

Western Michigan University Student Center + Dining Facility

Project No:

Estimation Number:

Bid Date:

Bid Date:

Bid Type:

Address: 1903 Western Michigan Avenue
Kalamazoo, MI 49008, United States

Architect: Cannon Design
Phone: 312.332.9600
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Specifications: None

Addendum None

Drawing Used For Estimate

S0110A, S0100B, S0101A, A0101B, S0102A, S0102B, S0103A, SA0103B, S0104A
S0104B, S0105B, S0105A, S0106, S0110, S0111, S0112, S0113, S0201, S0202, S0211
S221, S0222, S0301, S0302, S0303, S0304, S0311, S0332, S0401, S0501, S0502
S0511, S0601, S0602, S0603, S0611

Assumptions:

Notes:

1. All bars to be ASTM A615 Grade 60
2. Blended Fiber Reinforcement to be ASTM C1116 Type I & II For Polypropylene Fibers
ASTM A820 Type I For Steel Fibers

Rebar Estimation Takeoff Sheet

Western Michigan University Student Center + Dining Facility

Project No:

Bid Date:

Gr 60 Rebar	1247	Tons
Blended Fiber Reinforcement	33894	LBs
2'-0" Long Stud Rail	170	EA

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1				BUILDING			BUILDING								
2				PAD FOOTING			PAD FOOTING								
3				Mark - F5											
4						3			2	5	#5	4.5		5-#5 EW BOT	141
5															
6				Mark - F5-A											
7						4			2	5	#5	4.5		5-#5 EW BOT	188
8															
9				Mark - F6											
10						1			2	6	#5	5.5		6-#5 EW BOT	69
11															
12				Mark - F8											
13						6			2	9	#6	7.50		9-#6 EW BOT	1217
14															
15				Mark - F8X30A											
16						1			2	11	#6	25.5		#6 @ 10" LW T & B	843
17						1			2	37	#6	7.5		#6 @ 10" SW T & B	834
18															
19				Mark - F8X16-A											
20						1			2	9	#6	15.5		#6 @ 12" LW T & B	419
21						1			2	17	#6	7.5		#6 @ 12" SW T & B	383
22															
23				Mark - F8-A											
24						3			2	9	#6	7.50		9-#6 EW BOT	608
25															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
26 Mark - F10															
27						11			2	8	#7	9.50		8-#7 EW BOT	3418
28															
29 Mark - F10.5															
30						1			2	9	#7	10.00		9-#7 EW BOT	368
31															
32 Mark - F12															
33						4			2	11	#8	11.50		11-#8 EW BOT	2702
34															
35 Mark - F13															
36						6			2	12	#7	12.50		12-#7 EW BOT	3679
37															
38 Mark - F14															
39						4			2	12	#8	13.50		12-#8 EW BOT	3460
40															
41 Mark - F16															
42						16			2	12	#9	15.50		12-#9 EW BOT	20237
43															
44 Mark - F18															
45						9			2	16	#9	17.50		16-#9 EW BOT	17136
46															
47 Mark - F1109															
48						2			1	12	#7	10.50		12-#7 LW BOT	515
49						2			1	12	#7	8.50		12-#7 SW BOT	417
50															
51 Mark - F1427															
52						1			2	13	#9	26.50		#9 @ 14" O.C. LW T & B	2343
53						1			2	24	#9	13.50		#9 @ 14" O.C. SW T & B	2203
54															
55 Mark - F1915															
56						1			2	19	#9	18.50		#9 @ 10" O.C. LW T & B	2390
57						1			2	24	#9	14.50		#9 @ 10" O.C. SW T & B	2366
58															
59 Mark - F3324															
60						2			2	27	#9	20.00		#9 @ 11" O.C. LW T & B	7344

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB	
61						1			2	37	#9	13.50		#9 @ 11" O.C. SW T & B	3397	
62																
63	Mark - F4814															
64						2			2	20	#9	30.00		#9 @ 9" O.C. LW T & B	8160	
65						1			2	65	#9	13.50		#9 @ 9" O.C. SW T & B	5967	
66																
67																
68	CONT. FOOTING							CONTINUOUS FOOTING								
69	Mark - SF24 = 82 LFT*****															
70						3				3	#5	30.00		3-#5 Cont.	282	
71										83	#5	1.50		#5 @12" O.C. Trans.	130	
72									2	124	#8	7.25		#8 @ 8" O.C. Dowels EF	4801	
73																
74	Mark - SF30 = 292 LFT*****															
75						11				4	#5	30.00		4-#5 Cont.	1377	
76										293	#5	2.00		#5 @12" O.C. Trans.	611	
77									2	439	#8	7.25		#8 @ 8" O.C. Dowels EF	16996	
78					12					4	#5	4.50		4-#5 Z-Bar @ Steps	225	
79																
80	Mark - SF36 = 270 LFT*****															
81						10				5	#5	30.00		5-#5 Cont.	1565	
82										271	#5	2.50		#5 @12" O.C. Trans.	707	
83									2	407	#8	7.25		#8 @ 8" O.C. Dowels EF	15757	
84					10					5	#5	4.50		5-#5 Z-Bar @ Steps	235	
85																
86	Mark - SF48 = 494 LFT*****															
87						18				7	#5	30.00		7-#5 Cont.	3943	
88										495	#5	3.50		#5 @12" O.C. Trans.	1807	
89									2	743	#8	7.25		#8 @ 8" O.C. Dowels EF	28765	
90					6					7	#5	4.50		7-#5 Z-Bar @ Steps	197	
91																
92	Mark - SF60 = 271 LFT*****															
93						10				9	#5	30		9-#5 Cont.	2816	
94										272	#5	4.50		#5 @12" O.C. Trans.	1277	
95									2	408	#8	7.25		#8 @ 8" O.C. Dowels EF	15796	

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
96															
97	Mark - SF72 = 193 LFT*****														
98						7				11	#5	30.00		11-#5 Cont.	2409
99										194	#5	5.50		#5 @12" O.C. Trans.	1113
100									2	291	#8	7.25		#8 @ 8" O.C. Dowels EF	11266
101					8					11	#5	4.50		11-#5 Z-Bar @ Steps	413
102															
103	Mark - SF84 = 89 LFT*****														
104						3				13	#5	30.00		13-#5 Cont.	1220
105										90	#5	6.50		#5 @12" O.C. Trans.	610
106									2	135	#8	7.75		#8 @ 8" O.C. Dowels EF	5587
107					7					13	#5	4.50		13-#5 Z-Bar @ Steps	427
108															
109	Mark - RF192 = 105 LFT*****														
110						4			2	33	#4	30.00		#4 @ 8" O.C. Cont. Top & Bot	5291
111										159	#8	21.00		#8 @8" O.C. Trans. Top	8915
112										159	#8	23.00		#8 @8" O.C. Trans. Bot	9764
113										159	#8	8.50		#8 @ 8" O.C. Dowels IF	3609
114										141	#4	3.36		#4 @ 9" O.C. Dowels OF	316
115					5					33	#5	4.50		33-#5 Z-Bar @ Steps	774
116															
117															
118	PIERS							PIERS							
119	Mark - P14 = 15 FT H														
120						10				8	#6	15.00		8-#6	1802
121						10				16	#4	5.16		#4 @ 12" O.C. Ties	552
122						10			2	16	#4	1.67		#4 @ 12" O.C. Cross Ties	357
123						10				8	#6	6.08		8-#6 Dowels	731
124															
125	Mark - P16 = 15 FT H														
126						1				8	#6	15.00		8-#6	180
127						1				16	#4	5.83		#4 @ 12" O.C. Ties	62
128						1			2	16	#4	1.83		#4 @ 12" O.C. Cross Ties	39
129						10				8	#6	6.08		8-#6 Dowels	731

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
130															
131 Mark - P16 = 15 FT H															
132						1				8	#6	15.00		8-#6	180
133						1				16	#4	5.83		#4 @ 12" O.C. Ties	62
134						1			2	16	#4	1.83		#4 @ 12" O.C. Cross Ties	39
135						1				8	#6	6.08		8-#6 Dowels	73
136															
137 Mark - P16 = 2.5 FT H															
138						4				8	#6	2.50		8-#6	120
139						4				4	#4	5.83		#4 @ 12" O.C. Ties	62
140						4			2	4	#4	1.83		#4 @ 12" O.C. Cross Ties	39
141						4				8	#6	4.25		8-#6 Dowels	204
142															
143 Mark - P16 = 5 FT H															
144						4				8	#6	5.00		8-#6	240
145						4				10	#4	5.83		#4 @ 12" O.C. Ties	156
146						4			2	10	#4	1.83		#4 @ 12" O.C. Cross Ties	98
147						4				8	#6	4.25		8-#6 Dowels	204
148															
149 Mark - P24 = 1.5 FT H															
150						2				12	#10	1.50		12#10	155
151						2				6	#5	8.50		#5 @ 12" O.C. Ties	106
152						2			4	6	#5	2.50		#5 @ 12" O.C. Cross Ties	125
153						2				12	#10	4.25		12-#10 Dowels	439
154															
155 Mark - P24 = 15 FT H															
156						6				12	#10	15.00		12#10	4647
157						6				16	#5	8.50		#5 @ 12" O.C. Ties	851
158						6			4	16	#5	2.50		#5 @ 12" O.C. Cross Ties	1001
159						6				12	#10	9.67		12-#10 Dowels	2996
160															
161 Mark - P24 = 15.5 FT H															
162						7				12	#10	15.50		12#10	5603
163						7				17	#5	8.50		#5 @ 12" O.C. Ties	1055
164						7			4	17	#5	2.50		#5 @ 12" O.C. Cross Ties	1241

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
165						7				12	#10	9.67		12-#10 Dowels	3495
166															
167 Mark - P24 = 18 FT H															
168						2				12	#10	18.00		12#10	1859
169						2				19	#5	8.50		#5 @ 12" O.C. Ties	337
170						2			4	19	#5	2.50		#5 @ 12" O.C. Cross Ties	396
171						2				12	#10	9.67		12-#10 Dowels	999
172															
173 Mark - P24 = 20.67 FT H															
174						1				12	#10	20.67		12#10	1067
175						1				22	#5	8.5		#5 @ 12" O.C. Ties	195
176						1			4	22	#5	2.5		#5 @ 12" O.C. Cross Ties	229
177						1				12	#10	9.67		12-#10 Dowels	499
178															
179 Mark - P24 = 26.67 FT H															
180						2				12	#10	26.67		12#10	2754
181						2				28	#5	8.5		#5 @ 12" O.C. Ties	496
182						2			4	28	#5	2.5		#5 @ 12" O.C. Cross Ties	584
183						2				12	#10	9.67		12-#10 Dowels	999
184															
185 Mark - P24 = 28.42 FT H															
186						2				12	#10	28.42		12#10	2935
187						2				29	#5	8.50		#5 @ 12" O.C. Ties	514
188						2			4	29	#5	2.50		#5 @ 12" O.C. Cross Ties	605
189						2				12	#10	9.67		12-#10 Dowels	999
190															
191 Mark - P24 = 4.5 FT H															
192						2				12	#10	4.50		12#10	465
193						2				6	#5	8.50		#5 @ 12" O.C. Ties	106
194						2			4	6	#5	2.50		#5 @ 12" O.C. Cross Ties	125
195						2				12	#10	5.25		12-#10 Dowels	542
196															
197 Mark - P24 = 8 FT H															
198						3				12	#10	8.00		12#10	1239
199						3				9	#5	8.50		#5 @ 12" O.C. Ties	239

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
200						3			4	9	#5	2.50		#5 @ 12" O.C. Cross Ties	282
201						3				12	#10	7.25		12-#10 Dowels	1123
202															
203 Mark - P27 = 15 FT H															
204						2				14	#8	15.00		14#8	1121
205						2				16	#5	9.50		#5 @ 12" O.C. Ties	317
206						2			6	16	#5	2.75		#5 @ 12" O.C. Cross Ties	551
207						2				14	#8	8.92		14-#8 Dowels	667
208															
209 Mark - P28 = 28.42 FT H															
210						1				16	#8	28.42		16#8	1214
211						1				29	#5	9.50		#5 @ 12" O.C. Ties	287
212						1			8	29	#5	2.75		#5 @ 12" O.C. Cross Ties	665
213						1				16	#8	8.92		16-#8 Dowels	381
214															
215 Mark - P30 = 15 FT H															
216						1				16	#8	15.00		16#8	641
217						1				16	#5	9.50		#5 @ 12" O.C. Ties	159
218						1			8	16	#5	2.75		#5 @ 12" O.C. Cross Ties	367
219						1				16	#8	8.92		16-#8 Dowels	381
220															
221															
222 BASEMENT WALLS BASEMENT WALLS															
223 Mark - BW10 = 40 LFT & 13' H															
224										41	#5	13.00		#5 @ 12" O.C. Vert. OF	556
225										49	#8	13.00		#8 @ 10" O.C. Vert. IF	1701
226						2			2	14	#5	30.00		#5 @ 12" O.C. Horz. EF	1752
227															
228 Mark - BW10 = 211 LFT & 17'-4" H															
229										212	#5	17.33		#5 @ 12" O.C. Vert. OF	3833
230										254	#8	17.33		#8 @ 10" O.C. Vert. IF	11756
231						8			2	18	#5	30.00		#5 @ 12" O.C. Horz. EF	9012
232															
233 Mark - BW10 = 6 LFT & 28'-7" H															
234										7	#5	28.67		#5 @ 12" O.C. Vert. OF	209

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
235										8	#8	28.67		#8 @ 10" O.C. Vert. IF	612
236									2	30	#5	6.00		#5 @ 12" O.C. Horz. EF	375
237															
238															
239														Mark - BW12 = 36 LFT & 13' H	
240										37	#5	13.00		#5 @ 12" O.C. Vert. OF	502
241										44	#8	13.00		#8 @ 10" O.C. Vert. IF	1527
242						2			2	14	#5	30.00		#5 @ 12" O.C. Horz. EF	1752
243															
244														Mark - BW12 = 102 LFT & 16' H	
245										103	#5	16.00		#5 @ 12" O.C. Vert. OF	1719
246										123	#8	16.00		#8 @ 10" O.C. Vert. IF	5255
247						4			2	17	#5	30.00		#5 @ 12" O.C. Horz. EF	4255
248															
249														Mark - BW12 = 36 LFT & 16'-6" H	
250										37	#5	16.50		#5 @ 12" O.C. Vert. OF	637
251										44	#8	16.50		#8 @ 10" O.C. Vert. IF	1938
252						2			2	18	#5	30.00		#5 @ 12" O.C. Horz. EF	2253
253															
254														Mark - BW12 = 231 LFT & 17' H	
255										232	#5	17.00		#5 @ 12" O.C. Vert. OF	4114
256										278	#8	17.00		#8 @ 10" O.C. Vert. IF	12618
257						9			2	18	#5	30.00		#5 @ 12" O.C. Horz. EF	10138
258															
259														Mark - BW12 = 36 LFT & 17'-4" H	
260										37	#5	17.33		#5 @ 12" O.C. Vert. OF	669
261										44	#8	17.33		#8 @ 10" O.C. Vert. IF	2036
262						1			2	18	#5	40.0		#5 @ 12" O.C. Horz. EF	1502
263															
264														Mark - BW12 = 59 LFT & 26'-0" H	
265										60	#5	26.00		#5 @ 12" O.C. Vert. OF	1627
266										60	#8	26.00		#8 @ 10" O.C. Vert. IF	4165
267						1			2	27	#5	30.0		#5 @ 12" O.C. Horz. EF	1690
268						1			2	27	#5	40.0		#5 @ 12" O.C. Horz. EF	2253
269															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
270 Mark - BW14 = 83 LFT & 17'-4" H															
271										84	#5	17.34		#5 @ 12" O.C. Vert. OF	1519
272										84	#8	17.34		#8 @ 10" O.C. Vert. IF	3889
273						3			2	18.334	#5	30.0		#5 @ 12" O.C. Horz. EF	3442
274															
275 Mark - BW18 = 54 LFT & 16'-8" H															
276										55	#5	16.67		#5 @ 12" O.C. Vert. OF	956
277										55	#8	16.67		#8 @ 10" O.C. Vert. IF	2448
278						2			2	17.67	#5	30.0		#5 @ 12" O.C. Horz. EF	2212
279															
280 Mark - BW18 = 20 LFT & 22'-0" H															
281										21	#5	22.00		#5 @ 12" O.C. Vert. OF	482
282										21	#8	22.00		#8 @ 10" O.C. Vert. IF	1234
283						1			2	23	#5	30.0		#5 @ 12" O.C. Horz. EF	1439
284															
285 Mark - BW18 = 70 LFT & 30'-0" H															
286										71	#5	30.00		#5 @ 12" O.C. Vert. OF	2222
287										71	#8	30.00		#8 @ 10" O.C. Vert. IF	5687
288						2			2	31	#5	40.0		#5 @ 12" O.C. Horz. EF	5173
289															
290 Mark - BW20 = 87 LFT & 29'-0" H															
291										59	#6	30.00		#6 @ 18" O.C. Vert. OF	2659
292										105.4	#9	30.00		#9 @ 10" O.C. Vert. IF	10751
293						2			2	30	#5	30.0		#5 @ 12" O.C. Horz. EF	3755
294						1			2	30	#5	40.0		#5 @ 12" O.C. Horz. EF	2503
295															
296 Mark - BW20A = 86 LFT & 29'-0" H															
297										259	#9	30.00		#9 @ 4" O.C. Vert. OF	26418
298										130	#4	30.00		#9 @ 8" O.C. Vert. IF	2605
299						2			2	45	#4	30.0		#4 @ 8" O.C. Horz. EF	3567
300						1			2	44.5	#4	40.0		#4 @ 8" O.C. Horz. EF	2378
301															
302 Section 06/S0301 (90 Corner Bars- BW10)															
303										17.5	#5	5.16		#5 @ 12" O.C.	94
304 Section 06/S0301 (90 Corner Bars- BW12)															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
305										17	#5	5.16		#5 @ 12" O.C.	91
306										17.5	#5	5.16		#5 @ 12" O.C.	94
307 Section 06/S0301 (90 Corner Bars- BW18)															
308										21	#5	5.16		#5 @ 12" O.C.	113
309 Section 06/S0301 (U Bars- BW20A)															
310										17.5	#5	5.16		#5 @ 12" O.C.	94
311															
312															
313 FROST WALLS								FROST WALLS							
314 Mark - FW8 = 14 LFT & 16'-8" H															
315									2	10	#4	2.83		#4 @ 18" O.C. Vert. EF	39
316									2	12	#4	14.00		#4 @ 18" O.C. Horz. EF	227
317															
318 Mark - FW10 = 68 LFT & 2'-10" H															
319									2	46	#4	2.83		#4 @ 18" O.C. Vert. EF	175
320						3			2	3	#4	30.00		#4 @ 18" O.C. Horz. EF	347
321															
322 Mark - FW10 = 83 LFT & 2'-8" H															
323									2	56	#4	2.64		#4 @ 18" O.C. Vert. EF	198
324						3			2	3	#4	30.00		#4 @ 18" O.C. Horz. EF	334
325															
326 Mark - FW12 = 91 LFT & 16'-0" H															
327									2	62	#4	16.00		#4 @ 18" O.C. Vert. EF	1318
328						3			2	12	#4	30.00		#4 @ 18" O.C. Horz. EF	1403
329															
330 Mark - FW12 = 92 LFT & 4'-2" H															
331									2	62	#4	0.16		#4 @ 18" O.C. Vert. EF	13
332						3			2	4	#4	30.00		#4 @ 18" O.C. Horz. EF	454
333															
334 Mark - FW12 = 58 LFT & 5'-8" H															
335									2	40	#4	5.67		#4 @ 18" O.C. Vert. EF	300
336						2			2	5	#4	30.00		#4 @ 18" O.C. Horz. EF	383
337															
338 Mark - FW12A = 22 LFT & 4'-2" H															
339									2	16	#4	4.16		#4 @ 18" O.C. Vert. EF	87

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
340									2	4	#4	22.00		#4 @ 18" O.C. Horz. EF	111
341															
342 Mark - FW14 = 28 LFT & 10'-0" H															
343									2	20	#4	10.00		#4 @ 18" O.C. Vert. EF	263
344						1			2	8	#4	30.00		#4 @ 18" O.C. Horz. EF	307
345															
346 Mark - FW14A = 57 LFT & 10'-0" H															
347									2	39	#4	10.00		#4 @ 18" O.C. Vert. EF	521
348						2			2	8	#4	30.00		#4 @ 18" O.C. Horz. EF	615
349															
350 Mark - FW14A = 41 LFT & 19'-0" H															
351									2	28	#4	19.00		#4 @ 18" O.C. Vert. EF	719
352						2			2	14	#4	30.00		#4 @ 18" O.C. Horz. EF	1096
353															
354 Mark - FW14A = 27 LFT & 27'-9" H															
355									2	19	#4	27.75		#4 @ 18" O.C. Vert. EF	704
356						1			2	20	#4	30.00		#4 @ 18" O.C. Horz. EF	782
357															
358 Mark - FW14A = 34 LFT & 29'-9" H															
359									2	24	#4	29.75		#4 @ 18" O.C. Vert. EF	941
360						2			2	21	#4	30.00		#4 @ 18" O.C. Horz. EF	1670
361															
362 Mark - FW15.5 = 14 LFT & 4'-2" H															
363									2	10	#5	4.16		#5 @ 18" O.C. Vert. EF	90
364									2	4	#5	14.00		#5 @ 18" O.C. Horz. EF	110
365															
366 Mark - FW15.5 = 14 LFT & 4'-2" H															
367									2	10	#5	4.16		#5 @ 18" O.C. Vert. EF	90
368									2	4	#5	14.00		#5 @ 18" O.C. Horz. EF	110
369															
370 Mark - FW16 = 15 LFT & 7'-2" H															
371									2	11	#5	7.16		#5 @ 18" O.C. Vert. EF	164
372									2	6	#5	15.00		#5 @ 18" O.C. Horz. EF	181
373															
374 Mark - FW20 = 13 LFT & 2'-8" H															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
375									2	10	#5	2.67		#5 @ 18" O.C. Vert. EF	54
376									2	3	#5	13.00		#5 @ 18" O.C. Horz. EF	75
377									2	6	#5	15.00		#5 @ 18" O.C. Horz. EF	181
378															
379														Mark - FW20 = 138 LFT & 4'-2" H	
380									2	93	#5	4.16		#5 @ 18" O.C. Vert. EF	807
381						5			2	4	#5	30.00		#5 @ 18" O.C. Horz. EF	1181
382															
383														Mark - FW21 = 44 LFT & 5'-8" H	
384									2	30	#5	5.67		#5 @ 18" O.C. Vert. EF	359
385						2			2	5	#5	30.00		#5 @ 18" O.C. Horz. EF	598
386															
387														Mark - FW25 = 9 LFT & 4'-2" H	
388									2	7	#5	4.16		#5 @ 18" O.C. Vert. EF	61
389									2	4	#5	9.00		#5 @ 18" O.C. Horz. EF	71
390															
391														Elevator Pit Walls 11/S0302	
392									2	40	#4	4.00		#4 @ 12" O.C. Vert. EF	214
393									1	5	#4	40.00		#4 @ 12" O.C. Horz. EF	134
394									1	5	#4	30.00		#4 @ 12" O.C. Horz. EF	100
395															
396														Section 06/S0301 (90 Corner Bars- FW14A)	
397										14	#4	4.30		#4 @ 18" O.C.	41
398										88	#4	4.30		#4 @ 8" O.C.	253
399															
400														Section 3,4,6,7,10,12/S0106 & 20/S0304 (Dowels Into CMU)	
401										526	#5	4.00		#5 @ 16" O.C.	2194
402															
403															
404														COLUMNS	COLUMNS
405														12" X 12" - Level 00	
406						2				4	#8	14.00		4-#8, 1'-0" Hook @ One End	299
407						2				21	#5	4.50		#5 @ 12" O.C. Stirrups	197
408						2				4	#8	8.16		4-#8 Dowels	174
409															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
410 24" Dia - Level 00															
411						3				6	#8	18.67		6-#8	897
412						3				22	#5	6.50		#5 @ 12" O.C. Stirrups	447
413						3				6	#8	8.16		6-#8 Dowels	392
414															
415 24" Dia - Level 00															
416						1				12	#10	18.67		12-#10	964
417						1				29	#5	6.50		#5 @ 8" O.C. Stirrups	197
418						1				10	#8	8.16		10-#8 Dowels	218
419															
420 24" Dia - Level 00															
421						1				6	#8	19.42		6-#8	311
422						1				22	#5	6.50		#5 @ 12" O.C. Stirrups	149
423						1				6	#8	8.16		6-#8 Dowels	131
424															
425 24" Dia - Level 00															
426						1				6	#8	19.00		6-#8, 1'-0" Hook @ One End	304
427						1				26	#5	6.50		#5 @ 12" O.C. Stirrups	176
428						1				6	#8	8.16		6-#8 Dowels	131
429															
430 24" X 24" - Level 00															
431						4				6	#8	20.67		6-#8	1325
432						4				24	#5	8.50		#5 @ 12" O.C. Stirrups	851
433						4				24	#5	2.50		#5 @ 12" O.C. Cross Ties	250
434						4				6	#8	8.16		6-#8 Dowels	523
435															
436 24" X 24" - Level 00															
437						3				6	#8	22.67		6-#8	1090
438						3				26	#5	8.50		#5 @ 12" O.C. Stirrups	692
439						3				26	#5	2.50		#5 @ 12" O.C. Cross Ties	203
440						3				6	#8	8.16		6-#8 Dowels	392
441															
442 24" X 24" - Level 00															
443						1				6	#8	24.17		6-#8	387
444						1				28	#5	8.50		#5 @ 12" O.C. Stirrups	244

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
445						1				28	#5	2.50		#5 @ 12" O.C. Cross Ties	72
446						1				6	#8	8.16		6-#8 Dowels	131
447															
448 24" X 24" - Level 00															
449						1				6	#8	19.00		6-#8, 1'-0" Hook @ One End	304
450						1				26	#5	8.50		#5 @ 12" O.C. Stirrups	231
451						1				26	#5	2.50		#5 @ 12" O.C. Cross Ties	68
452						1				6	#8	8.16		6-#8 Dowels	131
453															
454 24" X 24" - Level 00															
455						2				6	#8	23.25		6-#8	745
456						2				27	#5	8.50		#5 @ 12" O.C. Stirrups	471
457						2				27	#5	2.50		#5 @ 12" O.C. Cross Ties	139
458						2				6	#8	8.16		6-#8 Dowels	261
459															
460 24" X 24" - Level 00															
461						1				6	#8	24.17		6-#8	387
462						1				28	#5	8.50		#5 @ 12" O.C. Stirrups	244
463						1				28	#5	2.50		#5 @ 12" O.C. Cross Ties	72
464						1				6	#8	8.16		6-#8 Dowels	131
465															
466 24" X 24" - Level 00															
467						1				6	#8	21.42		6-#8	343
468						1				25	#5	8.50		#5 @ 12" O.C. Stirrups	219
469						1				25	#5	2.50		#5 @ 12" O.C. Cross Ties	65
470						1				6	#8	8.16		6-#8 Dowels	131
471															
472 24" X 24" - Level 00															
473						1				6	#8	22.83		6-#8	366
474						1				26	#5	8.50		#5 @ 12" O.C. Stirrups	232
475						1				26	#5	2.50		#5 @ 12" O.C. Cross Ties	68
476						1				6	#8	8.16		6-#8 Dowels	131
477															
478 24" X 24" - Level 00															
479						1				6	#8	24.17		6-#8	387

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
480						1				28	#5	8.50		#5 @ 12" O.C. Stirrups	244
481						1				28	#5	2.50		#5 @ 12" O.C. Cross Ties	72
482						1				6	#8	8.16		6-#8 Dowels	131
483															
484 24" X 24" - Level 00															
485						1				6	#8	25.42		6-#8	407
486						1				29	#5	8.50		#5 @ 12" O.C. Stirrups	255
487						1				29	#5	2.50		#5 @ 12" O.C. Cross Ties	75
488						1				6	#8	8.16		6-#8 Dowels	131
489															
490 24" X 24" - Level 00															
491						1				6	#8	25.81		6-#8	413
492						1				29	#5	8.50		#5 @ 12" O.C. Stirrups	258
493						1				29	#5	2.50		#5 @ 12" O.C. Cross Ties	76
494						1				6	#8	8.16		6-#8 Dowels	131
495															
496 27" X 27" - Level 00															
497						1				8	#8	18.67		8-#8	399
498						1				29	#5	9.50		#5 @ 8" O.C. Stirrups	287
499						1			2	29	#5	2.75		#5 @ 8" O.C. Cross Ties	166
500						1				8	#8	8.16		8-#8 Dowels	174
501															
502 24" Dia - Level 01															
503						1				12	#10	25.34		12-#10	1308
504						1				32	#5	6.50		#5 @ 8" O.C. Stirrups	217
505															
506 24" Dia - Level 01															
507						9				6	#8	21.67		6-#8	3124
508						9				24	#5	6.50		#5 @ 12" O.C. Stirrups	1464
509						9				6	#8	7.00		6-#8 Dowels	1009
510															
511 24" Dia - Level 01															
512						15				6	#8	25.34		6-#8	6089
513						15				24	#5	6.50		#5 @ 12" O.C. Stirrups	2441
514															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
515 24" Dia - Level 01															
516						6				6	#8	18.00		6-#8, 1'-0" Hook @ One End	1730
517						6				24	#5	6.50		#5 @ 12" O.C. Stirrups	976
518						6				6	#8	7.00		6-#8 Dowels	673
519															
520 24" Dia - Level 01															
521						1				6	#8	21.67		6-#8, 1'-0" Hook @ One End	347
522						1				24	#5	6.50		#5 @ 12" O.C. Stirrups	163
523															
524 24" X 24" - Level 01															
525						5				6	#8	21.67		6-#8	1736
526						5				24	#5	8.50		#5 @ 12" O.C. Stirrups	1064
527						5				24	#5	2.50		#5 @ 12" O.C. Cross Ties	313
528						5				6	#8	7.00		6-#8 Dowels	561
529															
530 24" X 24" - Level 01															
531						6				6	#8	25.34		6-#8	2436
532						6				24	#5	8.50		#5 @ 12" O.C. Stirrups	1277
533						6				24	#5	2.50		#5 @ 12" O.C. Cross Ties	375
534															
535 27" Dia - Level 01															
536						1				6	#8	21.67		6-#8, 1'-0" Hook @ One End	347
537						1				24	#5	8.07		#5 @ 12" O.C. Stirrups	202
538						1				6	#8	7.00		6-#8 Dowels	112
539															
540 27" Dia - Level 01															
541						1				6	#8	26.34		6-#8, 1'-0" Hook @ One End	422
542						1				24	#5	8.07		#5 @ 12" O.C. Stirrups	202
543															
544 27" X 27" - Level 01															
545						1				8	#8	21.67		8-#8	463
546						1				32	#5	9.50		#5 @ 8" O.C. Stirrups	317
547						1			2	32	#5	2.75		#5 @ 8" O.C. Cross Ties	184
548						1				8	#8	7.00		8-#8 Dowels	150
549															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
550 18" Dia - Level 02															
551						1				6	#8	23.67		6-#8	379
552						1				21	#5	4.93		#5 @ 18" O.C. Stirrups	106
553						1				6	#8	7.00		6-#8 Dowels	112
554															
555 18" Dia - Level 02															
556						7				6	#6	27.34		6-#6	1725
557						7				20	#5	4.93		#5 @ 18" O.C. Stirrups	719
558															
559 18" Dia - Level 02															
560						2				6	#6	23.67		6-#6, 1'-0" Hook @ One End	427
561						2				20	#5	4.93		#5 @ 18" O.C. Stirrups	205
562															
563 24" Dia - Level 02															
564						9				6	#8	23.67		6-#8	3413
565						9				27	#5	6.50		#5 @ 12" O.C. Stirrups	1647
566						9				6	#8	7.00		6-#8 Dowels	1009
567															
568 24" Dia - Level 02															
569						19				6	#8	27.34		6-#8	8322
570						19				26	#5	6.50		#5 @ 12" O.C. Stirrups	3349
571															
572 24" Dia - Level 02															
573						1				12	#10	27.34		12-#10	1412
574						1				26	#5	6.50		#5 @ 12" O.C. Stirrups	176
575															
576 24" Dia - Level 02															
577						3				6	#8	20.00		6-#8, 1'-0" Hook @ One End	961
578						3				27	#5	6.50		#5 @ 12" O.C. Stirrups	549
579						3				6	#8	7.00		6-#8 Dowels	336
580															
581 24" Dia - Level 02															
582						5				6	#8	23.67		6-#8, 1'-0" Hook @ One End	1896
583						5				26	#5	6.50		#5 @ 12" O.C. Stirrups	881

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
584															
585 24" X 24" - Level 02															
586						2				6	#8	23.67		6-#8	758
587						2				27	#5	8.50		#5 @ 12" O.C. Stirrups	479
588						2				27	#5	2.50		#5 @ 12" O.C. Cross Ties	141
589						2				6	#8	7.00		6-#8 Dowels	224
590															
591 24" X 24" - Level 02															
592						2				6	#8	27.34		6-#8	876
593						2				26	#5	8.50		#5 @ 12" O.C. Stirrups	461
594						2				26	#5	2.50		#5 @ 12" O.C. Cross Ties	136
595															
596 27" Dia - Level 02															
597						2				6	#8	22.67		6-#8, 1'-0" Hook @ One End	726
598						2				26	#5	8.07		#5 @ 12" O.C. Stirrups	437
599						2				6	#8	7.00		6-#8 Dowels	224
600															
601 27" Dia - Level 02															
602						2				6	#8	27.34		6-#8, 1'-0" Hook @ One End	876
603						2				26	#5	8.07		#5 @ 12" O.C. Stirrups	437
604															
605 30" Dia - Level 02															
606						2				10	#8	27.34		10-#8, 1'-0" Hook @ One End	1460
607						2				26	#5	6.06		#5 @ 12" O.C. Stirrups	329
608															
609 18" Dia - Level 03															
610						11				6	#6	16.00		6-#6, 1'-0" Hook @ One End	1586
611						11				18	#5	4.93		#5 @ 18" O.C. Stirrups	1017
612						11				6	#6	5.17		6-#6 Dowels	512
613															
614 18" Dia - Level 03															
615						1				6	#8	16.00		6-#8, 1'-0" Hook @ One End	256
616						1				18	#5	4.93		#5 @ 18" O.C. Stirrups	92
617						1				6	#8	5.17		6-#8 Dowels	83

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
618															
619														18" Dia - Level 03	
620						22				6	#6	19.00		6-#6,1'-0" Hook @ One End	3767
621						22				18	#5	4.93		#5 @ 18" O.C. Stirrups	2034
622															
623														18" Dia - Level 03	
624						1				6	#8	19.00		6-#8,1'-0" Hook @ One End	304
625						1				18	#5	4.93		#5 @ 18" O.C. Stirrups	92
626															
627														24" Dia - Level 03	
628						5				6	#8	16.00		6-#8,1'-0" Hook @ One End	1282
629						5				23	#5	6.50		#5 @ 12" O.C. Stirrups	780
630						5				6	#8	7.00		6-#8 Dowels	561
631															
632														24" Dia - Level 03	
633						8				6	#8	20.67		6-#8,1'-0" Hook @ One End	2649
634						8				23	#5	6.50		#5 @ 12" O.C. Stirrups	1247
635															
636														24" Dia - Level 03	
637						1				12	#10	20.67		12-#10,1'-0" Hook @ One End	1067
638						1				23	#5	6.50		#5 @ 12" O.C. Stirrups	156
639															
640														24" X 24" - Level 03	
641						2				6	#8	16.00		6-#8	513
642						2				23	#5	8.50		#5 @ 12" O.C. Stirrups	408
643						2				23	#5	2.50		#5 @ 12" O.C. Cross Ties	120
644						2				6	#8	7.00		6-#8 Dowels	224
645															
646														27" Dia - Level 03	
647						2				14	#8	20.67		14-#8, 1'-0" Hook @ One End	1545
648						2				23	#5	8.07		#5 @ 12" O.C. Stirrups	387
649															
650														27" Dia - Level 03	
651						1				6	#8	20.67		6-#8, 1'-0" Hook @ One End	331

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB	
652						1				23	#5	8.07		#5 @ 12" O.C. Stirrups	193	
653	654 27" Dia - Level 03															
655						1				8	#8	20.67		8-#8, 1'-0" Hook @ One End	442	
656						1				23	#5	8.07		#5 @ 12" O.C. Stirrups	193	
657	658 30" Dia - Level 03															
659						1				10	#8	20.68		10-#8, 1'-0" Hook @ One End	552	
660						1				23	#5	6.06		#5 @ 12" O.C. Stirrups	145	
661																
662																
663	BEAMS					BEAMS										
664	Beam CB 1 = 36'-0" Long															
665						1				2	#9	30.00		2-#9 Bottom	204	
666						1				2	#9	20.00		2-#9 Bottom	136	
667										4	#8	27.00		4-#8 Add. Interior Span	288	
668																
669						1				2	#9	30.00		2-#9 Top	204	
670						1				2	#9	20.00		2-#9 Top	136	
671									2	3	#7	13.00		3-#7 Add. Each End	159	
672																
673						1				3	#6	30.00		3-#6 Side Bars	135	
674						1				3	#6	20.00		3-#6 Side Bars	90	
675										5	#7	10.00		#4 @ 18" O.C. Stirrups	102	
676									2	10	#4	10.50		10-#4 Stirrups @ Each End	140	
677	678 Beam CB 2 = 32'-3" Long															
679						1				2	#9	40.00		2-#9 Bottom	272	
680										4	#8	24.19		4-#8 Add. Interior Span	258	
681																
682						1				4	#8	40.00		4-#8 Top	427	

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
683									2	3	#7	10.64		3-#7 Addl. Each End	131
684															
685						1				3	#7	40.00		3-#7 Side Bars	245
686										40	#5	10.50		#5 @ 10" O.C. Stirrups	435
687															
688 Beam CB 2 = 12'-10" Long															
689						1				2	#9	20.00		2-#9 Bottom	136
690										4	#8	9.65		4-#8 Add. Interior Span	103
691															
692						1				4	#8	20.00		4-#8 Top	214
693									2	3	#7	5.25		3-#7 Addl. Each End	64
694															
695						1				3	#7	20.00		3-#7 Side Bars	123
696										16	#5	10.50		#5 @ 10" O.C. Stirrups	180
697															
698 Beam CB 2 = 27'-2" Long															
699						1				2	#9	40.00		2-#9 Bottom	272
700										4	#8	20.41		4-#8 Add. Interior Span	218
701															
702						1				4	#8	40.00		4-#8 Top	427
703									2	3	#7	9.98		3-#7 Addl. Each End	122
704															
705						1				3	#7	40.00		3-#7 Side Bars	245
706										34	#5	10.50		#5 @ 10" O.C. Stirrups	369
707															
708 Beam CB 2 = 28'-6" Long															
709						1				2	#9	40.00		2-#9 Bottom	272
710										4	#8	21.41		4-#8 Add. Interior Span	229
711															
712						1				4	#8	40.00		4-#8 Top	427

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
713									2	3	#7	10.42		3-#7 Addl. Each End	128
714															
715						1				3	#7	40.00		3-#7 Side Bars	245
716										35	#5	10.50		#5 @ 10" O.C. Stirrups	386
717	718 Beam CB 2 = 20'-1" Long														
719						1				2	#9	30.00		2-#9 Bottom	204
720										4	#8	15.05		4-#8 Add. Interior Span	161
721															
722						1				4	#8	30.00		4-#8 Top	320
723									2	3	#7	7.62		3-#7 Addl. Each End	93
724															
725						1				3	#7	30.00		3-#7 Side Bars	184
726										25	#5	10.50		#5 @ 10" O.C. Stirrups	275
727	728 Beam CB 2 = 46'-6" Long														
729						1				2	#9	30.00		2-#9 Bottom	204
730						1				2	#9	20.00		2-#9 Bottom	136
731						2				4	#8	20.00		4-#8 Add. Interior Span	427
732															
733						1				4	#8	30.00		4-#8 Top	320
734						1				4	#8	20.00		4-#8 Top	214
735									2	3	#7	16.36		3-#7 Addl. Each End	201
736															
737						1				3	#7	30.00		3-#7 Side Bars	184
738						1				3	#7	20.00		3-#7 Side Bars	123
739										25	#5	10.50		#5 @ 10" O.C. Stirrups	275
740	741 Beam CB 2 = 37'-6" Long														
742						1				2	#9	40.00		2-#9 Bottom	272

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
743										4	#8	28.13		4-#8 Add. Interior Span	300
744															
745						1				4	#8	40.00		4-#8 Top	427
746									2	3	#7	13.38		3-#7 Addl. Each End	164
747															
748						1				3	#7	40.00		3-#7 Side Bars	245
749										46	#5	10.50		#5 @ 10" O.C. Stirrups	504
750	751 Beam CB 2 = 32'-4" Long														
752						1				2	#9	40.00		2-#9 Bottom	272
753										4	#8	24.27		4-#8 Add. Interior Span	259
754															
755						1				4	#8	40.00		4-#8 Top	427
756									2	3	#7	11.68		3-#7 Addl. Each End	143
757															
758						1				3	#7	40.00		3-#7 Side Bars	245
759										40	#5	10.50		#5 @ 10" O.C. Stirrups	436
760	761 Beam CB 3 = 25'-2"														
762						1				4	#8	30.00		4-#8 Bottom	320
763															
764						1				6	#7	30.00		6-#7 Top	368
765															
766						1				3	#7	30.00		3-#7 Side Bars	184
767									2	26	#5	10.50		#5 @ 12" O.C. Stirrups	574
768	769 Beam CB 3 = 55'-0"														
770						2				4	#8	30.00		4-#8 Bottom	641
771															
772						2				6	#7	30.00		6-#7 Top	736

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
773															
774						2				3	#7	30.00		3-#7 Side Bars	368
775									2	56	#5	10.50		#5 @ 12" O.C. Stirrups	1227
776	777 Beam CB 3 = 32'-5"														
778						1				4	#8	40.00		4-#8 Bottom	427
779															
780						1				6	#7	40.00		6-#7 Top	491
781															
782						1				3	#7	40.00		3-#7 Side Bars	245
783									2	33	#5	10.50		#5 @ 12" O.C. Stirrups	732
784	785 Beam CB 3 = 35'-11"														
786						1				4	#8	30.00		4-#8 Bottom	320
787						1				4	#8	20.00		4-#8 Bottom	214
788															
789						1				6	#7	30.00		6-#7 Top	368
790						1				6	#7	20.00		6-#7 Top	245
791															
792						1				3	#7	30.00		3-#7 Side Bars	184
793						1				3	#7	20.00		3-#7 Side Bars	123
794									2	37	#5	10.50		#5 @ 12" O.C. Stirrups	808
795	796 Beam CB 3 = 34'-0"														
797						1				4	#8	40.00		4-#8 Bottom	427
798															
799						1				6	#7	40.00		6-#7 Top	491
800															
801						1				3	#7	40.00		3-#7 Side Bars	245
802									2	35	#5	10.00		#5 @ 12" O.C. Stirrups	730

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
803															
804 Beam CB 3 = 60'-0"															
805						1				4	#8	40.00		4-#8 Bottom	427
806						1				4	#8	30.00		4-#8 Bottom	320
807															
808						1				6	#7	40.00		6-#7 Top	491
809						1				6	#7	30.00		6-#7 Top	368
810															
811						1				3	#7	40.00		3-#7 Side Bars	245
812						1				3	#7	30.00		3-#7 Side Bars	184
813									2	61	#5	10.50		#5 @ 12" O.C. Stirrups	1336
814															
815 Beam CB 3 = 32'-0"															
816						1				4	#8	40.00		4-#8 Bottom	427
817															
818						1				6	#7	40.00		6-#7 Top	491
819															
820						1				3	#7	40.00		3-#7 Side Bars	245
821									2	33	#5	10.50		#5 @ 12" O.C. Stirrups	0
822															
823 Beam CB 4 = 19'-2"															
824						1				2	#8	30.00		2-#8 Bottom	160
825															
826						1				2	#9	30.00		2-#9 Top	204
827									2	3	#6	7.32		3-#6 Addl. Each End	66
828															
829						1				4	#7	30.00		4-#7 Side Bars	245
830									2	14	#5	10.50		#5 @ 18" O.C. Stirrups	302
831															
832 Beam CB 4 = 35'-7"															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
833						1				2	#8	40.00		2-#8 Bottom	214
834															
835						1				2	#9	40.00		2-#9 Top	272
836															
837						1				4	#7	40.00		4-#7 Side Bars	327
838									2	25	#5	10.50		#5 @ 18" O.C. Stirrups	0
839	840 Beam CB 4 = 35'-7"														
841						1				2	#8	40.00		2-#8 Bottom	214
842															
843						1				2	#9	40.00		2-#9 Top	272
844									2	3	#6	12.75		3-#6 Addl. Each End	115
845															
846						1				4	#7	40.00		4-#7 Side Bars	327
847									2	25	#5	10.50		#5 @ 18" O.C. Stirrups	542
848	849 Beam CB 4 = 32'-0"														
850						1				2	#8	40.00		2-#8 Bottom	214
851															
852						1				2	#9	40.00		2-#9 Top	272
853									2	3	#6	11.56		3-#6 Addl. Each End	104
854															
855						1				4	#7	40.00		4-#7 Side Bars	327
856									2	22	#5	10.50		#5 @ 18" O.C. Stirrups	0
857	858 Beam CB 4 = 36'-8"														
859						1			2	2	#8	30.00		2-#8 Bottom	320
860						1			2	2	#8	20.00		2-#8 Bottom	214
861															
862						1			2	2	#9	30.00		2-#9 Top	408

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
863						1			2	2	#9	20.00		2-#9 Top	272
864									4	3	#6	13.10		3-#6 Addl. Each End	236
865															
866						1			2	4	#7	30.00		4-#7 Side Bars	491
867						1			2	4	#7	20.00		4-#7 Side Bars	327
868									4	25	#5	10.50		#5 @ 18" O.C. Stirrups	1115
869															
870	Beam CB 4 = 38'-2"														
871						1				2	#8	30.00		2-#8 Bottom	160
872						1				2	#8	20.00		2-#8 Bottom	107
873															
874						1				2	#9	30.00		2-#9 Top	204
875						1				2	#9	20.00		2-#9 Top	136
876									2	3	#6	13.59		3-#6 Addl. Each End	122
877															
878						1				4	#7	30.00		4-#7 Side Bars	245
879						1				4	#7	20.00		4-#7 Side Bars	164
880									2	26	#5	10.50		#5 @ 18" O.C. Stirrups	579
881															
882	Beam CB 5 = 42'-2" Long														
883						1				2	#9	30.00		2-#9 Bottom	204
884						1				2	#9	20.00		2-#9 Bottom	136
885						2				4	#8	20.00		4-#8 Add. End Span	427
886															
887						1				2	#9	30.00		2-#9 Top	204
888						1				2	#9	20.00		2-#9 Top	136
889									2	4	#8	13.00		4-#8 Add. Each End	278
890															
891						1				4	#8	30.00		4-#8 Side Bars	320

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
892						1				4	#8	20.00		4-#8 Side Bars	214
893										29	#7	10.50		#5 @ 18" O.C. Stirrups	625
894															
895 Beam CB 6 = 42'-6"															
896						1				4	#8	30.00		4-#8 Bottom	320
897						1				4	#8	20.00		4-#8 Bottom	214
898															
899						1				3	#7	30.00		3-#7 Top	184
900						1				3	#7	20.00		3-#7 Top	123
901									2	2	#9	15.03		2-#9 Addl. Each End	204
902															
903						1				3	#7	30.00		3-#7 Side Bars	184
904						1				3	#7	20.00		3-#7 Side Bars	123
905									2	17	#5	10.50		#5 @ 18" O.C. Stirrups	380
906						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
907															
908 Beam CB 6 = 32'-0"															
909						1				4	#8	40.00		4-#8 Bottom	427
910															
911						1				3	#7	40.00		3-#7 Top	245
912									2	2	#9	11.56		2-#9 Addl. Each End	157
913															
914						1				3	#7	40.00		3-#7 Side Bars	245
915									2	10	#5	10.50		#5 @ 18" O.C. Stirrups	226
916						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
917															
918 Beam CB 6 = 36'-8"															
919						1				4	#8	40.00		4-#8 Bottom	427
920															
921						1				3	#7	40.00		3-#7 Top	245

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
922									2	2	#9	13.10		2-#9 Addl. Each End	178
923															
924						1				3	#7	40.00		3-#7 Side Bars	245
925									2	14	#5	10.50		#5 @ 18" O.C. Stirrups	299
926						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
927	928 Beam CB 6 = 27'-2"														
929						1				4	#8	40.00		4-#8 Bottom	427
930															
931						1				3	#7	40.00		3-#7 Top	245
932									2	2	#9	13.10		2-#9 Addl. Each End	178
933															
934						1				3	#7	40.00		3-#7 Side Bars	245
935									2	7	#5	10.50		#5 @ 18" O.C. Stirrups	153
936						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
937	938 Beam CB 6 = 31'-3"														
939						1				4	#8	40.00		4-#8 Bottom	427
940															
941						1				3	#7	40.00		3-#7 Top	245
942									2	2	#9	11.31		2-#9 Addl. Each End	154
943															
944						1				3	#7	40.00		3-#7 Side Bars	245
945									2	10	#5	10.50		#5 @ 18" O.C. Stirrups	215
946						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
947	948 Beam CB 6 = 26'-2"														
949						1				4	#8	40.00		4-#8 Bottom	427
950															
951						1				3	#7	40.00		3-#7 Top	245

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
952									2	2	#9	9.64		2-#9 Addl. Each End	131
953															
954						1				3	#7	40.00		3-#7 Side Bars	245
955									2	6	#5	10.50		#5 @ 18" O.C. Stirrups	139
956						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
957	958 Beam CB 6 = 29'-5"														
959						1				4	#8	40.00		4-#8 Bottom	427
960															
961						1				3	#7	40.00		3-#7 Top	245
962									2	2	#9	10.70		2-#9 Addl. Each End	145
963															
964						1				3	#7	40.00		3-#7 Side Bars	245
965									2	9	#5	10.50		#5 @ 18" O.C. Stirrups	188
966						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
967	968 Beam CB 6 = 49'-3"														
969						2				4	#8	30.00		4-#8 Bottom	641
970															
971						2				3	#7	30.00		3-#7 Top	368
972									2	2	#9	17.25		2-#9 Addl. Each End	235
973															
974						2				3	#7	30.00		3-#7 Side Bars	368
975									2	22	#5	10.50		#5 @ 18" O.C. Stirrups	478
976						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
977	978 Beam CB 6 = 33'-3"														
979						1				4	#8	40.00		4-#8 Bottom	427
980															
981						1				3	#7	40.00		3-#7 Top	245

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
982									2	2	#9	11.97		2-#9 Addl. Each End	163
983															
984						1				3	#7	40.00		3-#7 Side Bars	245
985									2	22	#5	10.50		#5 @ 18" O.C. Stirrups	478
986						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
987	988 Beam CB 6 = 36'-8"														
989						1				4	#8	40.00		4-#8 Bottom	427
990															
991						1				3	#7	40.00		3-#7 Top	245
992									2	2	#9	13.10		2-#9 Addl. Each End	178
993															
994						1				3	#7	40.00		3-#7 Side Bars	245
995									2	13	#5	10.50		#5 @ 18" O.C. Stirrups	295
996						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
997	998 Beam CB 6 = 35'-8"														
999						1				4	#8	40.00		4-#8 Bottom	427
1000															
1001						1				3	#7	40.00		3-#7 Top	245
1002									2	2	#9	12.77		2-#9 Addl. Each End	174
1003															
1004						1				3	#7	40.00		3-#7 Side Bars	245
1005									2	13	#5	10.50		#5 @ 18" O.C. Stirrups	280
1006						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
1007	1008 Beam CB 6 = 42'-3"														
1009						1				4	#8	30.00		4-#8 Bottom	320
1010						1				4	#8	20.00		4-#8 Bottom	214
1011															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1012						1				3	#7	30.00		3-#7 Top	184
1013						1				3	#7	20.00		3-#7 Top	123
1014									2	2	#9	14.93		2-#9 Addl. Each End	203
1015															
1016						1				3	#7	40.00		3-#7 Side Bars	245
1017									2	17	#5	10.50		#5 @ 18" O.C. Stirrups	376
1018						2			2	6	#5	10.50		6-#5 @ 18" O.C. Stirrups	131
1019															
1020 Beam CB 7 = 72'-8"															
1021						1				3	#9	60.00		3-#9 Bottom	612
1022						1				3	#9	20.00		3-#9 Bottom	204
1023						1				2	#6	30.00		2-#6 Additional Int. Span	90
1024						1				2	#6	20.00		2-#6 Additional Int. Span	60
1025															
1026						1				2	#9	60.00		2-#9 Top	408
1027						1				3	#8	20.00		2-#9 Top	160
1028									2	3	#8	24.98		3-#8 Addl. Each End	400
1029															
1030										49	#4	10.50		#4 @ 18" O.C. Stirrups	347
1031															
1032 Beam CB 7 = 37'-6"															
1033						1				3	#9	30.00		3-#9 Bottom	306
1034						1				3	#9	20.00		3-#9 Bottom	204
1035						1				2	#6	30.00		2-#6 Additional Int. Span	90
1036															
1037						1				2	#9	30.00		2-#9 Top	204
1038						1				3	#8	20.00		2-#9 Top	160
1039									2	3	#8	13.38		3-#8 Addl. Each End	214
1040															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1041										26	#4	10.50		#4 @ 18" O.C. Stirrups	182
1042															
1043 Beam CB 7 = 35'-7"															
1044						1				3	#9	40.00		3-#9 Bottom	408
1045						1				2	#6	26.75		2-#6 Additional Int. Span	80
1046															
1047						1				2	#9	40.00		2-#9 Top	272
1048									2	3	#8	12.77		3-#8 Addl. Each End	205
1049															
1050										25	#4	10.50		#4 @ 18" O.C. Stirrups	174
1051															
1052 Beam CB 8 = 10'-0"															
1053						1				4	#8	10.00		4-#8 Bottom	107
1054															
1055						1				4	#9	10.00		4-#9 Top	136
1056									2	3	#7	4.30		3-#7 Addl. Each End	53
1057															
1058						1			2	4	#8	10.00		4-#8 Each Side	214
1059									2	16	#5	11.00		#5 @ 8" O.C. Stirrups	367
1060															
1061 Beam CB 8 = 27'-5"															
1062						1				4	#8	40.00		4-#8 Bottom	427
1063															
1064						1				4	#9	40.00		4-#9 Top	544
1065									2	3	#7	10.05		3-#7 Addl. Each End	123
1066															
1067						1			2	4	#8	40.00		4-#8 Each Side	854
1068									2	42	#5	11.00		#5 @ 8" O.C. Stirrups	967
1069															
1070 Beam CB 8 = 46'-6"															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1071						1				4	#8	30.00		4-#8 Bottom	320
1072						1				4	#8	30.00		4-#8 Bottom	320
1073															
1074						1				4	#9	30.00		4-#9 Top	408
1075						1				4	#9	20.00		4-#9 Top	272
1076									2	3	#7	16.35		3-#7 Addl. Each End	200
1077															
1078						1			2	4	#8	30.00		4-#8 Each Side	641
1079						1			2	4	#8	20.00		4-#8 Each Side	427
1080									2	71	#5	11.00		#5 @ 8" O.C. Stirrups	1623
1081															
1082	Beam CB 8 = 35'-9"														
1083						1				4	#8	40.00		4-#8 Bottom	427
1084															
1085						1				4	#9	40.00		4-#9 Top	544
1086									2	3	#7	12.80		3-#7 Addl. Each End	157
1087															
1088						1			2	4	#8	40.00		4-#8 Each Side	854
1089									2	55	#5	11.00		#5 @ 8" O.C. Stirrups	1253
1090															
1091	Beam CB 8 = 19'-9"														
1092						1				4	#8	30.00		4-#8 Bottom	320
1093															
1094						1				4	#9	30.00		4-#9 Top	408
1095									2	3	#7	7.52		3-#7 Addl. Each End	92
1096															
1097						1			2	4	#8	30.00		4-#8 Each Side	641
1098									2	31	#5	11.00		#5 @ 8" O.C. Stirrups	703
1099															
1100	Beam CB 8 = 116'-3"														

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1101						1				4	#8	60.00		4-#8 Bottom	641
1102						2				4	#8	40.00		4-#8 Bottom	854
1103															
1104						1				4	#9	60.00		4-#9 Top	816
1105						2				4	#9	40.00		4-#9 Top	1088
1106						2			2	3	#7	20.00		3-#7 Addl. Each End	491
1107															
1108						1			2	4	#8	60.00		4-#8 Each Side	1282
1109						2			2	4	#8	40.00		4-#8 Each Side	854
1110									2	175	#5	11.00		#5 @ 8" O.C. Stirrups	4024
1111															
1112														Beam CB 8 = 25'-2"	
1113						1				4	#8	40.00		4-#8 Bottom	427
1114															
1115						1				4	#9	40.00		4-#9 Top	544
1116									2	3	#7	14.20		3-#7 Addl. Each End	174
1117															
1118						1			2	4	#8	40.00		4-#8 Each Side	854
1119									2	39	#5	11.00		#5 @ 8" O.C. Stirrups	889
1120															
1121														Beam CB 8 = 36'-10"	
1122						1				4	#8	40.00		4-#8 Bottom	427
1123															
1124						1				4	#9	40.00		4-#9 Top	544
1125									2	3	#7	13.14		3-#7 Addl. Each End	161
1126															
1127						1			2	4	#8	40.00		4-#8 Each Side	854
1128									2	56	#5	11.00		#5 @ 8" O.C. Stirrups	1289
1129															
1130														Beam CB 8 = 27'-2"	

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1131						1				4	#8	40.00		4-#8 Bottom	427
1132															
1133						1				4	#9	40.00		4-#9 Top	544
1134									2	3	#7	9.98		3-#7 Addl. Each End	122
1135															
1136						1			2	4	#8	40.00		4-#8 Each Side	854
1137									2	42	#5	11.00		#5 @ 8" O.C. Stirrups	960
1138															
1139 Beam CB 8 = 18'-6"															
1140						1				4	#8	30.00		4-#8 Bottom	320
1141															
1142						1				4	#9	30.00		4-#9 Top	408
1143									2	3	#7	7.11		3-#7 Addl. Each End	87
1144															
1145						1			2	4	#8	30.00		4-#8 Each Side	641
1146									2	29	#5	11.00		#5 @ 8" O.C. Stirrups	660
1147															
1148 Beam CB 8 = 6'-3"															
1149						1				4	#8	6.25		4-#8 Bottom	67
1150															
1151						1				4	#9	6.25		4-#9 Top	85
1152									2	3	#7	3.06		3-#7 Addl. Each End	38
1153															
1154						1			2	4	#8	6.25		4-#8 Each Side	134
1155									2	10	#5	11.00		#5 @ 8" O.C. Stirrups	238
1156															
1157 Beam CB 8 = 21'-11"															
1158						1				4	#8	30.00		4-#8 Bottom	320
1159															
1160						1				4	#9	30.00		4-#9 Top	408

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1161									2	3	#7	8.23		3-#7 Addl. Each End	101
1162															
1163						1			2	4	#8	30.00		4-#8 Each Side	641
1164									2	34	#5	11.00		#5 @ 8" O.C. Stirrups	777
1165	1166 Beam CB 8 = 20'-2"														
1167						1				4	#8	30.00		4-#8 Bottom	320
1168															
1169						1				4	#9	30.00		4-#9 Top	408
1170									2	3	#7	7.66		3-#7 Addl. Each End	94
1171															
1172						1			2	4	#8	30.00		4-#8 Each Side	641
1173									2	31	#5	11.00		#5 @ 8" O.C. Stirrups	718
1174	1175 Beam CB 8 = 8'-2" (03 Locations)														
1176					3	1				4	#8	8.00		4-#8 Bottom	256
1177															
1178					3	1				4	#9	8.00		4-#9 Top	326
1179					3				2	3	#7	3.64		3-#7 Addl. Each End	134
1180															
1181					3	1			2	4	#8	8.00		4-#8 Each Side	513
1182					3				2	13	#5	11.00		#5 @ 8" O.C. Stirrups	895
1183	1184 Beam CB 8 = 32'-10"														
1185						1				4	#8	40.00		4-#8 Bottom	427
1186															
1187						1				4	#9	40.00		4-#9 Top	544
1188									2	3	#7	11.83		3-#7 Addl. Each End	145
1189															
1190						1			2	4	#8	40.00		4-#8 Each Side	854

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1191									2	50	#5	11.00		#5 @ 8" O.C. Stirrups	1153
1192															
1193 Beam CB 8 = 24'-4"															
1194						1				4	#8	30.00		4-#8 Bottom	320
1195															
1196						1				4	#9	30.00		4-#9 Top	408
1197									2	3	#7	9.04		3-#7 Addl. Each End	111
1198															
1199						1			2	4	#8	30.00		4-#8 Each Side	641
1200									2	38	#5	11.00		#5 @ 8" O.C. Stirrups	861
1201															
1202 Beam CB 9 = 34'-4"															
1203						1				2	#9	40.00		2-#9 Bottom	272
1204						1				4	#8	25.71		4-#8 Additional Interior Span	275
1205						1				4	#8	30.00		4-#8 Additional End Span	320
1206															
1207						1				2	#9	40.00		2-#9 Top	272
1208									2	3	#5	14.20		3-#5 Addl. Each End	89
1209															
1210						1			2	4	#8	40.00		4-#8 Each Side	854
1211									2	35	#5	11.00		#5 @ 12" O.C. Stirrups	811
1212															
1213 Beam CB 9 = 12'-11"															
1214						1				2	#9	12.97		2-#9 Bottom	88
1215						1				4	#8	9.73		4-#8 Additional Interior Span	104
1216						1				4	#8	11.35		4-#8 Additional End Span	121
1217															
1218						1				2	#9	12.97		2-#9 Top	88
1219									2	3	#5	5.28		3-#5 Addl. Each End	33
1220															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1221						1			2	4	#8	12.97		4-#8 Each Side	277
1222									2	14	#5	11.00		#5 @ 12" O.C. Stirrups	321
1223															
1224 Beam CB 9 = 36'-7"															
1225						1				2	#9	30.00		2-#9 Bottom	204
1226						1				2	#9	20.00		2-#9 Bottom	136
1227						2				4	#8	20.00		4-#8 Additional Interior Span	427
1228						2				4	#8	20.00		4-#8 Additional End Span	427
1229															
1230						1				2	#9	30.00		2-#9 Top	204
1231						1				2	#9	20.00		2-#9 Top	136
1232									2	3	#5	5.28		3-#5 Addl. Each End	33
1233															
1234						1			2	4	#8	30.00		4-#8 Each Side	641
1235						1			2	4	#8	20.00		4-#8 Each Side	427
1236									2	38	#5	11.00		#5 @ 12" O.C. Stirrups	863
1237															
1238 Beam CB 9 = 91'-4"															
1239						1				2	#9	60.00		2-#9 Bottom	408
1240						1				2	#9	40.00		2-#9 Bottom	272
1241						2				4	#8	40.00		4-#8 Additional Interior Span	854
1242						2				4	#8	40.00		4-#8 Additional End Span	854
1243															
1244						1				2	#9	60.00		2-#9 Top	408
1245						1				2	#9	40.00		2-#9 Top	272
1246									2	3	#5	31.14		3-#5 Addl. Each End	195
1247															
1248						1			2	4	#8	60.00		4-#8 Each Side	1282
1249						1			2	4	#8	40.00		4-#8 Each Side	854

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1250									2	92	#5	11.00		#5 @ 12" O.C. Stirrups	2118
1251															
1252 Beam CB 9 = 97'-0"															
1253						1				2	#9	60.00		2-#9 Bottom	408
1254						1				2	#9	60.00		2-#9 Bottom	408
1255										4	#8	30.00		4-#8 Additional Interior Span	320
1256									2	4	#8	24.50		4-#8 Additional End Span	523
1257															
1258						1				2	#9	60.00		2-#9 Top	408
1259						1				2	#9	60.00		2-#9 Top	408
1260						1			2	3	#5	40.00		3-#5 Addl. Each End	250
1261															
1262						1			2	4	#8	60.00		4-#8 Each Side	1282
1263						1			2	4	#8	60.00		4-#8 Each Side	1282
1264									2	98	#5	11.00		#5 @ 12" O.C. Stirrups	2249
1265															
1266 Beam CB 9 = 36'-2"															
1267						1				2	#9	30.00		2-#9 Bottom	204
1268						1				2	#9	20.00		2-#9 Bottom	136
1269										4	#8	30.00		4-#8 Additional Interior Span	320
1270						1			2	4	#8	40.00		4-#8 Additional End Span	854
1271															
1272						1				2	#9	30.00		2-#9 Top	204
1273						1				2	#9	20.00		2-#9 Top	136
1274									2	3	#5	12.92		3-#5 Addl. Each End	81
1275															
1276						1			2	4	#8	30.00		4-#8 Each Side	641
1277						1			2	4	#8	20.00		4-#8 Each Side	427
1278									2	37	#5	11.00		#5 @ 12" O.C. Stirrups	852

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1279															
1280 Beam CB 9 = 30'-7"															
1281						1				2	#9	40.00		2-#9 Bottom	272
1282										4	#8	22.94		4-#8 Additional Interior Span	245
1283									2	4	#8	26.76		4-#8 Additional End Span	572
1284															
1285						1				2	#9	40.00		2-#9 Top	272
1286									2	3	#5	11.09		3-#5 Addl. Each End	69
1287															
1288						1			2	4	#8	40.00		4-#8 Each Side	854
1289									2	32	#5	11.00		#5 @ 12" O.C. Stirrups	725
1290															
1291 Beam CB 9 = 20'-0"															
1292						1				2	#9	30.00		2-#9 Bottom	204
1293										4	#8	15.00		4-#8 Additional Interior Span	160
1294									2	4	#8	17.50		4-#8 Additional End Span	374
1295															
1296						1				2	#9	30.00		2-#9 Top	204
1297									2	3	#5	7.60		3-#5 Addl. Each End	48
1298															
1299						1			2	4	#8	30.00		4-#8 Each Side	641
1300									2	21	#5	11.00		#5 @ 12" O.C. Stirrups	482
1301															
1302 Beam CB 10 = 22'-0"															
1303						1				3	#9	30.00		3-#9 Bottom	306
1304										2	#6	16.50		2-#6 Additional Interior Span	50
1305															
1306						1				2	#9	30.00		2-#9 Top	204
1307									2	3	#8	8.26		3-#8 Addl. Each End	132
1308															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1309						1			2	4	#8	30.00		4-#8 Each Side	641
1310									2	34	#5	11.00		#5 @ 8" O.C. Stirrups	780
1311															
1312 Beam CB 10 = 33'-3"															
1313						1				3	#9	40.00		3-#9 Bottom	408
1314										2	#6	24.97		2-#6 Additional Interior Span	75
1315															
1316						1				2	#9	40.00		2-#9 Top	272
1317									2	3	#8	11.99		3-#8 Addl. Each End	192
1318															
1319						1			2	4	#8	40.00		4-#8 Each Side	854
1320									2	51	#5	11.00		#5 @ 8" O.C. Stirrups	1169
1321															
1322 Beam CB 10 = 127'-11"															
1323						2				3	#9	60.00		3-#9 Bottom	1224
1324						1				3	#9	20.00		3-#9 Bottom	204
1325						2				2	#6	24.00		2-#6 Additional Interior Span	144
1326															
1327						2				2	#9	60.00		2-#9 Top	816
1328						1				2	#9	20.00		2-#9 Top	136
1329									2	3	#8	11.56		3-#8 Addl. Each End	185
1330															
1331						2			2	4	#8	60.00		4-#8 Each Side	2563
1332						1			2	4	#8	20.00		4-#8 Each Side	427
1333									2	193	#5	11.00		#5 @ 8" O.C. Stirrups	4429
1334															
1335 Beam CB 10 = 68'-3"															
1336						2				3	#9	40.00		3-#9 Bottom	816
1337						2				2	#6	30.00		2-#6 Additional Interior Span	180
1338															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1339						2				2	#9	40.00		2-#9 Top	544
1340									2	3	#8	23.52		3-#8 Addl. Each End	377
1341															
1342						2			2	4	#8	40.00		4-#8 Each Side	1709
1343									2	103	#5	11.00		#5 @ 8" O.C. Stirrups	2372
1344															
1345 Beam CB 10 =46'-0"															
1346						1				3	#9	30.00		3-#9 Bottom	306
1347						1				3	#9	20.00		3-#9 Bottom	204
1348						1				2	#6	40.00		2-#6 Additional Interior Span	120
1349															
1350						1				2	#9	30.00		2-#9 Top	204
1351						1				2	#9	20.00		2-#9 Top	136
1352									2	3	#8	16.18		3-#8 Addl. Each End	259
1353															
1354						1			2	4	#8	30.00		4-#8 Each Side	641
1355						1			2	4	#8	20.00		4-#8 Each Side	427
1356									2	70	#5	11.00		#5 @ 8" O.C. Stirrups	1606
1357															
1358 Beam CB 10 =95'-9"															
1359						1				3	#9	60.00		3-#9 Bottom	612
1360						1				3	#9	40.00		3-#9 Bottom	408
1361						2				2	#6	40.00		2-#6 Additional Interior Span	120
1362															
1363						1				2	#9	60.00		2-#9 Top	408
1364						1				2	#9	40.00		2-#9 Top	272
1365						1			2	3	#8	40.00		3-#8 Addl. Each End	641
1366															
1367						1			2	4	#8	60.00		4-#8 Each Side	1282

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1368						1			2	4	#8	40.00		4-#8 Each Side	854
1369									2	145	#5	11.00		#5 @ 8" O.C. Stirrups	3319
1370															
1371 Beam CB 10 =52'-6"															
1372						2				3	#9	30.00		3-#9 Bottom	612
1373						1				2	#6	40.00		2-#6 Additional Interior Span	120
1374															
1375						2				2	#9	30.00		2-#9 Top	408
1376									2	3	#8	18.33		3-#8 Addl. Each End	294
1377															
1378						2			2	4	#8	30.00		4-#8 Each Side	1282
1379									2	80	#5	11.00		#5 @ 8" O.C. Stirrups	1830
1380															
1381 Beam CB 10 =47'-11"															
1382						2				3	#9	30.00		3-#9 Bottom	612
1383						1				2	#6	40.00		2-#6 Additional Interior Span	120
1384															
1385						2				2	#9	30.00		2-#9 Top	408
1386									2	3	#8	16.83		3-#8 Addl. Each End	270
1387															
1388						2			2	4	#8	30.00		4-#8 Each Side	1282
1389									2	73	#5	11.00		#5 @ 8" O.C. Stirrups	1674
1390															
1391 Beam CB 10 =40'-3"															
1392						1				3	#9	30.00		3-#9 Bottom	306
1393						1				3	#9	20.00		3-#9 Bottom	204
1394										2	#6	30.21		2-#6 Additional Interior Span	91
1395															
1396						1				2	#9	30.00		2-#9 Top	204
1397						1				2	#9	20.00		2-#9 Top	136

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1398									2	3	#8	14.29		3-#8 Addl. Each End	229
1399															
1400						1			2	4	#8	30.00		4-#8 Each Side	641
1401						1			2	4	#8	20.00		4-#8 Each Side	427
1402									2	61	#5	11.00		#5 @ 8" O.C. Stirrups	1409
1403	1404 Beam CB 11 = 163'-0"														
1405						7				2	#8	30.00		2-#8 Bottom	1121
1406						3				2	#8	30.00		2-#8 Additional Interior Span	481
1407						3				2	#8	30.00		2-#8 Additional End Span	481
1408															
1409						7				2	#8	30.00		2-#8 Top	1121
1410						1			2	3	#8	40.00		2-#8 Addl. Each End	641
1411															
1412						7			2	6	#6	30.00		6-#6 Each Side	3785
1413									2	87	#4	11.00		#4 @ 18" O.C. Stirrups	1272
1414	1415 Beam EB 1 = 47'-11"														
1416						1				8	#9	30.00		8-#9 Bottom	816
1417						1				8	#9	20.00		8-#9 Bottom	544
1418															
1419						1				4	#6	30.00		4-#6 Top	180
1420						1				4	#6	20.00		4-#6 Top	120
1421															
1422										49	#5	11.00		#5 @ 12" O.C. Stirrups	562
1423	1424 Section 15/S03014 = 25'-0" LFT														
1425										3	#8	25.00		3-#8 Bottom	200
1426															
1427										2	#8	25.00		2-#8 Top	134

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1428															
1429										26	#3	8.32		#3 @ 12" O.C. Stirrups	81
1430															
1431				Grade Beam Atrium = 88'-0"											
1432						3				3	#8	30.00		3-#8 Bottom	721
1433															
1434						3				2	#8	30.00		2-#8 Top	481
1435															
1436						3			2	2	#8	30.00		2-#8 Each Side	961
1437										89	#3	8.32		#3 @ 12" O.C. Stirrups	278
1438															
1439															
1440				SHEAR WALLS				SHEAR WALLS							
1441				Shear Wall Col Line A.3 - Level 00											
1442									2	21	#9	30.00		#9 @ 18" O.C. Vertical E.F	4284
1443									2	14	#9	40.00		#9 @ 18" O.C. Horiz. E.F	3717
1444									2	21	#9	14.50		#9 @ 18" O.C. DWL E.F	2071
1445															
1446				Shear Wall Col Line A.3 - Level 01											
1447									2	21	#9	30.00		#9 @ 18" O.C. Vertical E.F	4284
1448									2	12	#9	40.00		#9 @ 18" O.C. Horiz. E.F	3173
1449															
1450				Shear Wall Col Line A.3 - Level 02											
1451									2	21	#7	30.00		#7 @ 18" O.C. Vertical E.F	2575
1452									2	13	#7	40.00		#7 @ 18" O.C. Horiz. E.F	2126
1453															
1454				Shear Wall Col Line A.3 - Level 03											
1455									2	21	#7	30.00		#7 @ 18" O.C. Vertical E.F	2575
1456									2	11	#7	40.00		#7 @ 18" O.C. Horiz. E.F	1799
1457															
1458				Shear Wall Col Line A.3 - Level 04											
1459									2	21	#5	40.00		#5 @ 18" O.C. Vertical E.F	1752

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1460									2	23	#5	40.00		#5 @ 18" O.C. Horiz. E.F	1919
1461															
1462 Shear Wall Col Line B - Level 00															
1463									2	22	#7	30.00		#7 @ 18" O.C. Vertical E.F	2739
1464									2	14	#7	40.00		#7 @ 18" O.C. Horiz. E.F	2235
1465									2	22	#7	9.00		#7 @ 18" O.C. DWL E.F	822
1466															
1467									2	5	#9	12.75		#9 @ 18" O.C. Vertical E.F	434
1468									2	5	#9	10.00		#9 @ 18" O.C. Horiz. E.F	340
1469															
1470									2	5	#9	5.00		#9 @ 18" O.C. Vertical E.F	170
1471									2	4	#9	10.00		#9 @ 18" O.C. Horiz. E.F	295
1472									2	5	#9	8.75		#9 @ 18" O.C. DWL E.F	298
1473															
1474 Shear Wall Col Line B - Level 01															
1475									2	22	#5	20.00		#5 @ 18" O.C. Vertical E.F	932
1476									2	12	#5	40.00		#5 @ 18" O.C. Horiz. E.F	973
1477									2	22	#5	12.08		#5 @ 18" O.C. Horiz. E.F	563
1478															
1479									2	6	#9	13.75		#9 @ 18" O.C. Vertical E.F	572
1480									2	6	#9	11.67		#9 @ 18" O.C. Horiz. E.F	450
1481															
1482									2	6	#9	13.75		#9 @ 18" O.C. Vertical E.F	572
1483									2	6	#9	11.67		#9 @ 18" O.C. Horiz. E.F	450
1484															
1485 Shear Wall Col Line B - Level 02															
1486									2	22	#5	30.00		#5 @ 18" O.C. Vertical E.F	1398
1487									2	13	#5	40.00		#5 @ 18" O.C. Horiz. E.F	1085
1488									2	22	#5	14.16		#5 @ 18" O.C. Horiz. E.F	660
1489															
1490									2	5	#9	16.75		#9 @ 18" O.C. Vertical E.F	570

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1491									2	8	#9	10.00		#9 @ 18" O.C. Horiz. E.F	521
1492															
1493									2	6	#9	16.75		#9 @ 18" O.C. Vertical E.F	696
1494									2	6	#9	10.00		#9 @ 18" O.C. Horiz. E.F	385
1495															
1496 Shear Wall Col Line B - Level 03															
1497									2	22	#5	20.00		#5 @ 18" O.C. Vertical E.F	932
1498									2	11	#5	40.00		#5 @ 18" O.C. Horiz. E.F	918
1499															
1500									2	5	#9	13.75		#9 @ 18" O.C. Vertical E.F	468
1501									2	6	#9	10.00		#9 @ 18" O.C. Horiz. E.F	385
1502															
1503									2	3	#5	20.00		#5 @ 18" O.C. Vertical E.F	139
1504									2	6	#5	3.50		#5 @ 18" O.C. Horiz. E.F	46
1505									2	6	#5	7.67		#5 @ 18" O.C. Horiz. E.F	91
1506															
1507 Shear Wall Col Line 7 - Level 00															
1508									2	24	#9	30.00		#9 @ 18" O.C. Vertical E.F	4873
1509									2	14	#9	40.00		#9 @ 18" O.C. Horiz. E.F	3717
1510									2	21	#9	14.50		#9 @ 18" O.C. DWL E.F	2071
1511															
1512									2	4	#9	13.75		#9 @ 18" O.C. Vertical E.F	353
1513									2	6	#9	8.16		#9 @ 18" O.C. Horiz. E.F	314
1514															
1515									2	4	#9	5.00		#9 @ 18" O.C. Vertical E.F	128
1516									2	4	#9	8.16		#9 @ 18" O.C. Horiz. E.F	240
1517															
1518									2	5	#7	8.32		#7 @ 18" O.C. Vertical E.F	170
1519									2	4	#7	10.00		#7 @ 18" O.C. Horiz. E.F	145
1520															
1521									2	5	#7	5.00		#7 @ 18" O.C. Vertical E.F	102

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1522									2	4	#7	10.00		#7 @ 18" O.C. Horiz. E.F	177
1523															
1524 Shear Wall Col Line 7 - Level 01															
1525									2	24	#7	20.00		#7 @ 18" O.C. Vertical E.F	1953
1526									2	12	#7	40.00		#7 @ 18" O.C. Horiz. E.F	1908
1527									2	24	#7	9.00		#7 @ 18" O.C. DWL E.F	879
1528															
1529 Shear Wall Col Line 7 - Level 02															
1530									2	24	#5	30.00		#5 @ 18" O.C. Vertical E.F	1495
1531									2	13	#5	40.00		#5 @ 18" O.C. Horiz. E.F	1085
1532															
1533									2	3	#7	13.33		#7 @ 18" O.C. Vertical E.F	169
1534									2	7	#7	5.16		#7 @ 18" O.C. Horiz. E.F	145
1535															
1536									2	5	#7	12.33		#7 @ 18" O.C. Vertical E.F	252
1537									2	6	#7	10.00		#7 @ 18" O.C. Horiz. E.F	254
1538															
1539									2	3	#7	13.33		#7 @ 18" O.C. Vertical E.F	169
1540									2	7	#7	5.16		#7 @ 18" O.C. Horiz. E.F	145
1541															
1542 Shear Wall Col Line 7 - Level 03															
1543									2	24	#5	20.00		#5 @ 18" O.C. Vertical E.F	997
1544									2	11	#5	40.00		#5 @ 18" O.C. Horiz. E.F	918
1545															
1546									2	4	#7	11.33		#7 @ 18" O.C. Vertical E.F	175
1547									2	6	#7	6.16		#7 @ 18" O.C. Horiz. E.F	140
1548															
1549									2	5	#7	9.33		#7 @ 18" O.C. Vertical E.F	191
1550									2	4	#7	10.00		#7 @ 18" O.C. Horiz. E.F	173
1551															
1552 Shear Wall Col Line 7 - Level 04															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1553									2	21	#5	20.00		#5 @ 18" O.C. Vertical E.F	895
1554									2	11	#5	40.00		#5 @ 18" O.C. Horiz. E.F	904
1555															
1556									2	4	#7	7.50		#7 @ 18" O.C. Vertical E.F	129
1557									2	3	#7	6.67		#7 @ 18" O.C. Horiz. E.F	82
1558															
1559 Shear Wall Col Line 6 - Level 00															
1560									2	24	#9	30.00		#9 @ 18" O.C. Vertical E.F	4919
1561									2	14	#9	40.00		#9 @ 18" O.C. Horiz. E.F	3717
1562									2	24	#9	14.50		#9 @ 18" O.C. DWL E.F	2378
1563															
1564									2	5	#9	14.00		#9 @ 18" O.C. Vertical E.F	476
1565									2	6	#9	10.00		#9 @ 18" O.C. Horiz. E.F	397
1566															
1567 Shear Wall Col Line 6 - Level 01															
1568									2	24	#9	30.00		#9 @ 18" O.C. Vertical E.F	4919
1569									2	12	#9	40.00		#9 @ 18" O.C. Horiz. E.F	3173
1570															
1571 Shear Wall Col Line 6 - Level 02															
1572									2	23	#9	30.00		#9 @ 18" O.C. Vertical E.F	4726
1573									2	13	#9	40.00		#9 @ 18" O.C. Horiz. E.F	3536
1574															
1575 Shear Wall Col Line 6 - Level 03															
1576									2	24	#7	20.00		#7 @ 18" O.C. Vertical E.F	1953
1577									2	12	#7	40.00		#7 @ 18" O.C. Horiz. E.F	1908
1578															
1579									2	7	#9	12.75		#9 @ 18" O.C. Vertical E.F	616
1580									2	5	#9	13.16		#9 @ 18" O.C. Horiz. E.F	447
1581															
1582 Shear Wall Col Line 6 - Level 04															
1583									2	15	#7	20.00		#7 @ 18" O.C. Vertical E.F	1263

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1584									2	11	#7	30.00		#7 @ 18" O.C. Horiz. E.F	1349
1585															
1586 Shear Wall Col Line 12 - Level 01															
1587									2	9	#5	20.00		#5 @ 18" O.C. Vertical E.F	375
1588									2	12	#5	20.00		#5 @ 18" O.C. Horiz. E.F	487
1589									2	9	#5	8.00		#5 @ 18" O.C. DWLSI E.F	150
1590															
1591 Shear Wall Col Line 12 - Level 02															
1592									2	9	#5	30.00		#5 @ 18" O.C. Vertical E.F	563
1593									2	13	#5	20.00		#5 @ 18" O.C. Horiz. E.F	542
1594															
1595 Shear Wall Col Line 12 - Level 03															
1596									2	9	#7	20.00		#7 @ 18" O.C. Vertical E.F	736
1597									2	8	#7	20.00		#7 @ 18" O.C. Horiz. E.F	681
1598															
1599 Shear Wall Col Line CC.5 - Level 01															
1600									2	25	#7	30.00		#7 @ 18" O.C. Vertical E.F	3107
1601									2	12	#7	40.00		#7 @ 18" O.C. Horiz. E.F	1908
1602									2	25	#7	7.50		#7 @ 18" O.C. DWLS E.F	777
1603															
1604									2	5	#7	10.33		#7 @ 12" O.C. Vertical E.F	204
1605									2	7	#7	7.83		#7 @ 12" O.C. Horiz. E.F	219
1606															
1607									2	11	#9	10.33		#9 @ 8" O.C. Vertical E.F	738
1608									2	10	#9	10.33		#9 @ 8" O.C. Horiz. E.F	685
1609															
1610									2	7	#9	10.33		#9 @ 8" O.C. Vertical E.F	474
1611									2	5	#9	7.83		#9 @ 8" O.C. Horiz. E.F	260
1612															
1613 Shear Wall Col Line CC.5 - Level 02															
1614									2	25	#5	30.00		#5 @ 18" O.C. Vertical E.F	1585

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1615									2	13	#5	40.00		#5 @ 18" O.C. Horiz. E.F	1085
1616															
1617 Shear Wall Col Line CC.5 - Level 03															
1618									2	25	#5	20.00		#5 @ 18" O.C. Vertical E.F	1057
1619									2	11	#5	40.00		#5 @ 18" O.C. Horiz. E.F	932
1620															
1621 Shear Wall Col Line 13 - Level 01															
1622									2	9	#7	30.00		#7 @ 18" O.C. Vertical E.F	1104
1623									2	12	#7	20.00		#7 @ 18" O.C. Horiz. E.F	954
1624									2	9	#7	10.75		#7 @ 18" O.C. Horiz. E.F	396
1625															
1626 Shear Wall Col Line 13 - Level 02															
1627									2	9	#7	30.00		#7 @ 18" O.C. Vertical E.F	1104
1628									2	13	#7	20.00		#7 @ 18" O.C. Horiz. E.F	1063
1629															
1630 Shear Wall Col Line 13 - Level 03															
1631									2	9	#7	20.00		#7 @ 18" O.C. Vertical E.F	736
1632									2	8	#7	20.00		#7 @ 18" O.C. Horiz. E.F	654
1633															
1634 Shear Wall Col Line A.5 - Level 00															
1635									2	22	#5	30.00		#5 @ 18" O.C. Vertical E.F	1398
1636									2	14	#5	40.00		#5 @ 18" O.C. Horiz. E.F	1140
1637									2	22	#5	8.50		#5 @ 18" O.C. Horiz. E.F	396
1638															
1639 Shear Wall Col Line A.5 - Level 01															
1640									2	22	#5	20.00		#5 @ 18" O.C. Vertical E.F	932
1641									2	12	#5	40.00		#5 @ 18" O.C. Horiz. E.F	973
1642															
1643 Shear Wall Col Line A.5 - Level 02															
1644									2	22	#5	30.00		#5 @ 18" O.C. Vertical E.F	1398
1645									2	13	#5	40.00		#5 @ 18" O.C. Horiz. E.F	1085
1646															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1647 Shear Wall Col Line A.5 - Level 03															
1648									2	22	#5	20.00		#5 @ 18" O.C. Vertical E.F	932
1649									2	11	#5	40.00		#5 @ 18" O.C. Horiz. E.F	918
1650															
1651 Shear Wall Col Line A.5 - Level Penthouse															
1652									2	22	#5	20.00		#5 @ 18" O.C. Vertical E.F	932
1653									2	8	#5	40.00		#5 @ 18" O.C. Horiz. E.F	654
1654															
1655									2	3	#9	6.00		#9 @ 18" O.C. Vertical E.F	131
1656									2	5	#9	40.00		#9 @ 18" O.C. Horiz. E.F	1360
1657															
1658 Section 10/S0301 (U Bars)															
1659										95	#5	5.16		#5 @ 18" O.C.	513
1660										4	#7	8.66		#7 @ 12" O.C.	68
1661										176	#7	8.66		#7 @ 18" O.C.	3115
1662										16	#9	11.00		#9 @ 16" O.C.	589
1663										69	#9	11.00		#9 @ 18" O.C.	2593
1664										47	#9	11.00		#9 @ 8" O.C.	1739
1665 Section 06/S0301 (U Bars- SW10)															
1666										34	#5	5.16		#5 @ 18" O.C.	181
1667										34	#7	5.16		#7 @ 18" O.C.	355
1668															
1669															
1670														CURBS	CURBS
1671 Section 06/S0311 = 223 LFT															
1672						9				5	#8	30.00		5-#8 Horizontal	3605
1673										224	#8	6.00		#8 @ 12" O.C. Vertical	3588
1674															
1675 Section 20/S0511 = 970 LFT															
1676						36				2	#4	30.00		2-#4 Horizontal	1443
1677										971	#8	2.50		#4 Vertical Dowel @ 12" O.C.	6481
1678															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1679															
1680				SLABS										SLABS	
1681															
1682				15 1/2" Solid Slab = 3302 SFT											
1683										1057	#9	30.00		#9 @ 6" O.C. Each Way T&B	107777
1684															
1685				18" Elevator Mat Slab = 1524 SFT											
1686										244	#5	30.00		#5 @ 12" O.C. Each Way T&B	7630
1687															
1688				18" Sloped Columns Mat Slab = 275 SFT											
1689										44	#5	30.00		#5 @ 12" O.C. Each Way T&B	1377
1690															
1691				18" Solid Slab = 1394 SFT											
1692										446	#10	30.00		#10 @ 6" O.C. Each Way T&B	57583
1693															
1694				18" Solid Slab = 1184 SFT											
1695										379	#9	30.00		#9 @ 6" O.C. Each Way T&B	38644
1696															
1697				5" Slab On Grade = 533 SFT											
1698										85	#4	30.00		#4 @ 12" O.C. Each Way T&B	1709
1699															
1700				5" Slab On Grade = 518 SFT											
1701										83	#4	30.00		#4 @ 12" O.C. Each Way T&B	1661
1702															
1703				8" Slab On Grade = 3162 SFT											
1704										506	#4	30.00		#4 @ 12" O.C. Each Way T&B	10139
1705															
1706				1'-4" Voided Bubble Deck (Type 1) = 87971 SFT											
1707										14075	#7	30.00		#7 @ 12" O.C. Each Way T&B	863101
1708															

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1709 1'-4" Voided Bubble Deck (Type 2) = 9929 SFT															
1710										1589	#7	30.00		#7 @ 12" O.C. Each Way T&B	97415
1711										1589	#6	30.00		#6 @ 12" O.C. Each Way T&B	71584
1712															
1713 1'-4" Voided Bubble Deck (Type 3) = 9183 SFT															
1714										1469	#9	30.00		#9 @ 12" O.C. Each Way T&B	149865
1715										1469	#6	30.00		#6 @ 12" O.C. Each Way T&B	66205
1716															
1717															
1718 Section 20/S0304 (Stepped Slab @ CMU)															
1719							17			3	#5	30.00		3-#5 Cont.	1596
1720							17			2	#4	30.00		2-#4 Cont.	681
1721										430	#4	2.00		2'-0" Long #4 Z Bar	574
1722															
1723 Section 16/S0304 (Ramp Edge Bar)															
1724							9			1	#4	30.00		1-#4 Cont. Epoxy Coated Bar	180
1725										241	#4	4.00		1-#4 U Shaped Epoxy Coated Bar	644
1726															
1727 Section 2/S0331															
1728									2	70	#10	12.00		#10 @ 6" O.C. DWL Up & Down	7229
1729									2	752	#7	12.00		#7 @ 12" O.C. DWL Up & Down	36890
1730															
1731 Section 17/S0302															
1732										3	#4	7.00		3-#4 Cont	14
1733										3	#4	7.00		#4 @ 12" O.C. Horizontal	14
1734										7	#4	6.00		#4 @ 12" O.C. Vertical	28
1735										6	#4	7.00		#4 @ 12" O.C. Mid Epoxy Coated	28

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
1736										7	#4	6.00		#4 @ 12" O.C. Mid Epoxy Coated	28
1737															
1738 Section 12/S0302															
1739										2	#5	6.00		2-#5 Cont	13
1740										14	#4	6.00		1-#4 Nosing Bar	56
1741										6	#4	18.00		#4 @ 18" O.C. Mid	72
1742										18	#4	6.00		#4 @ 12" O.C. Mid	72

MISC. Reinforcement					
Description	Detail	Quantity	Unit	Remarks	Structure
Blended Fiber Reinforcement (43108 SF)	24 LBs/CY	15940	LBs	5" Slab On Grade	Building
Blended Fiber Reinforcement (47489 SF)	24 LBs/CY	15830	LBs	Level 4 & 5 Slab On Deck (FD-01) <i>Note: Typical steel details on Sheets S0501-S0511 show WWR & #4 Bar on girders but note 3 under deck schedule shows BFR. Please confirm</i>	Building <i>Note: Thickness of concrete is not mentioned in the schedule. So we have assumed the thickness 3"</i>
Blended Fiber Reinforcement (9954 SF)	24 LBs/CY	2124	LBs	Level 3 Slab On Deck (FD-02) <i>Note: Typical steel details on Sheets S0501-S0511 show WWR & #4 Bar on girders but note 3 under deck schedule shows BFR. Please confirm</i>	Building <i>Note: Thickness of concrete is not mentioned in the schedule. So we have assumed the thickness 2"</i>

LINE	LA	EP	A/D	STRUCTURE	MULT	REQ	CODE	+	X	QTY	SZ/GR	LENGTH (FT)	B	COMMENT	LINE LB
				Stud Rails		2'-0" Long Stud Rail	170		EA			2'-0" Long Stud Rail W/ 4 Studs Each		Building	