

INT- 137 - CONGOLEUM

Project Name: CONGOLEUM
 TRAINER, PA PLANT
 Marcus Hook, PA 19061 USA



Architect: -
Engineer: JAVAN ENGINEERING
Customer: EASTERN CONSTRUCTION

Job Type: Lump Sum

Estimator: admin
Creation Date: 11/15/2022
Last Modified: 11/16/2022
Status: Complete

Escalation: No

Segment Summary

Segment	Rebar Wgt	Plain Wgt	Misc. Wgt	Total (Lbs)	Costing
Included Segments:					
BUILDING	34,149	0	0	34,149	No
WALL FOOTING	8,526	0	0	8,526	No
CONCRETE WALL	14,906	0	0	14,906	No
SLAB ON GRADE	10,717	0	0	10,717	No

INT- 137 - CONGOLEUM**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: 48D
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	GI	Segment: BUILDING Sub-Segment: WALL FOOTING																	
2	MT	NON HAZARDOUS STORAGE BUILDING - REF: S101																	
3	MT	3'-3"X1'-2" DP WALL FOOTING (32 LFT) (REF:D/S301)																	
4	TR	BF		60	5			2	19/6	S	36-08							551	#6 @12" LW. T&B
5	TR	BF		60	33			2	19/6	S	3-03							322	#6 @12" SW. T&B
6	TR	BF		60	9			1	13/4	H	6-10							41	#4 @48" STANDEES
7	MT	2'-0"X1'-2" DP WALL FOOTING (76 LFT) (REF:C/S304 & D/S303)																	
8	TR	BF		60	3			1	16/5	S	82-00							257	3-#5 CONT. @B
9	TR	BF		60	3			4	16/5	H	6-00							75	3-#5 COR. @B
10	TR	BF		60	77			1	16/5	S	2-00							161	#5 @10" TRANS. @B
11	MT	4'-10"X1'-2" WALL FOOTING (32 LFT) (REF:E/S303)																	
12	TR	BF		60	6			1	19/6	S	36-08							330	#6 @12" LW. @T
13	TR	BF		60	6			1	19/6	S	35-07							321	#6 @12" SW. @T
14	TR	BF		60	33			2	19/6	S	4-10							479	#6 @12" TRANS. T&B
15	TR	BF		60	11			1	13/4	H	6-10							50	#4 @48" STANDEES
16	MT	SALT STORAGE/STORAGE BUILDING - REF: S101																	
17	MT	WALL FOOTING																	
18	MT	2'-0"X1'-2" DP WALL FOOTING (71 LFT) (REF:C/S304 & D/S303)																	
19	TR	BF		60	3			1	16/5	S	83-00							260	3-#5 CONT. @B
20	TR	BF		60	3			2	16/5	H	6-00							38	3-#5 COR. @B
21	TR	BF		60	72			1	16/5	S	2-00							150	#5 @10" TRANS. @B
22	MT	4'-10"X1'-2" WALL FOOTING (32 LFT) (REF:E/S303)																	
23	TR	BF		60	6			1	19/6	S	36-08							330	#6 @12" LW. @T
24	TR	BF		60	6			1	19/6	S	35-07							321	#6 @12" SW. @T
25	TR	BF		60	33			2	19/6	S	4-10							479	#6 @12" TRANS. T&B
26	TR	BF		60	11			1	13/4	H	6-10							50	#4 @48" STANDEES
27	MT	8'-6"X1'-2" WALL FOOTING (33 LFT) (REF:C/S303)																	
28	TR	BF		60	10			1	19/6	S	37-08							566	#6 @12" LW. @T
29	TR	BF		60	10			1	19/6	S	36-07							550	#6 @12" LW. @B
30	TR	BF		60	34			2	19/6	S	8-06							868	#6 @12" TRANS. T&B
31	TR	BF		60	19			1	13/4	L	6-10							87	#4 @48" STANDEES
32	MT	4'-0"X1'-2" WALL FOOTING (68 LFT) (REF:A&B/S303)																	
33	TR	BF		60	5			1	19/6	S	77-04							581	#6 @12" LW. @T
34	TR	BF		60	5			1	19/6	S	75-02							565	#6 @12" LW. @B
35	TR	BF		60	69			2	19/6	S	4-00							829	#6 @12" TRANS. T&B
36	TR	BF		60	18			1	13/4	H	6-10							82	#4 @48" STANDEES
37	MT	TRASH COMPACTOR - REF: S102																	
38	MT	WALL FOOTING																	
39	MT	2'-0"X1'-0" WALL FOOTING (22LFT) (REF:A/S302)																	
40	TR	BF		60	4			1	16/5	S	22-00							92	4-#5 CONT. @B
41	TR	BF		60	31			1	19/6	S	2-00							93	#6 @9" TRANS. @B
42	GI	Segment: BUILDING Sub-Segment: CONCRETE WALL																	
43	MT	NON HAZARDOUS STORAGE BUILDING - REF: S101																	
44	MT	CONCRETE WALL																	
45	MT	1'-1" THK CONCRETE WALL (31 LFT) (REF:D/S301)																	
46	TR	BF		60	32			2	16/5	H	5-00							334	#5 @12" DWLS. EF
47	TR	BF		60	32			2	16/5	S	8-01							540	#5 @12" VERT. EF
48	TR	BF		60	10			2	16/5	S	35-00							730	#4 @12" HOR. EF
49	TR	BF		60	17			1	13/4	L	1-10							21	#4 WALL SPREADER
50	MT	1'-0" THK CONCRETE WALL (58 LFT) (REF:B/S304 & D/S303)																	
51	TR	BF		60	40			2	13/4	H	4-03							227	#4 @18" DWLS. EF
52	TR	BF		60	40			2	13/4	S	8-01							432	#4 @18" VERT. EF
53	TR	BF		60	7			2	13/4	S	61-02							572	#4 @18" HOR. EF
54	TR	BF		60	7			8	13/4	L	6-02							231	#4 @18" COR. EF
55	TR	BF		60	31			1	13/4	L	1-09							36	#4 WALL SPREADER
56	MT	1'-0" THK CONCRETE WALL (16 LFT) (REF:C/S304)																	
57	TR	BF		60	12			2	13/4	H	4-01							65	#4 @18" D/V. EF
58	TR	BF		60	3			2	13/4	S	16-00							64	#4 @18" HOR. EF
59	TR	BF		60	4			1	13/4	S	2-00							5	1-#4 DIAG. BAR
60	TR	BF		60	4			1	13/4	L	1-09							5	#4 WALL SPREADER
61	MT	1'-1" THK CONCRETE WALL (31 LFT) (REF:E/S303)																	

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
62	TR	BF		60	32			2	16/5	H	5-00							334	#5 @12" DWLS. EF
63	TR	BF		60	32			2	16/5	S	10-01							673	#5 @12" VERT. EF
64	TR	BF		60	12			2	13/4	S	34-01							546	#4 @12" HOR. EF
65	TR	BF		60	21			1	13/4	L	1-10							26	#4 WALL SPREADER
66	MT	SALT STORAGE/STORAGE BUILDING - REF: S101																	
67	MT	CONCRETE WALL																	
68	MT	1'-0" THK CONCRETE WALL (58 LFT) (REF:B/S304 & D/S303)																	
69	TR	BF		60	40			2	13/4	H	4-03							227	#4 @18" DWLS. EF
70	TR	BF		60	40			2	13/4	S	8-01							432	#4 @18" VERT. EF
71	TR	BF		60	7			2	13/4	S	61-02							572	#4 @18" HOR. EF
72	TR	BF		60	7			8	13/4	H	6-02							231	#4 @18" COR. EF
73	TR	BF		60	31			1	13/4	L	1-09							36	#4 WALL SPREADER
74	MT	1'-0" THK CONCRETE WALL (16 LFT) (REF:C/S304)																	
75	TR	BF		60	12			2	13/4	H	4-01							65	#4 @18" D/V. EF
76	TR	BF		60	3			2	13/4	S	16-00							64	#4 @18" HOR. EF
77	TR	BF		60	4			1	13/4	S	2-00							5	1-#4 DIAG. BAR
78	TR	BF		60	4			1	13/4	L	1-09							5	#4 WALL SPREADER
79	MT	1'-1" THK CONCRETE WALL (31 LFT) (REF:E/S303)																	
80	TR	BF		60	32			2	16/5	H	5-00							334	#5 @12" DWLS. EF
81	TR	BF		60	32			2	16/5	S	10-01							673	#5 @12" VERT. EF
82	TR	BF		60	12			2	13/4	S	35-01							562	#4 @12" HOR. EF
83	TR	BF		60	21			1	13/4	L	1-10							26	#4 WALL SPREADER
84	MT	CONCRETE WALL																	
85	MT	1'-1" THK CONCRETE WALL (67 LFT) (REF:C/S303)																	
86	TR	BF		60	68			2	16/5	H	5-00							709	#5 @12" DWLS.EF
87	TR	BF		60	68			2	16/5	S	8-01							1,147	#5 @12" VERT.EF
88	TR	BF		60	10			2	13/4	S	75-00							1,002	#4 @12" HOR. EF
89	TR	BF		60	10			2	13/4	L	6-02							82	#4 @12" COR. EF
90	TR	BF		60	35			1	13/4	L	1-10							43	#4 WALL SPREADER
91	MT	1'-1" THK CONCRETE WALL (67 LFT) (REF:A&B/S303)																	
92	TR	BF		60	68			2	16/5	H	5-00							709	#5 @12" DWLS. EF
93	TR	BF		60	68			2	16/5	S	8-01							1,147	#5 @12" VERT.EF
94	TR	BF		60	10			2	13/4	S	73-02							977	#4 @12" HOR. EF
95	TR	BF		60	10			4	13/4	H	6-02							165	#4 @12" COR. EF
96	TR	BF		60	35			1	13/4	L	1-10							43	#4 WALL SPREADER
97	MT	TRASH COMPACTOR - REF: S102																	
98	MT	8" THK FOUNDATION WALL (22LFT) (REF:A/S302)																	
99	TR	BF		60	34			1	16/5	H	4-10							171	#5 @8" DWLS
100	TR	BF		60	34			1	16/5	S	5-06							195	#5 @8" VERT
101	TR	BF		60	10			1	16/5	S	22-00							229	#5 @8" HOR
102	TR	BF		60	34			1	16/5	S	6-00							213	#5 @8" SLAB DWLS
103	GI	Segment: BUILDING Sub-Segment: SLAB ON GRADE																	
104	MT	8" THK SLAB ON GRADE (940 SQ.FT)																	
105	TR	BF		60	105			1	16/5	S	30-00							3,285	#5 @8" MID EW
106	MT	TURNDOWN REF: A&B/S302																	
107	MT	8" THK TURNDOWN (140 LFT) (REF:A&B/S302)																	
108	TR	BF		60	6			1	16/5	S	152-00							951	#5 @8" CONT
109	TR	BF		60	6			8	16/5	H	6-00							300	#5 @8" COR
110	TR	BF		60	211			1	16/5	H	4-00							880	#5 @8" DWLS
111	MT	8" THK TURNDOWN (22 LFT) (REF:A/S302)																	
112	TR	BF		60	4			1	16/5	S	22-00							92	#5 @8" CONT
113	TR	BF		60	34			1	16/5	H	3-00							106	#5 @8" DWLS
114	MT	HAZARDOUS STORAGE BUILDING - REF: S102																	
115	MT	SLAB ON GRADE																	
116	MT	6" THK SLAB ON GRADE (1195 SQ.FT)																	
117	TR	BF		60	90			1	13/4	S	30-00							1,804	#4 @12" MID EW
118	MT	TURN DOWN (REF:A/S304 & B/S301)																	
119	MT	12" THK TURNDOWN (68 LFT)																	
120	TR	BF		60	4			1	13/4	S	72-10							195	4-#4 CONT
121	TR	BF		60	4			3	13/4	L	5-00							40	4-#4 COR
122	TR	BF		60	69			1	13/4	H	8-00							369	#4 @12" DWLS

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Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
123	TR	BF		60	6			1	13/4	S	72-10							292	#4 @12" CONT
124	TR	BF		60	6			3	13/4	L	5-00							60	#4 @12" COR
125	TR	BF		60	69			1	13/4	L	7-09							357	#4 @12" DWLS
126	MT	12" THK TURNDOWN (68 LFT)																	
127	TR	BF		60	3			1	13/4	S	72-10							146	3-#4 CONT
128	TR	BF		60	3			1	13/4	H	5-00							10	3-#4 COR
129	TR	BF		60	69			1	13/4	L	6-00							277	#4 @12" DWLS
130	TR	BF		60	5			1	13/4	S	72-10							243	#4 @12" CONT
131	TR	BF		60	5			1	13/4	H	5-00							17	#4 @12" COR
132	TR	BF		60	69			1	13/4	H	6-06							300	#4 @12" DWLS
133	MT	6" THK TURNDOWN @RAMP (21 LFT)																	
134	TR	BF		60	4			1	13/4	S	21-00							56	#4 @12" CONT
135	TR	BF		60	4			4	13/4	H	5-00							53	#4 @12" COR
136	TR	BF		60	22			1	13/4	L	5-06							81	#4 @12" DWLS
137	TR	BF		60	12			1	13/4	L	11-00							88	#4 @12" SLAB DWLS
138	MT	TRENCH DRAIN (18 LFT) (REF:A/500)																	
139	TR	BF		60	4			1	13/4	S	18-00							48	4-#4 CONT
140	TR	BF		60	19			1	13/4	H	12-08							161	#4 @12" TRANS
141	TR	BF		60	3			2	13/4	S	18-00							72	3-#4 CONT. ES
142	MT	TRENCH DRAIN (4 LFT) (REF:B/500)																	
143	TR	BF		60	4			1	13/4	S	4-00							11	4-#4 CONT
144	TR	BF		60	5			1	13/4	H	14-04							48	#4 @12" TRANS
145	TR	BF		60	3			2	13/4	L	4-00							16	3-#4 CONT. ES
146	MT	CONCRETE CURB - REF:B/S301																	
147	MT	6" THK CURB (136 LFT)																	
148	TR	BF		60	1			1	13/4	S	146-00							98	1-#4 CONT. @TOP
149	TR	BF		60	1			4	13/4	H	5-00							13	1-#4 COR. @TOP
150	TR	BF		60	140			1	13/4	S	2-08							249	#4 @12" DWLS

Rebar Sub-Segment Summary

Segment: BUILDING

Sub-Segment: WALL FOOTING

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

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

13/4	310	0	223	87	0
16/5	1,033	920	113	0	517
19/6	7,183	7,183	0	0	1,144
	<u>8,526</u>	<u>8,103</u>	<u>336</u>	<u>87</u>	<u>1,661</u>

Sub-Segment: CONCRETE WALL

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

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

13/4	6,768	5,234	980	554	3,124
16/5	8,138	5,547	2,591	0	0
	<u>14,906</u>	<u>10,781</u>	<u>3,571</u>	<u>554</u>	<u>3,124</u>

Sub-Segment: SLAB ON GRADE

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

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

13/4	5,103	3,213	971	919	973
16/5	5,614	4,328	1,286	0	951
	<u>10,717</u>	<u>7,541</u>	<u>2,257</u>	<u>919</u>	<u>1,924</u>

Total for Segment: BUILDING

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

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

13/4	12,181	8,447	2,174	1,560	4,097
16/5	14,785	10,795	3,990	0	1,468
19/6	7,183	7,183	0	0	1,144
	<u>34,149</u>	<u>26,425</u>	<u>6,164</u>	<u>1,560</u>	<u>6,709</u>

Estimate Totals

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

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
13/4	12,181	8,447	2,174	1,560	4,097
16/5	14,785	10,795	3,990	0	1,468
19/6	7,183	7,183	0	0	1,144
	<u>34,149</u>	<u>26,425</u>	<u>6,164</u>	<u>1,560</u>	<u>6,709</u>