vent Pipe w/ Hangers:					
3" UG Waste and vent piping	34	lf	\$ 48	\$ 1,632	
4" UG Waste and vent piping	369	lf	\$ 55	\$ 20,295	
6" UG Waste and vent piping	81	lf	\$ 70	\$ 5,670	
2" AG Waste and vent piping	414	lf	\$ 45	\$ 18,630	
3" AG Waste and vent piping	125	lf	\$ 48	\$ 6,000	
4" AG Waste and vent piping	277	lf	\$ 55	\$ 15,235	
Stormwater					
Roof drain - primary	12	ea	\$ 1,400	\$ 16,800	
Roof drain - secondary	7	ea	\$ 1,400	\$ 9,800	
Scupper Drain	3	ea	\$ 1,200	\$ 3,600	
Overflow Nozzle	6	ea	\$ 600	\$ 3,600	
Backwater valve	2	ea	\$ 850	\$ 1,700	
2" UG Storm piping	9	lf	\$ 45	\$ 405	
4" UG Storm piping	53	lf	\$ 55	\$ 2,915	
5" UG Storm piping	72	lf	\$ 65	\$ 4,680	
6" UG Storm piping	72	lf	\$ 70	\$ 5,040	
8" UG Storm piping	31	lf	\$ 85	\$ 2,635	
2" AG Storm piping	181	lf	\$ 45	\$ 8,145	
3" AG Storm piping	48	lf	\$ 50	\$ 2,400	
4" AG Storm piping	221	lf	\$ 55	\$ 12,155	
5" AG Storm piping	167	lf	\$ 65	\$ 10,855	
6" AG Storm piping	61	lf	\$ 70	\$ 4,270	
8" AG Storm piping	76	lf	\$ 85	\$ 6,460	
5" Overflow AG Storm piping	92	lf	\$ 65	\$ 5,980	
6" Overflow AG Storm piping	36	lf	\$ 70	\$ 2,520	
Storm pipe Insulation (horizontal only)	520	lf	\$ 18	\$ 9,360	

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
Natural Gas Piping:					
Natural gas meter connection	1	ls	\$ 2,500	\$ 2,500	
3/4" Black steel pipe with fittings & hangers	90	lf	\$ 45	\$ 4,050	
1 1/2" Black steel pipe with fittings & hangers	123	lf	\$ 55	\$ 6,765	
2 " Black steel pipe with fittings & hangers	23	lf	\$ 60	\$ 1,380	
3" Black steel pipe with fittings & hangers	145	lf	\$ 75	\$ 10,875	
Equipment connections	4	ea	\$ 1,200	\$ 4,800	
Gas Shut Off	1	ea	\$ 1,500	\$ 1,500	
Condensate Drain Piping:					
Copper pipe type L with fittings & hangers				Incl w/HVAC below	
Condensate Pipe insulation				Incl w/HVAC below	
Common Work Results for Plumbing					
Coordination & BIM	1	ls	\$ 15,000	\$ 15,000	
Coring, sleeves & firestopping	1	ls	\$ 4,000	\$ 4,000	
Seismic / structural components	1	ls	\$ 3,000	\$ 3,000	
Commissioning support	1	ls	\$ 2,000	\$ 2,000	
Testing and sterilization	1	ls	\$ 1,000	\$ 1,000	
Rigging / Equipment rental	1	ls	\$ 3,000	\$ 3,000	
Shop Drawings & Approvals	1	ls	\$ 2,500	\$ 2,500	
Total Plumbing \$					416,596
23 00 00 HVAC					
Heating Plant Equipment					
Gas fired condensing boiler, wall mounted 400 MBH	3	ea	\$ 18,000	\$ 54,000	
Expansion tank	1	ea	\$ 2,600	\$ 2,600	
Air separator	1	ea	\$ 2,200	\$ 2,200	
Glycol feeder	1	ea	\$ 3,600	\$ 3,600	
Pot feeder	1	ea	\$ 2,600	\$ 2,600	
HGP-01 & 2: HW secondary pump, 80 gpm with VFD	2	ea	\$ 8,500	\$ 17,000	
BP-1 thru 3: HW primary boiler pump, 30 gpm	3	ea	\$ 2,500	\$ 7,500	
Heating & Cooling Equipment					
Cabinet unit heater, hot water	5	ea	\$ 1,400	\$ 7,000	
Unit heater, hot water	2	ea	\$ 1,100	\$ 2,200	
Fin tube radiator, hot water	460	lf	\$ 105	\$ 48,300	
Ductless split system, 1 ton	1	ea	\$ 7,500	\$ 7,500	
Ductless split system, 2 ton	1	ea	\$ 9,500	\$ 9,500	
HUM-01: Steam Humidifier, 5lbs	1	ea	\$ 3,500	\$ 3,500	
Air Distribution					
RTU-01: 14,900 CFM, HW coil & DX coil	14,900	cfm	\$ 17.25	\$ 257,025	
RTU-02: 14,400 CFM, HW coil & DX coil	14,900	cfm	\$ 17.25	\$ 257,025	
MAU-01: 700CFM, Gas burner	700	cfm		See Alternate P7	
Exhaust fan, inline for elev mach. rm - carried forward from previous Est	1	ea	\$ 2,000	\$ 2,000	
EF-01: Downblast exhaust fan, bathrooms, 210cfm	1	ea	\$ 1,200	\$ 1,200	
EF-02: Downblast exhaust fan, bathrooms, 400cfm	1	ea	\$ 1,500	\$ 1,500	
EF-03: Downblast exhaust fan, kitchen hood, 700cfm	1	ea		See Add / Alt	
Miscellaneous air distribution equipment	30,169	sf	\$ 0.50	\$ 15,085	
Sheet Metal & Accessories:					
Galvanized duct	32,230	lbs	\$ 16.75	\$ 539,853	
Sheet metal insulation	21,250	sf	\$ 6.00	\$ 127,500	
Black iron	250	lbs	\$ 25	\$ 6,250	
Flamewrap	200	sf	\$ 15	\$ 3,000	
VAV	17	ea	\$ 1,200	\$ 20,400	
Continuous linear diffuser	123	lf	\$ 80	\$ 9,840	
Linear diffuser	12	ea	\$ 320	\$ 3,840	
Register & diffusers	104	ea	\$ 220	\$ 22,880	
Fire dampeners	6	ea	\$ 2,800	\$ 16,800	
Captiveaire hood, incl fire suppression, 4ft by 4ft	1	ea		See Alternate P7	
Breaching	1	ls	\$ 6,500	\$ 6,500	
Miscellaneous sheet metal accessories	1	ls	\$ 10,000	\$ 10,000	
HVAC pipe:					

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
Hot water piping:					
HW pipe with fittings & hangers, <3"	150	lf	\$ 60	\$ 9,000	
HW pipe with fittings & hangers, <2"	400	lf	\$ 50	\$ 20,000	
HW pipe with fittings & hangers, <1"	2,000	lf	\$ 45	\$ 90,000	
HW valves & accessories	1	ls	\$ 20,230	\$ 20,230	
Pipe insulation	2,550	lf	\$ 11	\$ 28,050	
Refrigerant piping					
Refrigerant pipe with fittings & hangers	400	lf	\$ 45	\$ 18,000	
Pipe insulation	400	lf	\$ 10	\$ 4,000	
Condensate Drain Piping:					
Copper pipe type L with fittings & hangers	150	lf		w/ Plumbing Above	
Condensate Pipe insulation	150	lf		w/ Plumbing Above	
Temperature controls:					
DDC - Central BMS and dedicated VRF controls	30,169	sf	\$ 6	\$ 181,014	
Test and Balance:					
Testing & balance	30,169	sf	\$ 1	\$ 37,711	
Common Work Results for HVAC					
Coring, sleeves & firestopping	1	ls	\$ 12,500	\$ 12,500	
Commissioning support	1	ls	\$ 10,000	\$ 10,000	
Equipment start-up & inspection	1	ls	\$ 5,000	\$ 5,000	
Rigging / Equipment rental	1	ls	\$ 15,000	\$ 15,000	
Detailing / Coordination / General Conditions	1	ls	\$ 50,000	\$ 50,000	
Total HVAC					\$ 1,968,702
26 00 00 Electrical					
Gear and Distribution					
Normal Power:					
1600A 208/120V main distrib. panel w/ CT cabinet and service switch	1	ea	\$ 61,000	\$ 61,000	
600A 208/120V distribution panelboard		ea	\$ 11,500	\$ -	
400A 208/120V EV panelboard	1	ea	\$ 13,800	\$ 13,800	
225A 120/208V panelboard	7	ea	\$ 3,100	\$ 21,700	
100A 120/208V panelboard	2	ea	\$ 2,300	\$ 4,600	
400A feed UG	200	lf	\$ 165	\$ 33,000	
400A feed	200	lf	\$ 184	\$ 36,800	
225A feed	950	lf	\$ 98	\$ 93,100	
100A feed	160	lf	\$ 42	\$ 6,720	
Emergency Power:					
Generator		NIC	NIC	NIC	
Equipment Wiring:					
Branch controller feed and connection	2	ea	\$ 980	\$ 1,960	
Boiler feed and connection	3	ea	\$ 1,725	\$ 5,175	
HGP-01 & 2: HW secondary pump, 80 gpm with VFD feed and connection	2	ea	\$ 1,600	\$ 3,200	
BP-1 thru 3: HW primary boiler pump, 30 gpm feed and connection	3	ea	\$ 1,600	\$ 4,800	
CU feed and connection	2	ea	\$ 4,025	\$ 8,050	
CUH feed and connection	5	ea	\$ 1,150	\$ 5,750	
Unit heater, hot water	2	ea	\$ 750	\$ 1,500	
RTU feed, connection & 60A FSS 3R	2	ea	\$ 5,175	\$ 10,350	
DOAS feed and connection		ea	\$ 4,025	\$ -	
MAU feed and connection	1	ea		See Alternate P7	
Exhaust fan feed, connection & 30A FSS 3R	3	ea	\$ 1,725	\$ 5,175	
Elevator cab power feed, connection & disconnect	1	ea	\$ 1,725	\$ 1,725	
Elevator FSS, enclosed CB, feed and connection	1	ea	\$ 4,025	\$ 4,025	
FCU feed and connection	28	ea	\$ 860	\$ 24,080	
SP feed and connection	1	ea	\$ 1,150	\$ 1,150	
UH feed and connection	2	ea	\$ 1,150	\$ 2,300	
120V temperature control feed and connection	9	ea	\$ 575	\$ 5,175	
Hand dryer feed and connection	5	ea	\$ 1,380	\$ 6,900	
Heat trace feed and connection	2	ea	\$ 865	\$ 1,730	
Motorized shades feed and connection	4	ea	\$ 1,380	\$ 5,520	
HUM feed and connection	1	ea	\$ 1,265	\$ 1,265	
Equipment wiring not yet defined	30,169	sf	\$ 1	\$ 34,694	

Bloomfield Libraries

Bloomfield, CT

Design Development

Drawings Dated: 10/07/2022

Estimate Date 11/01/2022

PROSSER DETAIL

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
Photovoltaic System					
PV equipment & installation labor, per Conceptual budgeting		ls		w/ Photovoltaic Sys	
4" conduit to roof (3 runs)	300	lf	\$ 48	\$ 14,400	
Meter	1	ea	\$ 575	\$ 575	
Additional electrical for PV, allow	1	ls	\$ 5,750	\$ 5,750	
Lighting:					
Type A 2X4	28	ea	\$ 400	\$ 11,200	
Type AE 2X4	8	ea	\$ 425	\$ 3,400	
Type B 2X2	3	ea	\$ 345	\$ 1,035	
Type BE 2X2	2	ea	\$ 370	\$ 740	
Type C1 LINEAR SLOT	35	lf	\$ 115	\$ 4,025	
Type C1E LINEAR SLOT	12	lf	\$ 117	\$ 1,404	
Type C2 LINEAR SLOT	32	lf	\$ 115	\$ 3,680	
Type C2E LINEAR SLOT	24	lf	\$ 117	\$ 2,808	
Type C3 LINEAR SLOT	79	lf	\$ 115	\$ 9,085	
Type C3E LINEAR SLOT	40	lf	\$ 117	\$ 4,680	
Type C4 LINEAR SLOT	72	lf	\$ 115	\$ 8,280	
Type C4E LINEAR SLOT	36	lf	\$ 117	\$ 4,212	
Type D1 2.5" linear pendant	73	lf	\$ 98	\$ 7,154	
Type D1E 2.5" linear pendant	24	lf	\$ 100	\$ 2,400	
Type D2 2.5" linear pendant	120	lf	\$ 98	\$ 11,760	
Type D2E 2.5" linear pendant	40	lf	\$ 100	\$ 4,000	
Type E 6" recessed slot	23	lf	\$ 115	\$ 2,645	
Type EEM 6" recessed slot	6	lf	\$ 118	\$ 708	
Type F1 8' surface mount	4	ea	\$ 780	\$ 3,120	
Type F1E 8' surface mount	3	ea	\$ 805	\$ 2,415	
Type F2 12' surface mount	4	ea	\$ 1,175	\$ 4,700	
Type F2E 12' surface mount	2	ea	\$ 1,200	\$ 2,400	
Type G wet location vandal resistant	3	ea	\$ 635	\$ 1,905	
Type GE wet location vandal resistant	4	ea	\$ 655	\$ 2,620	
Type H exterior wall mount not scheduled	1	ea	\$ 920	\$ 920	
Type H1 recessed downlight	70	ea	\$ 345	\$ 24,150	
Type H1E recessed downlight	41	ea	\$ 370	\$ 15,170	
Type H2 recessed downlight	26	ea	\$ 345	\$ 8,970	
Type H3 recessed downlight	7	ea	\$ 345	\$ 2,415	
Type H3E recessed downlight	3	ea	\$ 370	\$ 1,110	
Type I-1 track	48	lf	\$ 86	\$ 4,128	
Type I-2 track head	20	ea	\$ 520	\$ 10,400	
Type J 4" linear slot	18	lf	\$ 115	\$ 2,070	
Type K 20" seamless opal acrylic globe	7	ea	\$ 1,725	\$ 12,075	
Type KE 20" seamless opal acrylic globe	7	ea	\$ 1,840	\$ 12,880	
Type L surface wall mount	7	ea	\$ 230	\$ 1,610	
Type LE surface wall mount	8	ea	\$ 250	\$ 2,000	
Type M1 2' strip	1	ea	\$ 195	\$ 195	
Type M2 4' strip	5	ea	\$ 220	\$ 1,100	
Type M3E 8' strip not scheduled	3	ea	\$ 290	\$ 870	
Type N wall pack	2	ea	\$ 920	\$ 1,840	
Type U utility light in elevator shaft	3	ea	\$ 195	\$ 585	
Exit sign	37	ea	\$ 310	\$ 11,470	
Exit sign wp	1	ea	\$ 370	\$ 370	
Lighting Control:					
Daylight harvesting lighting control system	30,169	sf	\$ 2	\$ 45,254	
Branch Devices:					
Duplex receptacle	184	ea	\$ 31	\$ 5,704	
Double duplex receptacle	37	ea	\$ 60	\$ 2,220	
Double duplex receptacle in FB/PT, allow	49	ea	\$ 60	\$ 2,940	
GFI receptacle	22	ea	\$ 50	\$ 1,100	
GFI receptacle WP	13	ea	\$ 60	\$ 780	
Special purpose receptacle	6	ea	\$ 87	\$ 522	
Fire place feed and connection	1	ea	\$ 520	\$ 520	
Hood exhaust connection	1	ea		See Alternate	

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
	Range receptacle and feed	1	ea	\$ 920	\$ 920	
	FB1	1	ea	\$ 460	\$ 460	
	FB2	29	ea	\$ 575	\$ 16,675	
	FB3	17	ea	\$ 860	\$ 14,620	
	FB4	3	ea	\$ 980	\$ 2,940	
	PT1		ea	\$ 745	\$ -	
	Lighting & Branch Circuitry:	30,169	sf	\$ 6	\$ 173,472	
	Grounding Protection				\$ -	
	Building grounding	30,169	sf	\$ 1	\$ 15,085	
	Lightning protection system	30,169	sf	\$ 1	\$ 21,118	
	Common Work Results for Electrical				\$ -	
	Common Work Results for Electrical	30,169	sf	\$ 5	\$ 138,777	
	Testing & inspection				Included above	
	Seismic / structural components				Included above	
	Rigging / material handling				Included above	
	Shop drawings & Project Management				Included above	
	Engineering & Approvals				Included above	
	Commissioning support				Included above	
	Temp system allowance				Included above	
	Coordination / General Conditions				Included above	
	Coring, sleeves & firestopping (Qty TBD Hazmat)				Included above	
	Identification				Included above	
					Total Electrical	\$ 1,083,780
26 31 00	Photovoltaic System					
	Photovoltaic System	1	ls		See Alternates	
					Total Photovoltaic System	See Alternates
27 10 00	Communications System					
	Telecommunications					
	Fit out (devices & cabling)					
	Closet fit out	1	ls	\$ 4,025	\$ 4,025	
	2-port device	40	ea	\$ 25	\$ 1,000	
	2-port device, FB/PT allow	60	ea	\$ 25	\$ 1,500	
	Cat 6A cable	38,000	lf	\$ 1.80	\$ 68,400	
	Rough-in:				\$ -	
	Closet rough-in, allow	1	ls	\$ 2,645	\$ 2,645	
	Device box with conduit stub to ceiling	40	ea	\$ 150	\$ 6,000	
	Rough-in not yet detailed	30,169	sf	\$ 1	\$ 39,220	
	Emergency Call for Aid				\$ -	
	Pull cord, dome light and wiring	4	loc	\$ 1,725	\$ 6,900	
	Device box with conduit stub	8	ea	\$ 135	\$ 1,080	
	Audio / Video Sound Systems				\$ -	
	Equipment with installation labor, system turn-on & training	FF&E			By Owner (FF&E)	
	Rough-in, allow	30,169	sf	\$ 1	\$ 15,085	
	Weather Station	1	ea	\$ 2,500	\$ 2,500	
	Public Address System - Assumes 30 Speakers tied into SIP Phone Distribution	1	ls	\$ 8,000	\$ 8,000	
					Total Communications	\$ 156,354

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
28 10 00 Fire Alarm					
Fire alarm system					
Fire alarm control panel w/Voice Evac	1	ea	\$ 9,200	\$ 9,200	
Fire alarm remote annunciator	1	ea	\$ 3,075	\$ 3,075	
Initiating device	82	ea	\$ 250	\$ 20,500	
Signaling device	58	ea	\$ 250	\$ 14,500	
Device box	140	ea	\$ 49	\$ 6,860	
3/4" EMT	3,500	lf	\$ 12	\$ 42,000	
#14 THHN	10,500	lf	\$ 1	\$ 13,125	
FAMC	3,500	lf	\$ 7	\$ 24,500	
Cabling	7,000	lf	\$ 1	\$ 8,050	
Testing and programming	1	ls	\$ 6,095	\$ 6,095	
BDA/DAS system	1	ls	\$ 40,250	\$ 40,250	
				Total Fire Alarm	\$ 188,155
28 20 00 Security System					
Security System	30,169	sf	\$ 3	\$ 90,507	
Access control				Included above	
CCTV				Included above	
Intrusion detection				Included above	
Rough-in:	30,169	sf	\$ 2	\$ 60,338	
Access control				Included above	
CCTV				Included above	
Intrusion detection				Included above	
People Counter	1	ls	\$ 5,000	\$ 5,000	
				Total Security	\$ 155,845
26 56 00 Site Electrical					
<i>Civil Scope for Electrical</i>					
Concrete					
Primary service duct bank	100	lf	\$ 35	\$ 3,500	
Secondary service duct bank	60	lf	\$ 35	\$ 2,100	
Communications duct bank	150	lf	\$ 35	\$ 5,250	
Transformer pad	1	ea	\$ 2,875	\$ 2,875	
EV base	4	ea	\$ 400	\$ 1,600	
Site pole bases, allow	1	ls	\$ 5,750	\$ 5,750	
Excavation & backfill					
Primary service duct bank	100	lf	\$ 28	\$ 2,800	
Secondary service duct bank	60	lf	\$ 28	\$ 1,680	
Communications duct bank	150	lf	\$ 28	\$ 4,200	
Lighting & EV circuitry, allow	1,000	lf	\$ 7	\$ 6,900	
Site Power distribution:					
Connections at manhole	1	ls	\$ 5,175	\$ 5,175	
Primary service duct bank allow 2-4" PVC, empty - allow	100	lf	\$ 58	\$ 5,800	
Pad mounted utility transformer	1	ea		Utility Co	
Transformer pad grounding	1	ea	\$ 575	\$ 575	
Secondary service duct bank with 1600A feeder	60	lf	\$ 715	\$ 42,900	
Site Lighting					
Site lighting fixture Type S-A wall mount	4	ea	\$ 920	\$ 3,680	
Site lighting fixture Type S-B 42" bollard	3	ea	\$ 1,725	\$ 5,175	
Site lighting fixture Type S-C LED hand rail	81	lf	\$ 150	\$ 12,150	
Site lighting fixture Type S-CB LED tape light	159	lf	\$ 105	\$ 16,695	
Site lighting fixture Type S-D round post top	5	ea	\$ 2,300	\$ 11,500	
Site lighting fixture Type S-E rectangular pole mount	2	ea	\$ 2,875	\$ 5,750	
Site lighting fixture Type S-F twin mount rectangular pole mount	2	ea	\$ 3,450	\$ 6,900	
Site lighting fixture Type S-H4 recessed downlight	4	ea	\$ 345	\$ 1,380	
Site lighting fixture Type S-H4E recessed downlight	4	ea	\$ 345	\$ 1,380	
Site lighting circuitry	1,800	lf	\$ 25	\$ 45,000	
Site Communications:					
Connections at manhole	1	ls	\$ 2,875	\$ 2,875	
Communications duct bank 3-4" PVC, empty - allow	100	lf	\$ 87	\$ 8,700	

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
EV Charging Station:					
EV Charging Station and circuitry, LL garage	2	loc	\$ 13,800	\$ 27,600	
EV Charging Station and circuitry, parking lot	2	loc	\$ 13,800	\$ 27,600	
				Total Site Electrical	\$ 267,490
31 00 00 Sitework, Landscaping & Utilities					
Mobilization / Site Layout					
Mobilization / Demobilization	1	ls	\$ 15,000.00	\$ 15,000	
Site Safety	1	ls	\$ 12,000.00	\$ 12,000	
Jersey Barriers	1	ls	\$ 1,600.00	\$ 1,600	
General Dewatering			w/ Site Stabilization, below		
Traffic Control - Traffic Pattern, Police Detail	1	ls	\$ 10,000.00	\$ 10,000	
Erosion Control					
Site Sweeping, Dust & Traffic Control	1	ls	\$ 5,000.00	\$ 5,000	
Anti-track pads & maintenance	2	ea	\$ 7,000.00	\$ 14,000	
Concrete washout area	2	ea	\$ 2,500.00	\$ 5,000	
Material stockpile area	2	ea	\$ 5,000.00	\$ 10,000	
Silt fence	1,494	lf	\$ 7.41	\$ 11,067	
Hay bales	886	lf	\$ 8.00	\$ 7,088	
Inlet protection (Silt Sacks)	22	ea	\$ 231.48	\$ 5,093	
Maintain & Remove Erosion Control	18	mo	\$ 1,400.00	\$ 25,200	
Site Clearing					
Temp 6' H Chain Link Fence Enclosure (put up, maintain & remove)	1,934	lf	\$ 30.00	\$ 58,020	
Temporary Gates - pair	3	ea	\$ 2,600.00	\$ 7,800	
Site Demolition					
Tree protection	4	ea	\$ 5,000.00	\$ 20,000	
Tree Removals					
Tree removal: dogwood, magnolia, etc	4	ea	\$ 5,000.00	\$ 20,000	
Tree removal: 18" - 24" oaks	2	ea	\$ 10,000.00	\$ 20,000	
Tree removal: 48" oak in location of new solar panels	-	ea	\$ 10,000.00	\$ -	
3.5' High concrete wall removal (assume 3' below & 6' wide footing)	40	lf	\$ 87.96	\$ 3,519	
6.0' High concrete wall removal (assume 3' below & 6' side footing)	130	lf	\$ 87.96	\$ 11,435	
Remove concrete planter curbs	190	lf	\$ 20.37	\$ 3,870	
Remove concrete walks, pads	2,159	sf	\$ 5.56	\$ 11,994	
Remove concrete walks, pads at Drop Off	349	sf	\$ 5.56	\$ 1,940	
Remove concrete stairs & ramp	929	sf	\$ 1.39	\$ 1,291	
Sawcut asphalt for pavement removal at street	520	lf	\$ 20.00	\$ 10,400	
Sawcut at asphalt for pavement removal at drop off	95	lf	\$ 20.00	\$ 1,900	
Remove bituminous asphalt parking lot and base	35,706	sf	\$ 1.00	\$ 35,706	
Remove bituminous asphalt parking lot and base at Drop Off	1,459	sf	\$ 1.00	\$ 1,459	
Remove bituminous asphalt walkways and base	2,050	sf	\$ 0.90	\$ 1,845	
Paver & landscape curb removal			\$ 5.00	\$ -	
Curb removal	980	lf	\$ 11.11	\$ 10,889	
Curb removal drop off	123	lf	\$ 11.11	\$ 1,367	
Landscape area removal	2,318	sf	\$ 0.93	\$ 2,146	
Metal fence removal	53	lf	\$ 11.11	\$ 589	
Metal railing removal	35	lf	\$ 7.41	\$ 259	
Remove 8,000 gallon underground fuel tanks (Excludes remediation)	1	ea		w/ Summary Allw	
Remove underground diesel tank (discussed in meeting, not on dwgs, Size TBD)	1	ea		w/ Summary Allw	
Remove Misc. Site Furnishings (plaques, benches tables, etc.)	1	allw	\$ 1,000.00	\$ 1,000	
Remove street signs & poles, parking lot areas	5	ea	\$ 250.00	\$ 1,250	
Remove light poles & bases	8	ea	\$ 2,500.00	\$ 20,000	
Remove shack at Riley	1	ls	\$ 2,500.00	\$ 2,500	
Remove boulders (size not shown)	2	ea	\$ 2,500.00	\$ 5,000	
Site Utility Demolition					
Protect existing "span pole" at Tunxis Ave "by traffic control?)"	-	ea	\$ 800.00	\$ -	
Protect existing fire hydrant	2	ea	\$ 1,000.00	\$ 2,000	
Protect existing transformer	1	ea	\$ 1,000.00	\$ 1,000	
Protect existing utility pipe/structure during demo and new construction	7	ea	\$ 1,200.00	\$ 8,400	
Protect existing utility pole (CL&P) during demo and new construction	3	ea	\$ 800.00	\$ 2,400	
Protect exist traffic control box	1	ea	\$ 1,500.00	\$ 1,500	
Disconnect gas line; cap to reconnect at new building	1	ea	\$ 1,200.00	\$ 1,200	
Disconnect water line; cap to reconnect at new building	1	ea	\$ 1,200.00	\$ 1,200	

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
Disconnect sanitary line, remove to MH	1	ea	\$ 1,200.00	\$ 1,200	
cut & cap to abandon gas line to wood building	1	ea	\$ 1,200.00	\$ 1,200	
cut & cap to abandon water line to wood building	1	ea	\$ 1,200.00	\$ 1,200	
excavate at sanitary MH to disconnect 6" pvc sanitary	1	ea	\$ 1,000.00	\$ 1,000	
Remove catch basin;	3	ea	\$ 1,200.00	\$ 3,600	
Remove ex site light including conduit	8	ea	\$ 1,200.00	\$ 9,600	
Sawcut at removal & new utilities				w/ Above	
Remove pavement at street utility work	1,131	sf	\$ 50.00	\$ 56,550	
Remove Utility Line, 6" water	67	lf	\$ 50.00	\$ 3,350	
Remove Utility Line, gas	173	lf	\$ 50.00	\$ 8,650	
Remove Utility Line, sanitary	222	lf	\$ 50.00	\$ 11,100	
Remove Utility Line, storm	206	lf	\$ 50.00	\$ 10,300	
Site Stabilization	1	ls	\$ 20,000.00	\$ 20,000	
Sheet Piling					
Sheet piles, east of brook for building foundations; install & remove	2,700	sf	\$ 20.00	\$ 54,000	
Dewatering System					
Well points	6	ea	\$ 3,000.00	\$ 18,000	
Set pumps	1	ls	\$ 5,000.00	\$ 5,000	
Frac tank, west	4	weeks	\$ 9,500.00	\$ 38,000	
Frac tank, east	10	weeks	\$ 9,500.00	\$ 95,000	
Maintain pumps	10	weeks	\$ 3,200.00	\$ 32,000	
Remove dewatering equipment	1	ls	\$ 4,000.00	\$ 4,000	
Soil Augmentation - Helical Piles			\$ -	\$ -	
Helical piles at building footprint		sf		See 31 10 00	
Overexcavate 18" for piles, with earthwork				w/ Earth Moving	
Earth Moving (Mass Earthwork)					
Strip topsoil, stockpile (includes erosion control & maintenance)	1,000	cy	\$ 9.00	\$ 9,000	
Rough Grade Subgrade	96,700	sf	\$ 0.25	\$ 24,175	
Mass excavation for building and bridge support	3,023	cy	\$ 20.00	\$ 60,460	
Backfill foundations	1,004	cy	\$ 31.00	\$ 31,124	
Import Fill, structural building area	5,176	cy	\$ 38.00	\$ 196,688	
Import Geofill Foam at building area	660	cy	\$ 105.00	\$ 69,300	
Import Fill, parking lot fills	-	cy	\$ 38.00	\$ -	
Haul Excess, assumes no pollutants or contaminants	4,200	cy	\$ 18.00	\$ 75,600	
Foundation Excavation and Backfill					
Crushed stone under footings and slabs	326	cy	\$ 62.00	\$ 20,236	
Trench Rock, assume no rock		NIC		None - Excluded	
Underslab trenching	1	allow	\$ 5,000.00	\$ 5,000	
Excavate and Backfill for Frost Walls, with mass excavation				w/ Mass Excavation	
Exterior Improvements					
Asphalt Paving					
Gravel Subbase 10"	103	cy	\$ 50.00	\$ 5,142	
Gravel Subbase 10" bus drop off	41	cy	\$ 50.00	\$ 2,050	
Processed stone 6"	72	cy	\$ 50.00	\$ 3,583	
Processed stone 6" bus drop off	15	cy	\$ 50.00	\$ 750	
Standard Duty Bituminous (binder & finish) - Main Building	1,461	sy	\$ 25.00	\$ 36,525	
Standard Duty Bituminous (binder & finish) - Riley	3,218	sy	\$ 25.00	\$ 80,456	
Standard Duty Bituminous (binder & finish) - Bus Drop Off	105	sy	\$ 25.00	\$ 2,625	
Touch-Up & Proof Roll Subbase	1,569	sy	\$ 3.00	\$ 4,707	
Touch-Up & Proof Roll Subbase	3,218	sy	\$ 3.00	\$ 9,655	
Touch-Up & Proof Roll Subbase at bus drop off	105	sy	\$ 3.00	\$ 315	
Precast Concrete Curb	2,039	lf	\$ 30.00	\$ 61,170	
Precast Concrete Curb bus drop off	39	lf	\$ 30.00	\$ 1,170	
Wheel Stops (not shown)	100	ea	\$ 231.48	\$ 23,148	
Line Striping	1	ls	\$ 25,000.00	\$ 25,000	
Concrete Walks & Pavers					
Concrete Pavers					
Pavers at Main Entr. (set in sand bed over 5" conc base w/ polymeric)	-	sf		None - Excluded	
Pavers at Tunxis ave median	-	sf		None - Excluded	
Maintenance strip - 3/4" crushed stone	18	cy	\$ 45.00	\$ 803	
Maintenance strip edging	173	lf	\$ 10.00	\$ 1,730	
Flush concrete curbing (precast) at perimeter of maintenance strip	-	lf		None - Excluded	

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
Concrete Sidewalks					
Aggregate Base	171	cy	\$ 50.00	\$ 8,567	
5" thick reinf. conc walks w/ integral mono curbs (at build, w prkng lot)	3,840	sf	\$ 18.00	\$ 69,120	
5" thick reinforced concrete walks w/ integral mono curbs (along street)	413	sf	\$ 18.00	\$ 7,434	
5" thick concrete walkway at main entrance	3,065	sf	\$ 18.00	\$ 55,170	
Dumpster Pads	4	cyds	\$ 360.00	\$ 1,467	
Planter at plaza		ls		None - Excluded	
Concrete Ramp at Main Entrance	346	sf	\$ 25.00	w/ Conc	
Stairs - Exterior Entrance	17	cy	\$ 1,000.00	\$ 17,000	
Stairs - Exterior South	5	cy	\$ 1,000.00	\$ 5,000	
Retaining Walls					
Concrete on Mt Ave wall 7'H - 5'H	61	cy	\$ 750.00	w/ Conc	
Stone Veneer at ramp	230	sf	\$ 40.00	w/ Masonry	
Stone Veneer at Mt Ave wall	718	sf	\$ 40.00	w/ Masonry	
Cap at Mt Ave wall (3')	73	lf	\$ 65.00	w/ Masonry	
Site Improvements					
Site Signage					
Signs - In Bollards (HC Parking)	6	ea	\$ 1,800.00	\$ 10,800	
Signs - Stop, No Parking, One way, Do not enter	1	ls	\$ 5,000.00	\$ 5,000	
Ground Building Sign Base	1	ls	\$ 7,000.00	\$ 7,000	
Railings, with misc metals				w/ Misc Metals	
Fences & gates					
Dumpster enclosure 6'H, solid board fence	40	lf	\$ 200.00	\$ 8,000	
Gates	1	pair	\$ 4,500.00	\$ 4,500	
Timber Rail at Detention at Riley	22	lf	\$ 250.00	\$ 5,500	
Flag Pole & Base, not shown		NIC		None - Excluded	
Landscaping					
Trees					
Oak replacement, 6-7" cal	-	ea	\$ 10,000.00	\$ -	
Deciduous shade tree, 4-4 1/2" cal	55	ea	\$ 1,200.00	\$ 66,000	
Ornamental flowering tree, 4-4 1/2" cal		ea	\$ 1,200.00	\$ -	
Multi-stem river birch, 10-12' ht		ea	\$ 1,700.00	\$ -	
Shrubs				\$ -	
Deciduous shrubs, 36-42" ht	178	ea	\$ 365.00	\$ 64,970	
Evergreen shrubs, 36-42" ht	310	ea	\$ 134.00	\$ 41,540	
Ground Cover / Lawns	486	ea	\$ 62.00	\$ 30,132	
Perennials/ groundcover	936	ea	\$ 43.00	\$ 40,248	
New basin seed mix	11,822	sf	\$ 0.30	\$ 3,547	
New grass area	30,020	sf	\$ 0.15	\$ 4,503	
Plant bed mix 18" deep, screened topsoil & compost	314	cy	\$ 45.00	\$ 14,130	
Screened and amended topsoil 6" depth at lawn & basin areas	775	cy	\$ 45.00	\$ 34,868	
Mulch, double shredded hardwood bark, natural color, un-dyed	100	cy	\$ 40.00	\$ 4,000	
Landscape edgings, alum, mill finish where plant beds abut lawn areas	1	ls	\$ 2,000.00	\$ 2,000	
Irrigation, none shown		NIC		None - Excluded	
Site Specialties Allowance (Benches, Trash Cans, Bike Racks)	1	ls	\$ 20,000.00	\$ 20,000	
Utilities (pricing includes trenching/backfill)				\$ -	\$ -
Water				\$ -	\$ -
Connection: water main to city main	2	ea	\$ 3,300.00	\$ 6,600	
water main, domestic water	252	lf	\$ 170.00	\$ 42,840	
water main, fire water	218	lf	\$ 170.00	\$ 37,060	
water meter pit, Metropolitan Water District	1	ea	\$ 5,000.00	\$ 5,000	
water valve at curb	2	ea	\$ 1,800.00	\$ 3,600	
concrete thrust block	4	ea	\$ 750.00	\$ 3,000	
relocate hydrant	1	ls	\$ 10,000.00	\$ 10,000	
Sanitary				\$ -	\$ -
connect sanitary to existing SMH	1	ea	\$ 1,133.00	\$ 1,133	
sanitary line	68	lf	\$ 95.00	\$ 6,460	
sanitary MH	1	ea	\$ 12,000.00	\$ 12,000	

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
Storm			\$ -	\$ -	
06" perforated underdrain	1,285	lf	\$ 42.00	\$ 53,970	
8" HDPE	99	lf	\$ 63.00	\$ 6,237	
12" HDPE	664	lf	\$ 71.00	\$ 47,144	
15" HDPE	522	lf	\$ 75.00	\$ 39,150	
Area drain w 8x8" square grate	3	ea	\$ 4,200.00	\$ 12,600	
Catch basin, new	9	ea	\$ 12,000.00	\$ 108,000	
Catch basin, new but tie to existing RCP	1	ea	\$ 12,000.00	\$ 12,000	
Catch basin, new to replace existing, tie to new pipe	2	ea	\$ 12,000.00	\$ 24,000	
Catch basin, replace top and adjust to new grade	2	ea	\$ 2,800.00	\$ 5,600	
Catch basin, with hood	1	ea	\$ 14,000.00	\$ 14,000	
FES (at riprap)	1	ea	\$ 7,500.00	\$ 7,500	
gravel filter strip 6' wide	98	lf	\$ 15.00	\$ 1,470	
RipRap splash pad	2	ea	\$ 500.00	\$ 1,000	
Raps spillway	1,082	sf	\$ 1.50	\$ 1,623	
storm connection at building	1	ea	\$ 2,361.00	\$ 2,361	
Storm Manhole, new	5	ea	\$ 12,000.00	\$ 60,000	
trench drain at parking garage entry	48	lf	\$ 180.00	\$ 8,640	
Water quality unit	1	ea	\$ 14,000.00	\$ 14,000	
Yard drain, new	3	ea	\$ 5,500.00	\$ 16,500	
Clean existing drains	78	lf	\$ 25.00	\$ 1,950	
Gas					
connect gas main to gas utility main in Tunxis Ave	1	ea	\$ 3,300.00	\$ 3,300	
gas line	208	lf	\$ 204.00	\$ 42,432	
gas line gate valve	1	ea	\$ 1,800.00	\$ 1,800	
Site Electric					
Conduit for (2) Double charging stations, allowance	250	lf	\$ 25.00	\$ 6,250	
Site lighting allowance - conduit	1	ls	\$ 25,000.00	\$ 25,000	
Light Pole Bases	8	ea	\$ 2,500.00	\$ 20,000	
			Total Sitework, Landscaping & Utilities	\$ 2,713,805	
31 10 00	Ground Improvements				
Ground Improvements at Building Footprint	15,615	sf	\$ 20.00	\$ 312,300	
Working pad for Ground improvements - proof-roll, stone, fine grading	15,615	sf	\$ 2.00	\$ 31,230	
Overexcavate 18" for piles, with earthwork	500	cy	\$ 12.00	\$ 6,000	
				\$ 349,530	
32 34 00	Walking Bridge				
Prefabricated walking bridge	140	lf	\$ 2,142.86	\$ 300,000	
Freight	1	ls	\$ 18,000.00	\$ 18,000	
Prefab Bridge Installation	1	ls	\$ 80,000.00	\$ 80,000	
Prefab Bridge E&B, Conc Footings and Abutment	1	ls	\$ 140,000.00	\$ 140,000	
				\$ 538,000	

Bloomfield Libraries
Bloomfield, CT
Design Development
Drawings Dated: 10/07/2022
Estimate Date 11/01/2022

McMAHON DETAIL

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
01 50 00 Project Requirements		ls			
Field Office					
Field Office Trailer				w/ GR's	
Communication & Technology					
Data Processing Fee	0.0022		\$ 7,400,000	\$ 16,280	
Drone				None - Excluded	
BIM				None - Excluded	
Mangement Software (Docusign, Bluebeam & Procore - 0.18%)				w/ Trades	
Office Supplies, Reproduction & Repographics					
Supplies - Office & Clerical	10		\$ 200	\$ 2,000	
Water & Coffee	10	mos	\$ 175	\$ 1,750	
Drawing Reproduction				w/ GRs	
Shop Drawing Reproduction	1	ls	\$ 5,000	\$ 5,000	
Postage & Courier				w/ GRs	
Printing/Advertising	1	ls	\$ 10,000	\$ 10,000	
Safety & First-Aid					
Safety & First-Aid (Hard Hat Stickers & Safety Kits)				w/ GRs	
Safety Gear	1	ls	\$ 3,000	\$ 3,000	
Temporary Fire Extinguishers	1	ls	\$ 2,500	\$ 2,500	
Safety Inspections (Conn OSHA)	10	mos	\$ 750	\$ 7,500	
COVID19 Safety & Management	10	mos	\$ 500	\$ 5,000	
Background Checks & Drug Testing				By Trades	
Travel & Vehicle					
Travel Expenses (Vehicles - FIELD)				None - Excluded	
Travel Expenses (Gas, Tolls, Parking - OFFICE)				None - Excluded	
Job Site Vehical				w/ GRs	
Temporary Facilities & Controls					
Temporary Toilets (7) and Portable Sinks (2) for Workers	10	mos	\$ 1,400	\$ 14,000	
Dumpsters	30	pulls	\$ 850	\$ 25,500	
Small Tools & Equipment	10	mos	\$ 250	\$ 2,500	
Staging Areas, misc. site logistics	1	mo	\$ 10,000	\$ 10,000	
Temporary Construction Fencing				w/ Sitework	
Construction Gates				w/ Sitework	
Temp Fence - Maintenance/Misc. Addl.	1	ls	\$ 5,000	\$ 5,000	
Scrim				None - Excluded	
Guardrails				None - Excluded	
Ladders				None - Excluded	
Temporary Roads				None - Excluded	
Site Grounds Maintenance	1	ls	\$ 10,800	\$ 10,800	
Temporary Utilities					
Temporary Electric Service			\$ -	w/ Electric	
Temporary Electric Lights & Wiring			\$ -	w/ Electric	
Utility Fuel Allowance				See Summary Allowances	
Temporary Environmental Controls - Heat	1	ls	\$ 20,000	\$ 20,000	
Temporary Environmental Controls - Cooling	1	ls	\$ 14,000	\$ 14,000	
Equipment					
Crane Services				w/ Tades	
Winter Conditions					
Winter Conditions (Exterior)	1	ls	\$ 15,000	\$ 15,000	
Snow Removal	1	ls	\$ 3,000	\$ 3,000	
Stage & Enclose New Construction For Temp Heat	1	ls	\$ 20,000	\$ 20,000	
Signage					
Misc. Signage (Wayfinding)	1	ls	\$ 2,500	\$ 2,500	
Job Sign	1	ls	\$ 3,000	\$ 3,000	
Project Signs	1	ls	\$ 5,000	\$ 5,000	
Consultants					
Scheduling Consultants				None - Excluded	
Certified Payroll	10	mos	\$ 800	\$ 8,000	
Testing Laboratory				By Owner	
Architect's Fee				By Owner	
Insurance					
Builder's Risk Insurance			\$ -	By Owner	

Bloomfield Libraries
Bloomfield, CT
Design Development
Drawings Dated: 10/07/2022
Estimate Date 11/01/2022

McMAHON DETAIL

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
	Permits & Fees					
	Permit Fee				See Summary	
	State Education Fee				See Summary	
	Stormwater Permit	1	\$	3,500	\$ 3,500	
	Security					
	Watchmen/Security				None - Excluded	
	Security Person (Manage Contractor/Staff/Student Interaction)				None - Excluded	
	Security Badging				None - Excluded	
	Badging Coordinator				None - Excluded	
	Camera/Alarm for Field Office	10	mos	\$ 50	\$ 500	
	Project Records & Closeout					
	Progress Photos				w/ Staffing	
	Project Record Documents	1	ls	\$ 3,500	\$ 3,500	
	O&M Manual	1	ls	\$ 4,500	\$ 4,500	
	Training Video	1	ls	\$ 7,000	\$ 7,000	
	Demonstration & Training Support	1	ls	\$ 2,500	\$ 2,500	
	Web Based DVR				None - Excluded	
	Punch-List Contingency	1	ls	\$ 8,000	\$ 8,000	
	Punch-List Contingency - Deleted per Design Direction	(1)	ls	\$ 8,000	\$ (8,000)	
	Project Cleanliness					
	Daily Clean-up (1 Full Time)				No Full Time	
	Daily Clean-up (1 Part Time - 2 days/wk)	10	mos	\$ 5,196	\$ 51,960	
	Daily Clean-up (1 Part Time - 2 days/wk)	10	mos	\$ 5,196	\$ 51,960	
	Field Office Clean-up				None - Excluded	
	Interim Occupancy Cleaning (4mhrs / day)				None - Excluded	
	Final Cleaning	9,276	sf	\$ 0.65	\$ 6,029	
	Second Cleaning after FF&E				None - Excluded	
	Miscellaneous					
	CHRO Compliance Documentation	10	mos	\$ 300	\$ 3,000	
	High Performance Schools Checklist				None - Excluded	
	Commissioning Assistance By CM		ls			
	Construction Indoor Air Quality (IAQ) Program	1	ls	\$ 10,000	\$ 10,000	
	Ground Breaking	1	ls	\$ 2,500	\$ 2,500	
	Rodent Control	1	ls	\$ 4,500	\$ 4,500	
	Miscellaneous General Expenses	10	mos	\$ 150	\$ 1,500	
					Project Requirements	\$ 364,279
02 11 00	Contaminated Soil Excavation					
	Contaminated Soil Excavation - None Shown				None - Excluded	
					Total Contaminated Soil Excavation	\$ -
02 12 00	T/D of Contaminated Materials					
	Transp./ Disposal of Contaminated Materials - None Shown				None - Excluded	
					Total T/D of Contaminated Materials	\$ -
02 80 00	Hazardous Components Abatement					
	Interior					
	Joint Compound	9,000	sf	\$ 8	\$ 72,000	
	Black Sink Undercoating	1	ea	\$ 150	\$ 150	
	Carpet Adhesive (w/ residual Brown Floor Mastic)	5,000	sf	\$ 6	\$ 30,000	
	12"x12" Gray Mottle Floor Tile	100	lf	\$ 5	\$ 500	
	Black Mastic Associated with 12x12 Gray Mottle FI Tile	100	lf	\$ 6	\$ 600	
	Vent Mastic (Black)	4	lf	\$ 10	\$ 40	
					Total Hazardous Component Abatement	\$ 103,290
02 40 00	Forensic Demolition					
	Forensic Demolition				None - Excluded	
					Total Forensic Demolition	\$ -
02 40 10	Building Demolition					
	Mass Building Demolition				None - Excluded	
					Total Building Demolition	\$ -

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
02 41 19 Selective Demolition					
Site Demo, with sitework below			\$ -	\$ -	
Site Utility Demo, with sitework below			\$ -	\$ -	
Selective Demo					
(00) Existing McMahon Wintonbury Library, Demo Area	5,983	sf	\$ -	\$ -	
(01) remove wall as indicated, interior	125	lf	\$ 15	\$ 1,913	
(01) remove wall as indicated, exterior	54	lf	\$ 15	\$ 826	
(02) remove door and frame, exterior masonry opening	1	ea	\$ 400	\$ 408	
(02) remove door and frame, glass	4	ea	\$ 400	\$ 1,632	
(02) remove door and frame, interior	7	ea	\$ 400	\$ 2,856	
(03) remove window	3	ea	\$ 400	\$ 1,224	
(04) remove casework	10	lf	\$ 50	\$ 510	
(05) remove flooring down to concrete slab; remove base (perimeter)	5,983	sf	\$ 1	\$ 7,323	
(06) remove plumbing fixture	8	ea	\$ 150	\$ 1,224	
(11) remove curtain wall frame and glass	103	lf	\$ 20	\$ 2,101	
(12) remove ceiling	5,983	sf	\$ 1	\$ 7,323	
(15) create openings within existing masonry walls for windows	10	ea	\$ 650	\$ 6,630	
(xx) remove existing parapet? add cap? see 2/A3.11, allowance	108	lf	\$ 20	\$ 2,203	
(xx) remove exterior ladder	1	ea	\$ 200	\$ 204	
Plumbing Demolition - General	5,983	sf	\$ 0	\$ 1,831	
Plumbing fixtures & associated piping,	8	ea	\$ 65	\$ 530	
Mechanical Demolition - General, cut and drop ductwork	5,983	sf	\$ 1	\$ 3,051	
Mechanical Rooftop Equipment, including crane	1	ls	\$ 5,500	\$ 5,610	
Electrical Demolition - General,	5,983	sf	\$ 0	\$ 1,831	
Light Fixtures (MEP's cut, cap, make safe, drop to floor)	121	ea	\$ 20	\$ 2,468	
Misc Selective Demo					
Remove Rooftop HVAC unit, including crane	1	ea	\$ 5,000	\$ 5,100	
Dumpsters	5	wk	\$ 2,500	\$ 12,750	
Trash Chutes, not required	-	NIC		None - Excluded	
Temporary Protection				None - Excluded	
Temp Weather Protections at Façade Removals	2,000	sf	\$ 5	\$ 10,200	
Guard & Toe Boards at Façade Removals	100	lf	\$ 10	\$ 1,020	
Temp Construction Barriers	100	lf	\$ 25	\$ 2,550	
Temp Floor / Openings Protections	1	ls	\$ 2,000	\$ 2,040	
Remove Temp Protections	5	cd	\$ 1,360	\$ 6,936	
Protect Existing Roof, temp tarps as working, not full temp roof	6,662	sf	\$ 1.0	\$ 6,795	
Temp shoring during demolition	1	allow	\$ 10,000	\$ 10,200	
				Total Selective Demolition	\$ 109,290
03 30 00 Cast-In-Place Concrete					
Standard Foundations					
Footings, Piers, & Walls					
Footings - Formwork	457	sf	\$ 8	\$ 3,656	
Walls & Piers - Formwork	1,504	sf	\$ 8	\$ 12,032	
Footings & Piers (conc & rebar)					
Spread Footings	29	cy	\$ 740	\$ 21,460	
Strip Footing (Form, Rebar, Place, & Strip)	15	cy	\$ 555	\$ 8,325	
Walls - 2' - 4' (Form, Rebar, Place, & Strip)		cy			
Walls - 4' - 6' (Form, Rebar, Place, & Strip)	18	cy	\$ 955	\$ 17,190	
Reinforcement, #4s & #5s per foundation plan	2	tons	\$ 4,400	\$ 10,912	
Drill and epoxy dowels at footings/piers next to existing foundation	60	ea	\$ 75	\$ 4,500	
Piers		cy	\$ 475	\$ -	
Concrete Material		cy		w/ Above	
Under Pinning, not required				None - Excluded	
Slab on Grade					
Slab on Grade - Material & Labor (general)	3,091	sf	\$ 6	\$ 18,546	
Concrete Material - 6" thick	69	cy	\$ 175	\$ 12,021	
Concrete - Add Mixture	69	cy	\$ 51	\$ 3,503	
Reinforcement, WWF	3,091	sf	\$ 1	\$ 2,318	
Place & Finish	3,091	sf	\$ 1	\$ 3,091	
Vapor Barrier	3,091	sf	\$ 1	\$ 3,091	
Perimeter Joints	290	lf	\$ 1	\$ 363	
Saw Cut Control Joints	457	lf	\$ 2	\$ 960	

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
	Slab on Grade - slab depression at entry mats	286	sf	\$ 1	\$ 300	
	Misc Housekeeping Pads	1	allw	\$ 5,000	\$ 5,000	
	Base - 6" 3/8 Stone under SOG and footings		cy		w/ Sitework	
	Proof Rolled Existing Subgrade, with earthwork contractor		cyds		w/ Sitework	
	Rough Grading Sub grade, with earthwork contractor		cyds		w/ Sitework	
	Rigid Insulation, 2", under slab and at sides of frost walls (6' at perimeter)	1,096	sqft	\$ 2	\$ 2,192	
	Patch slab on grade at demo'd walls in existing building	564	sf	\$ 2	\$ 1,128	
	Temp. Heat for Construction of New Addition	1	ls	\$ 20,000	\$ 20,000	
					Total Cast in Place Concrete	\$ 150,587
04 20 00	Unit Masonry					
	Exterior					
	Existing Exterior Walls					
	Restore Existing Masonry - Brick (power wash)	2,800	sf	\$ 1.00	\$ 2,800	
	Repairs to existing brick parapet, not indicated				None - Excluded	
	Restore Existing Brick Veneer (repair/re-point) - Assumed 5%	140	sf	\$ 25.00	\$ 3,500	
	Misc Cutting and Patching for Penetrations by demo contractor	-			w/ Demo	
	Infill Existing Ext Walls - Brick to match (Including Backup)	23	sf	\$ 85.00	\$ 1,955	
	New Exterior Walls					
	Brick Veneer - 4", AVB, Rigid Insul (backup 8" studs & sheathing with Div9)	-	sf	\$ 39.00	\$ -	
	Cast Stone Trim and Accent at Addition	-	lf	\$ 100.00	\$ -	
	Cast Stone Sills at new windows	-	lf	\$ 50.00	\$ -	
	Adult Room Bench, Interior/Exterior					
	Brick Veneer on low wall, interior and exterior faces					
	CMU backup, reinforced, supports bench and curtainwall above	150	sf	\$ 40.00	\$ 6,000	
	Bluestone slab bench top and fireplace surround, 2" thick	192	sf	\$ 120.00	\$ 23,040	
	Temporary Shoring at Overhang - incl engineering	1	ls	\$ 10,000.00	\$ 10,000	
	Scaffolding & Staging	1	ls	\$ 15,000.00	\$ 15,000	
	Temp Heating	1	ls	\$ 10,000.00	\$ 10,000	
					Total Unit Masonry	\$ 72,295
05 12 00	Structural Steel					
	Structural Steel at Existing Building		tons			
	Steel Roof Deck / angle / connections at existing roof edge to new clerestory	1	allow	\$ 20,000.00	\$ 20,000	
	Structural Steel at Addition (AESS)	28	tons	\$ 6,000.00	\$ 168,000	
	Brace Framing BF-1 RB 1 1/4	1	ls	\$ 2,500.00	\$ 2,500	
	Brace Framing BF-2 RB 1 1/4	1	ls	\$ 2,500.00	\$ 2,500	
	Brace Framing BF-3 RB 1 1/4	1	ls	\$ 2,500.00	\$ 2,500	
	Connections - 20% Allowance	6	tons	\$ 6,000.00	\$ 33,600	
	Shop Prime Steel	34	tons	\$ 472.00	\$ 15,859	
	D 1.5 Steel Roof Deck	4,285	sf	\$ 6.90	\$ 29,567	
	Crane / Rigging	1	mo	\$ 15,000.00	\$ 15,000	
	Dunnage for New Mechanical Equipment, allowance	1	ls	\$ 5,000.00	\$ 5,000	
	Frames @ New Roof Penetrations	4	ea	\$ 2,500.00	\$ 10,000	
	Fire Watch	45	hrs	\$ 105.00	w/ Above	
	Supplemental Structure for sliding barn door	1	ls	\$ 2,000.00	\$ 2,000	
					Total Structural Steel	\$ 306,526
05 40 00	Cold Formed Mtl Framing					
	Cold Formed Metal Framing					
					w/ Gypsum	
					Total Cold Form Metal Framing	\$ -
05 50 00	Metal Fabrications					
	Exterior					
	West Entrance Canopy and supports - Eliminated per Design Team					
	Mechanical Screen wall repairs (existing mech roof well), allowance	1	allw	\$ 7,000	\$ 7,000	Excluded
	Galv steel supports for new rooftop mechanical equipment, allowance	1	allw	\$ 15,000	\$ 15,000	
	Roof railings, not required				None - Excluded	
	Roof Access Ladder (hatch with roofing), incl safety pop-up rail	1		\$ 14,000	\$ 14,000	
	Roof Access Ladders, galv exterior at roof mech & clerestory, none shown		lf	\$ -	\$ -	
	Lintels @ 5' and 6' Openings at Existing Building, new windows	42	lf	\$ 75	\$ 3,150	

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
	Interior		lf	\$ -	\$ -	
	Miscellaneous metals allowance for CMU clips, mechanical openings, barn door supports, etc	9,276	sf	\$ 2	\$ 13,914	
					Total Metal Fabrications	\$ 53,064
06 10 00	Rough Carpentry					
	Blocking					
	Exterior Window 1x & 2x Sills	226	lf	\$ 12	\$ 2,712	
	Storefront, exterior and interior	186	lf	\$ 12	\$ 2,232	
	Roof Perimeter Wood Blocking (assume 3 pcs)	1,300	lf	\$ 12	\$ 15,600	
	Roof Curb Blocking	1	ls	\$ 5,000	\$ 5,000	
	Misc. Interior Wall Blocking (15% of wall area)	2,339	sf	\$ 1	\$ 1,310	
	Temporary Protections					
	Temporary Partitions	-	sf		None - Excluded	
	Remove Temp Walls	-	cd		None - Excluded	
	Temp Doors	2	ea	\$ 1,100	\$ 2,200	
	Relocate / Remove Temp Doors	2	ea	\$ 250	\$ 500	
	Floor Protection	3,000	sf	\$ 2	\$ 5,880	
	Remove Floor Protection (3 Phases)	2	cd	\$ 1,600	\$ 3,200	
	Temp Window Enclosures	352	sf	\$ 10	\$ 3,520	
	Remove / Relocate Temp Window Enclosures	2	cd	\$ 1,600	\$ 3,200	
	Equipment					
	Lift Rental	1	ls	\$ 5,000	\$ 5,000	
	Scaffold Stair Towers for Roof Access	1	ls	\$ 20,000	\$ 20,000	
	Safety					
	Wood Safety Rails, Plywood Covers, Etc	9,276	sf	\$ 1	\$ 4,638	
					Total Rough Carpentry	\$ 74,992
06 20 00	Finish Carpentry					
	Casework					
	Base Cabinets 24" & Countertops	24	lf	\$ 400.00	\$ 9,600	
	Upper Cabinets	16	lf	\$ 325.00	\$ 5,200	
	Custom entry desk / reception	23	lf	\$ 1,000.00	\$ 23,000	
	Custom Displays at Childrens 120 cafe counters, allowance	4	lf	\$ 250.00	\$ 1,000	
	Built-in Step Seating, ptd wood w upholstered cushion & lockable base cabs	126	sf	\$ 450.00	\$ 56,700	
	Work surfaces	25	lf	\$ 200.00	\$ 5,000	
	Running Trim & Shelving					
	built-in wood shelving, 9-0" tall	54	lf	\$ 400.00	\$ 21,600	
	recessed picture rail for art display, quantity allowance	200	lf	\$ 30.00	\$ 6,000	
	Wood Paneling					
	Wood panel walls and ceiling at east vestibule		sf		None Excluded	
	Linea solid wood grill walls at service desk areas		sf		None Excluded	
	Acoustical wood slat walls at Adult Room	358	sf	\$ 75.00	\$ 26,850	
	Parklex Clapboard Interior	82	sf	\$ 44.00	\$ 3,608	
	Wood Trim					
	Window Sills - Solid Surface	42	lf	\$ 50.00	\$ 2,100	
	Misc Finish Carpentry not shown	1	allw	\$ 5,000.00	\$ 5,000	
					Total Finish Carpentry	\$ 189,958
07 10 00	Damp / Waterproofing					
	Damp / Waterproofing					
	Elevator Pit				None - Excluded	
	Exterior Building Waterproofing				None - Excluded	
					Total Damp / Waterproofing	\$ -
07 21 00	Thermal Insulation					
	In-wall Batt Insulation, by drywall contractor				w/ Gypsum	
	Rigid Insulation, 2" under slab on grade, by concrete contractor				w/ Concrete	
	Rigid Insulation, 3" at exterior cavity wall, by masonry contractor				w/ Masonry	
					Total Thermal Insulation	\$ -

Bloomfield Libraries
 Bloomfield, CT
 Design Development
 Drawings Dated: 10/07/2022
 Estimate Date 11/01/2022

McMAHON DETAIL

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
07 25 00	Air & Vapor Barriers Fluid Applied Air & Vapor Barriers				w/ Masonry	
Total Air & Vapor Barriers						\$ -
07 30 00	Siding Siding	869	sf	\$ 44.00	\$ 38,236	
Total Air & Vapor Barriers						\$ 38,236
07 46 00	Exterior Panels Metal Panel Soffits Roof Overhang Area, existing clerestory overhang - replace soffit w new metal panels Roof Overhang Area, new at high roof - new metal panel soffit Metal Panel Vertical Replacement Panels at Existing Clerestory Replace Existing Vertical Metal Panel Cladding at Clerestory Level Patch/replace existing sheathing/insulation backup for panels at existing clerestory area, allowance					
			sf		Excluded	
			sf		Excluded	
		100	sf	\$ 50.00	\$ 5,000	
		4	ea	\$ 300.00	\$ 1,200	
Total Exterior Panels						\$ 6,200
07 50 00	Membrane Roofing Existing Roofs Demo to roof slab at all existing roofs, including walls of mechanical equipment well; assume no ACM present Patch Existing Roof Substrate, allowance for 10% of area New Roofing Roof: existing roof EPDM - reroof all existing building Roof: New EPDM					
		3,640	sf	\$ 9.00	\$ 32,760	
		364	sf	\$ 20.00	\$ 7,280	
		4,893	sf	\$ 31.00	\$ 151,683	
		4,833	sf	\$ 31.00	\$ 149,823	
Total Membrane Roofing						\$ 341,546
07 62 00	Sheet Mtl Flashings & Trim <u>Parapets and Connections</u> Roof coping - high roof Roof coping - match aluminum composite panel, addition canopy trim Repair parapet - parapet cap, flashing etc Revise roof edge at connection to new addition - flashing etc <u>Roof Accessories</u> Roof hatch Roof Paver System - none shown Replace roof drains & scuppers, by plumbing contractor					
		306	lf	\$ 30.00	\$ 9,180	
		285	lf	\$ 30.00	\$ 8,550	
		803	lf	\$ 15.00	\$ 12,045	
		111	lf	\$ 50.00	\$ 5,550	
		1		\$ 5,500.00	\$ 5,500	
				\$ -		
				\$ -		
Total Flashing & Trim						\$ 40,825
07 81 00	Applied Fireproofing Applied Fireproofing - Fire Wall Locations Applied Fireproofing - Patching Intumecent Coatings					
					None - Excluded	
					None - Excluded	
					None - Excluded	
Total Applied Fireproofing						\$ -
07 84 00	Penetration Firestopping Fire-Resistive Joint Systems - Smoke 1 Hr / 2 Hr Firestopping of Existing Walls to Remain Fire Safing / Fire Sealants					
		9,276	sf	\$ 0.20	\$ 1,855	
		9,276	sf	\$ 0.20	\$ 1,855	
		9,276	sf	\$ 0.30	\$ 2,783	
Total Penetration Firestopping						\$ 6,493
07 92 00	Joint Sealants Foundations Concrete allowance Control Joint in new construction Millwork / Casework Door Frames, hollow metal Glazing, with windows and storefronts Misc Joint Sealants					
		3,293	sf	\$ 0.10	\$ 329	
		3,293	sf	\$ 0.10	\$ 329	
		100	lf	\$ 0.50	w/ Trade	
		15	ea	\$ 15.00	w/ Painter	
		0			w/ Windows	
		9,276	sf	\$ 0.20	\$ 1,855	
Total Joint Sealants						\$ 2,514

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
07 95 00 Expansion Control					
Expansion Joints					
Roof (does not include blocking)		If		w/ Roofing	
Masonry Wall Exterior	100	If	\$ 50	\$ 5,000	
Floor / Slabs	300	If	\$ 50	\$ 15,000	
Interior Wall		If		w/ Gyp Board	
CFMF Wall				w/ Masonry	
Ceiling				w/ Gyp Board	
				Total Expansion Control	\$ 20,000
08 10 00 Hollow Mtl Doors & Frames					
Frames					
HM Frame - Single, interior	-	ea	\$ 600.00	\$ -	
HM Frame - Single, with sidelight at office	-	ea	\$ 900.00	\$ -	
HM Frame - Single, exterior, in brick veneer exterior wall	1	ea	\$ 1,000.00	\$ 1,000	
HM Sidelight, incl glazing	-	ea	\$ 200.00	\$ -	
Wood Frame (3070) - Single, interior REVIEW w/Millwork	13	ea	\$ 600.00	\$ 7,800	
Field Measure All Door Frames for New Doors	1	cd	\$ 1,760.00	\$ 1,760	
Frame Installation	14	ea	\$ 200.00	\$ 2,800	
Doors					
Exterior door to Community Room (in brick veneer wall; HM or Glass?)	1	leaves	\$ 900.00	\$ 900	
Wood Doors	13	leaves	\$ 600.00	\$ 7,800	
Unload, Catalogue, Distribute	14	ea	\$ 150.00	\$ 2,100	
Door Installation	14	ea	\$ 150.00	\$ 2,100	
Door Hardware					
Standard Hardware	14	sets	\$ 800.00	\$ 11,200	
Glass door hardware, with glass and glazing contractor (except card swipes)		sets		w/ Doors/Frames/Hardware	
Panic Hardware - Premium	1	set	\$ 750.00	\$ 750	
Sound Gasketing & Smoke Seals	14	sets	\$ 100.00	\$ 1,400	
Card Swipes for exterior HM door & glass entry pairs	3	sets	\$ 2,500.00	\$ 7,500	
Installation - average unit price	17	sets	\$ 150.00	\$ 2,550	
				Total HM Doors & Frames	\$ 49,660
08 30 00 Specialty Doors					
Interior					
Sliding Barn Door, Frame, Hardware Kit, Installation	1	ea	\$ 5,000.00	\$ 5,000	
Access Doors, steel, powder coated	4	ea	\$ 400.00	\$ 1,600	
				Total Specialty Doors	\$ 6,600
08 41 00 Entrances & Storefront					
Exterior Storefront			\$ -	\$ -	
New Storefront, EFCO at Existing Building (Children #120 & Vestibule #V102)	496	sf	\$ 120.00	\$ 59,520	
modification for book drop	1	ls	\$ 500.00	\$ 500	
Glass & Aluminum Door Assemblies (per leaf), Exterior			\$ -	\$ -	
Glass Doors, Automatic Entrance	5	sets	\$ 12,000.00	\$ 60,000	
East & West Entry Vestibules - Double (Openings #V102A & V101A)	4	leaves	\$ 5,300.00	\$ 21,200	
Children's Room - Single (Opening #120)	1	leaves	\$ 5,300.00	\$ 5,300	
Interior Storefront			\$ -	\$ -	
New Storefront, EFCO at Building Interior (Staff Lounge #116)	120	sf	\$ 80.00	\$ 9,600	
New Storefront, EFCO at Building Interior (Teen Room #114)	270	sf	\$ 80.00	\$ 21,600	
New Storefront, EFCO at Building Interior (Study Rooms #108, #109 & #110)	210	sf	\$ 80.00	\$ 16,800	
New Storefront, EFCO at Building Interior (Community Room #104)	188	sf	\$ 80.00	\$ 15,040	
New Storefront, EFCO at Building Interior (East & West Vestibules #V101 & #V102)	706	sf	\$ 80.00	\$ 56,480	
Glass & Aluminum Door Assemblies (per leaf), Interior			\$ -	\$ -	
Book Drop Room - Single (Opening #119C)	1	leaf	\$ 2,500.00	\$ 2,500	
Office #1 - Single (Opening #117)	1	leaf	\$ 2,500.00	\$ 2,500	
Teen Room - Single (Openings #114A & 114B)	2	leaves	\$ 2,500.00	\$ 5,000	
Study Rooms #1, #2 & #3 - Single (Openings #108, #109 & #110)	3	leaves	\$ 2,500.00	\$ 7,500	
Vending Corridor - Single (Opening #113)	1	leaves	\$ 2,500.00	\$ 2,500	
Community Room - Single (Opening #104A)	1	leaves	\$ 2,500.00	\$ 2,500	
East Vestibule - Single (Openings #V101C)	1	leaves	\$ 2,500.00	\$ 2,500	
East & West Entry Vestibules - Double (Openings #V102B & V101B)	4	leaves	\$ 2,500.00	\$ 10,000	

Bloomfield Libraries
Bloomfield, CT
Design Development
Drawings Dated: 10/07/2022
Estimate Date 11/01/2022

McMAHON DETAIL

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
	Door Hardware (excluding card swipes, with Doors/Frames/Hardware)			\$ -	\$ -	
	Exterior doors	5	sets	\$ 800.00	\$ 4,000	
	Interior doors	14	sets	\$ 500.00	\$ 7,000	
	Installation	19	ea	\$ 300.00	\$ 5,700	
					Total Entrances & Storefront	\$ 317,740
08 44 00	Metal Framed Curtainwall					
	EFCO Aluminum Curtain Wall System			\$ -	\$ -	
	Curtainwall, addition, adult area, including internal steel mullion support & thermal breaks	1,432	sf	\$ 200.00	\$ 286,400	
	Curtainwall, addition, clerestory	430	sf	\$ 125.00	\$ 53,750	
	Premium for fritted glass	1,204	sf	\$ 25.00	\$ 30,100	
	Final clean of glass, curtainwall	1,862	sf	\$ 0.50	Incl Above	
					Total Curtainwall	\$ 370,250
08 50 00	Windows					
	EFCO Aluminum Window System					
	New 4' x 4' windows (7 windows)	112	sf	\$ 70.00	\$ 7,840	
	New 8' tall x 6' wide windows at Community Room (2 windows)	110	sf	\$ 70.00	\$ 7,700	
					Total Windows	\$ 15,540
08 71 00	Door Hardware					
	Door Hardware					
					w/ Doors & Frames	
					Total Door Hardware	\$ -
08 80 00	Glass & Glazing					
	Mirror at Staff Lounge/Locker Area	1	ea	\$ 500.00	\$ 500	
	Toilet Room Mirrors	4	ea	\$ 250.00	\$ 1,000	
					Total Glass & Glazing	\$ 1,500
08 90 00	Louvers & Vents					
	Louvers - misc not shown	1	allw	\$ 1,500.00	\$ 1,500	
					Total Louvers	\$ 1,500
09 21 00	Gypsum Board Assemb					
	Exterior Walls					
	Ext. Wall 12' High (Det.2/A4.02) (8"M.S.+Densglass+Batt Ins.+5/8Gyp); AVB and (3") rigid insulation with siding	904	sf	\$ 20.00	\$ 18,080	
	Ext. Wall 12' to 17'-6" at Clerestory (Det.5/A4.21) (6"M.S.+Densglass+Batt Ins.+5/8Gyp); AVB (3") and rigid insulation with masonry contractor	960	sf	\$ 20.00	\$ 19,200	
	Modify Existing Parapet (Det.4/A4.21) for New Clerestory	86	lf	\$ 120.00	\$ 10,320	
	Ext. Sloped Outrigger Soffit Framing (Det.1/A4.01) (6"M.S.+Densglass)	1,966	sf	\$ 18.00	\$ 35,388	
	Ext. Sloped Outrigger Soffit Finish - Direct Applied EIFS (17'-6"aff min.)	1,966	sf	\$ 25.00	\$ 49,150	
	Furring, 5/8" GWB on channels for int. face of exterior wall, w batt insul	432	sf	\$ 13.75	\$ 5,940	
	Alum Soffit Panels, existing overhang, see metal panels, above		sf		w/ Metal Panels	
	Alum Soffit Panels, high roof, new overhang, see metal panels, above		sf		w/ Metal Panels	

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
Interior Partitions						
	Typ Int. Partition 12' (Type M42) - 5/8"GWB-2Side+3-5/8"M.S.+Ins. (STC 45)	3,870	sf	\$ 14.50	\$ 56,115	
	Typ Int. Partition 18' (Type M42) - 5/8"GWB-2Side+3-5/8"M.S.+Ins. (STC 45)	1,629	sf	\$ 15.50	\$ 25,250	
	Typ Int. Partition 18' (Type M42) - Above Interior Storefronts 9' aff (STC 45)	420	sf	\$ 22.00	\$ 9,240	
	Typ Int. Partition (Type M31) - 5/8"GWB+2-1/2"M.S.- at Circulation	406	sf	\$ 10.00	\$ 4,060	
	Typ Int. Partition (Type M41) - 5/8"MRGWB+3-5/8"M.S.- Plumbing Chases	464	sf	\$ 12.00	\$ 5,568	
	Typ Int. Partition (Type M64) - 5/8"GWB-4lay+6"M.S.+5-1/2"SBI- (STC 54)	158	sf	\$ 16.00	\$ 2,528	
	Furring, 5/8" GWB on channels for interior walls, existing masonry	1,176	sf	\$ 8.00	\$ 9,408	
	Furring, 5/8" GWB on studs, one-sided interior walls	700	sf	\$ 9.00	\$ 6,300	
	Patch & Repair Existing Drywall at Existing Walls Scheduled to Remain	4,450	sf	\$ 2.00	\$ 8,900	
	GWB+Metal Fram'g (Detail 3/A4.01) for Int. Fireplace & Mantle at Adults #101	170	sf	\$ 18.00	\$ 3,060	
	GWB+Metal Fram'g (Detail 1/A4.01) for Int. Bluestone Bench at Adults #101	286	sf	\$ 18.00	\$ 5,148	
Ceilings						
	Framed structure for top of East Vestibule	150	sf	\$ 40.00	\$ 6,000	
	Gypsum Ceilings at Adults, Children, Lactation, & Corridor Areas	1,255	sf	\$ 17.00	\$ 21,335	
	Gypsum Ceilings at Toilet Rooms, West Vestibule & Bookdrop Areas	430	sf	\$ 17.00	\$ 7,310	
Soffits & Boxouts						
	Drywall Soffits (Details 5&9/A2.31) at Childrens Area #120	790	sf	\$ 17.00	\$ 13,430	
	Drywall Circular Soffits (Details 10/A2.31) at Childrens #120	210	sf	\$ 34.00	\$ 7,140	
	Recessed Drywall Projector Boxout at Childrens Area #120	42	sf	\$ 17.00	\$ 714	
	Drywall Soffits (Details 5&9/A2.31) at Teen Room #114	554	sf	\$ 17.00	\$ 9,418	
	Recessed Drywall Light Pocket (Det.8/A231) at Bath #111, #112, #124 & #125	70	sf	\$ 17.00	\$ 1,190	
	Curved Drywall Soffits (Details 12/A2.31) at Reception #113	230	sf	\$ 34.00	\$ 7,820	
	Drywall Returns at New Windows	210	sf	\$ 18.75	\$ 3,938	
	Misc Joint Sealants included with Div 7					w/ Div 7
					Total Gypsum Board Assemblies	\$ 351,949
09 30 00	Tile					
	Floor Tile					
	Ceramic tile at toilet rooms	442	sf	\$ 16.00	\$ 7,072	
	Tile Base					
	Porcelain base at entry vestibules	96	lf	\$ 12.50	\$ 1,200	
	Ceramic tile at toilet rooms	210	lf	\$ 16.00	\$ 3,360	
	Wall Tile					
	Ceramic tile at toilet rooms, full-height	1,360	sf	\$ 16.00	\$ 21,760	
	Marble Thresholds	6	ea	\$ 150.00	\$ 900	
	Crack Suppression, Waterproofing Membrane	442	sf	\$ 3.00	\$ 1,326	
	Attic Stock	0.00%	pct			
					Total Tile	\$ 35,618
09 51 00	Acoustical Ceiling					
	Acoustic Tile Ceiling - ACT 1 - 2'x2' at Child,Lounge,Offices,Teen,Study,Kit.& Storage	2,710	sf	\$ 10.00	\$ 27,100	
	Acoustic Tile Ceiling - ACT 2 adhered to Drywall (Detail 12/A2.31) at Reception #113	188	sf	\$ 7.75	\$ 1,457	
	Axiom Trim (6" dp) - Radius (Detail 12/A2.31) at Reception #113	50	sf	\$ 30.00	\$ 1,500	
	Acoustic Tile Ceiling - ACT 3 adhered to Drywall (Detail 10/A2.31) at Children #120	130	sf	\$ 7.75	\$ 1,008	
	Wood slat ceiling	1,420	sf	\$ 22.00	\$ 31,240	
	Painted Gypsum Ceiling - GWB ceilings and soffits with 092100 Gyp Board and paint is with 099000		ls		w/ Gypsum & Paint	
	Wood ceiling panels at east vestibule, with Div 6 Finish Carpentry		pct		w/ Finish Carpentry	
	Exterior Soffits (Direct Applied Finish) - with Drywall, Div 9				w/ Drywall	
	ACOUSTIBUILT Seamless Acoustical Ceiling System - 2604 Armstrong Ceiling Solutions - Commercial at Adult rm	2,115	sf	\$ 50.00	\$ 105,750	
	Misc Acoustical Ceilings and Trim not yet detailed	1		\$ 5,000.00	\$ 5,000	
	Attic Stock	0.00%	pct			
					Total Acoustical Ceiling	\$ 173,055
09 64 00	Wood Flooring					
	Wood Flooring - none shown	None - Excluded				
					Total Wood Flooring	\$ -
09 61 10	Vapor Mitigation					
	Moisture Mitigation - Top / Skim Slabs - (Ad Mix Carried - See Concrete)	w/ Concrete				
					Total Vapor Mitigation	\$ -

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
09 65 00	Resilient Flooring					
	Floors					
	linoleum	380	sf	\$ 8.00	\$ 3,040	
	VCT - none shown	0	sf		None - Excluded	
	Floor Prep					
	Hydraulic Cement Underlayment	380	sf	\$ 0.75	\$ 285	
	Crack Repair, see concrete contractor scope in Div 3	0	NIC		None - Excluded	
	Wall Base & Accessories					
	Rubber Base	840	lf	\$ 3.50	\$ 2,940	
	Transition Strips, Thresholds, etc	14	ea	\$ 100.00	\$ 1,400	
	Attic Stock	0%	pct			
					Total Resilient Flooring	\$ 7,665
09 67 00	Resinous Flooring					
	EP1 Epoxy Floor - Eliminated per TSKP				Excluded	
	EB-1 Cove Base - Eliminated per TSKP				Excluded	
					Total Resinous Flooring	\$ -
09 68 00	Carpet					
	Carpet Tile -1 at Offices	1,405	sf	\$ 5.00	\$ 7,025	
	Carpet Tile - 2	4,280	sf	\$ 5.00	\$ 21,400	
	Carpet Tile - 3	1,707	sf	\$ 5.00	\$ 8,535	
	Bolon Woven Flooring - Eliminated per Design Team					
	Floor Prep	7,392	sf	\$ 0.75	\$ 5,544	
	Attic Stock	0%	pct			
					Total Carpet	\$ 42,504
09 80 00	Acoustical Treatment					
	Acoustical Wall Panels	500	sf-allw	\$ 30.00	\$ 15,000	
					Total Acoustical Treatment	\$ 15,000
09 91 00	Painting					
	Exterior					
	HM Doors	1	ea	\$ 50	\$ 50	
	HM Frames	1	ea	\$ 150	\$ 150	
	Interior					
	Wood Doors, prefinished		ea		None - Excluded	
	HM Frames	15	ea	\$ 150	\$ 2,250	
	Stair Finishes					
	Wall Finish					
	Paint walls, latex	8,788	sf	\$ 1	\$ 11,424	
	Paint walls, epoxy	1,950	sf	\$ 2	\$ 3,900	
	Prime for graphic murals at teen & children rooms	507	sf	\$ 1	\$ 456	
	Floor Finish					
	Epoxy paint, floors - Eliminated per TSKP				Excluded	
	Epoxy paint, base - Eliminated per TSKP				Excluded	
	Ceilings					
	Exposed Structure, none	-	sf	\$ 2	\$ -	
	Gypsum Ceilings	4,500	sf	\$ 1	\$ 5,850	
	Gyp Soffits & Facia	2,900	sf	\$ 1	\$ 3,770	
	Existing Ceilings, no existing ceilings remain	-	sf	\$ 1	\$ -	
	Misc. Touch Ups	20	mh	\$ 79	\$ 1,574	
	Column cover or paint column (exposed column)	10	ea	\$ 750	\$ 7,500	
					Total Painting	\$ 36,925

Bloomfield Libraries
 Bloomfield, CT
 Design Development
 Drawings Dated: 10/07/2022
 Estimate Date 11/01/2022

McMAHON DETAIL

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
10 11 00	Visual Display Surfaces					
	Tack Board Allowance	1	allw	\$ 3,000	\$ 3,000	
					Total Visual Display Surfaces	\$ 3,000
10 14 00	Signage					
	Exterior Building Sign - Dimensional Letter Signage	1	allw	\$ 5,000.00	\$ 5,000	
	Exterior Building Sign - Site Signage, existing to remain				Existing to Remain	
	Exterior signage, directional/parking, with sitework contractor				w/ Sitework	
	Interior Signage - allowance	9,276	sf	\$ 0.25	\$ 2,319	
	Temporary Signage	1	ls	\$ 1,500.00	\$ 1,500	
					Total Signage	\$ 8,819
10 21 13	Toilet Compartments					
	ADA Stalls - Ceiling Mounted	1	ea	\$ 2,000	\$ 2,000	
	Standard Stalls - Ceiling Mounted		ea		None - Excluded	
	Structural Support of Partitions		ea		None - Excluded	
	Urinal Screen		ea		None - Excluded	
					Total Toilet Compartments	\$ 2,000
10 22 33	Operable Partitions					
	Folding Partition				None - Excluded	
					Total Operable Partitions	\$ -
10 26 00	Wall & Door Protection					
	InPro Tape on Corner Guards				None - Excluded	
	Wall & Door Protection - Allowance				None - Excluded	
					Total Wall & Door Protection	\$ -
10 28 00	Toilet Accessories					
	Toilet Accessories					
	grab bar	8	ea	\$ 60.00	\$ 480	
	soap dispenser	4	ea	\$ 35.00	\$ 140	
	dispenser, paper towel	4	ea	\$ 35.00	\$ 140	
	dispenser, toilet paper, single	5	ea	\$ 55.00	\$ 275	
	mop holder/shelves at janitor closet	1	ea	\$ 280.00	\$ 280	
	Mirror at bathroom	4	ea	\$ 250.00	\$ 1,000	
	Mirror, full height, at staff lounge	1	ea	\$ 300.00	\$ 300	
	Diaper Changing Station - Koala KB101 Fiber	1	ea	\$ 350.00	\$ 350	
	Install toilet accessories	28	ea	\$ 75.00	\$ 2,100	
					Total Toilet Accessories	\$ 5,065
10 32 16	Fireplace Inserts					
	Fireplace inserts			\$ -	\$ -	
	Electric fireplace insert	1	ea	\$ 2,000.00	\$ 2,000	
					Total Emergency Access Cabinets	\$ 2,000
10 44 00	Fire Protection Specialties					
	Fire Extinguishers & Cabinets (allw) - Not shown	3	allw	\$ 450	\$ 1,350	
					Total Fire Protection Specialties	\$ 1,350
10 51 00	Lockers					
	Staff Lockers	9	ea	\$ 350.00	\$ 3,150	
	Installation	9	ea	\$ 25.00	\$ 225	
					Total Lockers	\$ 3,375
10 52 20	Postal Equipment					
	Postal Specialties				None - Excluded	
					Total Fabricated Structures	\$ -
10 83 16	Banners					
	Decorative Banners				None - Excluded	
					Total Banners	\$ -

Bloomfield Libraries
 Bloomfield, CT
 Design Development
 Drawings Dated: 10/07/2022
 Estimate Date 11/01/2022

McMAHON DETAIL

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
11 13 00	Loading Dock Equipment Loading Dock				None - Excluded	
					Total Dock Equipment	\$ -
11 51 00	Library Equipment Book drop box through storefront panel wall	1	ea	\$ 1,200	\$ 1,200	
					Total Commercial Laundry Equipment	\$ 1,200
11 30 00	Residential Appliances Microwave Ovens	2	ea	\$ 1,200.00	\$ 2,400	
	Refrigerator, 22 cu in capacity for Staff Lounge	1	ea	\$ 2,200.00	\$ 2,200	
	Dishwasher -for staff lounge	1	ea	\$ 950.00	\$ 950	
	Undercounter Refrg for kitchenette	1	ea	\$ 1,750.00	\$ 1,750	
	Vending machines by other		NIC		by Owner vendor	
	Coffee Maker	1	ea	\$ 250.00	\$ 250	
	Unloading and setup	6	ea	\$ 150.00	\$ 900	
					Total Appliances	\$ 8,450
11 40 00	Foodservice Equipment Food Services Allowance				None - Excluded	
					Total Foodservice	\$ -
11 52 00	Audio-Visual Equipment AV Equipment				None - Excluded	
					Total AV Equipment	\$ -
11 53 00	Laboratory Fume Hood Fume Hoods				None - Excluded	
					Total Laboratory Fume Hood	\$ -
11 61 00	Theater & Stage Equipment Stage Rigging - Wenger Corp as spec'd				None - Excluded	
	Stage Curtain - Wenger Corp as spec'd				None - Excluded	
	Install Curtains & Rigging - Wenger Corp as spec'd				None - Excluded	
	Retractable Projection Screen				None - Excluded	
					Total Theater and Stage	\$ -
11 66 00	Athletic Equipment Athletic Equipment				None - Excluded	
					Total Athletic Equipment	\$ -
11 90 00	Miscellaneous Equipment Misc Equipment				None - Excluded	
					Total Misc. Equipment	\$ -
12 20 00	Window Treatment Roller Shades, motorized, single roll units	250	sf	\$ 30.00	\$ 7,500	
	Double shade with black out roller shade in Community Room	102	sf	\$ 60.00	\$ 6,120	
	Window Treatment - Electrically Operated - excluded				None - Excluded	
					Total Window Treatment	\$ 13,620
12 35 53	Music Education Storage Systems Music Storage				None - Excluded	
					Total Music Ed Storage	\$ -
12 35 53	Laboratory Casework Laboratory Casework				None - Excluded	
					Total Lab Casework	\$ -
12 48 13	Entrance Mats & Frame EM1 Walk-off	286.00	sf	\$ 22	\$ 6,292	
					Total Entry Mat & Frame	\$ 6,292

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
12 52 00	Seating Fixed Seating - childrens room - repair		ls		w/ Carpentry	
					Total Fixed Seating	\$ -
13 00 00	Special Construction Special Construction				None - Excluded	
					Total Special Construction	\$ -
14 20 00	Elevators Elevator				None - Excluded	
					Total Elevators	\$ -
21 00 00	Fire Protection Fire Protection - No work required					
					Total Fire Protection	\$ -
22 00 00	Plumbing					
	Plumbing Equipment:					
	Electric heat pump hot water heater	1	ea	\$ 4,500	\$ 4,500	
	Hot water recirculation pump	1	ea	\$ 1,100	\$ 1,100	
	Expansion tank	1	ea	\$ 800	\$ 800	
	Mixing valve; master	1	ea	\$ 6,500	\$ 6,500	
	Water meter assembly	1	ea	\$ 2,400	\$ 2,400	
	2" Backflow preventer for domestic water system	1	ea	\$ 4,500	\$ 4,500	
	Floor drain - carry forward previous qty	4	ea	\$ 900	\$ 3,600	
	Miscellaneous plumbing equipment	1	ls	\$ 1,000	\$ 1,000	
	Plumbing Fixtures:					
	Water closet ADA	4	ea	\$ 1,775	\$ 7,100	
	Water closet	1	ea	\$ 1,750	\$ 1,750	
	Lavatory, wall hung	5	ea	\$ 1,450	\$ 7,250	
	Sink	2	ea	\$ 1,200	\$ 2,400	
	Electric water cooler, bi-level	1	ea	\$ 3,200	\$ 3,200	
	Mop basin	1	ea	\$ 1,400	\$ 1,400	
	Hose bibb (Carried Forward)	2	ea	\$ 375	\$ 750	
	Freezeproof wall hydrant (Carried Forward)	2	ea	\$ 450	\$ 900	
	Domestic Water Piping:					
	Domestic water main service	1	ea	\$ 3,500	\$ 3,500	
	1/2" Domestic water pipe with fittings & hangers (copper)	40	lf	\$ 40	\$ 1,600	
	3/4" Domestic water pipe with fittings & hangers (copper)	270	lf	\$ 45	\$ 12,150	
	1" Domestic water pipe with fittings & hangers (copper)	100	lf	\$ 48	\$ 4,800	
	2" Domestic water pipe with fittings & hangers (copper)	120	lf	\$ 55	\$ 6,600	
	Domestic water valves and fittings	1	ls	\$ 4,871	\$ 4,871	
	Domestic water pipe insulation	530	lf	\$ 14	\$ 7,420	
	Sanitary Waste And Vent Pipe w/ Hangers:					
	2" UG Waste and vent piping	20	lf	\$ 45	\$ 900	
	3" UG Waste and vent piping	40	lf	\$ 48	\$ 1,920	
	4" UG Waste and vent piping	222	lf	\$ 55	\$ 12,210	
	2" AG Waste and vent piping	170	lf	\$ 45	\$ 7,650	
	3" AG Waste and vent piping	25	lf	\$ 48	\$ 1,200	
	4" AG Waste and vent piping	70	lf	\$ 55	\$ 3,850	
	Storm Drainage, Cast Iron Pipe:					
	Roof drain, primary	10	ea	\$ 1,400	\$ 14,000	
	Roof drain, secondary	1	ea	\$ 1,400	\$ 1,400	
	Scupper Drain	1	ea	\$ 1,200	\$ 1,200	
	Overflow Nozzle	1	ea	\$ 600	\$ 600	
	Backwater valve	1	ea	\$ 850	\$ 850	
	3" UG Storm piping	69	lf	\$ 50	\$ 3,450	
	4" UG Storm piping	253	lf	\$ 55	\$ 13,915	
	6" UG Storm piping	14	lf	\$ 70	\$ 980	
	3" AG Storm piping	121	lf	\$ 50	\$ 6,050	
	4" AG Storm piping	26	lf	\$ 55	\$ 1,430	
	5" Overflow AG Storm piping	18	lf	\$ 65	\$ 1,170	
	Storm pipe Insulation (horizontal only)	50	lf	\$ 18	\$ 900	

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
Natural Gas Piping:						
	Natural gas meter connection	1	ls	\$ 2,500	\$ 2,500	
	1 1/2" Black steel pipe with fittings & hangers	150	lf	\$ 55	\$ 8,250	
	Boiler equipment connections	2	ea	\$ 1,200	\$ 2,400	
	Gas Shut Off	1	ea	\$ 1,500	\$ 1,500	
Condensate Drain Piping:						
	Copper pipe type L with fittings & hangers	50	lf	\$ 45	\$ 2,250	
	Condensate Pipe insulation	50	lf	\$ 10	\$ 500	
Miscellaneous:						
	Demolition	1	ls	\$ 10,000	\$ 10,000	
	Coordination & BIM	1	ls	\$ 5,000	\$ 5,000	
	Coring, sleeves & firestopping	1	ls	\$ 2,000	\$ 2,000	
	Seismic / structural components	1	ls	\$ 1,000	\$ 1,000	
	Commissioning support	1	ls	\$ 1,000	\$ 1,000	
	Testing and sterilization	1	ls	\$ 500	\$ 500	
	Rigging / Equipment rental	1	ls	\$ 1,000	\$ 1,000	
	Shop Drawings & Approvals	1	ls	\$ 1,000	\$ 1,000	
					Total Plumbing	\$ 202,666
23 00 00	HVAC					
Heating Plant Equipment						
	Gas fired condensing boiler, wall mounted 199 MBH	3	ea	\$ 10,000	\$ 30,000	
	Expansion tank	1	ea	\$ 2,600	\$ 2,600	
	Air separator	1	ea	\$ 2,200	\$ 2,200	
	Glycol feeder	1	ea	\$ 3,600	\$ 3,600	
	Pot feeder	1	ea	\$ 2,600	\$ 2,600	
	HW secondary pump, 35 gpm with VFD	2	ea	\$ 5,000	\$ 10,000	
	HW primary boiler pump, 15 gpm	2	ea	\$ 2,800	\$ 5,600	
Heating & Cooling Equipment						
	Cabinet unit heater, hot water	1	ea	\$ 1,400	\$ 1,400	
	Unit heater, electric	1	ea	\$ 1,000	\$ 1,000	
	Fin tube radiator, hot water	130	lf	\$ 105	\$ 13,650	
	Ductless split system, 2 ton	1	ea	\$ 9,500	\$ 9,500	
Air Distribution						
	RTU-01: 10,500 CFM, HW coil & DX coil	10,500	cfm	\$ 18	\$ 189,000	
	EF-01: Exhaust Fan, toilet room, 260cfm	1	ea	\$ 1,200	\$ 1,200	
	EF-02: Exhaust Fan, toilet room, 210cfm	1	ea	\$ 1,201	\$ 1,201	
	Miscellaneous air distribution equipment	9,276	sf	\$ 1	\$ 9,276	
Sheet Metal & Accessories:						
	Galvanized duct	6,000	lbs	\$ 17	\$ 100,500	
	Sheet metal insulation	4,000	sf	\$ 6	\$ 24,000	
	VAV	8	ea	\$ 1,200	\$ 9,600	
	Linear diffuser	12	ea	\$ 320	\$ 3,840	
	Register & diffusers	38	ea	\$ 220	\$ 8,360	
	Breaching	1	ls	\$ 4,500	\$ 4,500	
	Miscellaneous sheet metal accessories	1	ls	\$ 5,000	\$ 5,000	
HVAC pipe:						
Hot water piping:						
	HW pipe with fittings & hangers, <2"	250	lf	\$ 50	\$ 12,500	
	HW pipe with fittings & hangers, <1"	800	lf	\$ 45	\$ 36,000	
	HW valves & accessories	1	ls	\$ 8,245	\$ 8,245	
	Pipe insulation	1,050	lf	\$ 11	\$ 11,550	
Refrigerant piping						
	Refrigerant pipe with fittings & hangers	200	lf	\$ 45	\$ 9,000	
	Pipe insulation	200	lf	\$ 10	\$ 2,000	
Condensate Drain Piping:						
	Copper pipe type L with fittings & hangers	50	lf		w/ Plumbing	
	Condensate Pipe insulation	50	lf		w/ Plumbing	
Temperature controls:						
	DDC - Central BMS and dedicated VRF controls	9,276	sf	\$ 6	\$ 55,656	
Test and Balance:						
	Testing & balance	9,276	sf	\$ 1	\$ 11,595	

Bloomfield Libraries
Bloomfield, CT
Design Development
Drawings Dated: 10/07/2022
Estimate Date 11/01/2022

McMAHON DETAIL

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
Miscellaneous:						
	Demolition	1	ls	\$ 10,000	\$ 10,000	
	Coring, sleeves & firestopping	1	ls	\$ 5,000	\$ 5,000	
	Commissioning support	1	ls	\$ 5,000	\$ 5,000	
	Equipment start-up & inspection	1	ls	\$ 2,500	\$ 2,500	
	Rigging / Equipment rental	1	ls	\$ 6,000	\$ 6,000	
	Detailing / Coordination / General Conditions	1	ls	\$ 10,000	\$ 10,000	
					Total HVAC	\$ 623,673
26 00 00	Electrical					
	Gear and Distribution					
	Normal Power:					
	Meter	1	ea	\$ 345	\$ 345	
	Connect existing 600A incoming service to new distribution panel	1	ls	\$ 1,725	\$ 1,725	
	600A 277/480V distribution panelboard	1	ea	\$ 11,500	\$ 11,500	
	225A 120/208V panelboard	3	ea	\$ 3,105	\$ 9,315	
	600A disconnect switch	1	ea	\$ 7,935	\$ 7,935	
	600A feed	10	lf	\$ 230	\$ 2,300	
	225A feed	170	lf	\$ 80	\$ 13,600	
	Emergency Power:					
	Generator		NIC		NIC	
	Equipment Wiring:					
	Boiler feed and connection	3	ea	\$ 2,012	\$ 6,036	
	Electric heat pump hot water heater	1	ea	\$ 1,600	\$ 1,600	
	Hot water recirculation pump	1	ea	\$ 1,600	\$ 1,600	
	HW secondary pump, 35 gpm with VFD	2	ea	\$ 1,600	\$ 3,200	
	HW primary boiler pump, 15 gpm	2	ea	\$ 1,600	\$ 3,200	
	CUH feed and connection	1	ea	\$ 980	\$ 980	
	CU feed and connection	1	ea	\$ 5,750	\$ 5,750	
	Electric heater feed & connection	1	ea	\$ 1,150	\$ 1,150	
	Exhaust fan feed, connection & 30A FSS 3R	2	ea	\$ 1,725	\$ 3,450	
	AC feed and connection	1	ea	\$ 2,875	\$ 2,875	
	CU feed and connection	1	ea	\$ 4,025	\$ 4,025	
	RTU feed, connection & 60A FSS 3R	1	ea	\$ 5,175	\$ 5,175	
	120V temperature control feed and connection	4	ea	\$ 630	\$ 2,520	
	Hand dryer feed and connection	4	ea	\$ 1,380	\$ 5,520	
	Heat trace feed and connection	1	ea	\$ 860	\$ 860	
	Equipment wiring not yet defined	8,918	sf	\$ 0	\$ 2,675	
	Photovoltaic System					
	PV equipment & installation labor, per Conceptual budgeting			\$ -		
	4" conduit to roof (2 runs)	100	lf	\$ 48	\$ 4,800	
	Meter	1	ea	\$ 575	\$ 575	
	Additional electrical for PV, allow	1	ls	\$ 4,600	\$ 4,600	

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
Lighting:						
	Type A 2X2	16	ea	\$ 345	\$ 5,520	
	Type AE 2X2	7	ea	\$ 345	\$ 2,415	
	Type B 2X2	5	ea	\$ 345	\$ 1,725	
	Type C LINEAR SLOT	79	lf	\$ 115	\$ 9,085	
	Type CE LINEAR SLOT	39	lf	\$ 118	\$ 4,602	
	Type D1 4" round linear pendant	4	lf	\$ 98	\$ 392	
	Type D1E 4" round linear pendant	4	lf	\$ 103	\$ 412	
	Type D2 4" round linear pendant	71	lf	\$ 98	\$ 6,958	
	Type D2E 4" round linear pendant	55	lf	\$ 103	\$ 5,665	
	Type E decorative pendant	6	ea	\$ 1,380	\$ 8,280	
	Type F decorative recessed light	6	ea	\$ 345	\$ 2,070	
	Type G strip fixture	1	ea	\$ 230	\$ 230	
	Type GE strip fixture	1	ea	\$ 255	\$ 255	
	Type H1 recessed downlight	8	ea	\$ 345	\$ 2,760	
	Type H1E recessed downlight	9	ea	\$ 370	\$ 3,330	
	Type I-1 12" seamless opal acrylic globe	14	ea	\$ 1,380	\$ 19,320	
	Type I-2 16" seamless opal acrylic globe	13	ea	\$ 1,550	\$ 20,150	
	Type I-3E 20" seamless opal acrylic globe	13	ea	\$ 1,725	\$ 22,425	
	Type decorative 5' diameter fixture	4	ea	\$ 4,025	\$ 16,100	
	Type decorative 3' diameter fixture	3	ea	\$ 3,450	\$ 10,350	
	Type decorative 2' diameter fixture	6	ea	\$ 2,300	\$ 13,800	
	Exit sign	13	ea	\$ 310	\$ 4,030	
Lighting Control:						
	Daylight harvesting lighting control system	8,918	sf	\$ 2	\$ 17,836	
Branch Devices:						
	Duplex receptacle	73	ea	\$ 31	\$ 2,263	
	Double duplex receptacle	9	ea	\$ 62	\$ 558	
	GFI receptacle	18	ea	\$ 50	\$ 900	
	Special purpose receptacle	1	ea	\$ 87	\$ 87	
	Connection to fire place	1	ea	\$ 115	\$ 115	
	Connection to hand dryer	4	ea	\$ 98	\$ 392	
	Floor box	20	ea	\$ 460	\$ 9,200	
	FB2	29	ea	\$ 575	\$ 16,675	
	FB3	17	ea	\$ 860	\$ 14,620	
	Lighting & Branch Circuitry	8,918	sf	\$ 6	\$ 51,279	
Grounding Protection						
	Building grounding	8,918	sf	\$ 1	\$ 4,459	
	Lightning protection system	8,918	sf	\$ 1	\$ 6,243	
Demolition						
	All existing Electrical, Fire alarm & LV systems: Demolition, removal, work back to source	1	ls	\$ 11,500	\$ 11,500	
Common Work Results for Electrical						
	Common Work Results for Electrical	8,918	sf	\$ 3	\$ 26,754	
					Total Electrical	\$ 430,066
26 31 00	Photovoltaic System					
	Photovoltaic System	1	ls		See Alternates	
					Total Photovoltaic System	See Alternates
27 10 00	Communications System					
Telecommunications						
	Fit out (devices & cabling)					
	Closet fit out	1	ls	\$ 4,025	\$ 4,025	
	2-port device	17	ea	\$ 25	\$ 425	
	2-port device (Floor)	23	ea	\$ 25	\$ 575	
	Cat 6A cable	15,000	lf	\$ 2	\$ 26,250	
Telecommunications						
	Closet rough-in, allow	1	ls	\$ 2,300	\$ 2,300	
	Device box with conduit stub to ceiling	17	ea	\$ 132	\$ 2,244	
	Rough-in not yet detailed	8,918	sf	\$ 0	\$ 3,077	

Bloomfield Libraries
Bloomfield, CT
Design Development
Drawings Dated: 10/07/2022
Estimate Date 11/01/2022

McMAHON DETAIL

Estimate Detail		Qty	Unit	Unit Price	Subtotal	Total
	Audio / Video Sound Systems					
	Equipment with installation labor, system turn-on & training		FF&E		NIC	NIC
	Audio / Video Sound Systems					
	Rough-in, allow	8,918	sf	\$ 1	\$ 4,459	
	Emergency Call for Aid					
	Pull cord, dome light and wiring	8	ea	\$ 1,725	\$ 13,800	
	Device box with conduit stub	16	ea	\$ 130	\$ 2,080	
	Public Address System - Assumes 10 Speakers tied into SIP Phone Distribution	1	ls	\$ 3,000	\$ 3,000	
					Total Communications	\$ 62,235
28 10 00	Fire Alarm					
	Fire Alarm System					
	Fire alarm control panel w/Voice Evac	1	ea	\$ 9,200	\$ 9,200	
	Fire alarm remote annunciator	1	ea	\$ 3,075	\$ 3,075	
	Initiating device	10	ea	\$ 250	\$ 2,500	
	Signaling device	19	ea	\$ 250	\$ 4,750	
	Device box	30	ea	\$ 50	\$ 1,500	
	3/4" EMT	750	ea	\$ 13	\$ 9,750	
	#14 THHN	2,250	ea	\$ 1	\$ 2,813	
	FAMC	750	ea	\$ 7	\$ 5,175	
	Cabling	1,500	ea	\$ 1	\$ 1,725	
	Testing and programming	1	ls	\$ 1,380	\$ 1,380	
	BDA/DAS system	1	ls	\$ 10,350	\$ 10,350	
					Total Fire Alarm	\$ 52,218
28 20 00	Security System					
	Security System	8,918	sf	\$ 4	\$ 31,213	
	Access control				Included above	
	CCTV				Included above	
	Intrusion detection				Included above	
	Rough-in:	8,918	sf	\$ 2	\$ 17,836	
	Access control				Included above	
	CCTV				Included above	
	Intrusion detection				Included above	
	People Counter	1	ls	\$ 2,500	\$ 2,500	
					Total Security	\$ 51,549
26 56 00	Site Electrical					
	<i>Civil Scope for Electrical</i>					
	Concrete					
	Communications duct bank 3-4" PVC, empty - if needed	200	lf	\$ 35	\$ 7,000	
	Excavation & backfill					
	Communications duct bank 3-4" PVC, empty - if needed	200	lf	\$ 29	\$ 5,800	
	Lighting circuitry, allow	500	lf	\$ 7	\$ 3,500	
	Site Power distribution:					
	Existing 600A power service duct bank		ETR		NIC	
	Site Lighting					
	Site lighting fixture Type S-B 42" bollard	8	ea	\$ 1,725	\$ 13,800	
	Site lighting fixture Type S-E pole mount fixture	2	ea	\$ 2,875	\$ 5,750	
	Site lighting fixture Type S-F dual pole mounted fixtures	2	ea	\$ 3,450	\$ 6,900	
	Site lighting circuitry	1,560	lf	\$ 23	\$ 35,880	
	Site Communications:					
	Connection at manhole, allow	1	ls	\$ 2,875	\$ 2,875	
	Communications duct bank 3-4" PVC, empty - if needed	200	lf	\$ 87	\$ 17,400	
	EV Charging Station:					
	EV Charging Station	2	ea	\$ 13,800	\$ 27,600	
					Total Site Electrical	\$ 126,505

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
31 00 00 Sitework, Landscaping & Utilities					
Mobilization / Site Layout					
Mobilization / Demobilization	1	ls	\$ 7,500.00	\$ 7,500	
Site Safety	1	ls	\$ 5,000.00	\$ 5,000	
Jersey Barriers, not required		NIC		None - Excluded	
General Dewatering	1	ls	\$ 5,000.00	\$ 5,000	
Erosion Control					
Site Sweeping, Dust & Traffic Control	1	ls	\$ 5,000.00	\$ 5,000	
Anti-track pads & maintenance	1	ea	\$ 5,000.00	\$ 5,000	
Concrete washout area	1	ls	\$ 2,500.00	\$ 2,500	
Material stockpile area	1	ls	\$ 5,000.00	\$ 5,000	
Silt fence	1,159	lf	\$ 7.41	\$ 8,585	
Inlet protection (Silt Sacks)	7	ea	\$ 231.48	\$ 1,620	
Maintain & Remove Erosion Control	1	ls	\$ 4,629.63	\$ 4,630	
Site Clearing					
6' H Chain Link Fence Enclosure (put up, maintain & remove)	1,145	lf	\$ 30.00	\$ 34,350	
Temporary Gates - pair	1	ea	\$ 2,600.00	\$ 2,600	
Site Demolition					
Remove ex concrete planter by street	166	sf	\$ 3.00	\$ 498	
Pavement demo: remove ex concrete walkways	3,257	sf	\$ 1.50	\$ 4,886	
Remove bituminous walkway	365	sf	\$ 1.25	\$ 456	
Sawcut Rockwell Avenue paving at parking lot realignment	161	lf	\$ 12.00	\$ 1,932	
Pavement demo: remove ex asphalt paving, base to remain	7,008	sf	\$ 1.30	\$ 9,110	
Mill existing parking lot areas identified	8,217	sf	w/ Mill & Repave Below		
Remove precast curbing	892	lf	\$ 11.11	\$ 9,910	
Demo gravel bed	889	sf	\$ 1.50	\$ 1,334	
Protect existing fire hydrant	1	ea	\$ 1,000.00	\$ 1,000	
Protect existing library street sign	1	ea	\$ 500.00	\$ 500	
Remove and salvage existing plaque to reinstall	1	ea	\$ 500.00	\$ 500	
Remove & salvage exterior railing	1	ea	\$ 500.00	\$ 500	
Protect existing 15" sycamore	1	ea	\$ 1,000.00	\$ 1,000	
Protect existing maple trees	5	ea	\$ 500.00	\$ 2,500	
Protect existing memorial dogwood	1	ea	\$ 1,000.00	\$ 1,000	
Remove existing 24" maple	2	ea	\$ 7,500.00	\$ 15,000	
Remove existing spruce tree	1	ea	\$ 1,000.00	\$ 1,000	
Remove existing cherry tree	1	ea	\$ 1,000.00	\$ 1,000	
Remove existing crabapple tree	5	ea	\$ 1,000.00	\$ 5,000	
Salvage & Relocate existing tree	1	ea	\$ 2,000.00	\$ 2,000	
Remove Misc. Site Furnishings (benches tables, wood fence, sign, etc.)	1	ls	\$ 1,000.00	\$ 1,000	
Remove Utilities					
cap gas line for future reconnection	1	ls	\$ 1,200.00	\$ 1,200	
cap water line for future reconnection	1	ls	\$ 1,200.00	\$ 1,200	
excavate at sanitary MH to disconnect 6" pvc sanitary	1	ls	\$ 1,200.00	\$ 1,200	
Remove Utility Line, 3" gas	76	lf	\$ 50.00	\$ 3,800	
Remove Utility Line, 6" pvc sanitary	90	lf	\$ 50.00	\$ 4,500	
Remove Utility Line, 6" water	75	lf	\$ 50.00	\$ 3,750	
Remove exterior light fixture and base	2	ea	\$ 500.00	\$ 1,000	
Earth Moving (Mass Earthwork)					
Rough grade parking and basin areas, average 1'-0" (240 cy)	42,000	sf	\$ 0.50	\$ 21,000	
Mass excavation, cut between 3' and 7' for retainage basin	533	cy	\$ 20.37	\$ 10,857	
Excavate & Backfill for Addition	853	cy	\$ 20.37	\$ 17,376	
Excavate and Backfill for Footings and Frost Walls				w/ Above	
Aggregate backfill under footings and slab on grade	75	cy	\$ 65.00	\$ 4,875	
Haul spoils	93	cy	\$ 30.00	\$ 2,790	
Footing Drains & Connect. Piping (Pipe, Fabric & Stone) - assumed	300	lf	\$ 69.44	\$ 20,833	
Rock Excavation, not required based on Geotech Report		NIC		None - Excluded	
Under slab trenching Allowance (Plumbing, Drainage, Conduits...)	200	lf	\$ 20.37	\$ 4,074	

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
Exterior Improvements					
Asphalt Paving					
Mill and Repave at parking lot areas identified	913	sy	\$ 30.00	\$ 27,390	
Mill and Repave entire parking lot - VE					
Standard Duty Bituminous (binder & finish)	788	sy	\$ 33.00	\$ 26,004	
Touch-Up & Proof Roll Subbase	788	sy	\$ 3.00	\$ 2,364	
Concrete Curb	1,596	lf	\$ 30.00	\$ 47,880	
Wheel Stops, none shown	1	ls	\$ 5,000.00	\$ 5,000	
Parking Space Striping					
Parking Spaces	51	ea	\$ 18.52	\$ 944	
H.C. Parking Spaces	4	ea	\$ 185.19	\$ 741	
Line Striping - Streets	60	lf	\$ 2.78	\$ 167	
Line Striping - Lot	1,200	lf	\$ 2.31	\$ 2,778	
Stop bars	20	lf	\$ 9.26	\$ 185	
Cross Walk Striping	600	sf	\$ 2.78	\$ 1,667	
Directional Arrow, symbols, etc.	4	ea	\$ 162.04	\$ 648	
Concrete Walks & Pavers					
Concrete Pavers					
Pavers 2-1/2" thick 5000 psi concrete on sand bed over concrete base		sf			None - Excluded
Heavy duty pavers 3" thick 5000 psi conc on sand bed over concrete base		sf			None - Excluded
Maintenance strip allowance	1,441	sf	\$ 45.00	\$ 64,845	
Maintenance strip edging	220	lf	\$ 10.00	\$ 2,200	
4" of 3/4" processed aggregate base		cy			None - Excluded
flush concrete curbing (precast) at perimeter of maintenance strip					None - Excluded
Concrete Sidewalks					
patch existing concrete walkway to remain					None - Excluded
5" thick reinforced concrete walks	4,820	sf	\$ 22.00	\$ 106,040	
8" thick reinforced concrete pad at dumpster	564	sf	\$ 22.00	\$ 12,408	
Base - 8" aggregate base (CT DOT Form 818, Section M.05.01), sidewalks (base for maintenance strip is above)	242	cy	\$ 40.00	\$ 9,684	
Rough Grade, all sidewalks and pavers, with Sitework					w/ Earthwork
Sculpture or memorial Pad, none shown	-	NIC			None - Excluded
Site Improvements					
Site Signage					
Signs - Exterior sign existing to remain					Existing to Remain
Signs - Stop, No Parking, HC, etc	10	allow	\$ 250.00	\$ 2,500	
Ground Building Sign Base, existing to remain					Existing to Remain
Dumpster Fence - Solid 6' High	55	lf	\$ 300.00	\$ 16,500	
4' high black chainlink fence	235	lf	\$ 60.00	\$ 14,100	
4' high black chainlink fence double gate	1	ea	\$ 700.00	\$ 700	
Flag Pole & Base, none shown					None - Excluded
Landscaping					
Shade Trees					
tree, existing 15" sycamore remains	1	ea			Existing to Remain
tree, existing deciduous tree at Rockwell remains	10	ea			Existing to Remain
tree, existing evergreen remains	11	ea			Existing to Remain
tree, existing memorial dogwood remains	1	ea			Existing to Remain
Shrubs					
Emerald Green Arborvitae, 7-8' height	14	ea	\$ 600.00	\$ 8,400	
24" to 30" Shrubs, deciduous	77	ea	\$ 138.89	\$ 10,694	
24" to 30" Shrubs, evergreen	87	ea	\$ 118.89	\$ 10,343	
Ground Cover / Lawns					
perennials/groundcover, size #1 container	408	ea	\$ 7.41	\$ 3,022	
new basin seed mix	808	sf	\$ 0.30	\$ 242	
new grass area	41,842	sf	\$ 0.15	\$ 6,276	
plant bed mix 18" deep, screened topsoil & compost	60	cy	\$ 50.00	\$ 3,000	
screened and amended topsoil 6" depth at lawn areas	100	cy	\$ 35.00	\$ 3,500	
mulch, double shredded hardwood bark, natural color, un-dyed	130	cy	\$ 150.00	\$ 19,500	
landscape edgings, alum, mill finish where plant beds abut lawn areas	989	lf	\$ 2.00	\$ 1,978	
Irrigation, none shown		NIC			None - Excluded

Estimate Detail	Qty	Unit	Unit Price	Subtotal	Total
Site Specialties Allowance (Benches, Trash Cans, Bike Racks)					
New bike rack to replace old bike rack removed during site demo	1	ea	\$ 2,000.00	\$ 2,000	
aluminum/wood benches, 6' long		ea	\$ 5,000.00	None - Excluded	
precast concrete seat pods	13	ea	\$ 3,000.00	\$ 39,000	
organic form precast concrete benches, children's reading garden	2	ea	\$ 2,500.00	\$ 5,000	
Utilities (pricing includes trenching/backfill)					
Water					
New Domestic water service				None - Excluded	
Reconnect water main capped from demo	1	ea	\$ 3,240.74	\$ 3,241	
new water main, size not indicated, allowance incl trenching & backfill	39	lf	\$ 200.00	\$ 7,800	
Hydrant Assembly & piping allowance, not shown	-	NIC	\$ -	None - Excluded	
Misc fitting with thrust blocks, not required	-	NIC	\$ -	None - Excluded	
Gas					
reconnect gas main to capped/valve from demo	1	ea	\$ 1,333.00	\$ 1,333	
new gas line, size not indicated, allowance incl trenching & backfill	85	lf	\$ 200.00	\$ 17,000	
Sanitary					
reconnect sanitary to existing SMH	1	ea	\$ 1,111.11	\$ 1,111	
new sanitary line	44	lf	\$ 95.00	\$ 4,180	
Storm					
New 8" HDPE	91	lf	\$ 66.00	\$ 6,006	
New 12' HDPE	320	lf	\$ 72.00	\$ 23,040	
New 15' HDPE	48	lf	\$ 75.00	\$ 3,600	
New 24' HDPE				None - Excluded	
Yard Drain	1	ea	\$ 3,990.74	\$ 3,991	
Area Drains (none shown; allow for drain & misc. piping)	2	allow	\$ 2,314.81	\$ 4,630	
storm connection at building	1	ea	\$ 2,314.81	\$ 2,315	
Catch Basin - new	4	ea	\$ 12,000.00	\$ 48,000	
Catch Basin - Change Top, Add Hood		ea		None - Excluded	
Suspended Solids Treatment Unit	1	ea	\$ 13,888.89	\$ 13,889	
Outfall at basin: FES 1, Riprap splash pad	1	ls	\$ 5,000.00	\$ 5,000	
Site Electric					
Conduit for charging stations, allowance	200	lf	\$ 45.00	\$ 9,000	
Site lighting allowance	1	ls	\$ 20,000.00	\$ 20,000	
Total Sitework, Landscaping & Utilities				\$	891,603