

C.WILLIAMWINEBRENNER TREATMENT

Project Name: C.WILLIAMWINEBRENNER TREATMENT
100 WEST WASHINGTON STREET,ROOM
WILLIAMSPORT,MD 21740-4748

County: WASHINGTON

Architect:
Engineer:
Customer:

Estimator:
Creation Date: 7/4/2014
Last Modified: 7/4/2014
Status: Complete

Job Type: Lump Sum
Product Line: REBARS
Market Category: Water Treatment

Escalation: No

Cover Page Comments:

Grade: 60 Black, Domestic (or) Non-Domestic Rebars.

Addendums:
1.Addendum #1 dated on 07-09-2014

Specs:
Supports:
() For Mesh
(X) Plain () P.T. () Epoxy (X) Other
Couplers:
() Mechanical () DBR's () Lenton

Standees: YES
Spirals: NO
() Smooth () Deformed (X) A615 () A432

Inculsions:
1.Biomag Building,Reactor Stair Structure,Final Clarifiers,UV tank,Chemical
Handling & Storage Building,Headworks Building and Site work.

Assumptions:

Exclusions:
1. Rebar Welded to Structural Steel.
2. Strom sewer and Electrical structures are not listed in quote.

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3. Precast structures,Manhole,Inlets, Etc., If any.

4. Site retaining Walls (No reinforcement details)

Quote Basis: Lump Sum

Drawing References:

PROJECT DRAWINGS:

CIVIL PLANS: C-1,C-2,C-3,C-4,C-5,C-6,C-7,C-8,C-9,C-10,C-11,
C-12,C-13,C-14 &C-15

STRUCTURAL PLANS: S-1,S-2,S-3,S-4,S-5,S-6,S-6A,S-6B,S-7,S-8,S-9,
S-10,S-11,S-12,S-13,S-14,S-15,S-16,S-17 & S-18

ARCHITECTURAL PLANS: A-1,A-2,A-3,A-4,A-5,A-6,A-7,A-8,A-9 &A-10

ALL DATED 10-23-2013.

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Bid Date: 7/4/2014

Estimate Defaults

Size Unit: Imperial	Building Code: ACI 1983
Length Unit: Feet - Inches	Concrete Strength: 3000
Weight Unit: Pounds	Lap Table:
Soft Hooks: No	Estimating Lap: 40D
Seismic Hooks: No	Steel Manufactured In: ANY
	Tie Clearance: 0-012
	Spiral Clearance: 0-03
	Spacing Tolerance: 0-00
Rebar Coating: Black	Rebar Grade: 60
Plain Coating: Black	Plain Grade: 60
Number of lap lengths to extend a stock bar before lapping: 1	

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
1	MT	BIOMAG BUILDING																	
2	MT	BOTTOM MAT SLAB																	
3	MT	SEC-(1/S-6)																	
4	TR	BF		60	11*2				16/5	S	10-00							229	#5 @ 12" O.C T&B LW
5	TR	BF		60	11*2				16/5	S	10-00							229	#5 @ 12" O.C T&B SW
6	TR	BF		60	9				13/4	S	5-00							30	#4 STANDEE
7	MT	SEC - (1/S-5)																	
8	TR	BF		60	21*2				16/5	S	30-00							1,314	#5 @12" O.C EW T&B
9	TR	BF		60	70				16/5	H	3-06							256	#5 @12" O.C TOP ADDL
10	TR	BF		60	18				13/4	L	4-06							54	#4 STANDEE
11	TR	BF		60	65*2				16/5	H	4-06							610	#5 @12" O.C DWL EF
12	MT	SEC - (1/S-6)																	
13	TR	BF		60	11*2				16/5	H	4-09							109	#5 @12" O.C DWL EF
14	TR	BF		60	4			4	29/9	H	8-10							480	4 #9 VERT
15	TR	BF		60	11			4	13/4	L	6-08							196	#4 @ 12" O.C TIES
16	MT	WALL FOOTING																	
17	MT	SEC-(2/S-6)																	
18	TR	LS		60	4				16/5	S	210-00				1	2-08	30-00	954	4 #5 CONT
19	TR	BF		60	4			4	16/5	H	5-04							89	#5 COR
20	TR	BF		60	211				16/5	S	3-04							734	#5 @ 12" O.C TRANS
21	TR	BF		60	17*2				19/6	H	4-00							204	#6 @ 32" D/V EF
22	MT	STEP FOOTING																	
23	TR	BF		60	4				16/5	H	13-02							55	4 #5 STEP BAR
24	TR	BF		60	4				16/5	H	8-04							35	4 #5 STEP BAR
25	TR	BF		60	4			2	16/5	H	6-01							51	4 #5 STEP BAR
26	TR	BF		60	4				16/5	H	9-09							41	4 #5 STEP BAR
27	TR	BF		60	4				16/5	H	7-11							33	4 #5 STEP BAR
28	TR	BF		60	4				16/5	H	13-11							58	4 #5 STEP BAR
29	MT	CMU WALL DWLS																	
30	TR	BF		60	112				19/6	H	7-00							1,178	#6 @32" O.C DWLS
31	TR	BF		60	3				19/6	H	8-00							36	#6 @32" O.C DWLS
32	TR	BF		60	3				19/6	H	10-00							45	#6 @32" O.C DWLS
33	TR	BF		60	16				19/6	H	12-00							288	#6 @32" O.C DWLS
34	MT	SLAB ON GRADE																	
35	MT	8" THICK SLAB ON GRADE = 2055 SQ.FT																	
36	TR	BF		60	148*2				16/5	S	30-00							9,262	#5 @12" O.C EW T&B
37	TR	BF		60	201				16/5	H	1-10							384	#5 @12" O.C ADDL
38	TI	lf		130				4 3/4" IHC WITH SAND PLATES										0	8" SLAB ON GRADE = 2055 SQ.FT
39	TI	lf		515				2" SLAB BOLSTER										0	8" SLAB ON GRADE = 2055 SQ.FT

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes	
40	MT	SEC - (2,3/S-4)																		
41	TR	LS		60	4				16/5	S	69-00				1	2-08	30-00	310	4-#5 CONT	
42	TR	BF		60	70				16/5	H	6-07							481	#5 @12" O.C ADDL	
43	MT	TRENCH DRAIN																		
44	TR	BF		60	4			2	13/4	S	11-06							61	#4 @12" O.C CONT	
45	TR	BF		60	13			2	13/4	H	6-00							104	#4 @12" O.C ADDL	
46	MT	COMPRESSOR PAD																		
47	TR	BF		60	4			2	13/4	S	4-09							25	#4 @12" O.C LW	
48	TR	BF		60	6			2	13/4	S	3-02							25	#4 @12" O.C SW	
49	TR	BF		60	12			2	13/4	H	1-04							21	#4 @18" O.C D/E DWL	
50	MT	BLOWER PAD																		
51	TR	BF		60	5*2			3	13/4	S	4-05							88	#4 @12" O.C EW	
52	TR	BF		60	12			2	13/4	H	1-04							21	#4 @18" O.C D/E DWL	
53	MT	SHEAR MILL PAD																		
54	TR	BF		60	4			2	13/4	S	4-08							25	#4 @12" O.C LW	
55	TR	BF		60	6			2	13/4	S	2-10							23	#4 @12" O.C SW	
56	TR	BF		60	11			2	13/4	H	1-04							20	#4 @18" O.C D/E DWL	
57	MT	SHEAR MILL PUMP PAD																		
58	TR	BF		60	3			2	13/4	S	8-10							35	#4 @12" O.C LW	
59	TR	BF		60	10			2	13/4	S	2-04							31	#4 @12" O.C SW	
60	TR	BF		60	16			2	13/4	H	1-04							28	#4 @18" O.C D/E DWL	
61	MT	CMU WALL DWLS																		
62	TR	BF		60	4				19/6	S	6-00							36	#6 @32" O.C DWLS	
63	TR	BF		60	15				19/6	H	3-08							83	#6 @32" O.C DWLS	
64	TR	BF		60	15				19/6	H	3-08							83	#6 @32" O.C DWLS	
65	TR	BF		60	15				19/6	H	3-08							83	#6 @32" O.C DWLS	
66	MT	CONCRETE WALL																		
67	MT	SEC - (1/S-5)																		
68	TR	BF		60	65*2				16/5	S	7-00							949	#5 @12" O.C VERT EF	
69	TR	BF		60	8*2				16/5	S	64-00							1,068	#5 @12" O.C HOR EF	
70	TR	BF		60	8*2			5	16/5	H	5-04							445	#5 COR	
71	TR	BF		60	8*2				16/5	H	5-04							89	#5 INTER	
72	TR	BF		60	21*2				16/5	H	4-06							197	#5 @12" O.C DWL EF	
73	TR	BF		60	21*2				16/5	H	7-10							343	#5 @12" O.C VERT EF	
74	TR	BF		60	8*2				16/5	S	21-00							350	#5 @12" O.C HOR EF	
75	MT	SEC - (1/S-6)																		
76	TR	BF		60	11*2				16/5	S	6-00							138	#5 @12" O.C VERT EF	
77	TR	BF		60	7*2				16/5	S	10-00							146	#5 @12" O.C HOR EF	
78	MT	8" INTERIOR CMU WALLS (SEC 2/S-4) (34 LFT)																		

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
79	TR	BF		60	13				19/6	S	21-00							410	#6 @32" O.C VERT
80	TR	BF		60	13				19/6	H	7-00							137	#6 @32" O.C VERT
81	TR	BF		60	2				19/6	S	21-00							63	#6 CJ ADDL
82	TR	BF		60	2				19/6	H	7-00							21	#6 CJ ADDL
83	MT	6" CMU WALLS (3/S-6) (34 LFT)																	
84	TR	BF		60	15				19/6	S	5-02							116	#6 @32" O.C ADDL VERT
85	MT	8" INTERIOR CMU WALLS (SEC 2/S-4) (34 LFT)																	
86	TR	BF		60	13				19/6	S	14-00							273	#6 @32" O.C VERT
87	TR	BF		60	13				19/6	H	4-08							91	#6 @32" O.C VERT
88	TR	BF		60	2				19/6	S	14-00							42	#6 CJ ADDL
89	TR	BF		60	2				19/6	H	4-08							14	#6 CJ ADDL
90	MT	6" CMU WALLS (3/S-6) (34 LFT)																	
91	TR	BF		60	15				19/6	S	5-02							116	#6 @32" O.C ADDL VERT
92	MT	12" INTERIOR CMU WALLS (SEC 3/S-4) (34 LFT)																	
93	TR	BF		60	13				19/6	S	14-00							273	#6 @32" O.C VERT
94	TR	BF		60	13				19/6	H	4-08							91	#6 @32" O.C VERT
95	TR	BF		60	2				19/6	S	14-00							42	#6 CJ ADDL
96	TR	BF		60	2				19/6	H	4-08							14	#6 CJ ADDL
97	TR	LS		60	2				16/5	S	34-00				1	48D	30-00	76	2 #5 CONT BB
98	MT	8" EXTERIOR CMU WALLS (SEC 3/S-6) (SEC 1/S-4) (198 LFT)																	
99	TR	BF		60	75				19/6	S	21-00							2,366	#6 @32" O.C VERT
100	TR	BF		60	75				19/6	H	7-00							789	#6 @32" O.C VERT
101	TR	BF		60	3			4	19/6	S	21-00							379	#6 COR VERT
102	TR	BF		60	3			4	19/6	H	7-00							126	#6 COR VERT
103	TR	BF		60	4			4	19/6	S	21-00							505	#6 INTER VERT
104	TR	BF		60	4			4	19/6	H	7-00							168	#6 INTER VERT
105	TR	BF		60	2*2			7	19/6	S	21-00							883	#6 OPNG VERT
106	TR	BF		60	2*2			7	19/6	H	7-00							294	#6 OPNG VERT
107	TR	BF		60	2			7	19/6	S	21-00							442	#6 CJ ADDL
108	TR	BF		60	2			7	19/6	H	7-00							147	#6 CJ ADDL
109	TR	BF		60	2			3	16/5	H	5-10							37	2 #5 LINTEL BAR
110	TR	BF		60	2			2	16/5	H	8-10							37	2 #5 LINTEL
111	TR	BF		60	2				16/5	H	12-06							26	2 #5 LINTEL
112	TR	BF		60	2				16/5	H	11-06							24	2 #5 LINTEL
113	TR	LS		60	2				16/5	S	198-00				1	48D	30-00	450	2 #5 CONT BB
114	TR	BF		60	2			4	16/5	H	5-00							42	#5 COR BB
115	TR	BF		60	49				16/5	H	6-04							324	#5 @48" O.C ADDL DWL
116	MT	6" CMU WALLS (3/S-6) (67 LFT)																	
117	TR	BF		60	38				19/6	S	5-02							295	#6 @32" O.C ADDL VERT

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
118	MT	REACTOR STAIR STRUCTURAL BUILDING																	
119	MT	BOTTOM MAT SLAB (SEC- (3/S-6A))																	
120	MT	12" THICK BOTTOM MAT SLAB = 340 SQ FT																	
121	TR	BF		60	25*2				16/5	S	30-00							1,564	#5 @12"O.C EW T&B
122	TR	BF		60	24				13/4	L	4-06							72	#4 STANDEE
123	MT	CONCRETE WALL DWLS																	
124	TR	BF		60	59*2				16/5	H	4-03							523	#5 @12"O.C DWL EF
125	TR	BF		60	49*2				16/5	H	4-03							434	#5 @12"O.C DWL EF
126	MT	RAMP SLAB (SEC- (3/S-6A))																	
127	MT	12" THICK RAMP SLAB = 210 SQ FT																	
128	TR	LS		60	7*2				16/5	S	35-00				1	2-08	30-00	550	#5 @12"O.C LW T&B
129	TR	BF		60	36*2				16/5	H	7-08							576	#5 @12"O.C SW T&B
130	TR	BF		60	14				13/4	L	4-06							42	#4 STANDEE
131	MT	LANDING SLAB (3/S-6A)																	
132	MT	8" THICK LANDING SLAB = 80 SQ FT																	
133	TR	BF		60	7*2				16/5	S	6-00							88	#5 @12"O. LW T&B
134	TR	BF		60	7*2				16/5	S	5-06							80	#5 @12"O. SW T&B
135	TR	BF		60	7*2				16/5	S	7-05							108	#5 @12"O. LW T&B
136	TR	BF		60	8*2				16/5	S	6-00							100	#5 @12"O. SW T&B
137	TR	BF		60	6				13/4	L	4-04							17	#4 STANDEE
138	MT	CONCRETE WALL DWLS																	
139	TR	BF		60	7*2				16/5	H	4-03							62	#5 @12"O.C DWL EF
140	MT	CONCRETE STAIRS (1/S-6B)																	
141	TR	BF		60	5*2				16/5	H	15-09							164	@5 @12"O.C LW T&B
142	TR	BF		60	13*2				16/5	S	4-00							108	@5 @12"O.C SW T&B
143	TR	BF		60	13*2				10/3	S	4-00							39	#3 NOSING BAR
144	TR	BF		60	5*2				16/5	H	19-02							200	@5 @12"O.C LW T&B
145	TR	BF		60	15*2				16/5	S	4-00							125	@5 @12"O.C SW T&B
146	TR	BF		60	15*2				10/3	S	4-00							45	#3 NOSING BAR
147	MT	CONCRETE WALL																	
148	MT	12" THICK CONCRETE WALL																	
149	TR	BF		60	59*2				16/5	S	22-06							2,769	#5 @12"O.C VERT EF
150	TR	LS		60	23*2				16/5	S	58-02				1	2-06	30-00	2,911	#5 @12"O.C HOR EF
151	TR	BF		60	23*2			4	16/5	H	5-00							960	#5 COR
152	TR	BF		60	23			4	16/5	H	8-00							768	#5 @12"O.C ADDL
153	TR	BF		60	49*2				16/5	S	12-04							1,261	#5 @12"O.C VERT EF
154	TR	BF		60	49*2				16/5	H	4-00							409	#5 @12"O.C DWL EF
155	TR	LS		60	13*2				16/5	S	47-10				1	2-06	30-00	1,365	#5 @12"O.C HOR EF
156	TR	BF		60	7*2				16/5	S	14-07							213	#5 @12"O.C VERT EF

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
157	TR	BF		60	16*2				16/5	S	6-00							200	#5 @12"O.C HOR EF
158	TR	BF		60	16*2			2	16/5	H	3-04							223	#5 INTER
159	TR	BF		60	16*2			2	16/5	H	8-00							534	#5 @12"O.C ADDL
160	TR	BF		60	140				10/3	L	3-04							175	#3 WALL SPREADER
161	TI	If			1120				2" WALL SPACER								0	12" CONCRET WALL = 112 LFT	
162	MT	CHEMICAL HANDLING & STORAGE BUILDING																	
163	MT	WALL FOOTING (SEC - A/S-14)																	
164	TR	LS		60	4				16/5	S	71-00				1	2-08	30-00	318	4-#5 CONT BOT
165	TR	BF		60	4			4	16/5	H	5-04							89	#5 COR
166	TR	BF		60	72				16/5	S	2-06							188	#5 @12"O.C TRANS
167	MT	SEC - (B/S-14)																	
168	TR	BF		60	7				16/5	S	29-02							213	7-#5 CONT BOT
169	TR	BF		60	30				19/6	S	5-00							225	#6 @12"O.C TRANS
170	MT	CONCRETE WALL DWLS																	
171	TR	BF		60	68				16/5	H	4-06							319	#5 @12"O.C D/V OF
172	TR	BF		60	68				16/5	H	4-06							319	#5 @12"O.C VERT IF
173	MT	SLAB ON GRADE																	
174	MT	8" THICK SLAB ON GRADE = 600 SQ FT																	
175	TR	BF		60	65*2				13/4	S	20-00							1,737	#4 @12" O.C EW T&B
176	TR	BF		60	48				13/4	L	4-05							142	#4 STANDEE
177	MT	SUMP PIT																	
178	TR	BF		60	4*2				13/4	S	2-08							14	#4 @12" O.C EW
179	TR	BF		60	9				13/4	H	5-05							33	#4 @12" O.C ADDL
180	MT	CONCRETE PAD																	
181	TR	BF		60	12*2				13/4	S	11-00							176	#4 @12" O.C EW
182	TR	BF		60	30				13/4	H	1-04							27	#4 @18" O.C D&E
183	TR	BF		60	5*2			2	13/4	S	4-06							60	#4 @12" O.C EW
184	TR	BF		60	13			2	13/4	H	1-04							23	#4 @18"O.C D&E
185	MT	CMU WALL DWLS																	
186	TR	BF		60	26				16/5	H	4-00							108	#5 @32"O.C DWL
187	MT	CONCRETE WALL																	
188	MT	8" THICK CONC CONTAINMENT WALL (SEC - (A/S1-4)																	
189	TR	BF		60	41*2				13/4	H	5-04							292	#4 @6"O.C D/V EF
190	TR	BF		60	9*2				13/4	S	19-10							238	#4 @6"O.C HOR EF
191	TR	BF		60	9*2			2	13/4	H	2-09							66	#4 INTER
192	TR	BF		60	5*2				16/5	H	8-00							83	#5 @12"O.C ADDL
193	MT	6" THICK CONC WALL = 12 LFT																	
194	TR	BF		60	12				16/5	S	4-00							50	#5 @12"O.C VERT
195	TR	BF		60	5				16/5	S	11-04							59	#5 @12"O.C HOR

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes	
196	TR	BF		60	5			2	16/5	H	5-04							56	#5 COR	
197	MT	8" THICK CONC WALL = 67 LFT																		
198	TR	BF		60	68				16/5	H	7-00							497	#5 @12"O.C VERT OF	
199	TR	BF		60	68				16/5	S	5-06							390	#5 @12"O.C VERT IF	
200	TR	LS		60	7*2				16/5	S	67-00				1	2-08	30-00	1,056	#5 @12"O.C HOR EF	
201	TR	BF		60	7*2			2	16/5	H	5-04							156	#5 COR	
202	TR	BF		60	7			2	16/5	H	8-00							117	#5 @12"O.C ADDL	
203	MT	8" THICK CONC WALL = 28 LFT - (SEC - (B/S1-4)																		
204	TR	BF		60	28*2				16/5	H	7-02							419	#5 @12"O.C D/V EF	
205	TR	BF		60	6*2				16/5	S	27-04							342	#5 @12"O.C HOR EF	
206	TR	BF		60	6*2			2	16/5	H	5-04							134	#5 COR	
207	TR	BF		60	6			2	16/5	H	8-00							100	#5 @12"O.C ADDL	
208	MT	8" THICK CONC CONTAINMENT WALL (SEC - (B/S1-4)																		
209	TR	BF		60	56*2				13/4	S	6-03							468	#4 @6"O.C VERT EF	
210	TR	LS		60	9*2				13/4	S	27-04				1	2-01	20-00	354	#4 @6"O.C HOR EF	
211	MT	CMU WALL DWLS																		
212	TR	BF		60	11				16/5	S	5-00							57	#5 @32"O.C DWL	
213	MT	CMU WALL																		
214	MT	8" CMU WALL = 67 LFT (SEC -(A/S-14)																		
215	TR	BF		60	26				16/5	S	26-00							705	#5 @32"O.C VERT	
216	TR	BF		60	26				16/5	H	4-10							131	#5 @32"O.C VERT	
217	TR	BF		60	3			2	16/5	S	26-00							163	#5 COR VERT	
218	TR	BF		60	3			2	16/5	H	4-10							30	#5 COR VERT	
219	TR	BF		60	2*2			2	16/5	S	26-00							217	#5 OPNG ADDL	
220	TR	BF		60	2*2			2	16/5	H	4-10							40	#5 OPNG ADDL	
221	TR	BF		60	2			3	16/5	S	26-00							163	#5 CJ ADDL	
222	TR	BF		60	2			3	16/5	H	4-10							30	#5 CJ ADDL	
223	TR	BF		60	2				16/5	H	5-02							11	2-#5 LINTEL	
224	TR	BF		60	2				16/5	H	4-06							9	2-#5 LINTEL	
225	TR	LS		60	2			2	16/5	S	67-00				1	48D	20-00	311	2-#5 BB	
226	TR	BF		60	2*2			2	16/5	H	5-00							42	#5 COR	
227	MT	8" CMU WALL = 28 LFT (SEC -(B/S-14)																		
228	TR	BF		60	11				16/5	S	19-06							224	#5 @32"O.C VERT	
229	TR	BF		60	11				16/5	H	4-10							55	#5 @32"O.C VERT	
230	TR	BF		60	3			2	16/5	S	19-06							122	#5 COR VERT	
231	TR	BF		60	3			2	16/5	H	4-10							30	#5 COR VERT	
232	TR	BF		60	2				16/5	S	19-06							41	#5 CJ ADDL	
233	TR	BF		60	2				16/5	H	4-10							10	#5 CJ ADDL	
234	TR	LS		60	2				16/5	S	27-04				1	48D	20-00	62	2-#5 BB	

C.WILLIAMWINEBRENNER TREATMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
235	TR	BF		60	2			2	16/5	H	5-00							21	#5 COR
236	MT	SEC - (C/S-14)																	
237	TR	BF		60	15				13/4	H	2-09							28	#4 @48"O.C DWL
238	MT	FINAL CLARIFIERS = 42 SQ.FT																	
239	MT	BOTTOM MAT SLAB																	
240	TR	BF		60	15*2			3	16/5	S	7-06							704	#5 @6" O.C LW T&B
241	TR	BF		60	16*2			3	16/5	S	7-00							701	#5 @6" O.C SW T&B
242	TR	BF		60	4			3	13/4	S	4-06							36	#4 STANDEE
243	TR	BF		60	13			3	16/5	S	1-08							68	#5 @6" O.C D&E
244	TR	BF		60	41			3	16/5	H	4-04							556	#5 @6" O.C DWLS EF
245	MT	CONCRETE WALL																	
246	TR	BF		60	41			3	16/5	S	12-10							1,647	#5 @6" O.C VERT
247	TR	BF		60	26*2			3	16/5	H	7-08							1,248	#5 @6" O.C HOR
248	TR	BF		60	26*2			3	16/5	H	7-10							1,275	#5 @6" O.C HOR
249	TR	BF		60	26*2			3	16/5	S	7-00							1,139	#5 @6" O.C HOR
250	TR	BF		60	17			3	10/3	L	3-00							58	#3 WALL SPREADER
251	TI	If		128			3		2" WALL SPACERS								0	12" CONC WALL = 20 LFT	
252	MT	UV BUILDING																	
253	MT	BOTTOM MAT SLAB																	
254	MT	SEC (A/S-12) = 105 SQ.FT																	
255	TR	BF		60	8				16/5	S	30-00							250	#5 @6" O.C BOT LW
256	TR	BF		60	61				16/5	S	3-06							223	#5 @6" O.C BOT SW
257	MT	SEC (A/S-12) = 100 SQ.FT																	
258	TR	BF		60	8				16/5	S	28-06							238	#5 @6" O.C BOT LW
259	TR	BF		60	58				16/5	S	3-06							212	#5 @6" O.C BOT SW
260	MT	SEC (A/S-12) = 85 SQ.FT																	
261	TR	BF		60	3				16/5	S	26-00							81	#5 @6" O.C LW
262	TR	BF		60	53				16/5	S	3-00							166	#5 @6" O.C SW
263	TR	BF		60	46				16/5	H	5-07							268	#5 @6" O.C VERT
264	TR	BF		60	46				16/5	S	4-04							208	#5 @6" O.C VERT
265	TR	BF		60	46				16/5	H	1-04							64	#5 @6" O.C VERT
266	TR	BF		60	11				16/5	S	23-00							264	#5 @6" O.C HOR
267	MT	SEC (E/S-12) = 70 SQ.FT																	
268	TR	BF		60	9				16/5	H	12-04							116	#5 @6" O.C LW
269	TR	BF		60	9				16/5	H	10-04							97	#5 @6" O.C LW
270	TR	BF		60	39				16/5	S	4-00							163	#5 @6" O.C SW
271	MT	8" CONCRETE WALL																	
272	MT	SEC (A/S-12) = 27 LFT																	
273	TR	BF		60	55*2				16/5	S	6-04							726	#5 @6" O.C EF D&E

C.WILLIAMWINEBRENNER TREATMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
274	TR	BF		60	12*2				16/5	H	27-10							697	#5 @6" O.C HOR EF
275	MT	SEC (B/S-12) = 14 LFT																	
276	TR	BF		60	29*2				16/5	S	3-03							197	#5 @6" O.C EF D&E
277	TR	BF		60	6*2				16/5	H	14-00							175	#5 @6" O.C HOR EF
278	TR	BF		60	2*2				16/5	H	14-00							58	#5 @6" O.C HOR EF
279	TR	BF		60	21				16/5	H	2-00							44	#5 @6" O.C ADDL
280	TR	BF		60	12*2				16/5	H	1-08							42	#5 @6" O.C D&E
281	TR	BF		60	96				10/3	L	2-05							87	#3 SPREADER
282	MT	SEC (A/S-12) = 55 LFT																	
283	TR	BF		60	111*2				16/5	H	1-04							308	#5 @6" O.C D&E
284	TR	BF		60	2*2				16/5	S	60-04							252	#5 @6" O.C HOR EF
285	TI	If		96					¾" WALL SPACERS								0	8" CONCRETE WALL = 41 LFT	
286	MT	12" CONCRETE WALL																	
287	MT	SEC (D/S-12) = 32 LFT																	
288	TR	BF		60	47*2				16/5	S	6-04							621	#5 @6" O.C EF D&E
289	TR	BF		60	6*2				16/5	H	34-08							434	#5 @6" O.C HOR EF
290	TR	BF		60	12				10/3	L	2-00							9	#3 SPREADER
291	TI	If		90					¾" WALL SPACERS								0	12" CONCRETE WALL = 32 LFT	
292	MT	HEADWORKS BUILDING																	
293	MT	WALL FOOTING = LFT																	
294	MT	SEC (B/S-18)																	
295	TR	BF		60	3				16/5	S	40-04							126	3 #5 CONT
296	TR	BF		60	36				16/5	S	2-00							75	#5 @12" O.C TRANS
297	MT	SEC (2/PM-2) = 53 LFT																	
298	TR	BF		60	3				16/5	S	58-04							183	3 #5 CONT
299	TR	BF		60	54				16/5	S	2-00							113	#5 @12" O.C TRANS
300	MT	CMU WALL DWLS																	
301	TR	BF		60	13				16/5	H	4-04							59	#5 @32" O.C DWLS
302	TR	BF		60	19				16/5	H	4-04							86	#5 @32" O.C DWLS
303	TR	BF		60	12				16/5	H	4-04							54	#5 @48" O.C DWLS
304	MT	BOTTOM MAT SLAB																	
305	MT	SEC (B/S-18) = 250 SQ.FT																	
306	TR	BF		60	21				16/5	S	24-04							533	#5 @6" O.C BOT LW
307	TR	BF		60	50				22/7	S	10-04							1,056	#7 @6" O.C BOT SW
308	TR	BF		60	21				16/5	S	24-04							533	#5 @6" O.C TOP LW
309	TR	BF		60	50				16/5	S	10-04							539	#5 @6" O.C BOT SW
310	TR	BF		60	16				13/4	L	4-07							49	#4 STANDEE
311	MT	CONCRETE WALL DWLS																	
312	TR	BF		60	67*2				22/7	H	6-06							1,780	#7 @6" O.C EF DWLS

C.WILLIAMWINEBRENNER TREATMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes	
313	TR	BF		60	61*2				22/7	H	6-06							1,621	#7 @6" O.C EF DWLS	
314	MT	SEC (B/S-18) = 36 SQ.FT																		
315	TR	BF		60	13*2			2	16/5	S	6-00							325	#5 @6" O.C EW T&B	
316	TR	BF		60	4				13/4	L	4-07							12	#4 STANDEE	
317	MT	BOTTOM MAT SLAB																		
318	MT	SEC (A/S-18) = 645 SQ.FT																		
319	TR	BF		60	93*2				16/5	S	30-00							5,820	#5 @6" O.C EW T&B	
320	TR	BF		60	41				13/4	L	4-08							128	#4 STANDEE	
321	MT	STEP DETAIL																		
322	TR	BF		60	5				16/5	S	7-09							40	#5 @6" O.C LW BOT	
323	TR	BF		60	3				16/5	S	7-09							24	#5 @6" O.C LW TOP	
324	TR	BF		60	17				16/5	H	4-01							72	#5 @6" O.C SW BOT	
325	TR	BF		60	17				16/5	H	4-08							83	#5 @6" O.C SW TOP	
326	MT																			
327	TR	BF		60	6				16/5	S	4-09							30	#5 @6" O.C LW BOT	
328	TR	BF		60	4				16/5	S	4-09							20	#5 @6" O.C LW TOP	
329	TR	BF		60	11				16/5	H	5-02							59	#5 @6" O.C SW BOT	
330	TR	BF		60	11				16/5	H	4-05							51	#5 @6" O.C SW TOP	
331	MT																			
332	TR	BF		60	3				16/5	S	4-09							15	#5 @6" O.C LW BOT	
333	TR	BF		60	2				16/5	S	4-09							10	#5 @6" O.C LW TOP	
334	TR	BF		60	11				16/5	H	5-02							59	#5 @6" O.C SW BOT	
335	TR	BF		60	11				16/5	H	4-05							51	#5 @6" O.C SW TOP	
336	MT	CONCRETE WALL DWLS																		
337	TR	BF		60	25*2				16/5	H	4-06							235	#5 @6" O.C EF DWLS	
338	TR	BF		60	17*2				16/5	S	4-06							160	#5 @6" O.C EF DWLS	
339	TR	BF		60	23*2				16/5	S	4-06							216	#5 @6" O.C EF DWLS	
340	TR	BF		60	41*2				16/5	S	4-06							385	#5 @6" O.C EF DWLS	
341	TR	BF		60	85*2				16/5	S	4-06							798	#5 @6" O.C EF DWLS	
342	MT	CONCRETE WALL																		
343	MT	SEC (C/S-18)																		
344	TR	BF		60	63				16/5	H	7-08							504	#5 @6" O.C IF D/V	
345	TR	BF		60	71				16/5	H	7-08							568	#5 @6" O.C OF D/V	
346	TR	BF		60	11				16/5	S	30-00							344	#5 @6" O.C HOR IF	
347	TR	BF		60	11				16/5	H	12-08							145	#5 @6" O.C HOR OF	
348	TR	BF		60	11				16/5	S	9-04							107	#5 @6" O.C HOR OF	
349	TR	BF		60	11				16/5	H	10-10							124	#5 @6" O.C HOR OF	
350	TR	BF		60	11				16/5	H	9-04							107	#5 @6" O.C HOR OF	
351	TR	BF		60	11				16/5	S	10-10							124	#5 @6" O.C HOR OF	

C.WILLIAMWINEBRENNER TREATMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes	
352	TR	BF		60	11				16/5	H	11-10							136	#5 @6" O.C HOR OF	
353	MT	15" CONCRETE WALL																		
354	MT	SEC (B/S-18) = 33 LFT																		
355	TR	BF		60	67*2				16/5	S	11-00							1,537	#5 @6" O.C VERT EF	
356	TR	BF		60	23*2				16/5	S	35-08							1,711	#5 @6" O.C HOR EF	
357	TR	BF		60	34				13/4	S	4-00							91	#4 @12" O.C DWLS	
358	MT	SEC (B/S-18) = 12 LFT																		
359	TR	BF		60	25*2				16/5	S	5-06							287	#5 @6" O.C VERT EF	
360	TR	BF		60	12*2				16/5	S	12-00							300	#5 @6" O.C HOR OF	
361	MT	SEC (C/S-18) = 43 LFT																		
362	TR	BF		60	87*2				16/5	H	6-01							1,104	#5 @6" O.C EF D/V	
363	TR	BF		60	13*2				16/5	S	35-08							967	#5 @6" O.C HOR EF	
364	TR	BF		60	13				16/5	S	10-00							136	#5 @6" O.C HOR OF	
365	TR	BF		60	13				16/5	H	6-01							82	#5 @6" O.C HOR IF	
366	TR	BF		60	13				16/5	H	5-04							72	#5 @6" O.C HOR IF	
367	TR	BF		60	41				10/3	L	2-06							39	#3 SPREADER	
368	TI	If			312				¾" WALL SPACERS									0	15" CONCRETE WALL = 90 LFT	
369	MT	12" CONCRETE WALL																		
370	MT	SEC (B/S-18) = 30 LFT																		
371	TR	BF		60	61*2				16/5	S	11-00							1,400	#5 @6" O.C VERT EF	
372	TR	BF		60	23*2				16/5	S	30-00							1,439	#5 @6" O.C HOR EF	
373	TR	BF		60	23*2				16/5	S	5-04							256	#5 @COR	
374	TR	BF		60	31				13/4	S	4-00							83	#4 @12" O.C DWLS	
375	MT	SEC (B/S-18) = 8 LFT																		
376	TR	BF		60	17*2				16/5	S	5-06							195	#5 @6" O.C VERT EF	
377	TR	BF		60	11*2				16/5	S	8-00							184	#5 @6" O.C HOR EF	
378	TR	BF		60	11*2			2	16/5	S	5-04							245	#5 @COR	
379	TR	BF		60	31				13/4	S	4-00							83	#4 @12" O.C DWLS	
380	MT	SEC (B/S-18) = 11 LFT																		
381	TR	BF		60	23*2				16/5	S	6-09							324	#5 @6" O.C VERT EF	
382	TR	BF		60	23*2				16/5	S	11-00							528	#5 @6" O.C HOR EF	
383	TR	BF		60	23*2			2	16/5	S	5-04							512	#5 @COR	
384	TR	BF		60	12				13/4	S	4-00							32	#4 @12" O.C DWLS	
385	MT	SEC (B/S-18) = 20 LFT																		
386	TR	BF		60	41*2				16/5	S	5-00							428	#5 @6" O.C VERT EF	
387	TR	BF		60	23*2				16/5	S	11-00							528	#5 @6" O.C HOR EF	
388	TR	BF		60	23*2			2	16/5	S	5-04							512	#5 @COR	
389	TR	BF		60	21				13/4	S	4-00							56	#4 @12" O.C DWLS	
390	MT	SEC (B/S-18) = 42 LFT																		

C.WILLIAMWINEBRENNER TREATMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes		
391	TR	BF		60	85*2				16/5	S	6-00							1,064	#5 @6" O.C VERT EF		
392	TR	BF		60	13*2				16/5	S	47-04							1,284	#5 @6" O.C HOR EF		
393	TR	BF		60	13*2			3	16/5	S	5-04							434	#5 @COR		
394	TR	BF		60	43				13/4	S	4-00							115	#4 @12" O.C DWLS		
395	MT	SEC (B/S-18) = 16 LFT																			
396	TR	BF		60	33*2				16/5	S	7-08							528	#5 @6" O.C EF D/V		
397	TR	BF		60	11*2				16/5	S	16-00							367	#5 @6" O.C HOR EF		
398	TR	BF		60	57				10/3	L	2-03							48	#3 SPREADER		
399	TI	If		441					¾"	WALL SPACERS										0	12" CONCRETE WALL = 130 LFT
400	MT	CMU WALL DWLS																			
401	TR	BF		60	13				16/5	S	5-00							68	#5 @32" O.C DWLS		
402	TR	BF		60	16				16/5	S	5-00							83	#5 @32" O.C DWLS		
403	MT	TOP MAT SLAB																			
404	MT	SEC (B/S-18) = 216 SQ.FT																			
405	TR	BF		60	10				13/4	S	23-04							156	#4 @12" O.C LW BOT		
406	TR	BF		60	47				22/7	S	9-04							897	#7 @6" O.C SW BOT		
407	TR	BF		60	10				13/4	S	23-04							156	#4 @12" O.C LW TOP		
408	TR	BF		60	24				13/4	S	9-04							150	#4 @12" O.C SW TOP		
409	MT	SEC (A/S-18)																			
410	TR	BF		60	7*2			2	22/7	S	3-00							172	#7 @6" O.C EW T&B		
411	TR	BF		60	4				13/4	L	4-06							12	#4 STANDEE		
412	MT	SEC (C/S-18)																			
413	TR	BF		60	3				13/4	S	8-00							16	#4 @12" O.C LW BOT		
414	TR	BF		60	17				16/5	S	2-04							41	#5 @6" O.C SW BOT		
415	TR	BF		60	3				13/4	S	8-00							16	#4 @12" O.C LW TOP		
416	TR	BF		60	9				13/4	S	2-04							14	#4 @12" O.C SW TOP		
417	MT	SEC (B/S-18) = 940 SQ.FT																			
418	TR	BF		60	102*2				13/4	S	20-00							2,725	#4 @12" O.C EW T&B		
419	MT	SEC (B/S-18)																			
420	TR	BF		60	1				13/4	S	11-00							7	#4 @12" O.C BOT LW		
421	TR	BF		60	1				13/4	S	2-09							2	#4 @12" O.C BOT LW		
422	TR	BF		60	8				13/4	S	0-06							3	#4 @12" O.C BOT SW		
423	TR	BF		60	3				13/4	S	1-06							3	#4 @12" O.C BOT SW		
424	MT	CMU WALL DWLS																			
425	TR	BF		60	16				16/5	H	4-04							72	#5 @32" O.C DWLS		
426	TR	BF		60	7				16/5	H	4-04							32	#5 @32" O.C DWLS		
427	MT	CMU WALL																			
428	MT	8" CMU WALL (EXTERIOR CMU WALL)																			
429	MT	SEC (D/S-18) = 25 LFT																			

C.WILLIAMWINEBRENNER TREATMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
430	TR	BF		60	10				16/5	S	13-00							136	#5 @32" O.C VERT
431	TR	BF		60	10				16/5	H	7-10							82	#5 @32" O.C VERT
432	TR	BF		60	3				16/5	S	13-00							41	#5 VERT @ COR
433	TR	BF		60	3				16/5	H	7-10							25	#5 VERT @ COR
434	TR	BF		60	2				16/5	S	27-06							57	2 #5 BB
435	TR	BF		60	2				16/5	H	5-00							10	#5 COR
436	TR	BF		60	7				13/4	H	2-08							12	#4 @48" O.C DWLS
437	MT	SEC (D/S-18) = 8 LFT																	
438	TR	BF		60	3				16/5	S	13-00							41	#5 @32" O.C VERT
439	TR	BF		60	3				16/5	H	7-10							25	#5 @32" O.C VERT
440	TR	BF		60	3				16/5	S	13-00							41	#5 VERT @ COR
441	TR	BF		60	3				16/5	H	7-10							25	#5 VERT @ COR
442	TR	BF		60	2				16/5	S	8-00							17	2 #5 BB
443	TR	BF		60	2				16/5	H	5-00							10	#5 COR
444	TR	BF		60	2				13/4	H	2-08							4	#4 @48" O.C DWLS
445	MT	SEC (D/S-18) = 23 LFT																	
446	TR	BF		60	9				16/5	S	13-00							122	#5 @32" O.C VERT
447	TR	BF		60	9				16/5	H	7-10							74	#5 @32" O.C VERT
448	TR	BF		60	3				16/5	S	13-00							41	#5 VERT @ COR
449	TR	BF		60	3				16/5	H	7-10							25	#5 VERT @ COR
450	TR	BF		60	4				16/5	S	13-00							54	#5 VERT @ OPNG
451	TR	BF		60	4				16/5	H	7-10							33	#5 VERT @ OPNG
452	TR	BF		60	2				16/5	S	25-06							53	2 #5 BB
453	TR	BF		60	2				16/5	H	5-00							10	#5 COR
454	TR	BF		60	6				13/4	H	2-08							11	#4 @48" O.C DWLS
455	MT	SEC (D/S-18) = 32 LFT																	
456	TR	BF		60	12				16/5	S	19-06							244	#5 @32" O.C VERT
457	TR	BF		60	12				16/5	H	5-10							73	#5 @32" O.C VERT
458	TR	BF		60	4				16/5	S	19-06							81	#5 VERT @ OPNG
459	TR	BF		60	4				16/5	H	5-10							24	#5 VERT @ OPNG
460	TR	BF		60	2				16/5	S	37-00							77	2 #5 BB
461	MT	SEC (D/S-18) = 10 LFT																	
462	TR	BF		60	4				16/5	S	19-06							81	#5 @32" O.C VERT
463	TR	BF		60	4				16/5	H	5-10							24	#5 @32" O.C VERT
464	TR	BF		60	3				16/5	S	19-06							61	#5 VERT @ COR
465	TR	BF		60	3				16/5	H	5-10							18	#5 VERT @ COR
466	TR	BF		60	2				16/5	S	10-00							21	2 #5 BB
467	TR	BF		60	2				16/5	H	5-00							10	#5 COR
468	MT	SEC (D/S-18) = 23 LFT																	

C.WILLIAMWINEBRENNER TREATMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
469	TR	BF		60	9				16/5	S	26-00							244	#5 @32" O.C VERT
470	TR	BF		60	9				16/5	H	4-04							41	#5 @32" O.C VERT
471	TR	BF		60	4				16/5	S	26-00							108	#5 VERT @ OPNG
472	TR	BF		60	4				16/5	H	4-04							18	#5 VERT @ OPNG
473	TR	BF		60	2				16/5	S	7-00							15	2 #5 LINTEL
474	TR	BF		60	2				16/5	S	25-06							53	2 #5 BB
475	MT	SEC (D/S-18) = 30 LFT																	
476	TR	BF		60	12				16/5	S	19-06							244	#5 @32" O.C VERT
477	TR	BF		60	12				16/5	H	6-04							79	#5 @32" O.C VERT
478	TR	BF		60	3				16/5	S	19-06							61	#5 VERT @ COR
479	TR	BF		60	3				16/5	H	6-04							20	#5 VERT @ COR
480	TR	BF		60	4				16/5	S	19-06							81	#5 VERT @ OPNG
481	TR	BF		60	4				16/5	H	6-04							26	#5 VERT @ OPNG
482	TR	BF		60	2				16/5	S	5-00							10	2 #5 LINTEL
483	TR	BF		60	2				16/5	S	35-00							73	2 #5 BB
484	TR	BF		60	8				13/4	H	2-08							14	#4 @48" O.C DWLS
485	MT	12" CMU WALL (INTERIOR CMU WALL)																	
486	MT	SEC (B/S-18) = 34 LFT																	
487	TR	BF		60	9				16/5	S	13-00							122	#5 @48" O.C VERT
488	TR	BF		60	9				16/5	H	7-10							74	#5 @48" O.C VERT
489	TR	BF		60	3				16/5	S	13-00							41	#5 VERT @ COR
490	TR	BF		60	3				16/5	H	7-10							25	#5 VERT @ COR
491	TR	BF		60	2				16/5	S	39-00							81	2 #5 BB
492	TR	BF		60	2				16/5	H	5-00							10	#5 COR
493	MT	SITWORK																	
494	MT	5" THICK CONCRETE SIDEWALK(1945 SQ.FT)																	
495	TI	Sheets		45					6X6-W2.1XW2.1 WWF									0	5" TK CONC SIDEWALK(1945 SQ.FT)
496	TI	Pcs		125					2½" IHC WITH SAND PLATES									0	5" TK CONC SIDEWALK (1945 SQ.F
497	MT	AIR MAIN SUPPORT																	
498	MT	REF SEC-(PM-11/1)																	
499	TR	BF		60	4				16/5	S	5-05							23	4-#5 VERT
500	TR	BF		60	4				13/4	L	4-02							11	4-#4 TIES
501	MT	TRANSFORMER PAD																	
502	MT	REF SHEET(S-7)																	
503	TR	BF		60	8*2				13/4	S	7-00							75	#4 @12" O.C EW
504	TR	BF		60	19				13/4	H	1-04							17	#4 @18" O.C D&E
505	MT	GENERATOR PAD																	
506	MT	REF SHEET(S-7)																	
507	TR	BF		60	8				13/4	S	18-00							96	#4 @12" O.C LW

C.WILLIAMWINEBRENNER TREATMENT

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
508	TR	BF		60	20				13/4	S	6-06							87	#4 @12" O.C SW
509	TR	BF		60	34				13/4	H	1-04							30	#4 @18" O.C D&E

C.WILLIAMWINEBRENNER TREATMENT

Segment: BIOMAG BUILDING CONCRETE REINF

Total for BOTTOM MAT SLAB

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	84	30	0	54	0
16/5	2,747	1,772	975	0	0
	<u>2,831</u>	<u>1,802</u>	<u>975</u>	<u>54</u>	<u>0</u>

** Grade 60, Black **

Total for CONCRETE PEDESTAL

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	196	0	0	196	0
29/9	480	0	480	0	0
	<u>676</u>	<u>0</u>	<u>480</u>	<u>196</u>	<u>0</u>

** Grade 60, Black **

Total for WALL FOOTING WITH STEM WALL

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
16/5	2,050	1,688	362	0	876
19/6	1,751	0	1,751	0	0
	<u>3,801</u>	<u>1,688</u>	<u>2,113</u>	<u>0</u>	<u>876</u>

** Grade 60, Black **

C.WILLIAMWINEBRENNER TREATMENT

Total for SLAB ON GRADE

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	508	314	194	0	0
16/5	10,437	9,572	865	0	250
19/6	285	36	249	0	0
	11,230	9,922	1,308	0	250

** Grade 60, Black **

**** Miscellaneous Item Summary ****

Comments, Etc

2" SLAB BOLSTER	2" SLAB BOLSTER	515.000	lf	=	515.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
4 3/4" IHC WITH SAND PLATES	4 3/4" IHC WITH SAND PLATES	130.000	lf	=	130.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
Subtotal											= \$	0.00	0	Lbs
Grand Total											= \$	0.00	0	Lbs

Total for CONCRETE WALL

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
16/5	3,725	2,651	1,074	0	1,068
	3,725	2,651	1,074	0	1,068

** Grade 60, Black **

C.WILLIAMWINEBRENNER TREATMENT

Total for Segment: BIOMAG BUILDING CONCRETE REINF

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	788	344	194	250	0
16/5	18,959	15,683	3,276	0	2,194
19/6	2,036	36	2,000	0	0
29/9	480	0	480	0	0
	<u>22,263</u>	<u>16,063</u>	<u>5,950</u>	<u>250</u>	<u>2,194</u>

**** Grade 60, Black ****

****** Miscellaneous Item Summary ******

Comments, Etc

2" SLAB BOLSTER	2" SLAB BOLSTER	515.000	lf	=	515.000	lf	@	0.000	/	lf	= \$	0.00	0 Lbs
4 3/4" IHC WITH SAND PLATES	4 3/4" IHC WITH SAND PLATES	130.000	lf	=	130.000	lf	@	0.000	/	lf	= \$	0.00	0 Lbs
Subtotal											= \$	0.00	0 Lbs
Grand Total											= \$	0.00	0 Lbs

C.WILLIAMWINEBRENNER TREATMENT

Segment: BIOMAG BUILDING MASONRY REINF

Total for CMU WALL

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Black **

16/5	1,016	526	490	0	501
19/6	8,097	6,205	1,892	0	0
	<u>9,113</u>	<u>6,731</u>	<u>2,382</u>	<u>0</u>	<u>501</u>

Total for Segment: BIOMAG BUILDING MASONRY REINF

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Black **

16/5	1,016	526	490	0	501
19/6	8,097	6,205	1,892	0	0
	<u>9,113</u>	<u>6,731</u>	<u>2,382</u>	<u>0</u>	<u>501</u>

C.WILLIAMWINEBRENNER TREATMENT

Segment: REACTOR STAIR STRUCTURAL BUILDING CONCRETE REINF

Total for BOTTOM MAT SLAB

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	72	0	0	72	0
16/5	2,522	1,565	957	0	0
	<u>2,594</u>	<u>1,565</u>	<u>957</u>	<u>72</u>	<u>0</u>

** Grade 60, Black **

Total for RAMP SLAB

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	42	0	0	42	0
16/5	1,126	550	576	0	438
	<u>1,168</u>	<u>550</u>	<u>576</u>	<u>42</u>	<u>438</u>

** Grade 60, Black **

Total for LANDING SLAB

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	17	0	0	17	0
16/5	438	376	62	0	0
	<u>455</u>	<u>376</u>	<u>62</u>	<u>17</u>	<u>0</u>

** Grade 60, Black **

C.WILLIAMWINEBRENNER TREATMENT

Total for CONCRETE STAIRS

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
10/3	84	84	0	0	0
16/5	597	233	364	0	0
	<u>681</u>	<u>317</u>	<u>364</u>	<u>0</u>	<u>0</u>

**** Grade 60, Black ****

Total for CONCRETE WALL

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
10/3	175	0	0	175	0
16/5	11,612	8,718	2,894	0	2,253
	<u>11,787</u>	<u>8,718</u>	<u>2,894</u>	<u>175</u>	<u>2,253</u>

**** Grade 60, Black ****

****** Miscellaneous Item Summary ******

Comments, Etc

2" WALL SPACER	2" WALL SPACER	1,120.000	lf	=	1,120.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
Subtotal											= \$	0.00	0	Lbs
Grand Total											= \$	0.00	0	Lbs

C.WILLIAMWINEBRENNER TREATMENT

Total for Segment: REACTOR STAIR STRUCTURAL BUILDING CONCRETE REINF

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
10/3	259	84	0	175	0
13/4	131	0	0	131	0
16/5	16,295	11,442	4,853	0	2,691
	16,685	11,526	4,853	306	2,691

** Grade 60, Black **

**** Miscellaneous Item Summary ****

Comments, Etc

2" WALL SPACER	2" WALL SPACER	1,120.000	lf	=	1,120.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
Subtotal											= \$	0.00	0	Lbs
Grand Total											= \$	0.00	0	Lbs

C.WILLIAMWINEBRENNER TREATMENT

Segment: CHEMICAL HANDLING & STORAGE BLDG CONCRETE REINF

Total for WALL FOOTING

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

** Grade 60, Black **

16/5	1,446	719	727	0	250
19/6	225	225	0	0	0
	<u>1,671</u>	<u>944</u>	<u>727</u>	<u>0</u>	<u>250</u>

Total for SLAB ON GRADE

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Black **

13/4	1,926	1,751	33	142	0
16/5	108	0	108	0	0
	<u>2,034</u>	<u>1,751</u>	<u>141</u>	<u>142</u>	<u>0</u>

Total for CONCRETE PAD

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Black **

13/4	286	236	50	0	0
	<u>286</u>	<u>236</u>	<u>50</u>	<u>0</u>	<u>0</u>

C.WILLIAMWINEBRENNER TREATMENT

Total for CONCRETE WALL

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	1,417	1,059	358	0	240
16/5	3,516	1,954	1,562	0	876
	<u>4,933</u>	<u>3,013</u>	<u>1,920</u>	<u>0</u>	<u>1,116</u>

**** Grade 60, Black ****

Total for Segment: CHEMICAL HANDLING & STORAGE BLDG CONCRETE REINF

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	3,629	3,046	441	142	240
16/5	5,070	2,673	2,397	0	1,126
19/6	225	225	0	0	0
	<u>8,924</u>	<u>5,944</u>	<u>2,838</u>	<u>142</u>	<u>1,366</u>

**** Grade 60, Black ****

C.WILLIAMWINEBRENNER TREATMENT

Segment: CHEMICAL HANDLING & STORAGE BLDG MASONRY REINF

Total for CMU WALL

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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** Grade 60, Black **

13/4	28	0	28	0	0
16/5	2,418	2,009	409	0	292
	<u>2,446</u>	<u>2,009</u>	<u>437</u>	<u>0</u>	<u>292</u>

Total for Segment: CHEMICAL HANDLING & STORAGE BLDG MASONRY REINF

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
------	-------	----------	-------	-------	-----------

** Grade 60, Black **

13/4	28	0	28	0	0
16/5	2,418	2,009	409	0	292
	<u>2,446</u>	<u>2,009</u>	<u>437</u>	<u>0</u>	<u>292</u>

C.WILLIAMWINEBRENNER TREATMENT

Segment: FINAL CLARIFIERS CONCRETE DETAILS

Total for BOTTOM MAT SLAB

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	36	36	0	0	0
16/5	2,029	1,473	556	0	0
	<u>2,065</u>	<u>1,509</u>	<u>556</u>	<u>0</u>	<u>0</u>

** Grade 60, Black **

Total for CONCRETE WALL

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
10/3	58	0	0	58	0
16/5	5,309	2,786	2,523	0	0
	<u>5,367</u>	<u>2,786</u>	<u>2,523</u>	<u>58</u>	<u>0</u>

** Grade 60, Black **

**** Miscellaneous Item Summary ****

Comments, Etc

2" WALL SPACERS	2" WALL SPACERS	384.000	lf	=	384.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
Subtotal											= \$	0.00	0	Lbs
Grand Total											= \$	0.00	0	Lbs

C.WILLIAMWINEBRENNER TREATMENT

Total for Segment: FINAL CLARIFIERS CONCRETE DETAILS

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
10/3	58	0	0	58	0
13/4	36	36	0	0	0
16/5	7,338	4,259	3,079	0	0
	<u>7,432</u>	<u>4,295</u>	<u>3,079</u>	<u>58</u>	<u>0</u>

**** Grade 60, Black ****

****** Miscellaneous Item Summary ******

Comments, Etc

2" WALL SPACERS	2" WALL SPACERS	384.000	lf	=	384.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
Subtotal											= \$	0.00	0	Lbs
Grand Total											= \$	0.00	0	Lbs

C.WILLIAMWINEBRENNER TREATMENT

Segment: UV BUILDING CONCRETE REINF

Total for BOTTOM MAT SLAB

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
16/5	2,350	1,805	545	0	0
	<u>2,350</u>	<u>1,805</u>	<u>545</u>	<u>0</u>	<u>0</u>

** Grade 60, Black **

Total for CONCRETE WALL

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
10/3	96	0	0	96	0
16/5	3,554	1,796	1,758	0	252
	<u>3,650</u>	<u>1,796</u>	<u>1,758</u>	<u>96</u>	<u>252</u>

** Grade 60, Black **

**** Miscellaneous Item Summary ****

Comments, Etc

¾" WALL SPACERS	¾" WALL SPACERS	186.000	lf	=	186.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
											= \$	0.00	0	Lbs
Subtotal											= \$	0.00	0	Lbs
Grand Total											= \$	0.00	0	Lbs

C.WILLIAMWINEBRENNER TREATMENT

Total for Segment: UV BUILDING CONCRETE REINF

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
10/3	96	0	0	96	0
16/5	5,904	3,601	2,303	0	252
	<u>6,000</u>	<u>3,601</u>	<u>2,303</u>	<u>96</u>	<u>252</u>

** Grade 60, Black **

**** Miscellaneous Item Summary ****

Comments, Etc

¾" WALL SPACERS	¾" WALL SPACERS	186.000 lf	=	186.000 lf	@	0.000 / lf	= \$	0.00	0 Lbs	
Subtotal								= \$	0.00	0 Lbs
Grand Total								= \$	0.00	0 Lbs

C.WILLIAMWINEBRENNER TREATMENT

Segment: HEADWORKS BUILDING CONCRETE REINF

Total for WALL FOOTING

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
16/5	696	497	199	0	0
	<u>696</u>	<u>497</u>	<u>199</u>	<u>0</u>	<u>0</u>

** Grade 60, Black **

Total for BOTTOM MAT SLAB

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	189	0	0	189	0
16/5	10,058	9,448	610	0	0
22/7	4,457	1,056	3,401	0	0
	<u>14,704</u>	<u>10,504</u>	<u>4,011</u>	<u>189</u>	<u>0</u>

** Grade 60, Black **

C.WILLIAMWINEBRENNER TREATMENT

Total for CONCRETE WALL

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
10/3	87	0	0	87	0
13/4	460	460	0	0	0
16/5	18,734	15,892	2,842	0	0
	19,281	16,352	2,842	87	0

**** Grade 60, Black ****

****** Miscellaneous Item Summary ******

Comments, Etc

¾" WALL SPACERS	¾" WALL SPACERS	753.000	lf	=	753.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
Subtotal											= \$	0.00	0	Lbs
Grand Total											= \$	0.00	0	Lbs

Total for TOP MAT SLAB

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	3,260	3,248	0	12	0
16/5	145	41	104	0	0
22/7	1,069	1,069	0	0	0
	4,474	4,358	104	12	0

**** Grade 60, Black ****

C.WILLIAMWINEBRENNER TREATMENT

Total for Segment: HEADWORKS BUILDING CONCRETE REINF

****** Rebar Weight Summary (Lbs) ******

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
10/3	87	0	0	87	0
13/4	3,909	3,708	0	201	0
16/5	29,633	25,878	3,755	0	0
22/7	5,526	2,125	3,401	0	0
	<u>39,155</u>	<u>31,711</u>	<u>7,156</u>	<u>288</u>	<u>0</u>

**** Grade 60, Black ****

****** Miscellaneous Item Summary ******

Comments, Etc

¾" WALL SPACERS	¾" WALL SPACERS	753.000 lf	=	753.000 lf	@	0.000 / lf	= \$	0.00	0 Lbs	
Subtotal								= \$	0.00	0 Lbs
Grand Total								= \$	0.00	0 Lbs

C.WILLIAMWINEBRENNER TREATMENT

Segment: HEADWORKS BUILDING MASONRY REINF

Total for CMU WALL

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	41	0	41	0	0
16/5	3,062	2,301	761	0	0
	<u>3,103</u>	<u>2,301</u>	<u>802</u>	<u>0</u>	<u>0</u>

** Grade 60, Black **

Total for Segment: HEADWORKS BUILDING MASONRY REINF

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	41	0	41	0	0
16/5	3,062	2,301	761	0	0
	<u>3,103</u>	<u>2,301</u>	<u>802</u>	<u>0</u>	<u>0</u>

** Grade 60, Black **

C.WILLIAMWINEBRENNER TREATMENT

Segment: BUILDING SITEWORK CONCRETE REINF

Total for CONCRETE SIDEWALK

**** Miscellaneous Item Summary ****

Comments, Etc

2½" IHC WITH SAND PLATES	2½" IHC WITH SAND PLATES	125.000 Pcs	=	125.000 Pcs	@	0.000 / Pcs	= \$	0.00	0 Lbs
6X6-W2.1XW2.1 WWF	6X6-W2.1XW2.1 WWF	45.000 Sheets	=	45.000 Sheets	@	0.000 / Sheets	= \$	0.00	0 Lbs
Subtotal							= \$	0.00	0 Lbs
Grand Total							= \$	0.00	0 Lbs

Total for AIR MAIN SUPPORT

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
13/4	11	0	0	11	0
16/5	23	23	0	0	0
	<u>34</u>	<u>23</u>	<u>0</u>	<u>11</u>	<u>0</u>

Total for TRANSFORMER PAD

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
13/4	92	75	17	0	0
	<u>92</u>	<u>75</u>	<u>17</u>	<u>0</u>	<u>0</u>

C.WILLIAMWINEBRENNER TREATMENT

Total for GENERATOR PAD

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	213	183	30	0	0
	<u>213</u>	<u>183</u>	<u>30</u>	<u>0</u>	<u>0</u>

** Grade 60, Black **

Total for Segment: BUILDING SITEWORK CONCRETE REINF

**** Rebar Weight Summary (Lbs) ****

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
13/4	316	258	47	11	0
16/5	23	23	0	0	0
	<u>339</u>	<u>281</u>	<u>47</u>	<u>11</u>	<u>0</u>

** Grade 60, Black **

**** Miscellaneous Item Summary ****

Comments, Etc

2½" IHC WITH SAND PLATES	2½" IHC WITH SAND PLATES	125.000 Pcs	=	125.000 Pcs	@	0.000 / Pcs	= \$	0.00	0 Lbs
6X6-W2.1XW2.1 WWF	6X6-W2.1XW2.1 WW	45.000 Sheets	=	45.000 Sheets	@	0.000 / Sheets	= \$	0.00	0 Lbs
Subtotal							= \$	0.00	0 Lbs
Grand Total							= \$	0.00	0 Lbs

C.WILLIAMWINEBRENNER TREATMENT

Estimate Totals

**** Rebar Weight Summary (Lbs) ****

** Grade 60, Black **

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
10/3	500	84	0	416	0
13/4	8,878	7,392	751	735	240
16/5	89,718	68,395	21,323	0	7,056
19/6	10,358	6,466	3,892	0	0
22/7	5,526	2,125	3,401	0	0
29/9	480	0	480	0	0
	<u>115,460</u>	<u>84,462</u>	<u>29,847</u>	<u>1,151</u>	<u>7,296</u>

C.WILLIAMWINEBRENNER TREATMENT

Estimate Totals

**** Miscellaneous Item Summary ****

Comments, Etc

¾" WALL SPACERS	¾" WALL SPACERS	939.000	lf	=	939.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
2" SLAB BOLSTER	2" SLAB BOLSTER	515.000	lf	=	515.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
2" WALL SPACER	2" WALL SPACER	1,120.000	lf	=	1,120.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
2" WALL SPACERS	2" WALL SPACERS	384.000	lf	=	384.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
2½" IHC WITH SAND PLATES	2½" IHC WITH SAND PLATES	125.000	Pcs	=	125.000	Pcs	@	0.000	/	Pcs	= \$	0.00	0	Lbs
4¾" IHC WITH SAND PLATES	4¾" IHC WITH SAND PLATES	130.000	lf	=	130.000	lf	@	0.000	/	lf	= \$	0.00	0	Lbs
6X6-W2.1XW2.1 WWF	6X6-W2.1XW2.1 WW	45.000	Sheets	=	45.000	Sheets	@	0.000	/	Sheets	= \$	0.00	0	Lbs
Subtotal											= \$	0.00	0	Lbs
Grand Total											= \$	0.00	0	Lbs