

**Hoonah Medical Clinic, Quarry Site  
Hoonah Indian Association  
Hoonah, Alaska**

**Construction Cost Estimate  
Conceptual Submittal  
March 9, 2006**



1225 E. International Airport Road, Suite 205  
Anchorage, Alaska 99518  
907.561.0790

**Prepared for:**

**Livingston Slone, Inc**  
11806 Glacier Highway, Unit 1H  
Auke Bay, Alaska 99820  
907.253.8065

**Documents**

- Adjacency Diagram, Finishes - Dated 2/10/06
- Site Analysis - Dated 12/2/05
- Site Plan Diagram - Dated 2/13/06
- Program Narrative - Dated 2/9/06
- Project Information Email From Aiza Paulson - Date 2/24/06

**Notes and Assumptions**

- 1 Materials storage area will be designated near the building.
- 2 Labor rates based on Davis Bacon, 50 hours/week.
- 3 Assumes 2007 construction.
- 4 Weather, logistics and construction time window has been considered, assuming a spring start to construction.
- 5 Assumes Juneau based contractor.
- 6 Assume 50% local labor.
- 7 Based on open competitive bid procurement.
- 8 Estimate is for construction costs only, no other costs included.

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Description	Estimated Cost	Div.
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**Basic Bid**

01 - GENERAL REQUIREMENTS	\$1,005,141	1
02 - SITEWORK	\$449,354	2
03 - CONCRETE	\$233,270	3
04 - MASONRY		4
05 - METALS	\$288,551	5
06 - WOOD AND PLASTIC	\$75,913	6
07 - THERMAL & MOISTURE PROTECTION	\$436,216	7
08 - DOORS AND WINDOWS	\$214,961	8
09 - FINISHES	\$456,451	9
10 - SPECIALTIES	\$31,158	10
11 - EQUIPMENT	\$8,364	11
12 - FURNISHINGS	\$10,572	12
13 - SPECIAL CONSTRUCTION	\$53,212	13
14 - CONVEYING		14
15 - MECHANICAL	\$547,940	15
16 - ELECTRICAL	\$373,940	16

<b>Subtotal:</b>	<b>\$4,185,043</b>	<b>&lt;&lt;&lt;&lt;&lt;</b>
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Estimating Contingency:		10.0%	\$418,504
Escalation For Inflation:	18 Mths @ 7.0%	10.7%	\$491,735

<b>Total Estimated Cost - Basic Bid:</b>	<b>\$5,095,283</b>	<b>&lt;&lt;&lt;&lt;&lt;</b>
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				Unit	Total	Units	Totals				
1	<b>01 - GENERAL REQUIREMENTS</b>										
2											
3	<b>Project Management</b>										
4	Project Manager - 8 Hr/Week	37	WEEKS			8.000	296.0	\$22,792		\$22,792	\$22,792
5	Supervisor - 40 Hr/Week	35	WEEKS			40.000	1,400.0	\$77,000		\$77,000	\$77,000
6	Project Expeditor - 8 Hr/Week	35	WEEKS			8.000	280.0	\$16,601		\$16,601	\$16,601
7											
8	<b>Subsistence</b>										
9	Room & Board	1,193	MANDAY	\$100.00	\$119,250					\$119,250	\$119,250
10											
11	<b>Travel</b>	20	EA	\$650.00	\$13,000					\$13,000	\$13,000
12											
13	<b>Small Tools &amp; Consumables</b>	1	LS	\$16,740.00	\$16,740					\$16,740	\$16,740
14											
15	<b>Equipment</b>										
16	Pickup (2 Ea)	35	WEEKS						\$16,333	\$16,333	\$16,333
17	Forklift (1 Ea)	17	WEEKS						\$11,333	\$11,333	\$11,333
18	Flatbed (1 Ea)	17	WEEKS						\$8,500	\$8,500	\$8,500
19	Manlift (1 Ea)	35	WEEKS						\$15,750	\$15,750	\$15,750
20	Crane (1 Ea)	6	WEEKS						\$15,000	\$15,000	\$15,000
21	Mobilization & Demobilization	50	TONS	\$600.00	\$30,000	2.286	114.3	\$6,777		\$36,777	\$36,777
22											
23	<b>Surface Freight</b>										
24	Seattle - Job Site	264	TONS	\$300.00	\$79,144	2.286	603.1	\$35,758		\$114,902	\$114,902
25											
26	<b>Air Freight</b>	58,626	LBS	\$0.65	\$38,107	0.003	175.9	\$10,429		\$48,536	\$48,536
27											
28	<b>Other Requirements</b>										
29	Project Meetings	8	EA			4.000	32.0	\$1,232		\$1,232	\$1,232
30	Project Schedule										
31	CPM - Set Up	10,687	SF	\$0.30	\$3,206					\$3,206	\$3,206
32	Updates	7	MTHS	\$350.00	\$2,450					\$2,450	\$2,450
33	Project Layout	10,687	SF	\$0.05	\$534	0.007	74.8	\$4,435		\$4,969	\$4,969
34	Shop Drawings	30	HRS			1.000	30.0	\$1,155		\$1,155	\$1,155
35	Test Lab Services	20	EA	\$250.00	\$5,000					\$5,000	\$5,000

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Line No.	Description	Qty	UNITS	Material Costs		Labor Hours		Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
				Unit	Total	Units	Totals				
36											
37	Temporary Facilities										
38	Project Office Trailer	8	MTHS						\$6,400	\$6,400	\$6,400
39	Office Equipment/Supplies	8	MTHS	\$500.00	\$4,000					\$4,000	\$4,000
40	Project Tool Sheds	8	MTHS						\$1,600	\$1,600	\$1,600
41											
42	Project Safety Equipment	1	LS	\$4,190.00	\$4,190					\$4,190	\$4,190
43											
44	Temporary Services										
45	Chemical Toilets (2 Ea @ 125)	8	MTHS	\$250.00	\$2,000					\$2,000	\$2,000
46	Power	8	MTHS	\$320.61	\$2,565					\$2,565	\$2,565
47	Lighting	10,687	SF	\$0.02	\$214	0.002	21.4	\$1,269		\$1,483	\$1,483
48	Heat Temporary	2	MOS	\$1,100.00	\$2,200					\$2,200	\$2,200
49											
50	Cleaning										
51	Progressive	11	MSF	\$2.00	\$21	1.143	12.2	\$723	\$21	\$765	\$765
52	Final	11	MSF	\$2.00	\$21	2.229	23.8	\$1,411	\$32	\$1,464	\$1,464
53	Windows	1,118	SF	\$0.25	\$280					\$280	\$280
54	Dumpsters	8	EA	\$600.00	\$4,800					\$4,800	\$4,800
55											
56											
57											
58											
59											
60											
61											
62											
63											
64											
65	<b>General Contractor Overhead &amp; Profit</b>	8%									\$300,974
66	<b>General Contractor Bond &amp; Insurance</b>	3.0%									\$121,894
67											
68	<b>Subtotal: 01 - GENERAL REQUIREMENTS: Cost based on 10,687 SF</b>				\$327,722		3,063.5	\$179,582	\$74,970	\$582,274	<b>\$1,005,141</b>
69	Average Unit Price for this division is: \$94.05 per SF										
70	Average Labor Rate for this division: \$58.62 per hour										

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				Unit	Total	Units	Totals				
71											
72	<b>02 - SITEWORK</b>										
73											
74	<b>Earthwork, Grading and Drainage</b>										
75	Rough Grading	36,484	SF			0.010	364.8	\$21,384	\$2,627	\$24,011	\$28,813
76	Excavation Under Slab, 1 Ft	455	CY			0.021	9.6	\$563	\$1,405	\$1,968	\$2,361
77	Foundation Excavation	1,030	CY			0.021	21.6	\$1,266	\$3,177	\$4,443	\$5,332
78	Haul Exc To Waste	1,485	CY			0.063	93.5	\$5,481	\$3,898	\$9,379	\$11,254
79	NFS Fill - Underslab, 1 Ft	819	TONS	\$8.00	\$6,555	0.091	74.6	\$4,373	\$3,736	\$14,664	\$17,597
80	Backfill Foundations	1,956	TONS	\$8.00	\$15,650	0.091	178.0	\$10,434	\$8,920	\$35,004	\$42,005
81											
82	Excavation For Parking, Walks, Drives, 2.4 Ft A	2,522	CY			0.021	53.0	\$3,107	\$7,783	\$10,890	\$13,068
83	Haul Exc To Waste	2,522	CY			0.063	158.9	\$9,314	\$6,621	\$15,935	\$19,122
84	NFS Fill - Parking, Roads & Walks, 2 Ft	3,994	TONS	\$8.00	\$31,950	0.091	363.4	\$21,301	\$18,211	\$71,462	\$85,755
85											
86	<b>Paving and Surfacing</b>										
87	Gravel Surfacing	2,589	SY	\$5.83	\$15,092					\$15,092	\$18,110
88											
89	<b>Site Improvements</b>										
90	New Signage	12	EA	\$175.00	\$2,100	1.500	18.0	\$1,055		\$3,155	\$3,786
91	New Sidewalk & Patios	2,499	SF	\$4.98	\$12,444	0.063	157.4	\$9,226	\$3,798	\$25,468	\$30,562
92	Parking Wheel Stops	30	EA	\$40.00	\$1,200	0.500	15.0	\$879	\$540	\$2,619	\$3,143
93	Site Pads - 6" Dumpster, Xfmr, Compact, Etc	400	SF	\$6.12	\$2,448	0.068	27.2	\$1,594	\$655	\$4,697	\$5,636
94	Bollards										
95	Bollard Bases	2	EA	\$40.60	\$81	1.500	3.0	\$176	\$84	\$341	\$409
96	Bollards - 8" Pipe	2	EA	\$148.20	\$296	1.000	2.0	\$117		\$413	\$496
97											
98	<b>Sewer Systems</b>										
99	<b>Sewer Piping, DI Pipe</b>	<b>200</b>	<b>LF</b>								
100	Trench Excavation W/ Hyd. Exc.	594	CY	\$5.00	\$2,971	0.160	95.1	\$5,574	\$6,133	\$14,678	\$17,613
101	Backfill In Trenches	594	CY	\$14.00	\$8,320	0.160	95.1	\$5,574	\$6,133	\$20,027	\$24,032
102	Pipe Bedding	44	CY	\$19.80	\$880	0.050	2.2	\$129	\$173	\$1,182	\$1,419
103	DI Pipe 6" CL50	200	LF	\$12.00	\$2,400	0.200	40.0	\$2,345		\$4,745	\$5,694
104	Cleanout	1	EA	\$500.00	\$500	8.000	8.0	\$469		\$969	\$1,163
105	Pressure Testing	200	LF			0.030	6.0	\$352		\$352	\$422

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106											
107	<b>Water Main</b>	<b>200</b>	<b>LF</b>								
108	Trench Excavation W/ Hyd. Exc.	500	CY			0.053	26.5	\$1,553	\$1,648	\$3,201	\$3,842
109	Backfill In Trenches	500	CY	\$14.00	\$7,000	0.053	26.5	\$1,553	\$1,648	\$10,201	\$12,242
110	Pipe Bedding	40	CY	\$19.80	\$792	0.050	2.0	\$117	\$150	\$1,059	\$1,270
111	6" DIP CL 52	200	LF	\$14.50	\$2,900	0.243	48.6	\$2,849		\$5,749	\$6,899
112	6" DIP ELL	2	EA	\$140.00	\$280	3.000	6.0	\$352		\$632	\$758
113	Connect To Existing	1	EA	\$300.00	\$300	6.000	6.0	\$352		\$652	\$782
114	6" Gate Valve W/ Valve Box	1	EA	\$650.00	\$650	4.000	4.0	\$234	\$65	\$949	\$1,139
115	Hydrostatic Testing	200	LF			0.020	4.0	\$234		\$234	\$281
116											
117	<b>Landscaping</b>										
118	Landscape Grading	3,437	SY			0.014	48.1	\$2,819	\$687	\$3,506	\$4,208
119	Hydroseed Sub Move-In Costs	1	LS	\$2,500.00	\$2,500					\$2,500	\$3,000
120	Hydroseeding	3,437	SY	\$0.15	\$516	0.015	51.6	\$3,025	\$1,681	\$5,222	\$6,266
121	4" Topsoil	3,437	SY	\$4.00	\$13,749	0.026	89.4	\$5,240		\$18,989	\$22,787
122											
123	<b>Loading Dock</b>										
124	Retaining Wall	150	LF	\$99.00	\$14,850	1.857	278.6	\$16,523	\$750	\$32,123	\$32,123
125	Drainage	1	LS	\$7,500.00	\$7,500					\$7,500	\$9,000
126	Concrete Dock Face	15	LF	\$99.00	\$1,485	1.857	27.9	\$1,655	\$75	\$3,215	\$3,215
127	Loading Dock Cover	150	SF	\$25.00	\$3,750					\$3,750	\$3,750
128											
129											
130											
131											
132											
133											
134											
135											
136											
137											
138	<b>Subtotal: 02 - SITEWORK: Cost based on 10,687 SF</b>				\$159,159		2,405.6	\$141,219	\$80,598	\$380,976	<b>\$449,354</b>
139	Average Unit Price for this division is: \$42.05 per SF										
140	Average Labor Rate for this division: \$58.70 per hour										

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				Unit	Total	Units	Totals				
141											
142	<b>03 - CONCRETE</b>										
143											
144	<b>Footings - Strip</b>	<b>672</b>	<b>LF</b>								
145	Forms	1,116	SF	\$1.20	\$1,339	0.100	111.6	\$6,619		\$7,958	\$7,958
146	Re-steel	4,468	LBS	\$0.85	\$3,798	0.021	93.8	\$5,563		\$9,361	\$9,361
147	Concrete	43	CY	\$235.00	\$10,195	1.000	43.4	\$2,574	\$868	\$13,637	\$13,637
148	Anchor Bolts	504	EA	\$7.00	\$3,528	0.314	158.3	\$9,388		\$12,916	\$12,916
149											
150	<b>Footings - Columns</b>	<b>43</b>	<b>EA</b>								
151	Forms	688	SF	\$1.50	\$1,032	0.125	86.0	\$5,100		\$6,132	\$6,132
152	Re-steel	1,436	LBS	\$0.85	\$1,220	0.021	30.2	\$1,791		\$3,011	\$3,011
153	Concrete	27	CY	\$235.00	\$6,290	1.000	26.8	\$1,589	\$535	\$8,414	\$8,414
154	Anchor Bolts	172	EA	\$7.00	\$1,204	0.314	54.0	\$3,203		\$4,407	\$4,407
155											
156	<b>Foundation Walls</b>	<b>572</b>	<b>LF</b>								
157	Forms	4,576	SF	\$1.20	\$5,491	0.100	457.6	\$27,138		\$32,629	\$32,629
158	Re-steel	13,728	LBS	\$0.85	\$11,669	0.021	288.3	\$17,098		\$28,767	\$28,767
159	Concrete	60	CY	\$235.00	\$14,010	1.000	59.6	\$3,535	\$1,192	\$18,737	\$18,737
160	Anchor Bolts	429	EA	\$3.50	\$1,502	0.125	53.6	\$3,179		\$4,681	\$4,681
161											
162	<b>Slab On Grade 4"</b>	<b>10,987</b>	<b>SF</b>								
163	Resteel	11,207	LBS	\$0.85	\$9,526	0.021	235.3	\$13,955		\$23,481	\$23,481
164	Concrete	142	CY	\$235.00	\$33,470	1.225	174.5	\$10,349	\$2,848	\$46,667	\$46,667
165	Finish - Subcontract	10,987	SF	\$0.65	\$7,142					\$7,142	\$7,142
166	Control Joints	1,099	LF	\$0.50	\$549	0.040	43.9	\$2,604		\$3,153	\$3,153
167	Cure	10,987	SF	\$0.02	\$220	0.003	33.0	\$1,957		\$2,177	\$2,177
168											
169											
170											
171											
172											
173	<b>Subtotal: 03 - CONCRETE: Cost based on 10,687 SF</b>				\$112,185		1,949.9	\$115,642	\$5,444	\$233,271	<b>\$233,270</b>
174	Average Unit Price for this division is: \$21.83 per SF										
175	Average Labor Rate for this division: \$59.31 per hour										

Line No.	Description	Qty	UNITS	Material Costs		Labor Hours		Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P	
				Unit	Total	Units	Totals					
176												
177	<b>04 - MASONRY</b>		<b>NONE</b>									
178												
179												
180	<b>Subtotal: 04 - MASONRY: Cost based on 10,687 SF</b>											
181	Average Unit Price for this division is: \$0.00 per SF											
182	Average Labor Rate for this division: \$0.00 per hour											
183												
184	<b>05 - METALS</b>											
185												
186	<b>Structural Steel</b>											
187	Roof Framing 2.5 #/SF	32,549	LBS	\$1.25	\$40,687	0.007	227.8	\$14,943	\$2,604	\$58,234	\$69,881	
188	Columns1 #/SF	16,031	LBS	\$1.25	\$20,038	0.007	112.2	\$7,360	\$1,282	\$28,680	\$34,417	
189	Bracing	2,429	LBS	\$1.25	\$3,036	0.007	17.0	\$1,115	\$194	\$4,345	\$5,214	
190	Allow For Plate, Anchorage, Etc.	5,101	LBS	\$1.15	\$5,866	0.014	71.4	\$4,684		\$10,550	\$12,660	
191												
192	<b>Metal Joist</b>											
193	Roof Joists 4.5 #/SF	58,589	LBS	\$1.15	\$67,377	0.007	410.1	\$26,902	\$4,687	\$98,966	\$118,759	
194												
195	<b>Metal Deck</b>											
196	Roof Decking	13,020	SF	\$2.00	\$26,039	0.013	169.3	\$11,106		\$37,145	\$44,574	
197												
198	<b>Miscellaneous Metals</b>											
199	Misc Metals	1	LS	\$1,600.00	\$1,600	14.286	14.3	\$938		\$2,538	\$3,046	
200												
201												
202												
203												
204												
205												
206												
207												
208	<b>Subtotal: 05 - METALS: Cost based on 10,687 SF</b>					\$164,643		1,022.1	\$67,048	\$8,768	\$240,459	<b>\$288,551</b>
209	Average Unit Price for this division is: \$27.00 per SF											
210	Average Labor Rate for this division: \$65.60 per hour											

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				Unit	Total	Units	Totals				
211											
212	<b>06 - WOOD AND PLASTIC</b>										
213											
214	Rough Carpentry	1	LS	\$5,300.00	\$5,300					\$5,300	\$5,300
215											
216	Finish Carpentry	1	LS	\$8,000.00	\$8,000					\$8,000	\$8,000
217											
218	<b>Cabinets &amp; Casework</b>										
219	Base Cabinets	48	LF	\$200.00	\$9,600	0.314	15.1	\$837		\$10,437	\$12,524
220	Base Cabinets, Exams	66	LF	\$200.00	\$13,200	0.386	25.5	\$1,414		\$14,614	\$17,537
221	Writing Surfaces, Exams	22	LF	\$75.00	\$1,650	0.160	3.5	\$194		\$1,844	\$2,213
222	Countertops, Plam	114	LF	\$30.00	\$3,420	0.100	11.4	\$632		\$4,052	\$4,862
223	Wall Cabinets	81	LF	\$125.00	\$10,125	0.314	25.4	\$1,408		\$11,533	\$13,840
224	Countertops, Plam Self Supported	20	LF	\$60.00	\$1,200	0.100	2.0	\$111		\$1,311	\$1,573
225	Reception Counter	20	LF	\$250.00	\$5,000	0.800	16.0	\$887		\$5,887	\$7,064
226	Misc Storage	1	LS	\$2,500.00	\$2,500					\$2,500	\$3,000
227											
228											
229											
230											
231											
232											
233											
234											
235											
236											
237											
238											
239											
240											
241											
242											
243	<b>Subtotal: 06 - WOOD AND PLASTIC: Cost based on 10,687 SF</b>					\$59,995		98.9	\$5,483	\$65,478	<b>\$75,913</b>
244	Average Unit Price for this division is: \$7.10 per SF										
245	Average Labor Rate for this division: \$55.44 per hour										

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246											
247	<b>07 - THERMAL &amp; MOISTURE PROTECTION</b>										
248											
249	<b>Dampproofing</b>										
250	Bituminous Dampproofing	2,288	SF	\$0.40	\$915	0.019	43.5	\$2,706		\$3,621	\$4,345
251	<b>Vapor Retarders</b>										
252	Air Barrier	9,317	SF	\$0.16	\$1,491	0.003	28.0	\$1,661		\$3,152	\$3,152
253	Vapor Retarder, 6 Mil	9,317	SF	\$0.08	\$745	0.003	28.0	\$1,661		\$2,406	\$2,406
254	Vapor Retarder, 10 Mil (Underslab)	10,687	SF	\$0.12	\$1,282	0.002	21.4	\$1,269		\$2,551	\$2,551
255											
256	<b>Building Insulation</b>										
257	R-21 Batt, Walls	9,317	SF	\$0.60	\$5,590	0.004	37.3	\$2,068		\$7,658	\$9,190
258	R-38 Batt, Roof	10,687	SF	\$1.10	\$11,756	0.005	53.4	\$2,960		\$14,716	\$17,659
259	2" Rigid at Foundation	2,288	SF	\$1.10	\$2,517	0.009	20.6	\$1,142		\$3,659	\$4,391
260	Sound Insulation	12,249	SF	\$0.25	\$3,062	0.003	36.7	\$2,034		\$5,096	\$6,115
261											
262	<b>Metal Wall Panel</b>	9,317	SF	\$9.00	\$83,853	0.057	531.1	\$33,492		\$117,345	\$140,814
263											
264	<b>Preformed Metal Roofing</b>	<b>13,020</b>	<b>SF</b>								
265	Standing Seam Metal Roofing, 22Ga ALUM	13,020	SF	\$7.00	\$91,138	0.057	742.1	\$46,161		\$137,299	\$164,759
266	Ice & Water Shield	13,020	SF	\$0.45	\$5,859	0.007	91.1	\$5,667		\$11,526	\$13,831
267	Substrate	13,020	SF	\$0.70	\$9,114	0.006	78.1	\$4,858		\$13,972	\$16,766
268	Furring	13,020	SF	\$0.40	\$5,208	0.019	247.4	\$15,389		\$20,597	\$24,716
269	Flashings	568	LF	\$2.00	\$1,136	0.057	32.4	\$2,015		\$3,151	\$3,781
270	Alum Soffit	300	SF	\$5.00	\$1,500	0.057	17.1	\$1,064		\$2,564	\$3,077
271											
272	<b>Flashing &amp; Sheet Metal</b>										
273	Base Flashing	572	LF	\$4.00	\$2,288	0.040	22.9	\$1,424		\$3,712	\$4,454
274	Misc Flashings	1,716	LF	\$2.00	\$3,432	0.040	68.6	\$4,267		\$7,699	\$9,239
275											
276	<b>Joint Sealants</b>	10,687	SF	\$0.05	\$534	0.007	74.8	\$4,436		\$4,970	\$4,970
277											
278	<b>Subtotal: 07 - THERMAL &amp; MOISTURE PROTECTION: Cost based on 10,687 S \$231,420</b>										
279	Average Unit Price for this division is: \$40.82 per SF										
280	Average Labor Rate for this division: \$61.75 per hour										

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				Unit	Total	Units	Totals				
281											
282	<b>08 - DOORS AND WINDOWS</b>										
283											
284	<b>Steel Doors &amp; Frames</b>										
285	HM Insulated 3'0"x7'0"	1	EA	\$400.00	\$400	2.000	2.0	\$119		\$519	\$519
286	HM Insulated 3'0"x7'0" Dbl	1	PAIR	\$800.00	\$800	3.000	3.0	\$178		\$978	\$978
287	Insul. HM Frame	2	EA	\$220.00	\$440	1.500	3.0	\$178		\$618	\$618
288	HM Frames	62	EA	\$190.00	\$11,780	1.000	62.0	\$3,677		\$15,457	\$15,457
289	Add For Vision Lites	43	EA	\$85.00	\$3,655					\$3,655	\$3,655
290											
291	<b>Wood Doors</b>										
292	Solid Core Wood Flush Door 3x7	60	EA	\$450.00	\$27,000	1.500	90.0	\$5,338		\$32,338	\$32,338
293	Solid Core Wood Flush Door 3x7, Pair	2	PAIR	\$900.00	\$1,800	3.000	6.0	\$356		\$2,156	\$2,156
294											
295	<b>Entrances</b>										
296	Entrances - Alum/Glass, Double	2	EA	\$5,000.00	\$10,000					\$10,000	\$10,000
297											
298	<b>Overhead Doors</b>										
299	Insulated Metal, Overhead Door, 10'0"x14'0"	1	EA	\$5,000.00	\$5,000	24.000	24.0	\$1,423		\$6,423	\$6,423
300	Motor Operators	1	EA	\$800.00	\$800					\$800	\$800
301											
302	<b>Windows</b>	1,118	SF	\$45.00	\$50,312	0.200	223.6	\$13,261		\$63,573	\$63,573
303											
304	<b>Finish Hardware</b>										
305	Int Hardware Sets	62	EA	\$900.00	\$55,800	1.000	62.0	\$3,677		\$59,477	\$59,477
306	Ext Hardware Set	2	EA	\$1,500.00	\$3,000	3.000	6.0	\$356		\$3,356	\$3,356
307											
308	<b>Glazing</b>	490	SF	\$20.00	\$9,799	0.200	98.0	\$5,812		\$15,611	\$15,611
309											
310											
311											
312											
313	<b>Subtotal: 08 - DOORS AND WINDOWS: Cost based on 10,687 SF</b>				\$180,586		579.6	\$34,375		\$214,961	<b>\$214,961</b>
314	Average Unit Price for this division is: \$20.11 per SF										
315	Average Labor Rate for this division: \$59.31 per hour										

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				Unit	Total	Units	Totals				
316											
317	<b>09 - FINISHES</b>										
318											
319	<b>09100 - Metal Support Systems</b>										
320	Metal Framing 3-5/8" 20 Ga 16" o.c.	13,065	SF	\$0.85	\$11,105	0.019	248.2	\$14,720		\$25,825	\$32,281
321	Metal Framing 6" 20 Ga 16" o.c.	3,266	SF	\$1.40	\$4,573	0.020	65.3	\$3,873		\$8,446	\$10,558
322	Metal Framing 6" 16 Ga 16" o.c.	9,317	SF	\$2.04	\$19,007	0.031	288.8	\$17,128		\$36,135	\$45,169
323											
324	<b>09250 - Gypsum Board</b>										
325	GWB 5/8" Walls	32,663	SF	\$0.33	\$10,779	0.019	620.6	\$36,805		\$47,584	\$59,480
326	GWB 5/8" Ceilings	10,687	SF	\$0.33	\$3,527	0.020	213.7	\$12,674		\$16,201	\$20,251
327	Tape & Finish	43,350	SF	\$0.12	\$5,202	0.021	910.3	\$53,986		\$59,188	\$73,985
328	Resilient Channel @ Ceilings	10,687	SF	\$0.40	\$4,275	0.009	96.2	\$5,705		\$9,980	\$12,475
329	Suspended GWB Ceilings	940	SF	\$2.60	\$2,444	0.057	53.6	\$3,179		\$5,623	\$7,029
330	Soffits	544	SF	\$4.50	\$2,450	0.086	46.8	\$2,775		\$5,225	\$5,225
331											
332	<b>09310 - Ceramic Tile</b>										
333	Ceramic Floor Tile	400	SF	\$4.95	\$1,980	0.118	47.2	\$2,597		\$4,577	\$5,492
334	Ceramic Wall Tile	1,285	SF	\$4.95	\$6,362	0.118	151.7	\$8,346		\$14,708	\$17,650
335	CBB	1,285	SF	\$0.50	\$643	0.011	14.1	\$776		\$1,419	\$1,703
336	CT Base	214	LF	\$4.13	\$885	0.118	25.3	\$1,392		\$2,277	\$2,732
337											
338	<b>09510 - Acoustical Ceilings</b>										
339	Acoustical Suspended Ceilings	9,120	SF	\$2.20	\$20,064	0.023	209.8	\$12,976		\$33,040	\$39,648
340											
341	<b>09550 - Wood Flooring</b>										
342	Plastic Laminate Wood Flooring	3,550	SF	\$3.75	\$13,313	0.019	67.5	\$3,814		\$17,127	\$20,552
343											
344	<b>09650 - Resilient Flooring</b>										
345	Sheet Vinyl Flooring	3,140	SF	\$5.00	\$15,700	0.043	135.0	\$7,629		\$23,329	\$27,995
346	Resilient Base	1,094	LF	\$0.85	\$930	0.019	20.8	\$1,175		\$2,105	\$2,526
347											
348											
349											
350											

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				Unit	Total	Units	Totals					
351												
352	<b>09680 - Carpet</b>											
353	Carpet, Comml Glue Down	2,370	SF	\$3.00	\$7,110	0.019	45.0	\$2,543		\$9,653	\$11,584	
354												
355	<b>09900 - Painting</b>											
356	Paint	25,241	SF	\$0.15	\$3,786	0.020	504.8	\$29,302		\$33,088	\$39,706	
357	Concrete Sealers	1,470	SF	\$0.20	\$294	0.013	19.1	\$1,109		\$1,403	\$1,684	
358	Paint Doors & Frames	64	EA	\$5.00	\$320	1.500	96.0	\$5,573		\$5,893	\$7,072	
359												
360	<b>Wall Covering</b>											
361	VWC	2,598	SF	\$0.80	\$2,079	0.053	137.7	\$7,633		\$9,712	\$11,654	
362												
363												
364												
365												
366												
367	<b>Subtotal: 09 - FINISHES: Cost based on 10,687 SF</b>					\$136,828		4,017.5	\$235,710		\$372,538	<b>\$456,451</b>
368	Average Unit Price for this division is: \$42.71 per SF											
369	Average Labor Rate for this division: \$58.67 per hour											
370												
371	<b>10 - SPECIALTIES</b>											
372												
373	<b>Tack &amp; Chalk Boards</b>											
374	Marker Board	1	EA	\$544.00	\$544	2.000	2.0	\$111		\$655	\$786	
375	Tackboard	2	EA	\$32.00	\$64	0.500	1.0	\$55		\$119	\$143	
376												
377	<b>Toilet Compartments</b>											
378	Standard Compartments	4	EA	\$800.00	\$3,200	3.000	12.0	\$665		\$3,865	\$4,638	
379	H.C. Compartments	2	EA	\$900.00	\$1,800	3.000	6.0	\$333		\$2,133	\$2,560	
380												
381	<b>Impact Resistant Wall Protection</b>											
382	Corner Protectors	40	EA	\$45.00	\$1,800	0.500	20.0	\$1,109		\$2,909	\$3,491	
383												
384	<b>Directories and Bulletin Boards</b>											
385	Directories	1	EA	\$1,500.00	\$1,500	6.000	6.0	\$333		\$1,833	\$2,200	

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				Unit	Total	Units	Totals				
386											
387	<b>Exterior Signs</b>	1	LS	\$3,000.00	\$3,000					\$3,000	\$3,600
388											
389	<b>Interior Architectural Signage</b>										
390	Room Signage	59	EA	\$50.00	\$2,950	0.500	29.5	\$1,635		\$4,585	\$5,502
391	ADA Signage	9	EA	\$215.00	\$1,935	1.000	9.0	\$499		\$2,434	\$2,921
392											
393	<b>Fire Protection Specialties</b>										
394	FEC	2	EA	\$175.00	\$350	1.000	2.0	\$111		\$461	\$553
395	FE Bracket Mounted	1	EA	\$55.00	\$55	0.500	0.5	\$28		\$83	\$100
396											
397	<b>Toilet &amp; Bath Accessories</b>	1	LS	\$3,000.00	\$3,000	16.000	16.0	\$887		\$3,887	\$4,664
398											
399											
400											
401											
402	<b>Subtotal: 10 - SPECIALTIES: Cost based on 10,687 SF</b>				\$20,198		104.0	\$5,766		\$25,964	<b>\$31,158</b>
403	Average Unit Price for this division is: \$2.92 per SF										
404	Average Labor Rate for this division: \$55.44 per hour										
405											
406	<b>11 - EQUIPMENT</b>										
407											
408	<b>Residential Appliances</b>										
409	Exhaust Fan, Residential Range Hood	1	EA	\$350.00	\$350	4.000	4.0	\$222		\$572	\$686
410	Slide-In Range	1	EA	\$900.00	\$900	3.000	3.0	\$178		\$1,078	\$1,078
411	Undercounter Refrigerator	4	EA	\$700.00	\$2,800	1.500	6.0	\$333		\$3,133	\$3,760
412	Undercounter Dishwasher	1	EA	\$800.00	\$800	1.500	1.5	\$83		\$883	\$1,060
413	Refrigerator/Freezer	1	EA	\$1,400.00	\$1,400	1.500	1.5	\$83		\$1,483	\$1,780
414											
415											
416											
417											
418	<b>Subtotal: 11 - EQUIPMENT: Cost based on 10,687 SF</b>				\$6,250		16.0	\$899		\$7,149	<b>\$8,364</b>
419	Average Unit Price for this division is: \$0.78 per SF										
420	Average Labor Rate for this division: \$56.19 per hour										

Line No.	Description	Qty	UNITS	Material Costs		Labor Hours		Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
				Unit	Total	Units	Totals				
421											
422	<b>12 - FURNISHINGS</b>										
423											
424	Floor Mats	130	SF	\$25.00	\$3,250	0.057	7.4	\$410		\$3,660	\$4,392
425											
426	Window Treatments	1,118	SF	\$3.00	\$3,354	0.029	32.4	\$1,796		\$5,150	\$6,180
427											
428	<b>Furniture and Accessories - Not Included In The Estimate</b>										
429											
430											
431											
432											
433	<b>Subtotal: 12 - FURNISHINGS: Cost based on 10,687 SF</b>				\$6,604		39.8	\$2,206		\$8,810	<b>\$10,572</b>
434	Average Unit Price for this division is: \$0.99 per SF										
435	Average Labor Rate for this division: \$55.43 per hour										
436											
437	<b>13 - SPECIAL CONSTRUCTION</b>										
438											
439	<b>Fire Sprinkler System</b>										
440	Ordinary Hazard Wet Pipe Sprinkler	10,687	SF	\$1.38	\$14,748	0.049	523.7	\$29,595		\$44,343	\$53,212
441											
442											
443											
444											
445	<b>Subtotal: 13 - SPECIAL CONSTRUCTION: Cost based on 10,687 SF</b>				\$14,748		523.7	\$29,595		\$44,343	<b>\$53,212</b>
446	Average Unit Price for this division is: \$4.98 per SF										
447	Average Labor Rate for this division: \$56.51 per hour										
448											
449	<b>14 - CONVEYING</b>		<b>NONE</b>								
450											
451											
452											
453	<b>Subtotal: 14 - CONVEYING: Cost based on 10,687 SF</b>										
454	Average Unit Price for this division is: \$0.00 per SF										
455	Average Labor Rate for this division: \$0.00 per hour										

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				Unit	Total	Units	Totals				
456											
457	<b>15 - MECHANICAL</b>										
458											
459	<b>Sanitary Fixtures and Connection Piping</b>										
460	Plumbing Fixtures	41	EA	\$900.00	\$36,900	7.143	292.9	\$17,150		\$54,050	\$67,563
461											
462	<b>Sanitary Waste Vent and Service Piping</b>										
463	Rough-In For Fixtures	41	EA	\$500.00	\$20,500	17.143	702.9	\$41,157		\$61,657	\$77,071
464											
465	<b>Water Storage and Circulation</b>										
466	Hot Water Generation	100	GPH	\$80.00	\$8,000	0.143	14.3	\$837		\$8,837	\$11,046
467											
468	<b>Other Plumbing Systems</b>										
469	Gas Piping To Water Heater	70	LF	\$3.00	\$210	0.160	11.2	\$656		\$866	\$1,083
470											
471	<b>Piping, Fittings, Valves and Insulation</b>										
472	Heat Piping 2 Pipe System	10,687	SF	\$2.43	\$25,969	0.069	737.4	\$43,177		\$69,146	\$86,433
473	Valves and Specialties	10,687	SF	\$0.36	\$3,847	0.007	74.8	\$4,380		\$8,227	\$10,284
474											
475	<b>Heat Generation</b>										
476	Furnaces	427	MBH	\$25.00	\$10,687	0.086	36.8	\$2,155		\$12,842	\$16,053
477											
478	<b>Air Distribution and Return</b>										
479	Air Handling	9,380	CFM	\$3.00	\$28,140	0.023	215.7	\$12,630		\$40,770	\$50,963
480	Galvanized Steel Ductwork	8,020	LB	\$3.00	\$24,060	0.103	826.1	\$48,370		\$72,430	\$90,538
481	Flexible Duct	784	LF	\$8.50	\$6,664					\$6,664	\$8,330
482	Dampers, Volume	80	EA	\$50.00	\$4,000					\$4,000	\$5,000
483	Dampers, Fire & Smoke	10	EA	\$1,500.00	\$15,000					\$15,000	\$18,750
484	Duct insulation	7,352	SF	\$1.90	\$13,968					\$13,968	\$13,968
485	VAV Boxes With Reheat (Average Density 1/600SF)	18	EA	\$350.00	\$6,300	4.000	72.0	\$4,416		\$10,716	\$13,931
486											
487											
488											
489											

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				Unit	Total	Units	Totals				
490											
491	<b>Exhaust Fans</b>										
492	Toilet Exhaust	5,000	CFM	\$0.95	\$4,750					\$4,750	\$4,750
493	Misc Exhaust Fans	2,000	CFM	\$1.50	\$3,000					\$3,000	\$3,000
494											
495	<b>Diffusers and Return Air Grilles</b>										
496	Ceiling Diffusers and Grilles; Average Density 1/140 SF	80	EA	\$60.00	\$4,800	1.000	80.0	\$4,743		\$9,543	\$9,543
497											
498											
499	<b>Controls and Instrumentation</b>										
500	Electronic Controls System	10,687	SF	\$3.50	\$37,405					\$37,405	\$44,886
501											
502	<b>Testing and Balancing</b>	10,687	SF	\$1.15	\$12,290					\$12,290	\$14,748
503											
504											
505											
506	<b>Subtotal: 15 - MECHANICAL: Cost based on 10,687 SF</b>					\$266,490	3,064.1	\$179,671		\$446,161	<b>\$547,940</b>
507	Average Unit Price for this division is: \$51.27 per SF										
508	Average Labor Rate for this division: \$58.64 per hour										
509											
510	<b>16 - ELECTRICAL</b>										
511											
512	<b>Electrical Service</b>										
513	Utility Transformer, Dry Type Fan Cooled	400	KVA	\$20.00	\$8,000	0.200	80.0	\$5,031		\$13,031	\$16,289
514	Main Distribution Equipment 277/480V 3 Phase	400	AMP	\$30.00	\$12,000					\$12,000	\$15,000
515	Power Distribution, Panelboard, Transformers, MCC	10,687	SF	\$3.00	\$32,061					\$32,061	\$40,076
516	Motor Starters, Disconnect, Etc.										
517											
518	<b>Emergency Power</b>										
519	Generator, Diesel	50	KW	\$800.00	\$40,000	0.857	42.9	\$2,698		\$42,698	\$53,373
520	Fuel Storage, Dbl Wall Storage W/ Leak Detection	5,000	GAL	\$5.00	\$25,000	0.029	145.0	\$9,119		\$34,119	\$42,649
521	Transfer Switches	400	AMP	\$20.00	\$8,000	0.086	34.4	\$2,163		\$10,163	\$12,704
522											

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				Unit	Total	Units	Totals				
523											
524	<b>Convenience Power</b>										
525	Receptacles Including Conduit and Wire	180	EA	\$125.00	\$22,500					\$22,500	\$28,125
526											
527	<b>Fire Alarm</b>										
528	Fire Alarm, Addressable Devices	10,687	SF	\$1.80	\$19,237	0.014	149.6	\$9,408		\$28,645	\$35,806
529											
530	<b>Lighting</b>										
531	Fluorescent T8 Lighting	170	EA	\$125.00	\$21,250	3.000	510.0	\$32,073		\$53,323	\$66,654
532	Emergency Lighting	30	EA	\$175.00	\$5,250	3.000	90.0	\$5,660		\$10,910	\$13,638
533	Exterior Lights	5	EA	\$250.00	\$1,250	4.000	20.0	\$1,258		\$2,508	\$3,135
534	Carport Lights	2	EA	\$120.00	\$240	3.000	6.0	\$377		\$617	\$771
535	Exit Sign	30	EA	\$85.00	\$2,550	3.000	90.0	\$5,660		\$8,210	\$10,263
536	Lighting Control System	77	EA	\$26.00	\$1,994	1.771	135.8	\$8,540		\$10,534	\$13,168
537											
538	<b>Lighting and Power Specialties</b>										
539	Lighting Controls	1	LS	\$2,000.00	\$2,000					\$2,000	\$2,500
540	Grounding	1	LS	\$2,000.00	\$2,000					\$2,000	\$2,500
541	Occupancy Sensors	30	EA	\$110.00	\$3,300					\$3,300	\$4,125
542											
543	<b>Telephone and Communication Systems</b>										
544	Telcom Rooms	1	EA	\$3,500.00	\$3,500					\$3,500	\$4,375
545	Telcom Data Outlets	20	EA	\$100.00	\$2,000	4.000	80.0	\$5,031		\$7,031	\$8,789
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555	<b>Subtotal: 16 - ELECTRICAL: Cost based on 10,687 SF</b>				\$212,132		1,383.7	\$87,018		\$299,150	<b>\$373,940</b>
556	Average Unit Price for this division is: \$34.99 per SF										
557	Average Labor Rate for this division: \$62.89 per hour										