Tanacross Village Council

PO Box 76009

Tanacross, AK 99776-6009

President
Jerry Isaac
Vice President
Roy G. Denny
Members:
Dawn Jonathan
John Isaac
Diane Titus
Rose Isaac
Ray Sanford

RECEIVED
JUL 5 2005
DENALI COMMISSION

Tessa L. D. Rinner, MPA
Health Facilities Program Manager
Denali Commission
510 L Street, Suite 410
Anchorage, Alaska 99501

RE: Request for 3rd Party Cost Estimate for the Tanacross Multi-Use Facility

Dear Tessa,

Attached please find the 3rd party cost estimate you requested in your recent communication with Tanacross Village Council. The release of funds request will be forth coming to ANTHC for this estimate.

It appears the estimate provided by Dihthaad Global Services (DGS) and the 3rd party estimate is indeed very close at about a 2% difference between the two. You will note the 3rd party was asked to include a contingency and an escalation factor for inflation where DGS was specifically told they were bidding a fixed price on the schedule submitted therefore no contingency or escalation was allowed in their bid.

You will recall TVC placed an RFP on the street for the entire project with additive alternate award capability in the event only portions of the facility costs were made available to us. The numbers in the spreadsheet provided in past correspondence reflect the quotes received for the various divisions of work. The total construction cost value of this project is clearly: $4,057,356.82 - $4,144,017 based on the construction schedule provided in past correspondence. We all know, the longer it takes to complete the facility the more it will cost. The contingency cost and escalation costs given in the 3rd party estimate will only cover a short term delay in construction completion. That is why we again request the Denali Commission reconsider releasing funds to allow for the construction of the MUF/Clinic in Tanacross to stay on schedule.

The clinic portion of the MUF makes up about 2,500 square feet of the foot print of the MUF out of a total foot print of 10,000 square feet. Therefore, it accounts for 25% of the facility use. From our perspective it stands to reason the clinic should assume 25% of all infrastructure costs including but not limited to such things as: site clearing and grubbing, pad construction, excavation and foundation construction, Phase 1, EA, Permits, superstructure procurement and erection, heating and ventilating and electrical systems and of course utility tie-ins.

I again remind you that ANTHC did in fact direct us to move forward with final procurement and shipping of the super structure as well as excavation and construction of the foundations last fall. We were told to continue to use up all of TVC matching dollars to get as far as we could. We did so and now find our selves at a point where we have an open excavation with foundations in place but no money to close the excavations and pour the slabs. This makes the project site an extreme safety concern for the village of Tanacross. We feel we have been following the advice of ANTHC who is your construction manager and keeping them informed but now find ourselves in a grave position regarding this project. Now that you have this 3rd party estimate we request that you release clinic funds set aside for Tanacross to support this project.

907.883.5024 Office / 907.883.4497 Fax
E-mail: tanacros@aptalaska.net

Denali Commission money has been a great support to us helping to fund the community Center portion of the MUF to the tune of $425,654. This money along with TVC matching money of $609K to-date has made it possible for the project to come this far.

We are at a very crucial point this year with this project. We need to use the remaining part of this construction season to erect the building and get it closed-in for the winter. This will allow for the schedule to be maintained with interior finish work taking place throughout the winter.

The Denali Commission recognized a long time ago the original $671k set aside for this project was inadequate to build a clinic and has spent up to $1.2 for wood frame clinics elsewhere in Alaska. In Tanacross, we are going to complete this project at less cost per square foot as stick frame construction elsewhere and in the end we will have a commercial grade steel constructed facility! We think this could be a show case for Denali Commission on how to get good commercial grade construction in remote parts of Alaska replacing the stick built construction methods which have proven not to hold up, near as well, to weather conditions. Plus, this will allow us to eliminate several old run down wood buildings presently housing the functions slated to move into the MUF. This not only provides for a better quality of life and working environment but has the added benefit of reducing utility and heating costs since the old wood buildings have no energy efficiency systems built into them.

Our construction company (DGS) has been ahead of schedule on two other important Tanacross projects this summer. We are planning some well advertised ribbon cutting ceremonies in Tanacross this fall and preliminary discussions tell us they will be well attended. We are proud to finally getting off the ground with our projects and are proud to be in the cutting edge of such ideas as; Tax Credit Loans for new housing, 100% water and sewer connected housing, and Tribal owned for profit companies. We would like to show case the MUF and Denali Commission this fall along with the other projects while so many visitors and dignitaries tour the village. But I'm afraid without an immediate release of funds to allow the superstructure to move forward NOW, all they will see of this Denali Commission project this fall is a failed project.

Help us show case the MUF and Denali Commission this fall – Release funds for us to move forward TODAY!

Sincerely,

Jerry Isaac

Jerry Isaac
President

Attachments:

#1. 3rd Party MUF Project Cost Estimate

Serina,

I am very pleased with the progress on Tanacross Homes, our 20 low income single-family tax credit homes project. According to the reports, Tanacross Village is at least one month ahead of schedule and on budget. Tanacross Village and it's contracting arm, Dihthaad Global Services, is meeting expectations to make this project a success. The Community Health Center will be a valuable resource to the villagers of Tanacross and a complement to our homes project. I hope the Community Center project is progressing well and that you have received the necessary funds.

Please let me know if there is anything I can do in support of your efforts.

Respectfully,
Jan McKee
Key Community Development Corporation

Tanacross Multi-Use Community Health Center
Tanacross, Alaska

Construction Cost Estimate
Fair Cost Estimate
June 24, 2005

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

Prepared for:
Dihthadd Global Services, LLC
1000 Tanacross Boulevard
Tanacross, Alaska 99776
907.563.1215

Documents

Tanacross Multi-Use Community Health Center
Plans and Specifications dated 4Mar2004, by GPARCH Architects

Notes and Assumptions

1 Materials storage area will be designated near the building.
2 Labor rates based on Davis Bacon, 60 hours/week.
3 Weather, logistics and construction time window has been considered, assuming a spring start of construction.
4 Assumes a competitively bid procurement.
5 Substituted Asphalt for Concrete Paving

Tanacross Multi-Use Community Health Center
Tanacross, Alaska
Prepared for Dihthadd Global Services, LLC by Estimations

Construction Cost Estimate
Fair Cost Estimate
June 24, 2005

Description	Estimated Cost	Div.
Basic Bid		
01 - GENERAL REQUIREMENTS	$1,163,284	1
02 - SITEWORK	$369,913	2
03 - CONCRETE	$191,652	3
04 - MASONRY		4
05 - METALS	$91,433	5
06 - WOOD AND PLASTIC	$464,175	6
07 - THERMAL & MOISTURE PROTECTION	$194,581	7
08 - DOORS AND WINDOWS	$101,306	8
09 - FINISHES	$405,310	9
10 - SPECIALTIES	$24,600	10
11 - EQUIPMENT	$24,113	11
12 - FURNISHINGS		12
13 - SPECIAL CONSTRUCTION	$208,272	13
14 - CONVEYING		14
15 - MECHANICAL	$637,012	15
16 - ELECTRICAL	$268,366	16
Subtotal:	**$4,144,017**	**<<<<<**
Estimating Contingency: 5.0%	$207,201	
Escalation For Inflation: 6 Mths @ 6.0% 3.0%	$128,635	
Total Estimated Cost - Basic Bid:	**$4,479,853**	**<<<<<**

Tanacross Multi-Use Community Health Center

Tanacross, Alaska
Prepared for Dihthadd Global Services, LLC by Estimations

Construction Cost Estimate

Fair Cost Estimate
June 24, 2005

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
1	**01 - GENERAL REQUIREMENTS**										
2											
3	**Project Management**										
4	Project Manager - 8 Hr/Week	45	WEEKS			8.000	360.0	$32,155		$32,155	$32,155
5	Supervisor - 60 Hr/Week	43	WEEKS			60.000	2,580.0	$164,604		$164,604	$164,604
6											
7	**Subsistence**										
8	Room & Board	1,322	MANDAY	$100.00	$132,234					$132,234	$132,234
9											
10	**Travel**										
11	Air Fare/Anchorage and Fairbanks	30	EA	$400.00	$12,000					$12,000	$12,000
12											
13	**Small Tools & Consumables**	1	LS	$16,580.00	$16,580					$16,580	$16,580
14											
15	**Equipment**										
16	Pickup (2 Ea)	43	WEEKS						$20,067	$20,067	$20,067
17	Forklift (1 Ea)	32	WEEKS						$21,333	$21,333	$21,333
18	Flatbed (1 Ea)	43	WEEKS						$21,500	$21,500	$21,500
19	Manlift (1 Ea)	22	WEEKS						$9,900	$9,900	$9,900
20	Small Crane (1 Ea)	6	WEEKS						$15,000	$15,000	$15,000
21											
22	**Surface Freight**										
23	Seattle - Job Site	242	TONS	$160.00	$38,697	2.857	691.0	$42,322		$81,019	$81,019
24											
25	**Other Requirements**										
26	Project Meetings	10	EA			4.000	40.0	$1,786		$1,786	$1,786
27	Project Schedule										
28	CPM - Set Up	15,301	SF	$0.30	$4,590					$4,590	$4,590
29	Updates	9	MTHS	$350.00	$3,150					$3,150	$3,150
30	Project Layout	15,301	SF	$0.05	$765	0.007	107.1	$6,560		$7,325	$7,325
31	Quality Control	1	LS	$1,000.00	$1,000					$1,000	$1,000
32	Test Lab Services	20	EA	$250.00	$5,000					$5,000	$5,000
33											
34											
35											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
36											
37	Temporary Facilities										
38	Project Office Trailer	10	MTHS						$5,000	$5,000	$5,000
39	Office Equipment/Supplies	10	MTHS	$500.00	$5,000					$5,000	$5,000
40	Project Tool Sheds	10	MTHS						$2,000	$2,000	$2,000
41											
42	Project Safety Equipment	1	LS	$4,140.00	$4,140					$4,140	$4,140
43											
44	Temporary Services										
45	Chemical Toilets (2 Ea @ 125)	10	MTHS	$250.00	$2,500					$2,500	$2,500
46	Power	10	MTHS	$459.02	$4,590					$4,590	$4,590
47	Lighting	15,301	SF	$0.02	$306	0.002	30.6	$1,874		$2,180	$2,180
48	Heat Temporary	3	MOS	$2,500.00	$7,500					$7,500	$7,500
49											
50	Cleaning										
51	Progressive	15	MSF	$2.00	$31	1.143	17.5	$1,072	$31	$1,134	$1,134
52	Final	15	MSF	$2.00	$31	2.229	34.1	$2,089	$46	$2,166	$2,166
53	Windows	542	SF	$0.25	$136					$136	$136
54	Dumpsters	5	EA	$700.00	$3,500					$3,500	$3,500
55											
56	Record Documents	1	LS	$1,000.00	$1,000					$1,000	$1,000
57	Operations and Maintenance Manuals	1	LS	$500.00	$500	24.000	24.0	$1,072		$1,572	$1,572
58	Contract Closeout and Training	1	LS	$2,500.00	$2,500					$2,500	$2,500
59											
60											
61											
62											
63											
64											
65	**General Contractor Overhead & Profit**	12%									$428,987
66	**General Contractor Bond & Insurance**	3.5%									$140,136
67											
68	**Subtotal: 01 - GENERAL REQUIREMENTS: Cost based on 15,301 SF**				$245,750		3,884.3	$253,534	$94,877	$594,161	**$1,163,284**
69	Average Unit Price for this division is: $76.03 per SF										
70	Average Labor Rate for this division: $65.27 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
71											
72	**02 - SITEWORK**										
73											
74	**Clearing & Grubbing**										
75	Clear & Grub	2	ACRE	$5,500.00	$9,288					$9,288	$10,681
76											
77	**Earthwork, Grading and Drainage**										
78	Rough Grading	45,147	SF			0.010	451.5	$29,776	$2,709	$32,485	$37,358
79	Excavation Under Slab, 3 Ft	1,308	CY			0.014	18.3	$1,207	$2,242	$3,449	$3,966
80	Foundation Excavation	712	CY			0.014	10.0	$659	$1,220	$1,879	$2,161
81	Haul Exc To Waste	2,019	CY			0.014	28.3	$1,866	$3,462	$5,328	$6,127
82	NFS Fill - Underslab, 2.67 Ft	2,095	TONS	$2.00	$4,190	0.091	190.6	$12,570	$7,961	$24,721	$28,429
83	Backfill Foundations	1,352	TONS	$2.00	$2,705	0.091	123.1	$8,118	$5,139	$15,962	$18,356
84	Sand Base Course 4"	190	CY	$22.00	$4,170	0.100	19.0	$1,253	$758	$6,181	$7,108
85											
86	Excavation For Parking, Walks, Drives, 1.5 Ft	2,845	CY			0.014	39.8	$2,625	$4,877	$7,502	$8,627
87	Haul Exc To Waste	2,845	CY			0.063	179.2	$11,818	$6,223	$18,041	$20,747
88	NFS Fill - Parking, Roads & Walks, 2 Ft	5,405	TONS	$2.00	$10,810	0.091	491.8	$32,434	$20,539	$63,783	$73,350
89											
90	**02741 Hot Asphalt Paving**										
91	Roadway Asphalt 2" W/4" Base	3,656	SY	$26.48	$96,811					$96,811	$111,333
92	MOB & De-MOB Included Above										
93	Parking Wheel Stops	94	EA	$40.00	$3,760	0.500	47.0	$3,100	$1,410	$8,270	$9,511
94	Paint 4" Lines On Pavement	1,852	LF	$0.45	$833					$833	$958
95	HCP Parking Markings	4	EA	$15.00	$60	1.000	4.0	$264		$324	$373
96											
97	Walkway Asphalt 2" W/4" Base	223	SY	$26.48	$5,908					$5,908	$6,794
98											
99	**Site Improvements**										
100	New Signage	4	EA	$175.00	$700	1.500	6.0	$396		$1,096	$1,260
101											
102	**02751 Cement Concrete Pavement**		**NONE**								
103	See Hot Asphalt Paving Above										
104											
105											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
106											
107	**Sewer Piping , Arctic Pipe**	**90**	**LF**								
108	Trench Excavation W/Hyd. Exc. 5'	267	CY			0.053	14.2	$936	$767	$1,703	$1,958
109	Backfill In Trenches W/Excavated Matl	267	CY			0.053	14.2	$936	$767	$1,703	$1,958
110	Pipe Bedding	14	CY	$19.80	$267	0.050	0.7	$46	$44	$357	$410
111	4" Arctic Pipe	90	LF	$23.00	$2,070	0.257	23.1	$1,523		$3,593	$4,132
112	Arctic Pipe Cleanout	1	EA	$600.00	$600	5.000	5.0	$330		$930	$1,070
113	Pressure Testing	90	LF			0.030	2.7	$178		$178	$205
114											
115	**Water Main**	**90**	**LF**								
116	Trench Excavation W/Hyd. Exc.	225	CY			0.053	11.9	$785	$645	$1,430	$1,645
117	Backfill In Trenches	225	CY	$14.00	$3,150	0.053	11.9	$785	$645	$4,580	$5,267
118	Pipe Bedding	18	CY	$19.80	$356	0.050	0.9	$59	$59	$474	$545
119	2' Arctic Pipe	90	LF	$28.00	$2,520	0.314	28.3	$1,866		$4,386	$5,044
120	Connect To Existing	1	EA	$350.00	$350					$350	$403
121	Hydrostatic Testing	90	LF			0.020	1.8	$119		$119	$137
122											
123	**Landscaping**		**NONE**								
124											
125											
126											
127											
128											
129											
130											
131											
132											
133											
134											
135											
136											
137											
138	**Subtotal: 02 - SITEWORK: Cost based on 15,301 SF**				$148,548		1,723.3	$113,649	$59,464	$321,661	**$369,913**
139	Average Unit Price for this division is: $24.18 per SF										
140	Average Labor Rate for this division: $65.95 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
141											
142	**03 - CONCRETE**										
143											
144	**Footings - Thickened Slab, 12" Wide**	**290**	**LF**								
145	Forms	290	LF	$0.85	$246	0.100	29.0	$1,933		$2,179	$2,179
146	Re-steel	1,730	LBS	$0.75	$1,297	0.027	46.7	$3,113		$4,410	$4,410
147	Concrete	8	CY	$185.00	$1,563	1.286	10.9	$727	$127	$2,417	$2,417
148											
149	**Footings - Thickened Slab, 36" Wide**	**65**	**LF**								
150	Forms	65	LF	$0.85	$55	0.100	6.5	$433		$488	$488
151	Re-steel	693	LBS	$0.75	$519	0.027	18.7	$1,247		$1,766	$1,766
152	Concrete	4	CY	$185.00	$818	1.286	5.7	$380	$66	$1,264	$1,264
153											
154	**Footings - Thickened Slab, 60" Wide**	**65**	**LF**								
155	Forms	65	LF	$0.85	$55	0.100	6.5	$433		$488	$488
156	Re-steel	962	LBS	$0.75	$722	0.027	26.0	$1,733		$2,455	$2,455
157	Concrete	7	CY	$185.00	$1,286	1.286	8.9	$593	$104	$1,983	$1,983
158	Anchor Bolts	70	EA	$7.00	$492	0.314	22.1	$1,473		$1,965	$1,965
159											
160	**Footings - Columns A, 5'x5'**	**6**	**EA**								
161	Forms	120	SF	$1.06	$127	0.125	15.0	$1,000		$1,127	$1,127
162	Re-steel	438	LBS	$0.75	$329	0.027	11.8	$787		$1,116	$1,116
163	Concrete	6	CY	$185.00	$1,079	1.286	7.5	$500	$88	$1,667	$1,667
164											
165	**Footings - Columns B, 3'x3'**	**17**	**EA**								
166	Forms	204	SF	$1.06	$216	0.125	25.5	$1,700		$1,916	$1,916
167	Re-steel	426	LBS	$0.75	$319	0.027	11.5	$767		$1,086	$1,086
168	Concrete	6	CY	$185.00	$1,101	1.286	7.7	$513	$89	$1,703	$1,703
169											
170	**Footings - Columns C, 5'x5'**	**8**	**EA**								
171	Forms	160	SF	$1.06	$170	0.125	20.0	$1,333		$1,503	$1,503
172	Re-steel	584	LBS	$0.75	$438	0.027	15.8	$1,053		$1,491	$1,491
173	Concrete	8	CY	$185.00	$1,439	1.286	10.0	$667	$117	$2,223	$2,223
174											
175											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
176											
177	**Footings - Columns D, 2'x2'**	**1**	**EA**								
178	Forms	8	SF	$1.06	$8	0.125	1.0	$67		$75	$75
179	Re-steel	17	LBS	$0.75	$13	0.027	0.5	$33		$46	$46
180	Concrete	0.16	CY	$185.00	$29	1.286	0.2	$13	$2	$44	$44
181	Anchor Bolts	4	EA	$7.00	$28	0.314	1.3	$87		$115	$115
182											
183	**Column Piers, Type A**	**6**	**EA**								
184	Forms	144	SF	$1.06	$153	0.125	18.0	$1,200		$1,353	$1,353
185	Re-steel	322	LBS	$0.75	$242	0.027	8.7	$580		$822	$822
186	Concrete	2	CY	$185.00	$389	1.286	2.7	$180	$32	$601	$601
187	Anchor Bolts	24	EA	$7.00	$168	0.314	7.5	$500		$668	$668
188											
189	**Column Piers, Type B**	**17**	**EA**								
190	Forms	362	SF	$1.06	$383	0.125	45.2	$3,013		$3,396	$3,396
191	Re-steel	698	LBS	$0.75	$523	0.027	18.8	$1,253		$1,776	$1,776
192	Concrete	5	CY	$185.00	$865	1.286	6.0	$400	$70	$1,335	$1,335
193	Anchor Bolts	68	EA	$7.00	$476	0.314	21.4	$1,427		$1,903	$1,903
194											
195	**Column Piers, Type C**	**8**	**EA**								
196	Forms	224	SF	$1.06	$237	0.125	28.0	$1,867		$2,104	$2,104
197	Re-steel	132	LBS	$0.75	$99	0.027	3.6	$240		$339	$339
198	Concrete	4	CY	$185.00	$691	1.286	4.8	$320	$56	$1,067	$1,067
199	Anchor Bolts	32	EA	$7.00	$224	0.314	10.0	$667		$891	$891
200											
201	**Round Column/Pier Forms**										
202	Sonotube - 16"	8	VLF	$5.40	$43	0.229	1.8	$120		$163	$163
203	Resteel	70	LBS	$0.75	$53	0.027	1.9	$127		$180	$180
204	Concrete	1	CY	$185.00	$185	1.286	1.3	$87	$15	$287	$287
205											
206	**Foundation Walls**	**484**	**LF**								
207	Forms	3,871	SF	$0.85	$3,290	0.100	387.1	$25,806		$29,096	$29,096
208	Re-steel	11,612	LBS	$0.75	$8,709	0.027	313.5	$20,900		$29,609	$29,609
209	Concrete	38	CY	$185.00	$6,962	1.286	48.4	$3,227	$564	$10,753	$10,753
210											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
211											
212	**Slab On Grade 4"**	**10,235**	**SF**								
213	WWF	10,235	SF	$0.20	$2,047	0.006	61.4	$4,093		$6,140	$6,140
214	Concrete	133	CY	$185.00	$24,544	1.575	209.0	$13,933	$1,990	$40,467	$40,467
215	Finish - Subcontract	10,235	SF	$0.65	$6,653					$6,653	$6,653
216	Control Joints	1,295	LF	$0.50	$647	0.040	51.8	$3,453		$4,100	$4,100
217	Cure	10,235	SF	$0.02	$205	0.002	20.5	$1,367		$1,572	$1,572
218											
219	**Gypcrete Topping Slab 1.5"**	**5,066**	**SF**								
220	Gypcrete	25	CY	$231.25	$5,781	1.575	39.4	$2,627	$375	$8,783	$8,783
221	Finish - Subcontract	5,066	SF	$0.65	$3,293					$3,293	$3,293
222	Cure	5,066	SF	$0.02	$101	0.002	10.1	$673		$774	$774
223											
224											
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231											
232											
233											
234											
235	**Subtotal: 03 - CONCRETE: Cost based on 15,301 SF**				$79,312		1,629.7	$108,645	$3,695	$191,652	**$191,652**
236	Average Unit Price for this division is: $12.53 per SF										
237	Average Labor Rate for this division: $66.67 per hour										
238											
239	**04 - MASONRY**		**NONE**								
240											
241											
242											
243	**Subtotal: 04 - MASONRY: Cost based on 15,301 SF**										
244	Average Unit Price for this division is: $0.00 per SF										
245	Average Labor Rate for this division: $0.00 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
246											
247	**05 - METALS**										
248											
249	**05120 Structural Steel**										
250	Stair - Steel Frame	44	RISERS	$128.00	$5,632	1.143	50.3	$3,689		$9,321	$11,651
251	Stair Landing	40	SF	$45.00	$1,800	0.200	8.0	$587		$2,387	$2,984
252											
253	**Miscellaneous Metals**										
254	Misc Metals	15,301	SF	$0.05	$765	0.001	15.3	$1,122		$1,887	$2,359
255	Stair Guardrail/Handrail	57	LF	$125.00	$7,125	0.329	18.8	$1,379		$8,504	$10,630
256	Handrailing, 1 1/2" at Stairs	57	LF	$16.50	$941	0.114	6.5	$477		$1,418	$1,773
257	Framing Hardware	15,301	SF	$0.15	$2,295					$2,295	$2,869
258											
259	**05400 Cold-Formed Metal Framing**										
260	Metal Framing 3-5/8" 20 Ga 16" o.c.	19,780	SF	$0.65	$12,857	0.019	375.8	$22,573		$35,430	$38,973
261	Metal Framing 6" 18 GA 16" o.c.	5,476	SF	$1.73	$9,474	0.027	147.9	$8,884		$18,358	$20,194
262											
263											
264											
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277											
278	**Subtotal: 05 - METALS: Cost based on 15,301 SF**				$40,889		622.6	$38,711		$79,600	**$91,433**
279	Average Unit Price for this division is: $5.98 per SF										
280	Average Labor Rate for this division: $62.18 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
281											
282	**06 - WOOD AND PLASTIC**										
283											
284	**06100 Rough Carpentry**										
285	**Partitions**										
286	Blocking	1	LS	$1,000.00	$1,000					$1,000	$1,000
287	MDO 5/8"	1,888	SF	$1.58	$2,982	0.017	32.1	$2,140		$5,122	$5,122
288											
289	**Shearwalls**										
290	Plywood For Shearwalls, 1/2" CDX	19,932	SF	$0.65	$12,956	0.017	338.8	$22,586		$35,542	$35,542
291	Holddowns	24	EA	$25.00	$600	1.500	36.0	$2,400		$3,000	$3,000
292											
293	**Floor Framing**										
294	Floor Deck, 7/8" T&G Ply	5,066	SF	$1.60	$8,106	0.019	96.3	$6,420		$14,526	$14,526
295											
296	**Structural Glued Laminated Timber**										
297	GLB To Support Deck, 5-1/8"x12"	282	BF	$1.65	$466	0.013	3.7	$247		$713	$713
298											
299	**Prefab Wood Trusses**										
300	Floor Joists 18" BCI/650 at 24" O.C.	1,575	LF	$6.65	$10,474	0.036	56.7	$3,780		$14,254	$14,254
301	Floor Joists 18" BCI/900 at 24" O.C.	825	LF	$7.50	$6,188	0.036	29.7	$1,980		$8,168	$8,168
302											
303	**06120 Structural Panels**										
304	SIP Roof Panels - 6"	11,050	SF	$10.00	$110,497	0.063	696.1	$46,406		$156,903	$156,903
305	SIP Wall Panels - 4-1/2"	13,493	SF	$9.50	$128,186	0.070	944.5	$62,966		$191,152	$191,152
306											
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315											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
316											
317	**06401 Exterior Architectural Woodwork**										
318	1"x2" Wood Battens	5,057	LF	$0.20	$1,011	0.015	75.9	$5,060		$6,071	$6,071
319	3/4" Plywood Facia	667	SF	$1.31	$874	0.021	14.0	$933		$1,807	$1,807
320	2"x12" Facia Board	972	BF	$0.83	$807	0.025	24.3	$1,620		$2,427	$2,427
321											
322	**06402 Interior Architectural Woodwork**										
323	Solid Surface Window Sills	204	SF	$30.00	$6,120					$6,120	$6,120
324	Base Cabinets	12.5	LF	$170.00	$2,125	0.386	4.8	$288		$2,413	$2,654
325	Base Cabinets, Exams	18	LF	$170.00	$3,060	0.386	6.9	$414		$3,474	$3,821
326	Countertops, Plam	30.5	LF	$27.00	$824	0.100	3.1	$186		$1,010	$1,111
327	Wall Cabinets	37	LF	$90.00	$3,285	0.314	11.5	$691		$3,976	$4,374
328	Countertops, Plam Self Supported	31.5	LF	$52.00	$1,638	0.100	3.2	$192		$1,830	$2,013
329	Reception Counter and Service Counter	11	LF	$150.00	$1,575	0.800	8.4	$505		$2,080	$2,288
330	Vanity Counters	18	LF	$50.00	$900	0.100	1.8	$108		$1,008	$1,109
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347											
348	**Subtotal: 06 - WOOD AND PLASTIC: Cost based on 15,301 SF**				$303,674		2,387.8	$158,922		$462,596	**$464,175**
349	Average Unit Price for this division is: $30.34 per SF										
350	Average Labor Rate for this division: $66.56 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
351											
352	**07 - THERMAL & MOISTURE PROTECTION**										
353											
354	**07115 Dampproofing**										
355	Bituminous Dampproofing	1,779	SF	$0.40	$712	0.019	33.8	$2,357		$3,069	$3,683
356											
357	**07210 Building Insulation**										
358	2" Rigid at Grade Beam	1,779	SF	$1.00	$1,779	0.007	12.5	$751		$2,530	$2,783
359	2" Rigid Under Slab Perimeter	1,779	SF	$1.00	$1,779	0.007	12.5	$751		$2,530	$2,783
360	Sound Insulation	3,419	SF	$0.25	$855	0.003	10.3	$619		$1,474	$1,621
361	3" Ceiling Sound Attenuation Blanket	1,335	SF	$0.40	$534	0.009	12.0	$721		$1,255	$1,381
362											
363	**Vapor Retarders**										
364	Air Barrier	13,493	SF	$0.16	$2,159	0.003	40.5	$2,700		$4,859	$4,859
365	Vapor Retarder, 6 Mil	13,493	SF	$0.08	$1,079	0.003	40.5	$2,700		$3,779	$3,779
366	Vapor Retarder, 10 Mil (Underslab)	10,235	SF	$0.12	$1,228	0.002	20.5	$1,367		$2,595	$2,595
367											
368	**07460 Siding**										
369	**Fiber-Cement Siding**										
370	Hardiplank Lap Siding, Colonial Roughsawn, 8" With 6-3/4" Exposure	1,779	SF	$1.02	$1,815	0.039	69.4	$4,627		$6,442	$6,442
371	15# Felt	1,779	SF	$0.06	$107	0.003	5.3	$353		$460	$460
372	Harditrim - 1-1/4"	845	LF	$3.00	$2,534	0.030	25.3	$1,687		$4,221	$4,221
373											
374	**Preformed Metal Roofing**	**11,050**	**SF**								
375	Standing Seam Metal Roofing, 22Ga	11,050	SF	$4.25	$46,961	0.057	629.8	$43,926		$90,887	$109,064
376	Ice & Water Shield	11,050	SF	$0.29	$3,204	0.007	77.3	$5,391		$8,595	$10,314
377	Substrate	11,050	SF	$0.25	$2,762	0.006	66.3	$4,624		$7,386	$8,863
378	Furring	11,050	SF	$0.40	$4,420	0.019	209.9	$14,640		$19,060	$22,872
379											
380											
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382											
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384											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
385											
386	**Firestopping**	1	LS	$1,000.00	$1,000					$1,000	$1,200
387											
388	**Flashing & Sheet Metal**										
389	Base Flashing	445	LF	$2.00	$890	0.040	17.8	$1,241		$2,131	$2,557
390	Misc Flashings	222	LF	$2.00	$445	0.040	8.9	$621		$1,066	$1,279
391											
392	**Joint Sealants**	15,301	SF	$0.05	$765	0.003	45.9	$3,060		$3,825	$3,825
393											
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416											
417	**Subtotal: 07 - THERMAL & MOISTURE PROTECTION: Cost based on 15,301 SF**				$75,028		1,338.5	$92,136		$167,164	**$194,581**
418	Average Unit Price for this division is: $12.72 per SF										
419	Average Labor Rate for this division: $68.84 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
420											
421	**08 - DOORS AND WINDOWS**										
422											
423	**08110 Steel Doors & Frames**										
424	HM Insulated 3'0"x7'0"	3	EA	$400.00	$1,200	2.000	6.0	$400		$1,600	$1,600
425	HM Insulated 3'0"x7'0" Dbl	2	PAIR	$800.00	$1,600	3.000	6.0	$400		$2,000	$2,000
426	HM Door, 3'0"x7'0"	11	EA	$400.00	$4,400	2.000	22.0	$1,467		$5,867	$5,867
427	HM Door, PR 3'0"x7'0"	1	PAIR	$800.00	$800	3.000	3.0	$200		$1,000	$1,000
428	Insul. HM Frame	6	EA	$220.00	$1,320	1.500	9.0	$600		$1,920	$1,920
429	Wood Frames	32	EA	$130.00	$4,160	1.000	32.0	$2,133		$6,293	$6,293
430	Add For 45 Min FR	7	EA	$100.00	$700					$700	$700
431	Add For 90 Min FR	4	EA	$250.00	$1,000					$1,000	$1,000
432	Add For Half Glass	1	EA	$150.00	$150					$150	$150
433											
434	**08211 Wood Doors**										
435	Solid Core Wood Flush Door 3x7	21	EA	$450.00	$9,450	1.500	31.5	$2,100		$11,550	$11,550
436											
437	**08560 Vinyl Windows**	542	SF	$38.00	$20,608	0.143	77.6	$5,173		$25,781	$25,781
438											
439	**08582 Pass Window**	2	EA	$400.00	$800	2.000	4.0	$245		$1,045	$1,045
440											
441	**08711 Finish Hardware**										
442	Int Hardware Sets	33	EA	$900.00	$29,700	1.000	33.0	$2,200		$31,900	$31,900
443	Ext Hardware Set	5	EA	$1,900.00	$9,500	3.000	15.0	$1,000		$10,500	$10,500
444											
445	**08800 Glazing**										
446	Priced Above										
447											
448											
449											
450											
451											
452	**Subtotal: 08 - DOORS AND WINDOWS: Cost based on 15,301 SF**				$85,388		239.1	$15,918		$101,306	**$101,306**
453	Average Unit Price for this division is: $6.62 per SF										
454	Average Labor Rate for this division: $66.57 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
455											
456	**09 - FINISHES**										
457											
458	**09260 - Gypsum Board**										
459	GWB 5/8" Walls	41,460	SF	$0.33	$13,682	0.019	787.7	$47,313		$60,995	$67,095
460	Tape & Finish	42,720	SF	$0.12	$5,126	0.021	897.1	$53,885		$59,011	$64,912
461	Suspended GWB Ceilings	997	SF	$2.60	$2,592	0.057	56.8	$3,412		$6,004	$6,604
462	Column Covers	3,960	SF	$1.40	$5,544	0.040	158.4	$9,514		$15,058	$16,564
463	**09310 - Ceramic Tile**										
464	Ceramic Floor Tile	593	SF	$4.50	$2,669	0.107	63.5	$4,004		$6,673	$8,341
465	CBB	1,260	SF	$0.45	$567	0.010	12.6	$794		$1,361	$1,701
466	CT Base	214	LF	$3.75	$804	0.107	22.9	$1,444		$2,248	$2,810
467											
468	**09510 - Acoustical Ceilings**										
469	Acoustical Suspended Ceilings	10,891	SF	$2.20	$23,960	0.023	250.5	$17,279		$41,239	$51,549
470	**09652 - Sheet Vinyl Flooring**										
471	Armstrong Medintech	1,826	SF	$5.00	$9,130	0.029	53.0	$3,225		$12,355	$14,826
472											
473	**09653 Resilient Wall Base**										
474	Resilient Base	2,012	LF	$0.77	$1,549	0.019	38.2	$2,325		$3,874	$4,649
475	**09680 - Carpet**										
476	Carpet, Comml Glue Down	7,146	SF	$3.00	$21,438	0.019	135.8	$8,264		$29,702	$35,642
477											
478	**09775 Sanitary Wall Panels**										
479	FRP	2,634	SF	$1.80	$4,742	0.024	63.2	$3,796		$8,538	$9,392
480	**09912 - Painting**										
481	Paint	26,157	SF	$0.08	$2,093	0.020	523.1	$31,420		$33,513	$38,540
482	Paint Exterior	13,493	SF	$0.22	$2,969	0.021	283.4	$17,023		$19,992	$22,991
483	Concrete Epoxy Sealer - Primer, Epoxy & Seale	5,670	SF	$2.03	$11,510	0.108	612.4	$36,784		$48,294	$55,538
484	Paint Doors & Frames	38	EA	$5.00	$190	1.500	57.0	$3,424		$3,614	$4,156
485											
486											
487	**Subtotal: 09 - FINISHES: Cost based on 15,301 SF**				$108,565		4,015.6	$243,906		$352,471	**$405,310**
488	Average Unit Price for this division is: $26.49 per SF										
489	Average Labor Rate for this division: $60.74 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
490											
491	**10 - SPECIALTIES**										
492											
493	**10155 Toilet Compartments**										
494	Standard Compartments	4	EA	$800.00	$3,200	3.000	12.0	$721		$3,921	$4,313
495	H.C. Compartments	2	EA	$900.00	$1,800	3.000	6.0	$360		$2,160	$2,376
496	**10260 Impact Resistant Wall Protection**										
497	Corner Protectors	5	EA	$45.00	$225	0.500	2.5	$150		$375	$413
498	Wall Bumpers	125	LF	$12.00	$1,500	0.080	10.0	$601		$2,101	$2,311
499											
500	**Signage**	1	LS	$5,000.00	$5,000					$5,000	$5,500
501											
502	**10520 Fire Protection Specialties**										
503	FEC	1	EA	$175.00	$175	1.000	1.0	$60		$235	$259
504	FE Bracket Mounted	2	EA	$55.00	$110	0.500	1.0	$60		$170	$187
505	**10801 Toilet & Bath Accessories**										
506	Toilet Paper Dispenser	9	EA	$81.20	$731	0.500	4.5	$270		$1,001	$1,101
507	Soap Dispensers	6	EA	$48.90	$293	0.500	3.0	$180		$473	$520
508	Seat Cover Dispenser	9	EA	$52.70	$474	0.250	2.3	$138		$612	$673
509	Shower Seat - Handicap, None Shown										
510	Robe Hooks	1	EA	$10.75	$11	0.250	0.3	$18		$29	$32
511	Shower Curtain Rod	1	EA	$32.20	$32	0.650	0.7	$42		$74	$81
512	Shower Curtain W/Hooks	1	EA	$28.00	$28	0.250	0.3	$18		$46	$51
513	Paper Towel/Waste - Recessed	5	EA	$527.80	$2,639	1.500	7.5	$450		$3,089	$3,398
514	Paper Towel Dispenser - Surface Mount	1	EA	$75.65	$76	0.500	0.5	$30		$106	$117
515	Grab Bar, Single Bar, 36"	5	EA	$42.00	$210	0.743	3.7	$222		$432	$475
516	Grab Bar, Single Bar, 42"	6	EA	$50.00	$300	0.743	4.5	$270		$570	$627
517	Sanitary Napkin Disposal, 1 Compart.	7	EA	$21.20	$148	0.500	3.5	$210		$358	$394
518	Mirror 24" X 36"	9	EA	$101.00	$909	0.743	6.7	$402		$1,311	$1,442
519	Under Lavatory Guard	5	EA	$27.00	$135	0.250	1.3	$78		$213	$234
520	Janitor Mop/Broom Holder	1	EA	$45.45	$45	0.743	0.7	$42		$87	$96
521											
522	**Subtotal: 10 - SPECIALTIES: Cost based on 15,301 SF**				$18,041		72.0	$4,322		$22,363	**$24,600**
523	Average Unit Price for this division is: $1.61 per SF										
524	Average Labor Rate for this division: $60.03 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
525											
526	**11 - EQUIPMENT**										
527											
528	**11452 Appliances**										
529	Range/Oven - Gas 36" Viking VGIC365	1	EA	$6,581.30	$6,581	1.500	1.5	$90		$6,671	$7,338
530	Range Hood - Viking VWH3648	1	EA	$1,365.10	$1,365	2.000	2.0	$120		$1,485	$1,634
531	600 CFM Blower	1	EA	$455.40	$455	3.000	3.0	$213		$668	$868
532	Refrigerator/Freezer - Viking VCBB363	2	EA	$5,788.00	$11,576	1.500	3.0	$180		$11,756	$12,932
533	Combination Washer/Dryer - Whirlpool LTG6234DQ	1	EA	$1,099.00	$1,099	2.000	2.0	$120		$1,219	$1,341
534											
535	**11455 Cabinetry**										
536	See Interior Architectural Woodwork 06402										
537											
538											
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556	**Subtotal: 11 - EQUIPMENT: Cost based on 15,301 SF**				$21,076		11.5	$723		$21,799	**$24,113**
557	Average Unit Price for this division is: $1.58 per SF										
558	Average Labor Rate for this division: $62.87 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
559											
560	**12 - FURNISHINGS**										
561											
562	**Floor Mats - N.I.C.**										
563											
564	**12500 Window Blinds - N.I.C.**										
565											
566	**Furniture and Accessories - Not Included In The Estimate**										
567											
568											
569											
570											
571	**Subtotal: 12 - FURNISHINGS: Cost based on 15,301 SF**										
572	Average Unit Price for this division is: $0.00 per SF										
573	Average Labor Rate for this division: $0.00 per hour										
574											
575	**13 - SPECIAL CONSTRUCTION**										
576											
577	**Pre Engineered Metal Building**										
578	Pre Engineered Metal Building, Frame	10,235	SF	$7.60	$77,784	0.080	818.8	$60,046	$8,188	$146,018	$182,522
579	General Requirements & Supervision	4	WEEKS	$750.00	$3,000	60.000	240.0	$17,600		$20,600	$25,750
580											
581											
582											
583	**Subtotal: 13 - SPECIAL CONSTRUCTION: Cost based on 15,301 SF**				$80,784		1,058.8	$77,646	$8,188	$166,618	**$208,272**
584	Average Unit Price for this division is: $13.61 per SF										
585	Average Labor Rate for this division: $73.33 per hour										
586											
587	**14 - CONVEYING**		**NONE**								
588											
589											
590											
591	**Subtotal: 14 - CONVEYING: Cost based on 15,301 SF**										
592	Average Unit Price for this division is: $0.00 per SF										
593	Average Labor Rate for this division: $0.00 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
594											
595	**15 - MECHANICAL**										
596											
597	**15010 General Conditions**										
598	Submittals	80	HRS	$5.00	$400	1.000	80.0	$3,573		$3,973	$3,973
599	Supervision	16	WEEKS			20.000	320.0	$20,416	$1,000	$21,416	$21,416
600	Materials Control	16	WEEKS			20.000	320.0	$8,166	$1,100	$9,266	$9,266
601	Bond and Insurance (1%)	1	LS	$6,400.00	$6,400					$6,400	$6,400
602	Tools and Equipment (1% of Labor)	1	LS						$2,500	$2,500	$2,500
603											
604	**15260 Piping Insulation**										
605	Fiberglass Pipe Insulation, 1" Thick W/ASJ										
606	Domestic Hot/Cold Water										
607	3/4" Pipe, Fittings	125	LF	$1.50	$188	0.070	8.8	$596		$784	$941
608	1" Pipe, Fittings	120	LF	$1.53	$184	0.073	8.8	$596		$780	$936
609	1-1/4" - 1/2" Pipe, Fittings	85	LF	$1.86	$158	0.076	6.5	$440		$598	$718
610	2" Pipe, Fittings	60	LF	$2.03	$122	0.080	4.8	$325		$447	$536
611	Hydronic										
612	3/4" Pipe, Fittings	580	LF	$1.50	$870	0.070	40.6	$2,748		$3,618	$4,342
613	1" Pipe, Fittings	175	LF	$1.53	$268	0.073	12.8	$866		$1,134	$1,361
614	1-1/4" - 1-1/2" Pipe, Fittings	120	LF	$1.86	$223	0.076	9.1	$616		$839	$1,007
615	2" Pipe, Fittings	100	LF	$2.03	$203	0.080	8.0	$541		$744	$893
616	2-1/2" - 3" Pipe, Fittings	100	LF	$2.53	$253	0.089	8.9	$602		$855	$1,026
617	Sched 40 Blk Steel										
618	4" Pipe, Fittings	100	LF	$3.26	$326	0.107	10.7	$724		$1,050	$1,260
619	6" Pipe, Fittings	100	LF	$3.99	$399	0.133	13.3	$900		$1,299	$1,559
620	VTR	2	EA	$20.00	$40	1.400	2.8	$189		$229	$275
621											
622	**15290 Ductwork Insulation**										
623	Glass Fiber, Flexible Ductwrap, .75 Lb, FSK										
624	2" Thick (Typ For O/A Ducts, Round)	310	SF	$0.34	$105	0.053	16.4	$1,110		$1,215	$1,458
625											
626	Glass Fiber, Fire Resistant Liner, 1-1/2 Lb										
627	1" Thick (Typ For S/A Ducts, Round)	3,050	SF	$0.46	$1,403	0.046	140.3	$9,495		$10,898	$13,078
628	2" Thick (Typ For S/A Ducts, Round)	2,540	SF	$0.95	$2,413	0.053	134.6	$9,109		$11,522	$13,826

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
629											
630	**15330 Fire Protection Systems**										
631	None Shown										
632											
633	**15400 Plumbing Piping**										
634	Below Grade DWV, Cast Iron No-Hub										
635	1-1/2" - 2" Pipe & Fittings	110	LF	$4.71	$518	0.254	27.9	$1,918		$2,436	$3,167
636	3" Pipe & Fittings	80	LF	$6.35	$508	0.267	21.4	$1,472		$1,980	$2,574
637	4" Pipe & Fittings	175	LF	$7.95	$1,391	0.291	50.9	$3,500		$4,891	$6,358
638	Rain Leader, Svc Wt Cast Iron										
639	3" Pipe & Fittings	50	LF	$6.35	$318	0.267	13.4	$921		$1,239	$1,611
640	Domestic HW/CW Supply, Type L Copper										
641	1/2" Pipe, Fittings	150	LF	$1.54	$231	0.099	14.9	$1,025		$1,256	$1,633
642	3/4" Pipe, Fittings	125	LF	$2.07	$259	0.105	13.1	$901		$1,160	$1,508
643	1" Pipe, Fittings	120	LF	$2.70	$324	0.118	14.2	$976		$1,300	$1,690
644	1-1/4" - 1-1/2" Pipe, Fittings	85	LF	$4.25	$361	0.154	13.1	$901		$1,262	$1,641
645	2" Pipe, Fittings	60	LF	$6.35	$381	0.190	11.4	$784		$1,165	$1,515
646	Domestic HW/CW, Ductile Iron										
647	4" Pipe, Fittings	100	LF	$13.89	$1,389	0.200	20.0	$1,375		$2,764	$3,593
648	Sterilization	1	LS	$25.00	$25	12.800	12.8	$880		$905	$1,177
649											
650	**15440 Plumbing Fixtures and Trim**										
651	T-1: Water Closet, Flush Valve	4	EA	$613.16	$2,453	8.000	32.0	$2,200		$4,653	$6,049
652	T-2: Wall Hung Water Closet, ADA	5	EA	$781.77	$3,909	8.000	40.0	$2,750		$6,659	$8,657
653	L-1: Countertop Lavatory	4	EA	$454.00	$1,816	5.000	20.0	$1,375		$3,191	$4,148
654	L-2: Countertop Lavatory, ADA	2	EA	$524.00	$1,048	8.000	16.0	$1,100		$2,148	$2,792
655	UR-1: Wall Hung Urinal	2	EA	$355.00	$710	8.000	16.0	$1,100		$1,810	$2,353
656	SH-1: Staff Shower	1	EA	$465.00	$465	12.000	12.0	$825		$1,290	$1,677
657	DF-1: Drinking Fountain, St. Stl., ADA	1	EA	$610.00	$610	6.000	6.0	$413		$1,023	$1,330
658	HB-1: Hose Bibb, T-Handle	2	EA	$25.00	$50	4.000	8.0	$550		$600	$780
659	CS-1: St. Stl. Sink	4	EA	$390.00	$1,560	8.000	32.0	$2,200		$3,760	$4,888
660	CS-3: St. Stl. Sink, Three Compartment	1	EA	$670.00	$670	8.000	8.0	$550		$1,220	$1,586
661	WB-1: Washer Wall Box, Flush Mtd	1	EA	$45.00	$45	4.000	4.0	$275		$320	$416
662	PREP: Food Preparation Sink	1	EA	$785.00	$785	8.000	8.0	$550		$1,335	$1,736
663	MSB-1: Mop Service Basin	1	EA	$800.00	$800	8.000	8.0	$550		$1,350	$1,755

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
664											
665	**15450 Plumbing Specialties, Equipment**										
666	Floor Drains										
667	2", Cast Iron Body, Ni-Bronze Grate	4	EA	$85.00	$340	1.600	6.4	$440		$780	$1,014
668	3", Cast Iron Body, Ni-Bronze Grate	1	EA	$92.00	$92	1.600	1.6	$110		$202	$263
669	Floor Sink, 3", Enameled CI Body	4	EA	$126.00	$504	1.600	6.4	$440		$944	$1,227
670	4" Floor Cleanouts	8	EA	$65.00	$520	1.330	10.6	$729		$1,249	$1,624
671	4" Yard Cleanout	1	EA	$85.00	$85	1.330	1.3	$89		$174	$226
672	Vent Thru Roof, 4"	2	EA	$65.00	$130	1.000	2.0	$138		$268	$348
673	Water Hammer Arresters										
674	PDI Type A	2	EA	$56.00	$112	0.800	1.6	$110		$222	$289
675	PDI Type B	2	EA	$75.00	$150	0.800	1.6	$110		$260	$338
676	Trap Primer	2	EA	$100.00	$200	1.500	3.0	$206		$406	$528
677	Grease Interceptor	1	EA	$1,625.00	$1,625	3.000	3.0	$206		$1,831	$2,380
678	HWM-1: Hot Water Maker, 120 Gal, Amtrol	1	EA	$2,150.00	$2,150	10.000	10.0	$688		$2,838	$3,689
679											
680	**15500 Hydronic Piping & Equipment**										
681	**Pipe & Fittings, Copper Type L**										
682	Heating System Piping, Copper Type L										
683	3/4" Pipe, Fittings	580	LF	$2.07	$1,201	0.105	60.9	$4,188		$5,389	$7,006
684	1" Pipe, Fittings	175	LF	$2.70	$473	0.118	20.7	$1,423		$1,896	$2,465
685	1-1/4" - 1-1/2" Pipe, Fittings	120	LF	$4.25	$510	0.154	18.5	$1,272		$1,782	$2,317
686	2" Pipe, Fittings	100	LF	$6.35	$635	0.190	19.0	$1,306		$1,941	$2,523
687	2-1/2" - 3" Pipe, Fittings	100	LF	$12.65	$1,265	0.286	28.6	$1,967		$3,232	$4,202
688	Sched 40 Blk Steel										
689	4" Pipe, Fittings	100	LF	$13.89	$1,389	0.200	20.0	$1,375		$2,764	$3,593
690	6" Pipe, Fittings	100	LF	$24.22	$2,422	0.348	34.8	$2,393		$4,815	$6,260
691	8" Pipe, Fittings	100	LF	$39.49	$3,949	0.400	40.0	$2,750		$6,699	$8,709
692											
693											
694											
695											
696											
697											
698											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
699											
700	**Hydronic Specialties**										
701	Auto Air Vent, High Capacity	1	EA	$575.00	$575	1.330	1.3	$89		$664	$863
702	Air Separator	1	EA	$1,420.00	$1,420	8.000	8.0	$550		$1,970	$2,561
703	Expansion Tanks										
704	Diaphragm Type Expansion Tank, 62 Gal	1	EA	$575.00	$575	3.000	3.0	$206		$781	$1,015
705	DHW Expansion Tank	1	EA	$150.00	$150	2.000	2.0	$138		$288	$374
706	ET-2: Expansion Tank, 4.4 Gal	1	EA	$95.00	$95	2.000	2.0	$138		$233	$303
707	Well X-TROL Tank, 2 Gal	1	EA	$85.00	$85	1.500	1.5	$103		$188	$244
708	Relief Valve, ASME	2	EA	$135.00	$270	2.000	4.0	$275		$545	$709
709	Pressure Gauges	4	EA	$65.00	$260	0.500	2.0	$138		$398	$517
710	Thermometers	6	EA	$45.00	$270	0.500	3.0	$206		$476	$619
711	Pump, Equipment Flex Connector	4	EA	$150.00	$600	1.000	4.0	$275		$875	$1,138
712	Glycol System										
713	Mixing Tank	1	EA	$850.00	$850	6.000	6.0	$413		$1,263	$1,642
714	Propylene Glycol	562	GAL	$8.00	$4,495	0.085	47.8	$2,928		$7,423	$7,423
715	Valves, Piping, Feed Reg, Controls	1	LS	$400.00	$400	4.000	4.0	$245		$645	$645
716											
717	**15540 HVAC Pumps**										
718	CP-1: Heating Pump, 45 GPM, 3/4 HP	4	EA	$875.00	$3,500	6.000	24.0	$1,650		$5,150	$6,695
719	H&V-1, 2: Coil Circ. Pump, 25 GPM, Frac. HP	2	EA	$550.00	$1,100	4.000	8.0	$550		$1,650	$2,145
720	HWCP: Hot Water Circ. Pump, 4 GPM, Frac. HI	1	EA	$200.00	$200	2.000	2.0	$138		$338	$439
721											
722	**Cast Iron Boilers**										
723	Boilers - Cast Iron Oil Fired, 646 MBH	1	EA	$7,685.00	$7,685	40.000	40.0	$2,750		$10,435	$13,566
724	Boiler Trim, Foundation, Specialties	1	LS	$5,760.00	$5,760	30.000	30.0	$2,063		$7,823	$10,170
725											
726	**Stack and Flue Vents**										
727	Pressure Stack, 8"	32	LF	$41.50	$1,328	0.308	9.9	$681		$2,009	$2,612
728	Fittings, 8"	6	EA	$200.00	$1,200	0.615	3.7	$254		$1,454	$1,890
729	Roof Support Assy, Penetration, Curb	2	EA	$300.00	$600	0.909	1.8	$124		$724	$941
730	Stack Cap, Supports	2	EA	$200.00	$400	0.485	1.0	$69		$469	$610
731											
732											
733											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
734											
735	**Fuel Oil System**										
736	Fuel Tank, 3000 Gal Dbl Wall, ACE, AC30002k1, On Timber Support										
737	Incl Level Gauge, Valves, Fittings, Vent	1	EA	$12,100.00	$12,100	40.000	40.0	$2,750		$14,850	$19,305
738	FOS, FOR Piping, 1/2" - 3/4" Type K	60	LF	$2.08	$125	0.049	2.9	$199		$324	$421
739	FOS, FOR Piping, 1" Type K	50	LF	$3.20	$160	0.129	6.5	$447		$607	$789
740	Day Tank/Pump Pkg, 50 Gal, Simplex -50	1	EA	$1,420.00	$1,420	8.000	8.0	$550		$1,970	$2,561
741	Fuel Filter	1	EA	$22.00	$22	0.500	0.5	$34		$56	$73
742	Fuel Filter/Water Separator	1	EA	$50.00	$50	0.500	0.5	$34		$84	$109
743	Oil Safety Valve, 1/2"	4	EA	$26.00	$104	0.500	2.0	$138		$242	$315
744	Fusible Gate Valve, 1/2"	4	EA	$22.90	$92	0.500	2.0	$138		$230	$299
745	Solenoid Valve	2	EA	$80.00	$160	1.000	2.0	$138		$298	$387
746	Fusible Check Valve, 1/2"	2	EA	$22.00	$44	0.500	1.0	$69		$113	$147
747	6" Drip Pan Under Burner	2	EA	$27.95	$56	0.750	1.5	$103		$159	$207
748	4" Dia CI Soil Pipe	15	LF	$15.00	$225	0.200	3.0	$206		$431	$560
749											
750	**Terminal Heat Transfer Units**										
751	(Typ Assy Includes Fittings, AAV, Ctrl Valve,										
752	Isolation Valves, Bal Valve)										
753	Duct Coils, VAV Box Coils	8	EA	$285.00	$2,280	1.750	14.0	$963		$3,243	$4,216
754	Baseboard Radiation										
755	No. Of Units (Zones)	12	EA	$75.00	$900	2.000	24.0	$1,650		$2,550	$3,315
756	Enclosure, 24"	250	LF	$20.00	$5,000	0.200	50.0	$3,438		$8,438	$10,969
757	Fintube, 3/4", 1 Row	144	LF	$13.50	$1,944	0.200	28.8	$1,980		$3,924	$5,101
758	Unit Heaters	3	EA	$700.00	$2,100	4.000	12.0	$825		$2,925	$3,803
759	Cabinet Unit Heaters	6	EA	$893.00	$5,358	4.000	24.0	$1,650		$7,008	$9,110
760											
761	**15800 Air Distribution**										
762	Component Air Handlers, Incl Mix Box, Coils,										
763	Filter Section, Int. Isolation										
764	AHU-1: 9000 CFM	1	EA	$22,500.00	$22,500	40.000	40.0	$2,811		$25,311	$32,904
765	AHU-1: 15000 CFM	1	EA	$37,500.00	$37,500	40.000	40.0	$2,811		$40,311	$52,404
766											
767											
768											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
769											
770	Fans										
771	CF-1: Ceiling Fan, 41000 CFM	3	EA	$1,250.00	$3,750	2.500	7.5	$459		$4,209	$4,209
772	EF-1: Restroom Fan 600 CFM, Frac. HP	2	EA	$375.00	$750	2.000	4.0	$245		$995	$995
773	EF-2: Individual Restroom Fan, 75 CFM	3	EA	$200.00	$600	2.000	6.0	$367		$967	$967
774	SF-1: 1500 CFM, Frac. HP	1	EA	$985.00	$985	3.000	3.0	$184		$1,169	$1,169
775											
776	Ductwork										
777	Low Velocity Duct, Incl Allowance										
778	For Waste, Supports and Joints										
779	Round Spiral, Galvanized	5,025	LBS	$2.40	$12,060	0.113	567.8	$39,897		$51,957	$67,544
780	Rectangular, Galvanized	3,950	LBS	$2.85	$11,258	0.126	497.7	$34,971		$46,229	$60,098
781											
782	Ductwork Accessories										
783	Fire/Smoke Dampers	2	EA	$350.00	$700	2.000	4.0	$281		$981	$1,275
784	Duct Access Doors (Access Hatch)	2	EA	$28.00	$56	0.750	1.5	$105		$161	$209
785	Volume Dampers	27	EA	$18.00	$486	0.500	13.5	$949		$1,435	$1,866
786	Backdraft Dampers	2	EA	$50.00	$100	1.000	2.0	$141		$241	$313
787	Flex Duct Connectors	22	EA	$24.00	$528	0.750	16.5	$1,159		$1,687	$2,193
788											
789	Air Outlets and Inlets: Diffusers, Grilles Incl Boots,										
790	Mtg Hdwre, Frames, Accessories										
791	S/A Diffusers										
792	CD-1: Ceiling Diffusers	22	EA	$55.00	$1,210	1.250	27.5	$1,684		$2,894	$2,894
793	DJ-3: Diffuser	5	EA	$50.00	$250	1.000	5.0	$306		$556	$556
794	RG-1: Return Grille	17	EA	$35.00	$595	0.660	11.2	$686		$1,281	$1,281
795	RG-2: Return Grille	5	EA	$45.00	$225	1.000	5.0	$306		$531	$531
796	Louvers, Fixed Alum Incl. Birdscreen	48	SF	$40.00	$1,920	0.167	8.0	$562		$2,482	$3,227
797	Exhaust Hood Duct W/Wall Cap	5	EA	$115.00	$575	2.000	10.0	$703		$1,278	$1,661
798	Roof Top Relief Hood 48"X84" W/Roof Curb, BI	1	EA	$325.00	$325	4.000	4.0	$281		$606	$788
799											
800											
801											
802											
803											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
804											
805	**15970 Control Systems**										
806	Control Points	74	PTS	$700.00	$51,800					$51,800	$64,750
807											
808	**15990 Balancing & Testing**										
809	Balance Hydronic System	1	LS	$200.00	$200	11.000	11.0	$773		$973	$1,216
810	Balance Air Systems	1	LS	$200.00	$200	42.250	42.3	$2,971		$3,171	$3,964
811	Commissioning, Startup	1	LS	$200.00	$200	120.000	120.0	$8,427		$8,627	$10,784
812											
813											
814											
815											
816											
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818											
819											
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821											
822											
823											
824											
825											
826											
827											
828											
829											
830											
831											
832											
833											
834											
835											
836	**Subtotal: 15 - MECHANICAL: Cost based on 15,301 SF**				$265,064		3,738.7	$240,417	$4,600	$510,081	**$637,012**
837	Average Unit Price for this division is: $41.63 per SF										
838	Average Labor Rate for this division: $64.30 per hour										

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
839											
840	**16 - ELECTRICAL**										
841											
842	**16010 Basic Electrical Requirements**										
843	Field Engineering: Submittals, Shop & Record										
844	Dwgs, Operating Instructions, O&M Manuals	40	HRS	$5.00	$200	1.000	40.0	$1,786		$1,986	$1,986
845	Permits, Tests, Inspections	1	LS	$100.00	$100	40.000	40.0	$2,450		$2,550	$2,550
846	Supervision	8	WEEKS			20.000	160.0	$10,208	$500	$10,708	$10,708
847	Materials Control	8	WEEKS			20.000	160.0	$4,083	$550	$4,633	$4,633
848	Bond and Insurance (1.0%)	1	LS	$2,700.00	$2,700					$2,700	$2,700
849	Tools and Equipment	1	LS						$1,100	$1,100	$1,100
850											
851	Allowance For Dental Electrical	1	LS	$3,000.00	$3,000					$3,000	$3,000
852											
853	**16060 Grounding & Bonding**										
854	Ground Bus 12x2x1/4	1	EA	$35.00	$35	0.250	0.3	$21		$56	$73
855	1" PVC 1#2 Ground	40	LF	$1.57	$63	0.082	3.3	$235		$298	$387
856	1" PVC 1#1/0 Ground	40	LF	$1.97	$79	0.088	3.5	$249		$328	$426
857	Ground Rod 3/4" x 10'	2	EA	$50.00	$100	1.000	2.0	$142		$242	$315
858	Exothermic Connection	2	EA	$7.00	$14	0.250	0.5	$36		$50	$65
859											
860	**16400 Low Voltage Distribution**										
861	**Service Equipment**										
862	CT Cabinet	1	EA	$500.00	$500	4.000	4.0	$285		$785	$1,021
863	Meter Base - By Utility										
864											
865	**Main Distribution Equipment**										
866	MSD: Panelboards, 120/208V, 3 Phase, 4 Wire, 200A, MLO, 42 Circuit, W/Breakers	2	EA	$1,207.50	$2,415	10.000	20.0	$1,423		$3,838	$4,989
867											
868	**Panelboards**										
869	Panelboards, 120/208V, 3 Phase, 4 Wire, 225A, MLO, 42 Circuit, W/Breakers	3	EA	$1,050.00	$3,150	10.000	30.0	$2,134		$5,284	$6,869
870											
871											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
872											
873	**Transformers**										
874	None										
875											
876	**Feeders & Subfeeds**										
877	225 Amp: 2"C, 4#3/0, 1#6 GND	300	LF	$14.65	$4,395	0.379	113.7	$8,090		$12,485	$16,231
878											
879	**Convenience Power**										
880	Receptacles: Complete Assemblies, Including:	**103**	**EA**								
881	Duplex 20A 125V	64	EA	$2.36	$151	0.150	9.6	$683		$834	$1,084
882	GFCI Receptacles	32	EA	$8.87	$284	0.150	4.8	$342		$626	$814
883	WP GFCI Receptacles	5	EA	$24.62	$123	0.250	1.3	$92		$215	$280
884	Special Purpose Receptacles	2	EA	$20.27	$41	0.330	0.7	$50		$91	$118
885	Add For:										
886	3/4in. EMT	1,545	LF	$0.50	$773	0.040	61.8	$4,397		$5,170	$6,721
887	3/4in. EMT CONN	206	EA	$0.53	$109	0.086	17.7	$1,259		$1,368	$1,778
888	3/4in. EMT CPLG	206	EA	$1.46	$301					$301	$391
889	3/4in. EMT STRAP 1-H	309	EA	$0.16	$49	0.030	9.3	$662		$711	$924
890	#12 THHN	5,253	LF	$0.10	$525	0.005	26.3	$1,871		$2,396	$3,115
891	UTILITY BOX 2-1/2 D 1/2 KO	103	EA	$1.40	$144	0.220	22.7	$1,615		$1,759	$2,287
892	1G SS RECEPTACLE PLATE	103	EA	$0.96	$99	0.030	3.1	$221		$320	$416
893	1in. x10 S-TAP SCREW	515	EA	$0.02	$10	0.025	12.9	$918		$928	$1,206
894											
895	**16420 Enclosed Controllers**										
896	Fractional To 1/4 HP	21	EA	$65.00	$1,365	1.000	21.0	$1,494		$2,859	$3,717
897	Wiring: Nom. 3/4" EMT 3#10, 1N	1,050	LF	$1.17	$1,229	0.094	98.7	$7,022		$8,251	$10,726
898	Starter/Disconnects 0.75 HP	4	EA	$250.00	$1,000	3.000	12.0	$854		$1,854	$2,410
899	Wiring: Nom. 3/4" EMT 3#10, 1N	320	LF	$1.17	$374	0.094	30.1	$2,142		$2,516	$3,271
900	Starter/Disconnects 7.5 HP	2	EA	$585.00	$1,170	5.000	10.0	$711		$1,881	$2,445
901	Wiring: Nom. 3/4" EMT 3#10, 1N	160	LF	$1.17	$187	0.094	15.0	$1,067		$1,254	$1,630
902	Starter/Disconnect, Fans10 HP	1	EA	$600.00	$600	6.000	6.0	$427		$1,027	$1,335
903	Wiring: 1" RGS, 3#4, 1#8	80	LF	$1.17	$94	0.094	7.5	$534		$628	$816
904											
905											
906											

Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
907											
908	**Interior Lighting**										
909	A: Parabolic Troffer, 3L	37	EA	$115.50	$4,274	1.250	46.3	$3,294		$7,568	$9,838
910	B: Troffer, A12 Lens, 3L	23	EA	$107.80	$2,479	1.250	28.8	$2,049		$4,528	$5,886
911	F: 4' Fluor, Ind. Strip, 2L	8	EA	$73.70	$590	1.250	10.0	$711		$1,301	$1,691
912	C: 2 Lamp Fixture	6	EA	$88.00	$528	1.250	7.5	$534		$1,062	$1,381
913	D: 6" Dia.,18 W Fixture	26	EA	$93.50	$2,431	1.500	39.0	$2,775		$5,206	$6,768
914	V: Rough Service Wall Wraparound	1	EA	$107.80	$108	1.000	1.0	$71		$179	$233
915	H: 175W Metal Halide, Low Bay	13	EA	$423.50	$5,506	3.000	39.0	$2,775		$8,281	$10,765
916	Photo Cell	1	EA	$99.00	$99	1.250	1.3	$92		$191	$248
917	Exit Sign, Self Powered	12	EA	$61.60	$739	2.000	24.0	$1,708		$2,447	$3,181
918	Emerg. Batt Wall Pack	23	EA	$175.00	$4,025	3.000	69.0	$4,909		$8,934	$11,614
919	Switches	24	EA	$17.81	$427	0.529	12.7	$904		$1,331	$1,730
920	Wiring: 3/4" Cond, 3-#12, Gnd	3,500	LF	$0.96	$3,360	0.080	280.0	$19,921		$23,281	$30,265
921											
922	**Exterior Lighting**										
923	L: Wall Mtd 35 W HPS	5	EA	$165.00	$825	2.000	10.0	$711		$1,536	$1,997
924	Wiring: 3/4" Cond, 3-#12, Gnd	175	LF	$0.96	$168	0.080	14.0	$996		$1,164	$1,513
925											
926	Lighting Controls	1	LS	$1,100.00	$1,100	14.000	14.0	$996		$2,096	$2,725
927	1: Luminaire On 30' Tall Pole, 150 HPS	6	EA	$2,185.00	$13,110	10.000	60.0	$4,269		$17,379	$22,593
928	Wiring: 3/4" Cond, 3-#12, Gnd	720	LF	$1.25	$900	0.100	72.0	$5,123		$6,023	$7,830
929	Trenching	720	LF	$1.15	$828	0.100	72.0	$5,123	$2,520	$8,471	$11,012
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Line No.	Description	Qty	UNITS	Material Costs Unit	Material Costs Total	Labor Hours Units	Labor Hours Totals	Labor Cost	Equip Cost	Total Cost	Total Cost w/ OH & P
942											
943	**Fire Alarm & Detection**										
944	FACP	1	EA	$2,875.00	$2,875	16.429	16.4	$1,167		$4,042	$5,659
945	FAA	1	EA	$1,500.00	$1,500	8.000	8.0	$569		$2,069	$2,897
946	Horn/Strobe	5	EA	$92.00	$460	1.500	7.5	$534		$994	$1,392
947	Manual Pull Station	5	EA	$85.00	$425	1.000	5.0	$356		$781	$1,093
948	B: Fire Alarm Bell	4	EA	$75.00	$300	1.500	6.0	$427		$727	$1,018
949	Design, Approvals, Testing	1	LS	$3,250.00	$3,250					$3,250	$4,550
950	FA Wiring 2 Conductors	1,420	LF	$0.22	$312	0.036	51.1	$3,636		$3,948	$5,527
951	Conduit 1/2"	200	LF	$0.40	$80	0.047	9.4	$669		$749	$1,049
952	Conduit 1"	900	LF	$0.83	$747	0.070	63.0	$4,482		$5,229	$7,321
953	Conduit 2"	320	LF	$1.93	$618	0.100	32.0	$2,277		$2,895	$4,053
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974	**Subtotal: 16 - ELECTRICAL: Cost based on 15,301 SF**				$77,443		1,946.8	$128,581	$4,670	$210,694	**$268,366**
975	Average Unit Price for this division is: $17.54 per SF										
976	Average Labor Rate for this division: $66.05 per hour										