

15498 - SAMPLE ESTIMATION**Project Name:** SAMPLE ESTIMATION

XXXXX

XXXXX

XXXX

XXXX

Architect: XXXXX**Engineer:** XXXXX**Customer:****Job Type:** Lump Sum**Estimator:** admin**Creation Date:** 7/25/2019**Last Modified:** 7/25/2019**Status:** Complete**Escalation:** No**Cover Page Comments:**

Scope of work :

- Cast in place Concrete, CMU Walls & CMU Columns

Specs :

-

Notes :

- All Bars are Shall confirm ASTM A615 / Gr 60.
- CMU Walls Verticals Lift Height as 4'-0".

Drawing References:

ARch & Struc

Structural Dwgs : S1.1 to S5.3 (12 Sheets)_DT. ###

Architectural Dwgs : A1.0 to A7.0 (38 Sheets)_DT. ###

Civil Dwgs : SP1.0 - SP3.0 (13 Sheets)_DT. ####

Segment Summary

Segment	Rebar Wgt	Plain Wgt	Misc. Wgt	Total (Lbs)	Costing
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Included Segments:

BUILDING FOUNDATION	9,901	0	0	9,901	No
FOOTINGS	9,060	0	0	9,060	No
SLAB ON GRADE	841	0	0	841	No
BUILDING #2	28,725	0	0	28,725	No
MASONRY WALLS	24,910	0	0	24,910	No
SITE MASONRY WALLS	3,815	0	0	3,815	No

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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	Spccg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
1	GI	Segment: BUILDING FOUNDATION Sub-Segment: FOOTINGS																	
2	MT	FOOTING - F1 (5' X 5' X 1' DP)																	
3	TR	BF	PFTG	60	10			7	16/5	S	4-06							329	5 - #5 BOT EW
4	MT	FOOTING - F2 (6' X 6' X 2' DP)																	
5	TR	BF	PFTG	60	24			8	22/7	S	5-06							2,158	6 - #7 T&B EW
6	TR	BF	PFTG	60	4			1	16/5	S	1-06	1-07	1-06	1-07	1-06			32	#5 @48"
7	MT	FOOTING - F3 (8' X 8' X 2' DP)																	
8	TR	BF	PFTG	60	32			3	22/7	S	7-06							1,472	8 - #7 T&B EW
9	TR	BF	PFTG	60	6			1	16/5	S	1-06	1-07	1-06	1-07	1-06			48	#5 @48"
10	TI	Pcs	PFTG	95				1	3" IHC									0	3" HIGH IHC W/
11	MT	GRADE BEAM (1'4" X 2' DP)																	
12	TR	LS	GBMS	60	3			1	16/5	S	348-07				1	2-01	30-00	1,169	3 - #5 TOP CONT
13	TR	LS	GBMS	60	3			1	16/5	S	348-07				1	1-07	30-00	1,150	3 - #5 BOT CONT
14	TR	LS	GBMS	60	2			1	13/4	S	348-07				1	1-07	30-00	491	1 - #4 EACH
15	TR	TA	GBMS	60		348-07	1-04	1	10/3	L	1-04	2-00		0-012	0			627	#3 @16" TIES
16	TR	BF	GBMS	60		348-07	1-04	1	10/3	S	1-00	3-00						395	#3 @16" SLAB
17	TR	BF	GBMS	60	2			1	16/5	S	114-00							238	1 #5 T&B CONT
18	TR	BF	GBMS	60	1			1	13/4	S	114-00							76	1 #4 CONT @
19	TR	BF	GBMS	60		114-08	1-04	1	10/3	L	2-00	1-08	2-00					185	#3 @16" TIES
20	TI	Pcs	174				1	CONC. DOBBIES									0		
21	MT	CONC.PIER (1'-4" X 1'-4") (SEC 6/S3) @ FTG - F1																	
22	TR	BF	COL	60	4			7	19/6	H	2-07	S90						151	4 - #6 VERT
23	TR	TA	COL	60		1-10	0-08	7	10/3	L	1-04	1-04		0-012	3			92	#3 @8" TIES
24	MT	CONC.PIER (1'-4" X 1'-4") (SEC 6/S3) @ FTG - F2																	
25	TR	BF	COL	60	4			8	19/6	H	3-07	S90						220	4 - #6 VERT
26	TR	TA	COL	60		1-10	0-08	8	10/3	L	1-04	1-04		0-012	3			105	#3 @8" TIES
27	MT	CONC.PIER (1'-4" X 1'-4") (SEC 6/S3) @ FTG - F3																	
28	TR	BF	COL	60	4			3	19/6	H	3-07	S90						83	4 - #6 VERT
29	TR	TA	COL	60		1-10	0-08	3	10/3	L	1-04	1-04		0-012	3			39	#3 @8" TIES
30	GI	Segment: BUILDING FOUNDATION Sub-Segment: SLAB ON GRADE																	
31	MT	6" SLAB ON GRADE (SEC 10 & 11/S3)																	
32	TR	BF	SOG	60		9-042	1-04	1	13/4	S	20-08							124	#4 @16" MID LW
33	TR	BF	SOG	60		20-08	1-04	1	13/4	S	9-042							106	#4 @16" BOT SW
34	TR	BF	SOG	60		53-04	1-00	1	13/4	S	2-00	1-032	2-00					195	#4 @12" SLAB
35	TR	LS	SOG	60	2			1	13/4	S	53-04				1		30-00	71	1 - #4 T&B CONT
36	TR	BF	SOG	60	2			4	13/4	S	2-00	2-00						21	2- #4 CORNER
37	TI	Pcs	20				1	2 1/2" IHC									0		
38	MT	4" THK SLAB ON GRADE																	
39	TI	SqFt	SOG	2984				1	WWF 61.4							15.900%		0	MESH
40	TR	BF	SOG	60	18			1	19/6	S	5-00	2-00	5-00					324	HAIRPIN BARS
41	TI	SqFt	2984				1	10 MIL VBSOG									0	VAPOUR BARRIER	
42	TI	Pcs	210				1	2" HC									0	HIGH CHAIR	
43	MT	5" THK SLAB ON GRADE																	
44	TI	SqFt	SOG	3266				1	WWF 62.9							15.900%		0	MESH
45	TI	SqFt	3266				1	10 MIL VBSOG									0	VAPOUR BARRIER	
46	TI	Pcs	240				1	2" HC									0	HIGH CHAIR	
47	MT	6" THK EXTERIOR SLAB ON GRADE																	
48	TI	SqFt	SOG	1221				1	WWF 62.9							15.900%		0	MESH
49	TI	Pcs	90				1	3" IHC									0	HIGH CHAIR	
50	MT	4" THK CONC. SIDEWALK																	
51	TI	SqFt	SOG	610				1	WWF 61.4							15.900%		0	MESH
52	TI	Pcs	90				1	2" IHC									0	HIGH CHAIR	
53	GI	Segment: BUILDING #2 Sub-Segment: MASONRY WALLS																	
54	MT	8" CMU WALLS - MW2																	
55	TR	BF	FDN	60	98			1	16/5	H	0-10	0-09	2-08					435	#5 @16" DWLS
56	TR	BF	WALL	60	98			4	16/5	S	4-00	2-08						2,726	#5 @16" VERT EF
57	TR	BF	WALL	60	98			1	16/5	S	6-02							630	#5 @16" VERT EF
58	TR	LS	WALL	60	2			2	16/5	S	60-00				1	2-04	20-00	280	2 - #5 BOND
59	TR	BF	WALL	60	2			2	16/5	H	2-04	2-04						19	CORNER BAR
60	MT	8" CMU WALLS - MW2																	
61	TR	BF	FDN	60	66			1	16/5	H	0-10	0-09	2-08					293	#5 @16" DWLS
62	TR	BF	WALL	60	66			3	16/5	S	4-00	2-08						1,377	#5 @16" VERT EF

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Line	Mat	Func	Placing	Grd	Qty	Span	Spog	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
64	TR	LS	WALL	60	2			2	16/5	S	40-00				1	2-04	20-00	177	2 - #5 BOND
65	TR	BF	WALL	60	2			2	16/5	H	2-04	2-04						19	CORNER BAR
66	MT	8" CMU WALLS - MW2																	
67	TR	BF	FDN	60	52			1	16/5	H	0-10	0-09	2-08					231	#5 @16" DWLS
68	TR	BF	WALL	60	52			4	16/5	S	4-00	2-08						1,446	#5 @16" VERT EF
69	TR	BF	WALL	60	52			1	16/5	S	6-02							335	#5 @16" VERT EF
70	TR	LS	WALL	60	2			2	16/5	S	29-05				1	2-04	20-00	132	2 - #5 BOND
71	TR	BF	WALL	60	2			2	16/5	H	2-04	2-04						19	CORNER BAR
72	MT	8" CMU WALLS - MW2																	
73	TR	BF	FDN	60	21			2	16/5	H	0-10	1-09	2-08					230	#5 @16" DWLS
74	TR	BF	FDN	60	22			2	16/5	H	0-10	1-09	2-08					241	#5 @16" DWLS
75	TR	BF	WALL	60	21			8	16/5	S	4-00	2-08						1,168	#5 @16" VERT EF
76	TR	BF	WALL	60	21			2	16/5	S	6-02							270	#5 @16" VERT EF
77	TR	BF	WALL	60	22			2	16/5	S	19-01							876	#5 @16" VERT EF
78	TR	LS	WALL	60	2			4	16/5	S	24-08				1	2-04	20-00	225	2 - #5 BOND
79	TR	BF	WALL	60	2			2	16/5	H	2-04	2-04						19	CORNER BAR
80	MT	8" CMU WALLS - MW2																	
81	TR	BF	FDN	60	212			1	16/5	H	0-10	0-09	2-08					940	#5 @16" DWLS
82	TR	BF	WALL	60	102			4	16/5	S	4-00	2-08						2,837	#5 @16" VERT EF
83	TR	BF	WALL	60	102			1	16/5	S	6-00							638	#5 @16" VERT EF
84	TR	BF	WALL	60	88			2	16/5	S	4-00	2-08						1,224	#5 @16" VERT EF
85	TR	BF	WALL	60	88			1	16/5	S	8-00							734	#5 @16" VERT EF
86	TR	BF	WALL	60	24			1	16/5	S	1-06	6-06						200	#5 @16" VERT EF
87	TR	LS	WALL	60	2			2	16/5	S	137-04				1	2-04	20-00	641	2 - #5 BOND
88	TR	LS	WALL	60	2			1	16/5	S	16-07			4-00	1	2-04	20-00	43	2 - #5 LINTEL
89	TR	BF	WALL	60	2			2	16/5	H	2-04	2-04						19	CORNER BAR
90	MT	8" CMU WALLS - MW2																	
91	TR	BF	FDN	60	38			1	16/5	H	0-10	0-09	2-08					169	#5 @16" DWLS
92	TR	BF	WALL	60	16			3	16/5	S	4-00	2-08						334	#5 @16" VERT EF
93	TR	BF	WALL	60	22			1	16/5	S	5-00							115	#5 @16" VERT EF
94	TR	BF	WALL	60	22			1	16/5	S	5-09							132	#5 @16" VERT EF
95	TR	LS	WALL	60	2			1	16/5	S	14-09				1	2-04	20-00	31	2 - #5 LINTEL
96	TR	LS	WALL	60	2			2	16/5	S	14-09				1	2-04	20-00	62	2 - #5 BOND
97	TR	BF	WALL	60	2			1	16/5	H	2-04	2-04						10	CORNER BAR
98	MT	8" CMU WALLS - MW2																	
99	TR	BF	FDN	60	28			1	16/5	H	0-10	0-09	2-08					124	#5 @16" DWLS
100	TR	BF	WALL	60	28			2	16/5	S	4-00	2-08						389	#5 @16" VERT EF
101	TR	BF	WALL	60	28			1	16/5	S	7-04							214	#5 @16" VERT EF
102	TR	LS	WALL	60	2			1	16/5	S	14-09				1	2-04	20-00	31	2 - #5 BOND
103	TR	BF	WALL	60	2			2	16/5	H	2-04	2-04						19	CORNER BAR
104	MT	8" CMU WALLS - MW1																	
105	TR	BF	FDN	60	39			1	16/5	H	0-10	0-09	2-08					173	#5 @48" DWLS
106	TR	BF	WALL	60	32			3	16/5	S	4-00	2-08						668	#5 @48" VERT
107	TR	BF	WALL	60	32			1	16/5	S	6-00							200	#5 @48" VERT
108	TR	BF	WALL	60	7			1	16/5	S	4-00	2-08						49	#5 @48" VERT
109	TR	BF	WALL	60	7			1	16/5	S	7-00							51	#5 @48" VERT
110	TR	LS	WALL	60	2			1	16/5	S	104-07				1	2-04	20-00	242	2 - #5 BOND
111	TR	BF	WALL	60	2			1	16/5	S	12-07	2-00	2-00					35	2-#5 @ LINTEL
112	TR	BF	WALL	60	2			1	16/5	S	12-00	2-00	2-00					33	2-#5 @ LINTEL
113	TR	BF	WALL	60	2			2	16/5	H	2-04	2-04						19	CORNER BAR
114	MT	8" CMU WALLS - MW1																	
115	TR	BF	FDN	60	7			1	16/5	H	0-10	0-09	2-08					31	#5 @48" DWLS
116	TR	BF	WALL	60	7			3	16/5	S	4-00	2-08						146	#5 @48" VERT
117	TR	BF	WALL	60	7			1	16/5	S	8-00							58	#5 @48" VERT
118	TR	LS	WALL	60	2			1	16/5	S	14-06				1	2-04	20-00	30	2 - #5 BOND
119	TR	BF	WALL	60	2			2	16/5	H	2-04	2-04						19	CORNER BAR
120	MT	8" CMU WALLS - MW1																	
121	TR	BF	FDN	60	13			1	16/5	H	0-10	0-09	2-08					58	#5 @48" DWLS
122	TR	BF	WALL	60	10			3	16/5	S	4-00	2-08						209	#5 @48" VERT
123	TR	BF	WALL	60	10			1	16/5	S	5-06							57	#5 @48" VERT
124	TR	BF	WALL	60	4			1	16/5	S	4-00	2-08						28	#5 @48" VERT
125	TR	BF	WALL	60	4			1	16/5	S	6-06							27	#5 @48" 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
127	TR	BF	WALL	60	2			1	16/5	H	2-04	2-04						10	CORNER BAR
128	MT	8" CMU WALLS - MW3																	
129	TR	BF	FDN	60	20			1	16/5	H	0-10	0-09	2-08					89	#5 @48" DWLS
130	TR	BF	WALL	60	20			3	16/5	S	4-00	2-08						417	#5 @48" VERT
131	TR	BF	WALL	60	20			1	16/5	S	5-06							115	#5 @48" VERT
132	TR	LS	WALL	60	2			1	16/5	S	4-06				1	2-04	20-00	9	2 - #5 BOND
133	TR	BF	WALL	60	2			2	16/5	H	2-04	2-04						19	CORNER BAR
134	MT	8" CMU WALLS - MW4																	
135	TR	BF	FDN	60	12			2	16/5	H	0-10	0-09	2-08					106	#5 @48" DWLS
136	TR	BF	WALL	60	12			6	16/5	S	4-00	2-08						501	#5 @48" VERT
137	TR	BF	WALL	60	12			2	16/5	S	5-06							138	#5 @48" VERT
138	TR	LS	WALL	60	2			2	16/5	S	2-09				1	2-04	20-00	11	2 - #5 BOND
139	TR	BF	WALL	60	2			2	16/5	H	2-04	2-04						19	CORNER BAR
140	MT	MASONRY COLUMN (24" X 24")																	
141	TR	BF	FDN	60	8			1	16/5	H	1-03	0-10	2-08					40	8 - #5 DWLS
142	TR	BF	COL	60	8			4	16/5	S	4-00	2-08						223	8 - #5 VERT
143	TR	BF	COL	60	8			1	16/5	S	5-06							46	8 - #5 VERT
144	TR	TA	COL	60		21-06	8-00	1	10/3	L	2-00	2-00		0-012	3			20	#3 @8" TIES
145	MT	MASONRY COLUMN (24" X 24")																	
146	TR	BF	FDN	60	8			1	19/6	H	1-03	1-00	2-08					59	8 - #5 DWLS
147	TR	BF	COL	60	8			4	19/6	S	4-00	2-10						328	8 - #5 VERT
148	TR	BF	COL	60	8			1	19/6	S	5-06							66	8 - #5 VERT
149	TR	TA	COL	60		21-06	8-00	1	10/3	L	2-00	2-00		0-012	3			20	#3 @8" TIES
150	GI	Segment: BUILDING #2 Sub-Segment: SITE MASONRY WALLS																	
151	MT	8" CMU SCREEN WALLS																	
152	TR	BF	FDN	60		96-00	4-00	1	16/5	H	0-10	0-09	6-00					198	#5 @48" D/V
153	TR	LS	WALL	60	2			2	16/5	S	96-00				1	2-04	20-00	449	2 - #5 BOND
154	MT	8" CMU WALLS @ DUMPSTER ENCLOSER																	
155	TR	BF	FDN	60		34-02	4-00	1	16/5	H	0-10	0-09	6-00					79	#5 @48" D/V
156	TR	LS	WALL	60	2			2	16/5	S	34-02				1	2-04	20-00	152	2 - #5 BOND
157	MT	8" CMU RETAINING WALLS																	
158	TR	BF	FDN	60		405-09	4-00	1	16/5	H	0-10	0-09	8-00					1,030	#5 @48" D/V
159	TR	LS	WALL	60	2			2	16/5	S	405-09				1	2-04	20-00	1,907	2 - #5 BOND

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Estimate Totals

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

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

10/3	1,483	395	0	1,088	0
13/4	1,084	1,084	0	0	597
16/5	31,198	26,521	4,677	0	6,202
19/6	1,231	718	513	0	0
22/7	3,630	3,630	0	0	0
	<u>38,626</u>	<u>32,348</u>	<u>5,190</u>	<u>1,088</u>	<u>6,799</u>

15498 - SAMPLE ESTIMATION**Estimate Totals******** Miscellaneous Item Summary ********Comments, Etc**

10 MIL VBSOG	10 MIL VAPOUR BARRIER	6,250.000	SqFt	=	6,250.000	SqFt	@	0.000	/	SqFt	= \$	0.00	0 Lbs
2 1/2" IHC	2 1/2" IHC W/ SAND PLATES	20.000	Pcs	=	20.000	Pcs	@	0.000	/	Pcs	= \$	0.00	0 Lbs
2" HC	2" HIGH CHAIR	450.000	Pcs	=	450.000	Pcs	@	0.000	/	Pcs	= \$	0.00	0 Lbs
2" IHC	2" IHC W/ SANDPLATES	90.000	Pcs	=	90.000	Pcs	@	0.000	/	Pcs	= \$	0.00	0 Lbs
3" IHC	3" HIGH IHC W/ SAND PLATES	185.000	Pcs	=	185.000	Pcs	@	0.000	/	Pcs	= \$	0.00	0 Lbs
CONC. DOBBIES	2" X 2" X 3" CONC. DOBBIES	174.000	Pcs	=	174.000	Pcs	@	0.000	/	Pcs	= \$	0.00	0 Lbs
Subtotal											= \$	0.00	0 Lbs
** Undefined Item Class - 'MESH' **													
WWF 61.4	6 X 6 - W1.4 X W1.4 WWF	4,165.446	SqFt	=	4,166.000	SqFt	@	0.000	/	SqFt	= \$	0.00	0 Lbs
WWF 62.9	6 X 6 - W2.9 X W2.9	5,200.433	SqFt	=	5,202.000	SqFt	@	0.000	/	SqFt	= \$	0.00	0 Lbs
Subtotal											= \$	0.00	0 Lbs
Grand Total											= \$	0.00	0 Lbs