

PROJECT ID:

MT Edgcumbe Medical Center Campus



CLIENT'S INFORMATION:

CONTACT:

E-MAIL ADDRESS:

PHONE NUMBER:

Date:

SCOPE:

Structural Steel

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	UNIT COST	TOTAL COST	TRADE COST	
<b>GENERAL REQUIREMENTS</b>										
1		Supervision	1	LS			\$0	\$0		
2		Permits	1	LS			\$0	\$0		
3		Final Clean-up	1	LS			\$0	\$0		
4		Mobilization Costs	1	LS			\$0	\$0		
5		Project Overheads	1	LS			\$0	\$0		
6		Bonds	1	LS			\$0	\$0		
7		Temporary Control & Facilities	1	LS			\$0	\$0		
<b>Subtotal (General Requirements)</b>									<b>\$0</b>	
<b>DIVISION 05- METALS</b>										
<b>Level 1 Framing</b>										
<b>Steel Beams</b>										
8		W8x15 (398 LF)	5970	LBS	\$2.5	\$1.5	\$4.0	\$23,880		
9		W12x14 (257 LF)	3598	LBS	\$2.5	\$1.5	\$4.0	\$14,392		
10		W16x26 (1112 LF)	28912	LBS	\$2.5	\$1.5	\$4.0	\$115,648		
11		W18x35 (361 LF)	12635	LBS	\$2.5	\$1.5	\$4.0	\$50,540		
12		W18x76 (386 LF)	29336	LBS	\$2.5	\$1.5	\$4.0	\$117,344		
13		W18x119 (31 LF)	3689	LBS	\$2.5	\$1.5	\$4.0	\$14,756		
14		W18x175 (33 LF)	5775	LBS	\$2.5	\$1.5	\$4.0	\$23,100		
15		W21x44 (4062 LF)	178728	LBS	\$2.5	\$1.5	\$4.0	\$714,912		
16		W21x50 (145 LF)	7250	LBS	\$2.5	\$1.5	\$4.0	\$29,000		
17		W21x62 (67 LF)	4154	LBS	\$2.5	\$1.5	\$4.0	\$16,616		
18		W21x93 (32 LF)	2976	LBS	\$2.5	\$1.5	\$4.0	\$11,904		
19		W21x182 (37 LF)	6734	LBS	\$2.5	\$1.5	\$4.0	\$26,936		
20		W24x55 (317 LF)	17435	LBS	\$2.5	\$1.5	\$4.0	\$69,740		
21		W24x68 (65 LF)	4420	LBS	\$2.5	\$1.5	\$4.0	\$17,680		
22		W24x84 (16 LF)	1344	LBS	\$2.5	\$1.5	\$4.0	\$5,376		
23		W24x131 (33 LF)	4323	LBS	\$2.5	\$1.5	\$4.0	\$17,292		
24		W27x84 (1195 LF)	100380	LBS	\$2.5	\$1.5	\$4.0	\$401,520		
25		W27x102 (256 LF)	26112	LBS	\$2.5	\$1.5	\$4.0	\$104,448		
26		W27x114 (192 LF)	21888	LBS	\$2.5	\$1.5	\$4.0	\$87,552		
27		W27x178 (32 LF)	1024	LBS	\$2.5	\$1.5	\$4.0	\$4,096		
28		W30x90 (596 LF)	53640	LBS	\$2.5	\$1.5	\$4.0	\$214,560		
29		W36x135 (166 LF)	22410	LBS	\$2.5	\$1.5	\$4.0	\$89,640		
<b>Misc. &amp; Connections</b>										
30		L5x5x5/16 (395 LF)	4067	LBS	\$2.5	\$1.5	\$4.0	\$16,268		
31		(3/8") Plate	54	EA	\$150.0	\$100.0	\$250.0	\$13,500		
32		Beam To Beam Connections	319	EA	\$200.0	\$100.0	\$300.0	\$95,700		
33		Beam To Column Connections	87	EA	\$200.0	\$100.0	\$300.0	\$26,100		
<b>Deck</b>										
34		(2") Type W Composite Steel Floor Deck	51603	SF	\$2.5	\$1.5	\$4.0	\$206,412		
<b>Level 2 Framing</b>										
<b>Steel Beams</b>										
35	S101AF To S421	W8x15 (353 LF)	5295	LBS	\$2.5	\$1.5	\$4.0	\$21,180		
36		W16x26 (761 LF)	19786	LBS	\$2.5	\$1.5	\$4.0	\$79,144		
37		W18x35 (3816 LF)	133560	LBS	\$2.5	\$1.5	\$4.0	\$534,240		
38		W21x14 (192 LF)	2688	LBS	\$2.5	\$1.5	\$4.0	\$10,752		
39		W21x44 (224 LF)	9856	LBS	\$2.5	\$1.5	\$4.0	\$39,424		
40		W21x48 (30 LF)	1440	LBS	\$2.5	\$1.5	\$4.0	\$5,760		
41		W21x50 (129 LF)	6450	LBS	\$2.5	\$1.5	\$4.0	\$25,800		
42		W21x62 (68 LF)	4216	LBS	\$2.5	\$1.5	\$4.0	\$16,864		
43		W24x55 (310 LF)	17050	LBS	\$2.5	\$1.5	\$4.0	\$68,200		
44		W24x62 (224 LF)	13888	LBS	\$2.5	\$1.5	\$4.0	\$55,552		
45		W24x68 (449 LF)	30532	LBS	\$2.5	\$1.5	\$4.0	\$122,128		
46		W24x84 (97 LF)	8148	LBS	\$2.5	\$1.5	\$4.0	\$32,592		
47		W24x94 (33 LF)	3102	LBS	\$2.5	\$1.5	\$4.0	\$12,408		
48		W24x104 (541 LF)	56264	LBS	\$2.5	\$1.5	\$4.0	\$225,056		
49		W24x162 (33 LF)	5346	LBS	\$2.5	\$1.5	\$4.0	\$21,384		
50		W24x207 (32 LF)	6624	LBS	\$2.5	\$1.5	\$4.0	\$26,496		
51		W27x84 (868 LF)	72912	LBS	\$2.5	\$1.5	\$4.0	\$291,648		
52		W27x102 (385 LF)	39270	LBS	\$2.5	\$1.5	\$4.0	\$157,080		
53		W27x178 (33 LF)	5874	LBS	\$2.5	\$1.5	\$4.0	\$23,496		
54		W30x90 (64 LF)	5760	LBS	\$2.5	\$1.5	\$4.0	\$23,040		
55		W33x18 (42 LF)	756	LBS	\$2.5	\$1.5	\$4.0	\$3,024		
56		WT8x22.5 (215 LF)	4837.5	LBS	\$2.5	\$1.5	\$4.0	\$19,350		
57		HSS7x7x3/8 (106 LF)	3445	LBS	\$2.5	\$1.5	\$4.0	\$13,780		
<b>Misc. &amp; Connections</b>										
58			L5x5x5/16 (360 LF)	3708	LBS	\$2.5	\$1.5	\$4.0	\$14,832	
59			(3/8") Plate	48	EA	\$150.0	\$100.0	\$250.0	\$12,000	
60			Beam To Beam Connections	284	EA	\$200.0	\$100.0	\$300.0	\$85,200	
61		Beam To Column Connections	70	EA	\$200.0	\$100.0	\$300.0	\$21,000		
62		(1/4") Cap Plate W/ 1/4" Fillet Weld All Around	106	LF	\$25.0	\$10.0	\$35.0	\$3,710		
<b>Deck</b>										
63		(2") Type W Composite Steel Floor Deck	45535	SF	\$2.5	\$1.5	\$4.0	\$182,140		
<b>Level 3 Framing</b>										
<b>Steel Beams</b>										
64		W8x15 (493 LF)	7395	LBS	\$2.5	\$1.5	\$4.0	\$29,580		
65		W10x12 (107 LF)	1284	LBS	\$2.5	\$1.5	\$4.0	\$5,136		
66		W12x14 (744 LF)	10416	LBS	\$2.5	\$1.5	\$4.0	\$41,664		

67	W12x19 (84 LF)	1596	LBS	\$2.5	\$1.5	\$4.0	\$6,384
68	W14x22 (471 LF)	10362	LBS	\$2.5	\$1.5	\$4.0	\$41,448
69	W16x26 (899 LF)	23374	LBS	\$2.5	\$1.5	\$4.0	\$93,496
70	W18x35 (375 LF)	13125	LBS	\$2.5	\$1.5	\$4.0	\$52,500
71	W21x44 (3958 LF)	174152	LBS	\$2.5	\$1.5	\$4.0	\$696,608
72	W21x48 (30 LF)	1440	LBS	\$2.5	\$1.5	\$4.0	\$5,760
73	W21x50 (167 LF)	8350	LBS	\$2.5	\$1.5	\$4.0	\$33,400
74	W21x62 (33 LF)	2046	LBS	\$2.5	\$1.5	\$4.0	\$8,184
75	W21x93 (33 LF)	3069	LBS	\$2.5	\$1.5	\$4.0	\$12,276
76	W24x55 (33 LF)	1815	LBS	\$2.5	\$1.5	\$4.0	\$7,260
77	W24x68 (32 LF)	2176	LBS	\$2.5	\$1.5	\$4.0	\$8,704
78	W27x84 (1219 LF)	102396	LBS	\$2.5	\$1.5	\$4.0	\$409,584
79	W27x94 (480 LF)	45120	LBS	\$2.5	\$1.5	\$4.0	\$180,480
80	W30x90 (513 LF)	46170	LBS	\$2.5	\$1.5	\$4.0	\$184,680
81	W36x135 (128 LF)	17280	LBS	\$2.5	\$1.5	\$4.0	\$69,120
82	W36x160 (55 LF)	8800	LBS	\$2.5	\$1.5	\$4.0	\$35,200
83	W36x210 (61 LF)	12810	LBS	\$2.5	\$1.5	\$4.0	\$51,240
84	W36x231 (63 LF)	14553	LBS	\$2.5	\$1.5	\$4.0	\$58,212
85	W36x256 (124 LF)	31744	LBS	\$2.5	\$1.5	\$4.0	\$126,976
86	W40x199 (54 LF)	10746	LBS	\$2.5	\$1.5	\$4.0	\$42,984
87	W44x230 (56 LF)	12880	LBS	\$2.5	\$1.5	\$4.0	\$51,520
	<b>Misc. &amp; Connections</b>						
88	L5x5x5/16 (414 LF)	4265	LBS	\$2.5	\$1.5	\$4.0	\$17,060
89	(3/8") Plate	52	EA	\$150.0	\$100.0	\$250.0	\$13,000
90	Beam To Beam Connections	345	EA	\$200.0	\$100.0	\$300.0	\$103,500
91	Beam To Column Connections	85	EA	\$200.0	\$100.0	\$300.0	\$25,500
	<b>Deck</b>						
92	(2") Type W Composite Steel Floor Deck	51273	SF	\$2.5	\$1.5	\$4.0	\$205,092
	<b>Level 04 Framing</b>						
	<b>Steel Beams</b>						
93	W8x15 (742 LF)	11130	LBS	\$2.5	\$1.5	\$4.0	\$44,520
94	W10x12 (103 LF)	1236	LBS	\$2.5	\$1.5	\$4.0	\$4,944
95	W12x14 (178 LF)	2492	LBS	\$2.5	\$1.5	\$4.0	\$9,968
96	W16x26 (720 LF)	18720	LBS	\$2.5	\$1.5	\$4.0	\$74,880
97	W18x35 (1706 LF)	59710	LBS	\$2.5	\$1.5	\$4.0	\$238,840
98	W21x44 (993 LF)	43692	LBS	\$2.5	\$1.5	\$4.0	\$174,768
99	W21x50 (1859 LF)	92950	LBS	\$2.5	\$1.5	\$4.0	\$371,800
100	W24x55 (289 LF)	15895	LBS	\$2.5	\$1.5	\$4.0	\$63,580
101	W24x68 (256 LF)	17408	LBS	\$2.5	\$1.5	\$4.0	\$69,632
102	W24x76 (65 LF)	4940	LBS	\$2.5	\$1.5	\$4.0	\$19,760
103	W27x84 (1173 LF)	98532	LBS	\$2.5	\$1.5	\$4.0	\$394,128
104	W27x178 (32 LF)	5696	LBS	\$2.5	\$1.5	\$4.0	\$22,784
105	W30x90 (299 LF)	26910	LBS	\$2.5	\$1.5	\$4.0	\$107,640
106	W30x99 (257 LF)	25443	LBS	\$2.5	\$1.5	\$4.0	\$101,772
107	W30x108 (33 LF)	3564	LBS	\$2.5	\$1.5	\$4.0	\$14,256
108	W30x116 (225 LF)	26100	LBS	\$2.5	\$1.5	\$4.0	\$104,400
109	W30x124 (64 LF)	7936	LBS	\$2.5	\$1.5	\$4.0	\$31,744
110	W30x132 (192 LF)	25344	LBS	\$2.5	\$1.5	\$4.0	\$101,376
111	W33x130 (61 LF)	7930	LBS	\$2.5	\$1.5	\$4.0	\$31,720
112	W36x135 (64 LF)	8640	LBS	\$2.5	\$1.5	\$4.0	\$34,560
113	W36x194 (157 LF)	30458	LBS	\$2.5	\$1.5	\$4.0	\$121,832
114	W36x256 (123 LF)	31488	LBS	\$2.5	\$1.5	\$4.0	\$125,952
115	W40x215 (61 LF)	13115	LBS	\$2.5	\$1.5	\$4.0	\$52,460
	<b>Misc. &amp; Connections</b>						
116	L5x5x5/16 (427 LF)	4399	LBS	\$2.5	\$1.5	\$4.0	\$17,596
117	(3/8") Plate	54	EA	\$150.0	\$100.0	\$250.0	\$13,500
118	Beam To Beam Connections	367	EA	\$200.0	\$100.0	\$300.0	\$110,100
119	Beam To Column Connections	85	EA	\$200.0	\$100.0	\$300.0	\$25,500
	<b>Base Plates</b>						
120	(5/8"x6-1/2"x13") Base Plate	36	EA	\$150.0	\$100.0	\$250.0	\$9,000
121	(4) (5/8") Dia. Anchor Bolts	144	EA	\$25.0	\$15.0	\$40.0	\$5,760
	<b>Deck</b>						
122	(2") Type W Composite Steel Floor Deck	47987	SF	\$2.5	\$1.5	\$4.0	\$191,948
	<b>Steel Posts</b>						
123	(6") Dia. STD Pipe Post (15'-0" H)	12	EA	\$300.0	\$150.0	\$450.0	\$5,400
124	HSS4x4x3/8 Screen Wall Post (2 EA, 15'-0" H)	516	LBS	\$2.5	\$1.5	\$4.0	\$2,064
125	HSS7x7x3/8 Screen Wall Post (22 EA, 15'-0" H)	10725	LBS	\$2.5	\$1.5	\$4.0	\$42,900
	<b>Roof Framing</b>						
	<b>Steel Beams</b>						
126	W8x15 (198 LF)	2970	LBS	\$2.5	\$1.5	\$4.0	\$11,880
127	W10x12 (119 LF)	1428	LBS	\$2.5	\$1.5	\$4.0	\$5,712
128	W12x14 (601 LF)	8414	LBS	\$2.5	\$1.5	\$4.0	\$33,656
129	W12x19 (54 LF)	1026	LBS	\$2.5	\$1.5	\$4.0	\$4,104
130	W12x26 (29 LF)	754	LBS	\$2.5	\$1.5	\$4.0	\$3,016
131	W12x40 (220 LF)	8800	LBS	\$2.5	\$1.5	\$4.0	\$35,200
132	W16x26 (791 LF)	20566	LBS	\$2.5	\$1.5	\$4.0	\$82,264
133	W16x67 (71 LF)	4757	LBS	\$2.5	\$1.5	\$4.0	\$19,028
134	W18x35 (1431 LF)	50085	LBS	\$2.5	\$1.5	\$4.0	\$200,340
135	W21x44 (1934 LF)	85096	LBS	\$2.5	\$1.5	\$4.0	\$340,384
136	W24x55 (161 LF)	8855	LBS	\$2.5	\$1.5	\$4.0	\$35,420
137	W27x84 (913 LF)	76692	LBS	\$2.5	\$1.5	\$4.0	\$306,768
138	HSS4x4x1/4 Parapet Cap (731 LF)	8918.2	LBS	\$2.5	\$1.5	\$4.0	\$35,673
139	(2) HSS6x4x5/16 Screen Girts (151 LF)	2869	LBS	\$2.5	\$1.5	\$4.0	\$11,476
140	(2) L3x3x5/16 Screen Bracess (72 LF)	435	LBS	\$2.5	\$1.5	\$4.0	\$1,740
	<b>Misc. &amp; Connections</b>						
141	L5x5x5/16 (230 LF)	2369	LBS	\$2.5	\$1.5	\$4.0	\$9,476
142	(3/8") Plate	29	EA	\$150.0	\$100.0	\$250.0	\$7,250
143	(1/4") Plate	605	LF	\$25.0	\$10.0	\$35.0	\$21,175
144	Beam To Beam Connections	203	EA	\$200.0	\$100.0	\$300.0	\$60,900

145	Beam To Column Connections	69	EA	\$200.0	\$100.0	\$300.0	\$20,700
	<b>Deck</b>						
146	(2") Type W Composite Steel Roof Deck	31874	SF	\$2.5	\$1.5	\$4.0	\$127,496
	<b>Penthouse Framing</b>						
	<b>Steel Beams</b>						
147	W8x15 (5 LF)	75	LBS	\$2.5	\$1.5	\$4.0	\$300
148	W12x19 (105 LF)	1995	LBS	\$2.5	\$1.5	\$4.0	\$7,980
149	W16x26 (93 LF)	2418	LBS	\$2.5	\$1.5	\$4.0	\$9,672
150	HSS4x4x1/4 Parapet Cap (603 LF)	7357	LBS	\$2.5	\$1.5	\$4.0	\$29,428
151	(2) HSS6x6x5/16 Screen Girts (501 LF)	11674	LBS	\$2.5	\$1.5	\$4.0	\$46,696
	<b>Misc. &amp; Connections</b>						
152	(2) L3x3x5/16 Screen Bracess (225 LF)	1359	LBS	\$2.5	\$1.5	\$4.0	\$5,436
153	(1/4") Plate	97	LF	\$25.0	\$10.0	\$35.0	\$3,395
	<b>Deck</b>						
154	(1-1/2") Type W Composite Steel Penthouse Deck	571	SF	\$2.5	\$1.5	\$4.0	\$2,284
	<b>Service Yard Canopy</b>						
	<b>Beams</b>						
155	Tapered W18x76 (189 LF)	14364	LBS	\$2.5	\$1.5	\$4.0	\$57,456
	<b>Deck</b>						
156	(1-1/2") Type W Composite Steel Floor Deck	1129	SF	\$7.0	\$5.0	\$12.0	\$13,548
	<b>Bridge Framing</b>						
	<b>Steel Beams</b>						
157	W24X55 (140 LF)	7700	LBS	\$2.5	\$1.5	\$4.0	\$30,800
158	W33x118 (10 LF)	1180	LBS	\$2.5	\$1.5	\$4.0	\$4,720
159	W30x90 (11 LF)	990	LBS	\$2.5	\$1.5	\$4.0	\$3,960
160	HSS24x12x5/8 (108 LF)	26568	LBS	\$2.5	\$1.5	\$4.0	\$106,272
161	Beam To Beam Connections	15	EA	\$200.0	\$100.0	\$300.0	\$4,500
	<b>Deck</b>						
162	(1-1/2") Type W Composite Steel Floor Deck	565	SF	\$7.0	\$5.0	\$12.0	\$6,780
	<b>Entry Canopy</b>						
	<b>Steel Beams</b>						
163	W10x26 (223 LF)	5798	LBS	\$2.5	\$1.5	\$4.0	\$23,192
164	W24x55 (32 LF)	1760	LBS	\$2.5	\$1.5	\$4.0	\$7,040
165	Tapered W24x55	14520	LBS	\$2.5	\$1.5	\$4.0	\$58,080
	<b>Deck</b>						
166	(1-1/2") Type W Composite Steel Canopy Deck	2311	SF	\$7.0	\$5.0	\$12.0	\$27,732
	<b>Connections</b>						
167	Beam To Beam Connections	19	EA	\$200.0	\$100.0	\$300.0	\$5,700
168	Beam To Column Connections	5	EA	\$200.0	\$100.0	\$300.0	\$1,500
	<b>Ambulance Canopy</b>						
	<b>Steel Beams</b>						
169	Tapered W24x104 (348 LF)	36192	LBS	\$2.5	\$1.5	\$4.0	\$144,768
	<b>Deck</b>						
170	(1-1/2") Type W Composite Steel Canopy Deck	1742	SF	\$7.0	\$5.0	\$12.0	\$20,904
	<b>Connections</b>						
171	Moment Connections	16	EA	\$200.0	\$100.0	\$300.0	\$4,800
	<b>Gas Cylinder Shed</b>						
	<b>Columns</b>						
172	HSS4x4x1/4 (12 EA, 11'-0" H)	1611	LBS	\$2.5	\$1.5	\$4.0	\$6,444
	<b>Beam</b>						
173	HSS4x4x1/4 (135 LF)	1647	LBS	\$2.5	\$1.5	\$4.0	\$6,588
	<b>Deck</b>						
174	Metal Deck	403	SF	\$7.0	\$5.0	\$12.0	\$4,836
	<b>Diagonal Bracing</b>						
	<b>Brace Frame Along Grid WA</b>			\$2.5	\$1.5	\$4.0	\$0
175	Collector Beam "CB3.0"	74	LF	\$25.0	\$10.0	\$35.0	\$2,590
176	Collector Beam "CB3.5"	74	LF	\$25.0	\$10.0	\$35.0	\$2,590
177	Collector Beam "CB4.5"	74	LF	\$25.0	\$10.0	\$35.0	\$2,590
178	Collector Beam "CB6.0"	73	LF	\$25.0	\$10.0	\$35.0	\$2,555
179	Collector Beam "CB7.0"	78	LF	\$25.0	\$10.0	\$35.0	\$2,730
	<b>Brace Frame Along Grid WD</b>			\$2.5	\$1.5	\$4.0	\$0
180	Collector Beam "CB3.0"	74	LF	\$25.0	\$10.0	\$35.0	\$2,590
181	Collector Beam "CB3.5"	74	LF	\$25.0	\$10.0	\$35.0	\$2,590
182	Collector Beam "CB4.5"	74	LF	\$25.0	\$10.0	\$35.0	\$2,590
183	Collector Beam "CB6.0"	73	LF	\$25.0	\$10.0	\$35.0	\$2,555
184	Collector Beam "CB7.0"	78	LF	\$25.0	\$10.0	\$35.0	\$2,730
	<b>Brace Frame Along Grid 1</b>						
185	Collector Beam "CB3.0"	72	LF	\$25.0	\$10.0	\$35.0	\$2,520
186	Collector Beam "CB4.0"	73	LF	\$25.0	\$10.0	\$35.0	\$2,555
187	Collector Beam "CB5.5"	73	LF	\$25.0	\$10.0	\$35.0	\$2,555
188	Collector Beam "CB6.5"	73	LF	\$25.0	\$10.0	\$35.0	\$2,555
189	Collector Beam "CB8.5"	77	LF	\$25.0	\$10.0	\$35.0	\$2,695
	<b>Brace Frame Along Grid 8</b>						
190	Collector Beam "CB3.0"	61	LF	\$25.0	\$10.0	\$35.0	\$2,135
191	Collector Beam "CB3.75"	61	LF	\$25.0	\$10.0	\$35.0	\$2,135
192	Collector Beam "CB4.5"	61	LF	\$25.0	\$10.0	\$35.0	\$2,135
193	Collector Beam "CB6.0"	60	LF	\$25.0	\$10.0	\$35.0	\$2,100
194	Collector Beam "CB7.5"	26	LF	\$25.0	\$10.0	\$35.0	\$910
195	Collector Beam "CB8.0"	39	LF	\$25.0	\$10.0	\$35.0	\$1,365
	<b>Brace Frame Along Grid 7</b>						
196	Collector Beam "CB3.0"	24	LF	\$25.0	\$10.0	\$35.0	\$840
197	Collector Beam "CB3.75"	24	LF	\$25.0	\$10.0	\$35.0	\$840
198	Collector Beam "CB4.5"	24	LF	\$25.0	\$10.0	\$35.0	\$840
199	Collector Beam "CB6.0"	24	LF	\$25.0	\$10.0	\$35.0	\$840
200	Collector Beam "CB7.0"	26	LF	\$25.0	\$10.0	\$35.0	\$910
	<b>Brace Frame Along Grid A</b>						
201	Collector Beam "CB3.5"	79	LF	\$25.0	\$10.0	\$35.0	\$2,765
202	Collector Beam "CB4.5"	73	LF	\$25.0	\$10.0	\$35.0	\$2,555
203	Collector Beam "CB6.0"	72	LF	\$25.0	\$10.0	\$35.0	\$2,520

204	Collector Beam "CB7.0"	78	LF	\$25.0	\$10.0	\$35.0	\$2,730
	<b>Brace Frame Along Grid H</b>						
205	Collector Beam "CB3.5"	79	LF	\$25.0	\$10.0	\$35.0	\$2,765
206	Collector Beam "CB4.5"	73	LF	\$25.0	\$10.0	\$35.0	\$2,555
207	Collector Beam "CB6.0"	72	LF	\$25.0	\$10.0	\$35.0	\$2,520
208	Collector Beam "CB7.0"	78	LF	\$25.0	\$10.0	\$35.0	\$2,730
	<b>Brace Frame Along Grid 10</b>						
209	Collector Beam "CB4.5"	80	LF	\$25.0	\$10.0	\$35.0	\$2,800
210	Collector Beam "CB5.5"	72	LF	\$25.0	\$10.0	\$35.0	\$2,520
211	Collector Beam "CB6.0"	72	LF	\$25.0	\$10.0	\$35.0	\$2,520
212	Collector Beam "CB8.0"	77	LF	\$25.0	\$10.0	\$35.0	\$2,695
	<b>Brace Frame Along Grid 15</b>						
213	Collector Beam "CB6.0"	151	LF	\$25.0	\$10.0	\$35.0	\$5,285
214	Collector Beam "CB6.5"	73	LF	\$25.0	\$10.0	\$35.0	\$2,555
215	Collector Beam "CB9.0"	77	LF	\$25.0	\$10.0	\$35.0	\$2,695
	<b>Brace Frame Along Grid 10.5</b>						
216	HSS6x6x5/16 (123 LF)	2866	LBS	\$2.5	\$1.5	\$4.0	\$11,464
	<b>Brace Frame Along Grid G.5</b>						
217	HSS6x6x5/16 (131 LF)	3053	LBS	\$2.5	\$1.5	\$4.0	\$12,212
	<b>Brace Frame Along Grid 14.5</b>						
218	HSS6x6x5/16 (113 LF)	2633	LBS	\$2.5	\$1.5	\$4.0	\$10,532
	<b>Brace Frame Along Grid C</b>						
219	HSS6x6x5/16 (130 LF)	3029	LBS	\$2.5	\$1.5	\$4.0	\$12,116
	<b>Stair Stringer</b>						
220	HSS20x12x5/8 Stair Stringers (79 LF)	10033	LBS	\$2.5	\$1.5	\$4.0	\$40,132
	<b>Posts</b>						
221	HSS4x4x1/4 Parapet Posts (249 EA, 4'-8" H)	14187	LBS	\$2.5	\$1.5	\$4.0	\$56,748
222	HSS4x4x1/4 Parapet Posts (10 EA, 3'-0" H)	366	LBS	\$2.5	\$1.5	\$4.0	\$1,464
223	HSS4x4x1/4 Parapet Posts (10 EA, 13'-6" H)	1647	LBS	\$2.5	\$1.5	\$4.0	\$6,588
	<b>Base Plates &amp; Misc.</b>						
224	(1/4"x4"x6-1/2") HSS Plate W/ (5/8") Dia. Anchor Bolts	249	EA	\$150.0	\$100.0	\$250.0	\$62,250
225	L4x4x1/4 x 4" Wide W/ (5/8") Dia. Through Bolts	731	LF	\$15.0	\$10.0	\$25.0	\$18,275
226	(3/8"x7"x13") Galvanized Plate	10	EA	\$150.0	\$100.0	\$250.0	\$2,500
227	L6x4x3/8x7" Wide (LLH) Galv.	151	LF	\$15.0	\$10.0	\$25.0	\$3,775
228	(1/2"x6"x6") Galvanized Plate W/ (2) (5/8") Dia. Bolts	20	EA	\$150.0	\$100.0	\$250.0	\$5,000
229	(2) (3/4"x13"x13") Galvanized Plates W/ (4) (5/8") Dia. Bolts	10	EA	\$150.0	\$100.0	\$250.0	\$2,500
230	(5/8"x6-1/2"x13") Base Plate	10	EA	\$150.0	\$100.0	\$250.0	\$2,500
231	(1/2"x6"x7") Galvanized Plate W/ (2) (5/8") Dia. Bolts	10	EA	\$150.0	\$100.0	\$250.0	\$2,500
	<b>Columns</b>						
232	W10x33 (7 EA, 16'-4" H)	3772	LBS	\$2.5	\$1.5	\$4.0	\$15,089
233	W10x33 (22 EA, 18'-0" H)	13068	LBS	\$2.5	\$1.5	\$4.0	\$52,272
234	W10x39 (12 EA, 18'-0" H)	8424	LBS	\$2.5	\$1.5	\$4.0	\$33,696
235	W10x49 (1 EA, 20'-0" H)	980	LBS	\$2.5	\$1.5	\$4.0	\$3,920
236	W10x49 (1 EA, 27'-0" H)	1323	LBS	\$2.5	\$1.5	\$4.0	\$5,292
237	W10x49 (5 EA, 46'-4" H)	11351	LBS	\$2.5	\$1.5	\$4.0	\$45,403
238	W12x50 (2 EA, 16'-4" H)	1633	LBS	\$2.5	\$1.5	\$4.0	\$6,532
239	W12x53 (1 EA, 27'-0" H)	1431	LBS	\$2.5	\$1.5	\$4.0	\$5,724
240	W12x58 (1 EA, 27'-0" H)	1566	LBS	\$2.5	\$1.5	\$4.0	\$6,264
241	W12x58 (6 EA, 40'-0" H)	13920	LBS	\$2.5	\$1.5	\$4.0	\$55,680
242	W12x65 (1 EA, 40'-0" H)	2600	LBS	\$2.5	\$1.5	\$4.0	\$10,400
243	W12x72 (2 EA, 27'-0" H)	3888	LBS	\$2.5	\$1.5	\$4.0	\$15,552
244	W12x72 (2 EA, 36'-4" H)	5232	LBS	\$2.5	\$1.5	\$4.0	\$20,926
245	W12x72 (2 EA, 40'-0" H)	5760	LBS	\$2.5	\$1.5	\$4.0	\$23,040
246	W12x79 (2 EA, 36'-4" H)	5740	LBS	\$2.5	\$1.5	\$4.0	\$22,961
247	W12x87 (5 EA, 36'-4" H)	15804	LBS	\$2.5	\$1.5	\$4.0	\$63,214
248	W12x96 (1 EA, 36'-4" H)	3488	LBS	\$2.5	\$1.5	\$4.0	\$13,951
249	W12x106 (3 EA, 36'-4" H)	11553	LBS	\$2.5	\$1.5	\$4.0	\$46,212
250	W14x43 (1 EA, 6'-6" H)	280	LBS	\$2.5	\$1.5	\$4.0	\$1,118
251	W14x74 (3 EA, 27'-0" H)	5994	LBS	\$2.5	\$1.5	\$4.0	\$23,976
252	W14x82 (4 EA, 40'-0" H)	13120	LBS	\$2.5	\$1.5	\$4.0	\$52,480
253	W14x90 (9 EA, 27'-0" H)	21870	LBS	\$2.5	\$1.5	\$4.0	\$87,480
254	W14x90 (1 EA, 36'-4" H)	3270	LBS	\$2.5	\$1.5	\$4.0	\$13,079
255	W14x90 (4 EA, 40'-0" H)	14400	LBS	\$2.5	\$1.5	\$4.0	\$57,600
256	W14x90 (5 EA, 45'-0" H)	20250	LBS	\$2.5	\$1.5	\$4.0	\$81,000
257	W14x99 (4 EA, 36'-4" H)	14387	LBS	\$2.5	\$1.5	\$4.0	\$57,547
258	W14x109 (14 EA, 27'-0" H)	41202	LBS	\$2.5	\$1.5	\$4.0	\$164,808
259	W14x109 (16 EA, 36'-4" H)	63360	LBS	\$2.5	\$1.5	\$4.0	\$253,438
260	W14x109 (13 EA, 40'-0" H)	56680	LBS	\$2.5	\$1.5	\$4.0	\$226,720
261	W14x109 (2 EA, 44'-6" H)	9701	LBS	\$2.5	\$1.5	\$4.0	\$38,804
262	W14x120 (9 EA, 36'-4" H)	39236	LBS	\$2.5	\$1.5	\$4.0	\$156,946
263	W14x132 (12 EA, 36'-4" H)	57547	LBS	\$2.5	\$1.5	\$4.0	\$230,187
264	W14x145 (6 EA, 36'-4" H)	31607	LBS	\$2.5	\$1.5	\$4.0	\$126,428
265	W14x159 (6 EA, 36'-4" H)	34659	LBS	\$2.5	\$1.5	\$4.0	\$138,635
266	HSS12x12x5/8 (2 EA, 30'-0" H)	5586	LBS	\$2.5	\$1.5	\$4.0	\$22,344
267	HSS12x6x1/2 Wind Columns (18 EA, 76'-5 1/2" H)	76374	LBS	\$2.5	\$1.5	\$4.0	\$305,494
268	(6") X-Strong Pipe Canopy Column (5 EA, 15'-0")	5	EA	\$300.0	\$150.0	\$450.0	\$2,250
	<b>Base Plates</b>						
269	(3/4") Thickness Base Plate	5	EA	\$150.0	\$100.0	\$250.0	\$1,250
270	(7/8") Thickness Base Plate	29	EA	\$150.0	\$100.0	\$250.0	\$7,250
271	(1-1/8") Thickness Base Plate	19	EA	\$150.0	\$100.0	\$250.0	\$4,750
272	(1-3/8") Thickness Base Plate	20	EA	\$150.0	\$100.0	\$250.0	\$5,000
273	(1-5/8") Thickness Base Plate	31	EA	\$150.0	\$100.0	\$250.0	\$7,750
274	(1-3/4") Thickness Base Plate	109	EA	\$150.0	\$100.0	\$250.0	\$27,250
	<b>Subtotal (Metals)</b>						<b>\$14,938,810</b>

<b>SUBTOTAL</b>		<b>\$14,938,810.40</b>
<b>OVERHEAD</b>	<b>15%</b>	<b>\$2,240,821.56</b>

INSURANCE  
CONTINGENCY

3%  
5%

\$448,164.31  
\$746,940.52

TOTAL BASE BID

\$18,374,736.79

PRIMAGE ESTIMATING