



Design Development Estimate

Hamilton Town Hall Preservation Design Project - Option A

Hamilton, MA

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Prepared for:

LLB Architects

September 20, 2019



Hamilton Town Hall
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MAIN CONSTRUCTION COST SUMMARY

	Construction Start	Gross Floor Area	\$/sf	Estimated Construction Cost
	Jun-20			
RENOVATE EXISTING TOWN HALL		11,733	\$328.91	\$3,859,140
HAZARDOUS MATERIALS ABATEMENT ¹				\$12,140
SITework				\$732,016
SUB-TOTAL		11,733	\$392.34	\$4,603,296
ESCALATION	3.0%			\$138,099
DESIGN AND PRICING CONTINGENCY	7.0%			\$322,231
SUB-TOTAL		11,733	\$431.57	\$5,063,626
GENERAL CONDITIONS/GR's	10.0%			\$506,363
BOND	1.15%			\$58,232
INSURANCE GL/PL	2.00%			\$101,273
PERMIT				Waived
OVERHEAD + FEE	5.00%			\$286,475
TOTAL OF ALL CONSTRUCTION		11,733	\$512.74	\$6,015,969

Alternates;

Slate shingle in lieu of asphalt shingle at sloped roof

\$181,959

Note ¹: Per Smith & Wessel Associates, Inc. Inspection Report dated March 4, 2019



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This Design Development cost estimate was produced from drawings, specifications and other documentation prepared by LLB Architects and their design team dated September 6, 2019. Design and engineering changes occurring subsequent to the issue of these documents have not been incorporated in this estimate.

This estimate includes all direct construction costs, general contractors overhead, fee and design contingency. Cost escalation assumes start dates indicated.

Bidding conditions are expected to be public bidding to pre-qualified general contractors, and pre-qualified sub-contractors, open specifications for materials and manufacturers.

The estimate is based on prevailing wage rates for construction in this market and represents a reasonable opinion of cost. It is not a prediction of the successful bid from a contractor as bids will vary due to fluctuating market conditions, errors and omissions, proprietary specifications, lack or surplus of bidders, perception of risk, etc. Consequently the estimate is expected to fall within the range of bids from a number of competitive contractors or subcontractors, however we do not warrant that bids or negotiated prices will not vary from the final construction cost estimate.

ITEMS NOT CONSIDERED IN THIS ESTIMATE

Items not included in this estimate are:

- Land acquisition, feasibility, and financing costs
- All professional fees and insurance
- Site or existing conditions surveys investigations costs, including to determine subsoil conditions
- All Furnishings, Fixtures and Equipment
- Items identified in the design as Not In Contract (NIC)
- Items identified in the design as by others
- Owner supplied and/or installed items as indicated in the estimate
- Utility company back charges (except as noted in site)
- Work to City streets and sidewalks, (except as noted in this estimate)
- Construction contingency
- Contaminated soils removal (as noted in Sitework)
- Gas Pumps



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CONSTRUCTION COST SUMMARY IN CSI FORMAT		<i>TOWN HALL RENOVATION</i>	<i>SITE WORK</i>	<i>Subtotal</i>	<i>Total</i>
Option A					
DIV. 2	EXISTING CONDITIONS		\$258,288		\$258,288
024000	Demolition				
025000	Selective Demolition	\$258,288		\$258,288	
025100	Hazardous Abatement				
DIV. 3	CONCRETE		\$130,110		\$130,110
033000	Cast-in-Place Concrete	\$130,110		\$130,110	
DIV. 4	MASONRY		\$189,275		\$189,275
040002	Unit Masonry	\$189,275		\$189,275	
DIV. 5	METALS		\$35,923		\$32,133
051000	Structural Steel	\$3,790			
054000	Cold Form Metal Framing				
055000	Metal Fabrications	\$32,133		\$32,133	
DIV. 6	WOODS & PLASTICS		\$540,553		\$540,553
060312	Historic Wood Repair	\$192,275		\$192,275	
061000	Rough Carpentry	\$158,898		\$158,898	
064100	Architectural Woodwork	\$189,380		\$189,380	
066600	Fiberglass Architectural Elements				
DIV. 7	THERMAL & MOISTURE PROTECTION		\$293,998		\$293,998
070001	Waterproofing, Dampproofing and	\$65,561		\$65,561	
070002	Roofing and Flashing	\$116,402		\$116,402	
072100	Thermal Insulation	\$110,862		\$110,862	
074623	Wood Siding				
078400	Firestopping	\$1,173		\$1,173	
079500	Expansion joint covers				
DIV. 8	DOORS & WINDOWS		\$213,405		\$213,405
081110	Doors, Frames and Hardware	\$78,700		\$78,700	
083100	Access Doors and Frames	\$1,000		\$1,000	
083313	Coiling Doors				
085200	Wood Windows	\$91,080		\$91,080	
087100	Door Hardware	\$40,000		\$40,000	
088000	Glazing	\$2,625		\$2,625	
089000	Louvers				
DIV. 9	FINISHES		\$605,478		\$605,478
090560	Common Work Results for Flooring				
090002	Tiling	\$31,900		\$31,900	
090003	Acoustical Ceilings	\$51,760		\$51,760	
090005	Resilient Flooring	\$47,091		\$47,091	
090007	Painting	\$134,776		\$134,776	
091230	Plaster Patching and Repair	\$83,599		\$83,599	
092900	Gypsum Board Assemblies	\$212,582		\$212,582	
096560	Wood Flooring	\$11,580		\$11,580	
096810	Carpet	\$32,190		\$32,190	
DIV. 10	SPECIALTIES		\$32,645		\$32,645
101100	Visual Display Surfaces	\$3,520		\$3,520	
101400	Signage	\$17,047		\$17,047	
102100	Toilet Compartments				
102800	Toilet Accessories	\$8,558		\$8,558	
104400	Fire Protection Specialties	\$2,000		\$2,000	
105123	Lockers	\$1,520		\$1,520	
DIV. 11	EQUIPMENT		\$9,750		\$9,750
111600	Vault Door	\$6,250		\$6,250	
115213	Projection Screens	\$3,500		\$3,500	
DIV. 12	FURNISHINGS		\$16,310		\$16,310
122100	Window Shades	\$16,310		\$16,310	
123553	Casework				
124810	Entrance Floor Mats				



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CONSTRUCTION COST SUMMARY IN CSI FORMAT					
			TOWN HALL RENOVATION	SITE WORK	
					Subtotal
					Total
Option A					
DIV. 13 SPECIAL CONSTRUCTION					
DIV. 14 CONVEYING SYSTEMS					
142400	Passenger Elevators		\$240,000		\$240,000
DIV. 21 FIRE SUPPRESSION					
210000	Fire Protection		\$103,645		\$103,645
DIV. 22 PLUMBING					
220000	Plumbing		\$197,700		\$197,700
DIV. 23 HVAC					
230000	HVAC		\$529,327		\$529,327
DIV. 26 ELECTRICAL					
260000	Electrical		\$408,134	\$73,350	\$481,484
DIV. 31 EARTHWORK					
311000	Site Preparation			\$128,095	\$128,095
312000	Earthwork	\$54,599		\$40,100	\$94,699
312500	Erosion control			\$9,500	\$9,500
316600	Ground Improvement				
DIV. 32 EXTERIOR IMPROVEMENTS					
320000	Paving			\$207,881	\$207,881
323000	Site Improvements			\$32,025	\$32,025
329200	Landscaping			\$31,465	\$31,465
DIV. 33 UTILITIES					
331000	Water Utilities			\$38,050	\$38,050
333000	Sanitary Sewerage Utilities			\$86,950	\$86,950
334000	Storm Drainage Utilities			\$80,200	\$80,200
335000	Gas services			\$4,400	\$4,400
SUBTOTAL DIRECT (TRADE) COST			\$3,859,140	\$732,016	\$4,587,366



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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Option A

GROSS FLOOR AREA CALCULATION

1								
2								
3	Lower Level				3,649			
4	First Floor				4,021			
5	Second Floor & Mezzanine				4,063			
6	Mezzanine (400sf non-occupiable)				n/a			
7								
8	TOTAL GROSS FLOOR AREA (GFA)					11,733	sf	
9								
10								

02 - EXISTING CONDITIONS

11	02 - EXISTING CONDITIONS						
12							
13	024100	DEMOLITION				-	
14		SUBTOTAL					-
15							
16	025000	SELECTIVE DEMOLITION					
17	025000	<u>Exterior</u>					
18	025000	Remove existing french drain system	311	lf	5.00	1,555	
19	025000	A10- Remove door and frame	3	ea	500.00	1,500	
20	025000	B2- Remove sidelights	36	sf	8.00	288	
21	025000	B2- Remove windows including quarry tile window sill	2	ea	400.00	800	
22	025000	B4- Remove fascia	276	lf	8.00	2,208	
23	025000	B6- Remove fire escape and related foundation	1	ea	5,000.00	5,000	
24	025000	B6- Remove wood steps and rails	83	lfr	15.00	1,245	
25	025000	B8- Remove portions of building foundation	30	sf	75.00	2,250	
26	025000	B15- Remove ramp and accessories (including foundations)	1	ea	2,500.00	2,500	
27	025000	B21- Remove walls/roof to basement dog house	1	ea	1,500.00	1,500	
28	025000	B22- Remove roof canopy/overhang and foundation	1	ea	2,500.00	2,500	
29	025000	B26- carefully remove corner and skirt trim board	900	lf	3.50	3,150	
30	025000	C9- Remove wall mounted light	3	ea	50.00	150	
31	025000	D4- Remove wall exhaust system	2	ea	50.00	100	
32	025000	D15- Remove wall mounted conduits and wires	4	loc	300.00	1,200	
33	025000	Remove gutter	273	lf	2.00	546	
34	025000	Remove downspout	343	lf	1.00	343	
35	025000	Misc. exterior demolition	1	ls	5,000.00	5,000	
36	025000	Remove rooftop exhaust fan	1	loc	1,500.00	1,500	
37		<u>Structural</u>					
38	025000	Demo and remove slab on grade at new Vault, elevator pit & bathrooms	500	sf	10.00	5,000	
39	025000	Demo and remove floor joists amd decking in its entirety	2,120	sf	15.00	31,800	
40	025000	<u>Interior</u>					
41	025000	A10; Demo and remove existing door, frame and threshold	45	ea	200.00	9,000	
42	025000	A23; Remove and salvage existing door, frame and trim	12	ea	350.00	4,200	
43	025000	B6; Demo and remove stair in its entirety including main stair	5	flts	2,000.00	10,000	
44	025000	B6; Demo and remove stair to mezzanine	2	flts	1,500.00	3,000	
45	025000	Demolition of act ceilings	5,255	sf	1.50	7,883	
46	025000	Demolition of gwb ceilings	3,285	sf	2.00	6,570	
47	025000	Demolition of floor finishes	7,389	sf	1.50	11,084	
48	25000	A9; Demolition of interior walls	9,875	sf	5.00	49,375	
49	25000	Demolition of office partitions & doors	225	lf	15.00	3,375	



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Option A								
50	25000	A20; Remove, salvage & store existing historic trim in Assessors office	500	sf	2.00	1,000		
51	25000	Remove miscellaneous equipment, casework and specialties	11,733	gsf	0.50	5,867		
52	25000	Miscellaneous demolition/protection/shoring including shoring at elevator shaft amd removed stairs	11,733	gsf	2.50	29,333		
53	25000	Remove cut and capped MEP equipment, fixtures & fittings including radiators	11,733	sf	2.00	23,466		
54	25000	Cleaning/dust control etc. - allowance	1	ls	24,000.00	24,000		
55		SUBTOTAL					258,288	
56								
57	025100	HAZARDOUS ABATEMENT				-		
58		SUBTOTAL					-	
59								
60	TOTAL - DEMOLITION							\$258,288
61								
62								
63	03 - CONCRETE							
64								
65		Entry steps						
66		<u>Footings; 2'x1'</u>						
67	033000	Formwork	60	sf	20.00	1,200		
68	033000	Re-bar	72	lbs.	1.50	108		
69	033000	Concrete material; 4,000 psi	2	cy	150.00	300		
70	033000	Placing concrete	2	cy	75.00	150		
71		<u>Walls; 8" thick</u>						
72	033000	Formwork	336	sf	20.00	6,720		
73	033000	Re-bar; #4 @ 12"EWEF	672	lbs.	1.50	1,008		
74	033000	Concrete material; 4,000 psi	4	cy	150.00	600		
75	033000	Placing concrete	4	cy	75.00	300		
76	033000	Concrete tread/riser	60	lf	35.00	2,100		
77	033000	5" Slab on grade at landing	65	sf	15.00	975		
78	033000	Architectural concrete finish to walls, treads, risers & landing	1	ls	2,000.00	2,000		
79								
80	033000	Allowance for underpinning at footings adjacent to new elevator pit	7	cy	3,000.00	21,000		
81								
82	033000	Spread footings; 2'x2'x1'	1	ea	1,000.00	1,000		
83	033000	Set anchor bolts grout plates	1	ea	165.00	165		
84								
85	033000	<u>Elevator pit walls; 12" thick</u>						
86	033000	Formwork	400	sf	20.00	8,000		
87	033000	Re-bar; #4 @ 12"EWEF	800	lbs.	1.50	1,200		
88	033000	Concrete material; 4,000 psi	8	cy	140.00	1,120		
89	033000	Placing concrete	8	cy	150.00	1,200		
90	033000	<u>Elevator pit slab; 15" thick</u>						
91	033000	Formwork	50	sf	20.00	1,000		
92	033000	Re-bar; #6 @ 9" T+B EW	960	lbs.	1.50	1,440		
93	033000	WWF reinforcing	138	lbs.	1.00	138		
94	033000	Concrete material; 4,000 psi	7	cy	140.00	980		
95	033000	Placing concrete	7	cy	150.00	1,050		
96	033000	Premium for sump pit; 18"x18"x18"	1	ea	750.00	750		
97	033000	Dowel into existing slab	33	loc	100.00	3,300		
98								
99	033000	<u>Vault roof; 12" thick</u>						
100	033000	Formwork	275	sf	22.00	6,050		
101	033000	Re-bar; #4 @ 12"EWEF	1,075	lbs.	1.50	1,613		



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Option A

102	033000	Concrete material; 4,000 psi	8	cy	140.00	1,120	
103	033000	Placing concrete	8	cy	150.00	1,200	
104	033000	<u>Vault wall; 12" thick</u>					
105	033000	Formwork	972	sf	20.00	19,440	
106	033000	Re-bar; #4 @ 12"EWEF	1,944	lbs.	1.50	2,916	
107	033000	Concrete material; 4,000 psi	19	cy	140.00	2,660	
108	033000	Placing concrete	19	cy	150.00	2,850	
109	033000	<u>Vault slab; 12" thick</u>					
110	033000	Formwork	60	sf	20.00	1,200	
111	033000	Re-bar; #4 @ 12"EWEF	860	lbs.	1.50	1,290	
112	033000	WWF reinforcing	247	lbs.	1.00	247	
113	033000	Concrete material; 4,000 psi	8	cy	140.00	1,120	
114	033000	Placing concrete	8	cy	150.00	1,200	
115	033000	Dowel into existing slab	40	loc	100.00	4,000	
116							
117	033000	Patch concrete slab disturbed at new work	500	sf	20.00	10,000	
118	033000	Allowance for equipment pads	1	ls	1,500.00	1,500	
119							
120	033000	Resurfacing and patching of concrete slabs at lower level to receive new floor finish	3,100	sf	4.00	12,400	
121							
122	033000	Normal weight topping slab, WWF reinforcing at elevator shaft roof; 6 1/2" total thickness	150	sf	10.00	1,500	
123		SUBTOTAL					130,110
124							
125	TOTAL - CONCRETE						\$130,110

04 - MASONRY

130	042000	Infill foundation wall; 12" CMU including dowels into existing	63	sf	45.00	2,835	
131	042000	Repoint chimney	226	sf	50.00	11,300	
132	042000	Prep and re-point existing foundation	2,799	sf	35.00	97,965	
133	042000	Parge coat existing foundation	2,799	sf	10.00	27,990	
134	042000	Fieldstone patch at infilled foundation wall	63	sf	75.00	4,725	
135							
136		<u>Interior Walls</u>					
137	042000	Mo8-o6G; Elevator shaft; 8" CMU, 2 hr	1,482	sf	30.00	44,460	
138		SUBTOTAL					189,275
139							
140	TOTAL - MASONRY						\$189,275

05 - METALS

144	051000 STRUCTURAL STEEL						
145	051000	C1; HSS 4x4x1/4	164	lbs.	4.00	656	
146	051000	W8x18 beam with HSS 3x2x1/4" perimeter support at elevator shaft	596	lbs.	4.00	2,384	
147	051000	2" Metal deck at elevator shaft roof	150	sf	5.00	750	
148		SUBTOTAL					3,790
149							
150	054000 COLD FORM METAL FRAMING						
151		SUBTOTAL					-
152							
153	055000 METAL FABRICATIONS						
154	055000	Decorative metal guardrail at entry stair	18	lf	400.00	7,200	



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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Option A

155	055000	Wire partition	30	lf	300.00	9,000	
156	055000	Premium for single leaf gate at wire partition	2	ea	500.00	1,000	
157	055000	Pit ladder	1	ea	2,500.00	2,500	
158	055000	Sill angle	28	lf	25.00	700	
159	055000	Miscellaneous metals throughout building	11,733	gsf	1.00	11,733	
160		SUBTOTAL					32,133

TOTAL - METALS							\$35,923
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06 - WOOD, PLASTICS AND COMPOSITES							
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060312 HISTORIC WOOD REPAIR

Exterior

169	060312	Replace cupola balustrade rail	60	lf	300.00	18,000	
170	060312	Replace cupola spire - allowance	1	ls	3,000.00	3,000	
171	060312	Reinstall stored on site Eagle weathervane	1	ls	500.00	500	
172	060312	New corner and skirt trim boards	900	lf	35.00	31,500	
173	060312	Allowance for new upper fascia (soffit to remain)	273	lf	75.00	20,475	
174	060312	Allowance to replace dentil molding; 20%	55	lf	45.00	2,475	
175	060312	GC to 25% wood clap board replacement	1,459	sf	35.00	51,065	
176	060312	Replace existing trim; 20%	180	lf	18.00	3,240	
177	060312	New 12" tapered wood columns; 9'-10"	4	ea	2,000.00	8,000	
178	060312	New bead board at awnings canopy	91	sf	20.00	1,820	
179	060312	New dental to match existing	67	lf	40.00	2,680	
180	060312	New door/window trim to match existing	72	lf	50.00	3,600	
181	060312	New fascia trim at new canopy/awning	47	lf	50.00	2,350	
182	060312	New wood panel trim at new entry canopy	102	sf	35.00	3,570	
183	060312	Staging/access	1	ls	30,000.00	30,000	
184	060312	Premium for staging at cupola and chimney	1	ls	10,000.00	10,000	
185		SUBTOTAL					192,275

061000 ROUGH CARPENTRY

Lower level

189	061000	2x4" @ 16" oc Wood stud cripple walls	120	sf	9.00	1,080	
190	061000	2x8 floor infill at 16" oc	80	sf	10.00	800	
191	061000	Ledger at perimeter	25	lf	10.00	250	
192	061000	3/4" Plywood sheathing	80	sf	4.00	320	

First floor

194	061000	Post P5; 5 1/4"x5 1/4"	12	lf	20.00	240	
195	061000	Post P6; 6"x6"	24	lf	22.00	528	
196	061000	2- 2x12" Ledger	76	lf	16.00	1,216	
197	061000	3- 2x12" Ledger	10	lf	24.00	240	
198	061000	3 1/2"x11 7/8" LVL	30	lf	30.00	900	
199	061000	2x12 floor infill at 16" oc	260	sf	15.00	3,900	
200	061000	3/4" Plywood sheathing	260	sf	4.00	1,040	

2nd floor

202	061000	2- 2x12" Ledger	30	lf	16.00	480	
203	061000	2- 2x10 Header	13	lf	15.00	195	
204	061000	3 1/2"x 7 1/4" LVL	23	lf	25.00	575	
205	061000	3 1/2"x11 7/8" LVL	65	lf	30.00	1,950	
206	061000	3 1/2"x14" LVL	20	lf	32.00	640	
207	061000	5 1/4"x 11 7/8" LVL	45	lf	35.00	1,575	
208	061000	5 1/4"x 16" LVL	30	lf	40.00	1,200	
209	061000	11 7/8" AJS 25'S @ 16'oc	1,340	sf	18.00	24,120	



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
Option A							
210	061000 Sister 1 3/4"x11 7/8" LVL to existing joists (assume @ 16" oc; 1100sf)	840	lf	12.00	10,080		
211	061000 3/4" Plywood sheathing	1,340	sf	4.00	5,360		
212	061000 <u>Entry canopy roof</u>						
213	061000 Post P1; 2- 2x6	20	lf	22.00	440		
214	061000 3- 2x8	40	lf	16.00	640		
215	061000 2- 2x10	10	lf	15.00	150		
216	061000 3- 2x12" Ledger	20	lf	24.00	480		
217	061000 3 1/2"x11 7/8" LVL	60	lf	30.00	1,800		
218	061000 2x8 fanning infill at 16" oc	121	sf	10.00	1,210		
219	061000 5/8" Plywood sheathing	121	sf	3.75	454		
220	061000 <u>Miscellaneous</u>						
221	061000 Allowance for miscellaneous headers, posts, blocking, hangers etc.	1,801	sf	3.00	5,403		
222	061000 <u>Attic</u>						
223	061000 New 1 1/2" diam tie rod w/ turnbuckle and hanger support @ 1/3 points at existing roof trusses	8	ea	750.00	6,000		
224	061000 Contractor to investigate attic framing and provide supplemental supports as required - allow	4,000	sf	6.00	24,000		
225	061000 <u>Exterior</u>						
226	061000 Infill exterior wall at old openings 2x6" wood stud backup	120	sf	9.00	1,080		
227	061000 Wall sheathing	120	sf	3.00	360		
228	061000 Wood blocking at exterior windows and doors	64	lf	6.00	384		
229	061000 Infill framing and patch sheathing at removed exhaust	36	sf	30.00	1,080		
230	061000 Allowance to remove and replace 20% of roof sheathing	950	sf	8.00	7,600		
231	061000 Allowance for miscellaneous blocking at new roof panels	4,751	sf	0.50	2,376		
232	061000 <u>Miscellaneous interiors</u>						
233	061000 Wood stair; stringer, treads, risers & landings	4	flt	8,000.00	32,000		
234	061000 Rough blocking at partitions	1,494	lf	3.00	4,482		
235	061000 Wood blocking at interiors	11,733	gsf	0.75	8,800		
236	061000 Wood blocking at interior doors	680	lf	4.00	2,720		
237	061000 Backer panels in electrical closets	1	ls	750.00	750		
238	061000 SUBTOTAL					158,898	
239							
240	064020 ARCHITECTURAL WOODWORK						
347	064100 Install new door and hardware	42	ea	300.00	12,600		
348	064100 Install new door frame	42	ea	150.00	6,300		
349	064100 Install relocated stile and rail door in existing frame	12	ea	500.00	6,000		
241	064100 Wood stair rail w/ handrail	112	lf	190.00	21,280		
242	064100 Wood stair wall handrail	90	lf	80.00	7,200		
243	064100 Balustrade system to match existing adjacent (C2/A8.03)	72	lf	280.00	20,160		
244	064100 New window and door trim to match existing	260	lf	40.00	10,400		
245	064100 WB-1; Wood base, to match historic, 6 3/4"	384	lf	30.00	11,520		
246	064100 <u>Trim: reuse salvaged trim where possible</u>						
247	064100 Wainscot at public windows and at meeting room wall infills; match existing historic hall wainscot panels	100	sf	90.00	9,000		
248	064100 Refinish and repair existing wainscot everywhere radiators have been removed - allow	24	loc	900.00	21,600		
249	064100 Wood chair rail	384	lf	30.00	11,520		
250	064100 Wood picture rail/ ceiling trim	495	lf	30.00	14,850		
251	064100 <u>Casework</u>						
252	064100 <u>Breakroom</u>						
253	064100 Plam counter on wood bracket supports	6	lf	175.00	1,050		
254	064100 <u>Building Department</u>						
255	064100 Plam counter on wood bracket supports	11	lf	175.00	1,925		



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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Option A

256	064100	Wall cabinet	15	lf	250.00	3,750		
257	064100	<u>Workroom</u>						
258	064100	Solid surface counter on supports	8	lf	400.00	3,200		
259	064100	<u>Treasurer Department</u>						
260	064100	Solid surface counter on supports	24	lf	400.00	9,600		
261	064100	Wall cabinet	10	lf	250.00	2,500		
262	064100	<u>Kitchenette</u>	2	loc				
263	064100	Base cabinet w/ plam counter	15	lf	400.00	6,000		
264	064100	Wall cabinet	15	lf	250.00	3,750		
265	064100	<u>Assessor Department</u>						
266	064100	Solid surface service counter	9	lf	400.00	3,600		
267	064100	<u>Community Preservation Planner</u>						
268	064100	Plam counter on wood bracket supports	9	lf	175.00	1,575		
269		SUBTOTAL					189,380	
270								
271	066600	FIBERGLASS ARCHITECTURAL ELEMENTS						
272		SUBTOTAL					-	
273								
274	TOTAL - WOOD, PLASTICS AND COMPOSITES							\$540,553
275								
276								
277	07 - THERMAL AND MOISTURE PROTECTION							
278								
279	070001	WATERPROOFING, DAMPPROOFING AND CAULKING						
280	070001	Metallic waterproofing at elevator pit	350	sf	14.00	4,900		
281	070001	Vapor barrier at interior face of basement wall per partition type S02	2,799	sf	1.50	4,199		
282	070001	Waterproof at existing foundation	2,799	sf	10.00	27,990		
283	070001	Drainage board at existing foundation	2,799	sf	3.00	8,397		
284	070001	Air barrier/flashing at windows	64	lf	6.25	400		
285	070001	Air barrier/flashing at wall infill	120	sf	6.25	750		
286	070001	Misc flashing at new corner and skirt boards	900	lf	5.00	4,500		
287	070001	Miscellaneous sealants to closure	2,799	sf	1.00	2,799		
288	070001	Backer rod & double sealant at exterior doors	34	lf	9.00	306		
289		<u>Interior</u>						
290	070001	Miscellaneous sealants at partitions	1,251	lf	3.00	3,753		
291	070001	Backer rod & double sealant at interior doors	680	lf	2.50	1,700		
292	070001	Miscellaneous sealants throughout building	11,733	gsf	0.50	5,867		
293		SUBTOTAL					65,561	
294								
295	070002	ROOFING AND FLASHING						
296	070002	<u>Flat roof</u>						
297	070002	Remove EPDM roof system including edge metal flashing	227	sf	5.00	1,135		
298	070002	New EPDM roofing membrane	227	sf	15.00	3,405		
299	070002	Protection board	227	sf	3.00	681		
300	070002	6" Rigid insulation	227	sf	8.00	1,816		
301	070002	Reinforced vapor barrier	227	sf	2.00	454		
302	070002	<u>Sloped roof</u>						
303	070002	Remove existing roof asphalt roof, gutters and drip edge	4,630	sf	4.00	18,520		
304	070002	New architectural asphalt roof including ice and water shield	4,751	sf	9.00	42,759		
305	072100	5 1/2" Nail board insulation	4,751	sf	12.00	57,012		
306	070002	Reinforced vapor barrier	4,751	sf	2.00	9,502		
307	070002	<u>Miscellaneous Roofing</u>						



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
Option A								
308	070002	Roof edge at flat roof	106	lf	35.00	3,710		
309	070002	Stainless steel snow guard hooks (assumes 12" oc)	273	ea	14.00	3,822		
310	070002	Roof to wall flashing	85	lf	20.00	1,700		
311	070002	Roof to wall flashing at cupola	23	lf	25.00	575		
312	070002	Miscellaneous flashings	4,978	sf	1.00	4,978		
313	070002	Elevator ventilation unit	1	ea	3,500.00	3,500		
314	070002	Aluminum gutter	273	lf	35.00	9,555		
315	070002	Aluminum downspout	343	lf	30.00	10,290		
316		SUBTOTAL					173,414	
317								
318	072100	THERMAL INSULATION						
319	072100	Insulation at foundations, 2" rigid	2,799	sf	3.00	8,397		
320		<u>Exterior</u>						
321	072100	Insulation at wall infill	120	sf	5.00	600		
322	072100	Blown-in cellulose insulation	12,152	sf	3.00	36,456		
323		<u>Interior</u>						
324	072100	2" Rigid insulation at basement level interior face of exterior wall	2,799	sf	3.00	8,397		
325		SUBTOTAL					53,850	
326								
327	078400	FIRESTOPPING						
328	078400	Fire stopping - allow	11,733	gsf	0.10	1,173		
329		SUBTOTAL					1,173	
330								
331	TOTAL - THERMAL AND MOISTURE PROTECTION							\$293,998
332								
333								
334	08 - OPENINGS							
335								
336	081100	DOORS, FRAMES AND HARDWARE						
337		<u>Exterior Doors</u>						
338	081110	Frame type 3, single, to match existing historic frames	2	ea	3,060.00	6,120		
339	081110	Wood door type 3, single leaf, wood/glazed	1	ea	5,000.00	5,000		
340	081110	Wood door type 4, single leaf, stile & rail	1	ea	6,500.00	6,500		
341	081110	<u>Frames</u>						
342	081110	Single leaf wood door frame, WD1	36	ea	680.00	24,480		
343	081110	Single leaf wood door frame, WD2, historic, to match existing	4	ea	2,550.00	10,200		
344	081110	<u>Door</u>						
345	081110	Wood door type D1, solid wood panel, single leaf	36	ea	600.00	21,600		
346	081110	Wood door type D2, wood panel, to match existing historic, single leaf	4	ea	1,200.00	4,800		
350		SUBTOTAL					78,700	
351								
352	083100	ACCESS DOORS AND FRAMES						
353	083100	Access doors/ panels - allow	1	ls	1,000.00	1,000		
354		SUBTOTAL					1,000	
355								
356	085200	WINDOWS						
357	85200	New wood window historic	18	sf	180.00	3,240		
358	85200	New storm windows design appropriate to match historic windows	2,450	sf	30.00	73,500		
358	85200	New wood side light and transom w/historic at exterior	22	sf	220.00	4,840		



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
Option A								
359	85200 Wood frame storefront at sliding glass transaction window; 9' wide	1	ea	5,000.00	5,000			
360	85200 Wood frame storefront at sliding glass transaction window; 7' wide	1	ea	4,500.00	4,500			
361						91,080		
362								
363	087100 DOOR HARDWARE							
364	087100 Exterior door hardware	2	leaf	2,000.00	4,000			
365	087100 Auto door opener	2	ea	3,000.00	6,000			
366	087100 Interior door hardware	40	leaf	750.00	30,000			
367						40,000		
368								
369	088000 GLASS AND GLAZING							
370	88000 Door glazing	75	sf	35.00	2,625			
371						2,625		
372								
373	089000 FIXED LOUVERS							
374						-		
375								
376	TOTAL - OPENINGS							\$213,405
377								
378								
379	09 - FINISHES							
380								
381	090560 COMMON WORK RESULTS FOR FLOORING							
382	Included w/ 033000 concrete							
383						-		
384								
385	090002 TILE							
386	090002 Ceramic tile floor	380	sf	25.00	9,500			
387	090002 Tile base; WB3	200	lf	14.00	2,800			
388	090002 Wall tile in bathrooms	800	sf	23.00	18,400			
389	090002 Marble threshold	6	ea	200.00	1,200			
390						31,900		
391								
392	090003 ACT							
393	090003 ACT 2x2	6,470	sf	8.00	51,760			
394						51,760		
395								
396	090005 RESILIENT FLOORS							
397	090005 Rubber floor landings	730	sf	16.00	11,680			
398	090005 Rubber treads	294	lf	22.00	6,468			
399	090005 Linoleum sheet flooring, 2.5mm	2,335	sf	7.50	17,513			
400	090005 WB-2; Resilient base	2,364	lf	2.50	5,910			
401	090005 Existing to remain floors; protect & clean	1,840	sf	3.00	5,520			
402						47,091		
403								
404	090007 PAINTING							
405	090007 <u>Exterior painting</u>							
406	090007 Scrape prime and paint clapboard	5,837	sf	5.00	29,185			
407	090007 Prep and paint ex. wood dental at roof soffit	324	lf	4.00	1,296			
408	090007 Prep and paint ex. wood rail above north entry	17	lf	30.00	510			
409	090007 Paint new wood rail at cupola	60	lf	8.00	480			
410	090007 Prep & paint existing to remain entrance door and frame	4	lvs	500.00	2,000			
411	090007 Prep and paint panel details and trim	512	sf	8.00	4,096			



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
Option A							
412	090007	Prep and paint window and door trim	1,440	lf	5.00	7,200	
413	090007	Paint new corner and skirt boards	900	lf	6.00	5,400	
414	090007	Existing cupola; scrape bare, prime and repaint - allow (staging separate)	1	ls	5,120.00	5,120	
415	090007	<u>Interior painting</u>					
416	090007	Paint to GWB walls	25,311	sf	1.00	25,311	
417	090007	Prep & paint ETR walls	10,065	sf	1.50	15,098	
418	090007	Prep & paint ETR ceilings	580	sf	1.50	870	
419	090007	Paint to gwb ceilings & soffits	1,740	sf	1.50	2,610	
420	090007	Prep & stain/paint new door and frame	40	lvs	150.00	6,000	
421	090007	Prep & stain/paint and restore existing to remain interior door and frame	6	lvs	500.00	3,000	
422	090007	Prep and stain/paint and restore relocated door and existing frame	12	lvs	750.00	9,000	
423	090007	Stain/paint interior trim - base, trim, crown molding & wainscot - new & existing	11,733	gsf	1.00	11,733	
424	090007	Interior painting/touch-up	11,733	gsf	0.50	5,867	
425		SUBTOTAL					134,776
426							
427	091230	PLASTER PATCHING AND REPAIR					
428	091230	Allowance to patch existing walls to remain; plaster patching including at removed radiators (approx. 24 loc)	11,733	gsf	3.00	35,199	
429	091230	Patch veneer plaster ceiling at 2nd floor meeting room disturbed by new work; 18' high including staging	2,020	sf	20.00	40,400	
430	091230	Veneer plaster (on new gwb ceiling) at mezzanine; 18' high including	400	sf	20.00	8,000	
431		SUBTOTAL					83,599
432							
433	092900	GWB					
434	092900	<u>Interior Partitions</u>					
435	092900	Drywall lining to interior face of stud backup at exterior wall infill	120	sf	3.50	420	
436	092900	So2-03G; furring to interior face of exterior wall; 2 5/8" MS, 1 layer drywall (insulation and waterproofing in Div 07)	2,613	sf	7.50	19,598	
437	092900	Wo4-02G; Interior partition; 2x4 wood stud, 1 layer GWB b/s, insulation	10,332	sf	11.00	113,652	
438	092900	Wo4-To3G; Interior partition; 2x4 wood stud, 1 layer GWB b/s, insulation	276	sf	11.00	3,036	
439	092900	Mo8-06G; Interior partition; 1 layer GWB on furring at elevator shaft	1,482	sf	5.00	7,410	
440	092900	Allowance to patch existing walls to remain	11,733	gsf	2.00	23,466	
441	092900	<u>Ceilings</u>					
442	092900	GWB ceiling, "Chicago style"	1,700	sf	14.00	23,800	
444	092900	Premium for ceiling at mezzanine; match existing historic ceiling shape in Meeting room	400	sf	6.00	2,400	
443	092900	GWB soffit - allow	40	lf	30.00	1,200	
445	092900	Allowance to protect one of a kind murals, woodwork, muslin wall covering, bronze doors, plaques, paintings, doors, electrical fixtures, fireplaces etc.	11,733	gsf	1.50	17,600	
446		SUBTOTAL					212,582
447							
448	096560	WOOD FLOORING					
449	096560	Refinish existing to remain wood floor	1,930	sf	6.00	11,580	
450		SUBTOTAL					11,580



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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Option A

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096810	TILE CARPETING						
96810	Carpet	4,540	sf	6.50	29,510		
96810	Walk-off carpet tile in vestibules	134	sf	20.00	2,680		
	SUBTOTAL					32,190	
TOTAL - FINISHES							\$605,478

10 - SPECIALTIES

101100	VISUAL DISPLAY BOARDS						
101100	Marker boards/ tack board allowance	11,733	gsf	0.30	3,520		
	SUBTOTAL					3,520	
101400	SIGNAGE						
101400	Room Signs	60	loc	120.00	7,200		
101400	Code signage	11,733	gsf	0.20	2,347		
101400	Dedication plaque				assume ETR		
101400	Exterior signage at exterior doors/entrances- allowance	1	ls	7,500.00	7,500		
	SUBTOTAL					17,047	
102110	TOILET COMPARTMENTS						
	SUBTOTAL					-	
102800	TOILET ACCESSORIES						
102800	Toilet tissue dispenser	6	ea	100.00	600		
102800	Soap dispenser	6	ea	60.00	360		
102800	Combination paper towel dispenser & disposal	6	ea	490.00	2,940		
102800	Mirror	6	ea	145.00	870		
102800	Grab bars	6	sets	120.00	720		
102800	Robe hook	12	ea	14.00	168		
102800	Shower accessories including folding seats	2	ea	1,200.00	2,400		
102800	Janitors closet accessories - allow	1	rms	500.00	500		
	SUBTOTAL					8,558	
104400	FIRE PROTECTION SPECIALTIES						
104400	Fire extinguisher cabinets	1	ls	2,000.00	2,000		
	SUBTOTAL					2,000	
105123	LOCKERS						
105123	Metal lockers, single tier, 18"x18"x72"	8	ope	190.00	1,520		
	SUBTOTAL					1,520	
TOTAL - SPECIALTIES							\$32,645

11 - EQUIPMENT

11160	VAULT DOOR						
111600	Vault door, complete	1	ea	6,250.00	6,250		
	SUBTOTAL					6,250	
115213	PROJECTION SCREENS						



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
Option A								
506	115213	78" Electrically operated projection screen in Meeting room & 1# 55" TV screen in Conference room	1	ls	3,500.00	3,500		
507		SUBTOTAL				3,500		
TOTAL - EQUIPMENT							\$9,750	
12 - FURNISHINGS								
122410 WINDOW TREATMENT								
515	122100	Roller window shades	2,330	sf	7.00	16,310		
516		SUBTOTAL				16,310		
123000 FIXED CASEWORK								
519		SUBTOTAL				-		
124810 ENTRANCE MATS								
522	124810	Included w/ Carpet						
523		SUBTOTAL				-		
TOTAL - FURNISHINGS							\$16,310	
14 - CONVEYING SYSTEMS								
144000 ELEVATORS								
531	142400	Holeless hydraulic elevator, 4 stop, double sided; premium for existing building	1	ea	240,000.00	240,000		
532		SUBTOTAL				240,000		
TOTAL - CONVEYING							\$240,000	
21 - FIRE SUPPRESSION								
210000 FIRE PROTECTION								
540	210000	<u>Equipment</u>						
541	210000	Fire Pump				NR		
542	210000	Main Alarm check valve assembly	1	ea	5,000.00	5,000		
543	210000	Dry Alarm check valve assembly	1	ea	4,500.00	4,500		
544	210000	Double check valve assembly	1	ea	8,000.00	8,000		
545	210000	Fire department connection	1	ea	1,500.00	1,500		
546	210000	Zone control valve assembly	3	ea	2,500.00	7,500		
547	210000	Electric bell	1	ea	700.00	700		
548	210000	Air compressor assembly	1	ea	7,500.00	7,500		
549	210000	Sprinkler heads	124	ea	85.00	10,540		
550	210000	Sprinkler heads attic sidewall	15	ea	95.00	1,425		
551	210000	Main sprinkler piping with fittings & hangers	500	lf	33.00	16,500		
552	210000	Branch piping with fittings & hangers	990	lf	22.00	21,780		
553	210000	Dry sprinkler piping with fittings & hangers	180	lf	30.00	5,400		
554	210000	Miscellaneous valves, switches & accessories	1	ls	2,500.00	2,500		
555	210000	<u>Miscellaneous</u>						
556	210000	Coordination & BIM	1	ls	2,800.00	2,800		
557	210000	Hydraulic calculations	1	ls	3,000.00	3,000		
558	210000	Coring, sleeves & fire stopping	1	ls	2,000.00	2,000		
559	210000	Commissioning support	1	ls	2,000.00	2,000		
560	210000	Fees & permits	1	ls	1,000.00	1,000		



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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Option A

561 SUBTOTAL 103,645

562

563 **TOTAL - FIRE SUPPRESSION \$103,645**

564

565 **22 - PLUMBING**

566

567 **220000 PLUMBING**

568 Equipment

569	220000	Electric water heater 50 gallon	1	ea	7,000.00	7,000	
570	220000	Water meter assembly	1	ea	4,600.00	4,600	
571	220000	Backflow preventer	1	ea	4,500.00	4,500	
572	220000	Mixing valve	1	ea	5,500.00	5,500	
573	220000	Recirculating pump	1	ea	1,600.00	1,600	
574	220000	Duplex sewage ejector station	1	ea	7,500.00	7,500	
575	220000	Floor drain	1	ea	850.00	850	
576	220000	Hose bibb	2	ea	250.00	500	

577 Plumbing Fixtures & Specialties **Note: Fixture count taken from Architectural dwgs; 1 less bathroom shown**

578	220000	Water closet	6	ea	1,400.00	8,400	
579	220000	Shower with seat, valve & drain	2	ea	3,500.00	7,000	
580	220000	Lavatory	6	ea	1,100.00	6,600	
581	220000	Sink	3	ea	1,050.00	3,150	

582 Domestic Water

583	220000	Domestic water pipe with fittings & hangers	1,100	lf	40.00	44,000	
584	220000	Valves and accessories	1	ls	7,000.00	7,000	

585 Sanitary Waste And Vent Pipe

586	220000	Sanitary waste pipe with fittings & hangers	1,000	lf	50.00	50,000	
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587 Pipe Insulation

588	220000	Domestic water pipe insulation	1,000	lf	10.00	10,000	
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589 Miscellaneous

590	220000	Demolition	1	ls	10,000.00	10,000	
591	220000	Coordination & BIM	1	ls	8,000.00	8,000	
592	220000	Coring, sleeves & fire stopping	1	ls	4,000.00	4,000	
593	220000	Commissioning support	1	ls	2,000.00	2,000	
594	220000	Testing and sterilization	1	ls	3,500.00	3,500	
595	220000	Fees & permits	1	ls	2,000.00	2,000	

596 SUBTOTAL 197,700

597

598 **TOTAL - PLUMBING \$197,700**

599

601 **23 - HVAC**

602

603 **230000 HVAC**

604 Equipment

605	230000	VRF indoor unit	14	ea	2,800.00	39,200	
606	230000	VRF condensate pump	14	ea	180.00	2,520	
607	230000	Branch controller	2	ea	4,000.00	8,000	
608	230000	VRF air cooled condenser 18 ton	1	ea	32,625.00	32,625	
609	230000	HVAC equipment	11,733	gsf	1.00	11,733	

610 Air distribution

611	230000	ERV 1550 CFM	1	ea	15,500.00	15,500	
612	230000	Air distribution equipment	11,733	gsf	0.75	8,800	

613 Sheet metal & Accessories



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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Option A

614	230000	Galvanized steel ductwork	8,800	lb	15.00	132,000	
615	230000	Duct insulation	5,300	sf	5.00	26,500	
616	230000	GRD's	78	ea	125.00	9,750	
617	230000	Louvers	6.48	sf	350.00	2,268	
618	230000	Sheet metal accessories	1	ls	10,000.00	10,000	
619	230000	<u>Piping</u>					
620	230000	<u>Refrigerant Piping</u>					
621	230000	Refrigerant piping	1,700	lf	32.00	54,400	
622	230000	<u>Condensate Drain Piping</u>					
623	230000	Condensate drain piping with fittings & hangers	800	lf	24.00	19,200	
624	230000	<u>Piping Insulation</u>					
625	230000	Piping insulation	2,500	lf	10.00	25,000	
626	230000	<u>Automatic Temperature Controls</u>					
627	230000	Automatic temperature controls DDC	11,733	gsf	5.25	61,598	
628	230000	<u>Balancing</u>					
629	230000	System testing & balancing	11,733	gsf	1.00	11,733	
630	230000	<u>Miscellaneous</u>					
631	230000	Demolition	1	ls	10,000.00	10,000	
632	230000	Coordination & BIM	1	ls	16,000.00	16,000	
633	230000	Commissioning support	1	ls	8,000.00	8,000	
634	230000	Coring, sleeves & fire stopping	1	ls	5,000.00	5,000	
635	230000	Equipment start-up and inspection	1	ls	2,500.00	2,500	
636	230000	Rigging & equipment rental	1	ls	12,000.00	12,000	
637	230000	Vibration & seismic restraints	1	ls	5,000.00	5,000	
638		SUBTOTAL					529,327
639							
640		TOTAL - HVAC					\$529,327

26 - ELECTRICAL

260000 ELECTRICAL

647	260000	NORMAL POWER					
648	260000	NORMAL POWER					
649	260000	Meter socket	1	ea	350.00	350	
650	260000	800A CT/ Main Service section 120/208v	1	ea	10,500.00	10,500	
651	260000	800A Distribution Panel 120/208v	1	ea	8,500.00	8,500	
652	260000	225A panelboard	3	ea	2,350.00	7,050	
653	260000	800A feed					Site Work
654	260000	225A feed (allow)	200	lf	50.00	10,000	
655	260000	Service grounding	1	ls	2,500.00	2,500	
656	260000	EMERGENCY POWER					
657	260000	Emergency ballast only (per BER)					See Below
658	260000	Mechanical Equipment					
659	260000	Elevator 40HP 208v circuit & connection	1	ea	3,500.00	3,500	
660	260000	Elevator cab power & light circuit & connection	1	ea	1,500.00	1,500	
661	260000	Multi zone heat pump 15A 2P 208v circuit & connection	14	ea	450.00	6,300	
662	260000	VRF unit circuit & connection	14	ea	250.00	3,500	
663	260000	ACCU-208v circuit & connection	1	ea	2,500.00	2,500	
664	260000	ERV-1 110A 208v circuit & connection	1	ea	3,500.00	3,500	
665	260000	EWB-1 20A 2p 208v circuit & connection	1	ea	450.00	450	
666	260000	DCC-1 20A 2p 208v circuit & connection	1	ea	450.00	450	
667	260000	Duplex sewage pump circuit & connection	1	ea	1,500.00	1,500	
668	260000	Misc equipment feed and connections	1	ea	2,500.00	2,500	



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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Option A

669	260000						
						64,600	
670	260000						
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720	260000						

145,589



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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Option A

721	260000	Camera (PTZ)	1	ea	1,200.00	1,200	
722	260000	Camera (Stationary)	1	ea	750.00	750	
723	260000	Camera (WP)	8	ea	950.00	7,600	
724	260000	Card reader	2	ea	350.00	700	
725	260000	Keypad	2	ea	350.00	700	
726	260000	Glass break detector	28	ea	250.00	7,000	
727	260000	Motion sensor	6	ea	200.00	1,200	
728	260000	Device box	50	ea	28.00	1,400	
729	260000	3/4" EMT	1,500	lf	7.00	10,500	
730	260000	Cabling	7,500	lf	1.20	9,000	
731	260000	<u>Telephone/Data/CATV</u>					
732	260000	MDF closet Fit -Out	1	ls	6,500.00	6,500	
733	260000	Network switching, PBX (by owner per BTC)					By owner
734	260000	1-port device	3	ea	22.00	66	
735	260000	2-port device	37	ea	44.00	1,628	
736	260000	2-port device (AV)	4	ea	44.00	176	
737	260000	WAP	13	ea	500.00	6,500	
738	260000	Cat. 6 cable	16,000	lf	1.20	19,200	
739	260000	Device box with conduit stub to ceiling	44	ea	120.00	5,280	
740	260000	Cable tray	30	lf	60.00	1,800	
741	260000	4" sleeves	2	ea	225.00	450	
742	260000	<u>Public Address/Clock System</u>					
743	260000	Public Address/Clock System (NIC per BTC)					NIC
744	260000	<u>Audio Visual</u>					
745	260000	AV equipment					By Others
746	260000	AV control panel	2	ea			By Others
747	260000	Rough-In: conduit, backboxes & 120V power	6	ea	450.00	2,700	
748	260000	Projector screen feed and connction	1	ea	450.00	450	
749	260000	<u>Sound system in Meeting room only</u>					
750	260000	Amplifier, (9) speakers and cabling	1	ls	7,500.00	7,500	
751	260000	SUBTOTAL					160,445
752	260000						
753	260000	OTHER ELECTRICAL SYSTEMS					
754	260000	<u>Miscellaneous</u>					
755	260000	Lightning protection (NIC per BER)					NIC
756	260000	Seismic					NIC
757	260000	Demolition and make safe	1	ls	10,000.00	10,000	
758	260000	Extra materials (per spec)	1	ls	2,500.00	2,500	
759	260000	Temp power and lights	1	ls	7,500.00	7,500	
760	260000	Fire stopping	1	ls	1,500.00	1,500	
761	260000	Arc flash/Testing and studies	1	ls	2,500.00	2,500	
762	260000	Coordination, BIM	1	ls	7,500.00	7,500	
763	260000	Fees & Permits	1	ls	6,000.00	6,000	
764	260000	SUBTOTAL					37,500
765	260000						
766	260000	TOTAL -ELECTRICAL					\$408,134
767	260000						
768	31	EARTHWORK					
769	312000						
770	312000						
771	312000	EARTH WORK					
772	312000	<u>Entry Stair</u>					
773	312000	Excavation	27	cy	20.00	540	
774	312000	Store on site	27	cy	15.00	405	



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
Option A								
775	312000 Backfill with existing material	21	cy	12.00	252			
776								
777	312000 Excavation for interior spread footing - by hand	1	loc	900.00	900			
778								
779	<u>Elevator pit - by hand</u>							
780	312000 Excavation & remove	51	cy	150.00	7,650			
781	312000 Backfill with existing material	29	cy	45.00	1,305			
782								
783	<u>Vault - by hand</u>							
784	312000 Excavate & remove for new Vault slab	19	cy	150.00	2,850			
785	312000 Compacted granular fill, 12"	9	cy	45.00	405			
786	312000 Compact sub-grade	250	sf	1.00	250			
787								
788	<u>Excavation for new perimeter drainage</u>							
789	312000 Excavation	415	cy	45.00	18,675			
790	312000 Store on site	415	cy	15.00	6,225			
791	312000 Backfill with existing material	415	cy	20.00	8,300			
792	312000 Perimeter drain	311	lf	22.00	6,842			
793	SUBTOTAL					54,599		
794								
795	TOTAL, DIVISION 31 - EARTHWORK							\$54,599



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITework - OPTION A

31 EARTHWORK

311000 SITE PREPARATION

311000	Site construction fence - 6' high chain-link fence	1,000	lf	16.00	16,000		
311000	Construction gates	1	ls	2,000.00	2,000		
311000	Construction laydown/entrance	1	ls	4,000.00	4,000		
311000	Clear and grub existing brush/trees for new new salt truck unloading entrance/roadway	1	ls	3,000.00	3,000		
311000	Demo asphalt paving; salvage for mill & repave	46,730	sf	1.50	70,095		
311000	Miscellaneous site demolition	1	ls	5,000.00	5,000		
311000	Remove abandoned septic system	600	sf	3.00	1,800		
311000	Remove electrical service to pumps	80	lf	15.00	1,200		
311000	Protect existing conditions including Memorial & trees	1	ls	10,000.00	10,000		
311000	Allowance to remove all gas pumps and utilities at DPW garage area	1	ls	15,000.00	15,000		

SITE CLEARING

312000	Strip topsoil, store onsite					N/A	
	SUBTOTAL						128,095

312000 EARTH WORK

Site Earthwork

312000	Regrading existing levels - minimal work	2,857	cy	4.00	11,428		
312000	Fine grading	8,572	sy	1.00	8,572		
312000	<u>Hazardous Waste Remediation</u>						
312000	Dispose/treat contaminated soils/water					NIC	
	SUBTOTAL						20,000

312500 EROSION AND SEDIMENTATION CONTROLS

312500	Silt fence/ silt sock	1,000	lf	8.00	8,000		
312500	Silt fence maintenance and monitoring	1	ls	1,500.00	1,500		
	SUBTOTAL						9,500

TOTAL, DIVISION 31 - EARTHWORK and SITE PREPARATION

\$157,595

32 EXTERIOR IMPROVEMENTS

321000 PAVING AND CURBING

BITUMINOUS PAVING

320000	Bituminous Paving; new roadway to salt truck unloading	14,000	sf				
320000	gravel base; 12" thick	519	cy	40.00	20,760		
320000	asphalt; 4" thick	1,556	sy	20.00	31,120		
320000	<u>Bituminous Paving; Mill + Pave existing paving</u>	46,730	sf				
320000	gravel base; 12" thick	1,731	cy	40.00	NR		
320000	asphalt; 4" thick	5,192	sy	20.00	103,840		
320000	Curbing; granite	472	lf	39.00	18,408		
320000	Cape cod berm curb at edge of pavement locations	2,016	lf	8.00	16,128		
320000	Curb cuts	4	loc	900.00	3,600		

CONCRETE PAVING

312000	<u>Concrete Walkways - broom finish</u>	800	sf				
312000	gravel base; 6" thick	15	cy	40.00	600		
320000	concrete; 4" thick	800	sf	11.00	8,800		
320000	premium for sloped ramp	160	sf	5.00	800		
320000	New pads for condensing units	2	loc	800.00	1,600		
	SUBTOTAL						205,656



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST
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SITework - OPTION A

59

60 **323000 SITE IMPROVEMENTS**

61

62 PAVEMENT MARKINGS

63	320000	Misc road markings/ hatching	1	ls	1,500.00	1,500	
64	320000	Single solid lines, 4" thick	53	space	25.00	1,325	

65

66 RAILINGS/FENCES

68	323000	6' Chain-link fence	255	lf	55.00	14,025	
69	323000	24' Sliding gate	2	ea	1,200.00	2,400	

70

71 FLAGPOLES

72		Flagpole					ETR
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73

74 SITE IMPROVEMENTS

75	323000	Traffic & parking signs; reinstall salvaged	3	ea	200.00	600	
76	323000	Site signage; new "do not enter" sign etc.	1	ls	10,000.00	10,000	
77	323000	Allowance for site furnishings; benches, trash receptacles etc.	1	ls	5,000.00	5,000	

78		SUBTOTAL					34,850
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79

80 **329200 LANDSCAPING**

81

82 *328400* PLANTING IRRIGATION

83	329000	Irrigation					Not used
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84

85 TURF AND GRASSES

86		<u>Lawn</u>					
87							
88	329000	Topsoil - import	289	cy	40.00	11,560	
89	329000	Planting soil & mulch at trees & shrubs	20	cy	50.00	1,000	
90	329000	Seed at lawn areas	15,620	sf	0.25	3,905	

91

92 PLANTS

93	329000	Allowance for new plantings	1	ls	15,000.00	15,000	
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94		SUBTOTAL					31,465
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96	TOTAL, DIVISION 32 - EXTERIOR IMPROVEMENTS						\$271,971
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99 **33 UTILITIES**

100

101 **334000 STORM DRAINAGE**

102	334000	Maintain and protect drain pipe	2	loc	500.00	1,000	
103	334000	12" Drain line	500	lf	80.00	40,000	
104	334000	WQU	3	ea	6,000.00	18,000	
105	334000	DMH	2	ea	4,200.00	8,400	
106	334000	Clean-out	6	ea	800.00	4,800	
107	334000	Roof drain connections	4	ea	500.00	2,000	
108	334000	Connecting to existing	2	loc	3,000.00	6,000	
109		SUBTOTAL					80,200

110

111 **331000 WATER SERVICE AND FIRE MAINS**

112	331000	6" Water/Fire line	250	lf	90.00	22,500	
113	331000	2" Domestic Water line	50	lf	65.00	3,250	
114	331000	PIV	1	ea	1,500.00	1,500	
115	331000	Connect to existing	1	loc	6,000.00	6,000	
116	331000	FD connection	1	ea	2,000.00	2,000	
117	331000	Fire hydrant	1	ea	2,300.00	2,300	



CSI CODE	DESCRIPTION	QTY	UNIT	UNIT COST	EST'D COST	SUB TOTAL	TOTAL COST	
SITework - OPTION A								
118	331000	Protect existing hydrant	1	ea	500.00	500		
119		SUBTOTAL					38,050	
120								
121	333000 SANITARY SEWERAGE							
122	333000	2" Force main; pumping station to leaching field	90	lf	110.00	9,900		
123	333000	4" DI Sewer line	15	lf	90.00	1,350		
124	333000	4" PVC line	5	lf	40.00	200		
125	333000	3000 gal Dual chamber septic tank	1	ea	20,000.00	20,000		
126	333000	Pump station	1	ea	6,500.00	6,500		
127	333000	Leaching bed; 20'x70', including excavation & backfill	1,400	sf	35.00	49,000		
128	333000	Distribution box	1	ea	included above			
129	333000	4" Perforated pipe, schedule 80 on 5" stone base	420	lf	included above			
130	333000	2" Pea stone cover	10	cy	included above			
131	333000	Clean-out	10	ea	included above			
132	333000	Inspection port	1	ea	included above			
133		SUBTOTAL					86,950	
134								
135	335000 GAS SERVICES							
136	335000	E&B trench for new gas pipe to building - install by plumbing	200	lf	22.00	4,400		
137	335000	Gas Meter				NIC		
138		SUBTOTAL					4,400	
139								
140	TOTAL, DIVISION 33 - UTILITIES							\$209,600
141								
142								
143	26 ELECTRICAL UTILITIES							
144								
145	ELECTRICAL UTILITIES							
146	<u>Civil</u>							
147	312000	Excavation & backfill:						
148	312000	Ductbanks - primary, secondary and telecom, allow	250	lf	20.00	5,000		
149	312000	Site lighting allow	500	lf	10.00	5,000		
150	312000	Concrete:						
151	312000	Ductbanks - primary, secondary and telecom, allow	250	lf	14.00	3,500		
152	312000	Transformer pad	1	ea	2,500.00	2,500		
153	312000	Pole base	7	ea	500.00	3,500		
154	<u>Site Demolition</u>							
155	260000	Site demolition and make safe	1	ls	2,000.00	2,000		
156	<u>Power</u>							
157	260000	Utility co. back charges (Allowance per BER)	1	ls	20,000.00	20,000		
158	260000	New riser (electrical)	1	ea	1,000.00	1,000		
159	260000	Primary service ductbank, 2-4" empty, allow	110	lf	45.00	4,950		
160	260000	Pad mounted transformer				By Utility Co.		
161	260000	Secondary service ductbank with 800A feeder including (1) spare 4" conduit, allow	30	lf	430.00	12,900		
162	<u>Communications</u>							
163	260000	New riser	1	ea	1,200.00	1,200		
164	260000	Telecom ductbank 4-4", empty, allow	110	lf	90.00	9,900		
165	<u>Site Lighting (allow)</u>							
166	260000	Pole light (allowance per BER)	7	ea	2,000.00	14,000		
167	260000	Pole base grounding	7	ea	200.00	1,400		
168	260000	Site lighting circuitry	500	lf	12.00	6,000		
169		SUBTOTAL					92,850	
170								
171	TOTAL, DIVISION 26 - ELECTRICAL UTILITIES							\$92,850
172								
173	TOTAL - SITE DEVELOPMENT							\$732,016