

INT-01 - 96-98 WEST FRONT STREET

Project Name: 96-98 WEST FRONT STREET
 MONMOUTH COUNTY
 Red Bank, NJ 07701 USA



Architect: MICHAEL JAMES MONROE ARCHITECT
Engineer:
Customer: SSD

Job Type: Lump Sum

Estimator: admin
Creation Date: 7/13/2022
Last Modified: 7/14/2022
Status: Complete

Escalation: No

Cover Page Comments:

ESTIMATING NOTES:

1. SPECIFICATIONS: GENERAL NOTES
2. ADDENDUMS: NONE
3. ALTERNATES: NONE
4. MATERIALS:
 - REINFORCING STEEL TO BE (ASTM A615, GR. 60)
 - REINFORCING STEEL TO BE WELDED (ASTM A706, GR. 60)
 - WELDED WIRE FABRIC (ASTM A1064, GR.80)
5. SCOPE OF WORK INCLUSIONS:
 - * FOUNDATION - RETAINING WALL FOOTING, RETAINING WALL, GRADE BEAM, MAT FOOTING, CONCRETE WALL, PILE CAP & CONCRETE COLUMN.
6. SPECIFIC EXCLUSIONS:
 - SMOOTH DOWELS.
 - WELDED BARS AND ALL WELDING.
 - PRECAST ELEMENTS.
7. SPECIFIC ASSUMPTIONS:
 - WE ASSUMED PILE CAP REINFORCEMENT AS #6 @8" EW. T&B.
 - WE HAVE FOLLOWED S-8 DRAWING SHEET FOR SECTIONS INSTEAD OF S-2 DRAWING SHEETS.
 - WE ASSUMED CONCRETE COLUMN LOCATIONS. (Ref. S-1).
 - WE ASSUMED COLUMN REINFORCEMENT AS 4-#8 VERT. & #3 TIES @16" O.C.
8. NOTES:
 - WE HAVE USED LAP AS PER THE ACI STANDARDS.
 - WE HAVE FOLLOWED #3 & ABOVE REINFORCEMENT 30' STOCK.

Drawing References:

- BID SET:
 FOUNDATION
 1. STRUCTURAL DWGS: T1 & S-0 TO S-9 (5 SHEETS) DATED 05/10/22.

INT-01 - 96-98 WEST FRONT STREET

Segment Summary					
Segment	Rebar Wgt	Plain Wgt	Misc. Wgt	Total (Lbs)	Costing
Included Segments:					
FOUNDATION	83,519	0	0	83,519	No
RETAINING WALL FOOTING	5,667	0	0	5,667	No
RETAINING WALL	5,046	0	0	5,046	No
GRADE BEAM	8,484	0	0	8,484	No
MAT FOOTING	665	0	0	665	No
CONCRETE WALL	34,099	0	0	34,099	No
PILE CAP	26,975	0	0	26,975	No
CONCRETE COLUMN	2,583	0	0	2,583	No

INT-01 - 96-98 WEST FRONT STREET**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	

INT-01 - 96-98 WEST FRONT STREET

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
1	GI	Segment: FOUNDATION Sub-Segment: RETAINING WALL FOOTING																	
2	MT	CONT. RW FTG REF. 3/S-1 (87 LFT)																	
3	TR	LS		60		7-00	0-08	2	16/5	S	87-00				1	48D	30-00	2,303	#5 @8" CONT. T&B.
4	TR	BF		60		87-00	0-08	2	16/5	H	7-00							1,928	#5 @8" TRANS. T&B.
5	TR	BF		60		87-00	1-04	1	25/8	H	4-00	1-00	1-04					1,133	#8 @16" DWL TO WALL.
6	TR	BF		60		87-00	1-04	1	16/5	H	2-06	1-00	0-10					303	#5 @16" DWL TO WALL.
7	GI	Segment: FOUNDATION Sub-Segment: RETAINING WALL																	
8	MT	12" THK CONCRETE RETAINING WALL REF. 3/S-1 (87 LFT)																	
9	TR	BF		60		87-00	1-04	1	25/8	S	11-06							2,057	#8 @16" VERT. OF.
10	TR	BF		60		87-00	1-04	1	16/5	S	11-06							804	#5@16" VERT. IF.
11	TR	BF		60		11-06	1-04	2	16/5	S	87-00	8-00						1,982	#5 @16" HORIZ. EF.
12	TR	BF		60		87-00	2-00	1	16/5	H	2-06	1-00	0-10					203	#5 @24" DWL.
13	GI	Segment: FOUNDATION Sub-Segment: GRADE BEAM																	
14	MT	GRADE BEAM REF. 7/S-7 (503 LFT)																	
15	TR	LS		60	4			2	16/5	S	503-00				1	48D	30-00	4,573	4-#5 CONT. T&B.
16	TR	TA		60		503-00	2-00	1	10/3	L	3-00	2-04		0-00	0			1,078	#3 @24" STIR.
17	TR	BF		60		503-00	2-00	1	16/5	H	2-06	1-00	0-10					1,144	#5 @24" DWL.
18	TR	LS		60	2			1	16/5	S	503-00				1	48D	30-00	1,143	2-#5 CONT.
19	MT	GRADE BEAM REF. 9/S-7 (19 LFT)																	
20	TR	LS		60	12			2	16/5	S	19-00				1	48D	30-00	476	12-#5 CONT. T&B.
21	TR	TA		60		19-00	2-00	1	10/3	L	5-09	2-04		0-00	0			70	#3 @24" TIES.
22	TI	lft			156		1		BB3.0"									0	total length of beam = 520LFT
23	GI	Segment: FOUNDATION Sub-Segment: MAT FOOTING																	
24	MT	ELEVATOR PIT REF. 11/S-7																	
25	TR	RA		60		1-00	1-00	2	16/5	S	10-101	10-101				48D	30-00	544	#5 @12" EW. T&B.
26	TR	BF		60		28-00	1-00	1	16/5	H	4-00							121	#5 @12" DWL.
27	GI	Segment: FOUNDATION Sub-Segment: CONCRETE WALL																	
28	MT	8" THK ELEVATOR PIT WALL REF. 11/S-8 (28 LFT)																	
29	TR	BF		60		28-00	1-00	1	16/5	S	16-00	5-00						635	#5 @12" VERT.
30	TR	BF		60		16-00	1-00	1	16/5	S	28-00							496	#5 @12" HORIZ.
31	TR	BF		60		16-00	1-00	4	16/5	H	5-00							355	#5 COR.
32	TR	BF		60		28-00	4-00	2	10/3	L	1-06	1-06						18	#3 @48" DWL.
33	MT	12" THK WALL REF. 2,3/S-8 (556 LFT)																	
34	TR	BF		60		556-00	1-04	2	16/5	S	12-00							10,465	#5 @16" VERT. EF.
35	TR	LS		60		12-00	1-04	2	16/5	S	556-00				1	48D	30-00	12,641	#5 @16" HORIZ. EF.
36	TR	BF		60		12-00	1-04	2*49	16/5	H	5-00							5,111	#5 COR.
37	TR	BF		60		556-00	1-04	1	16/5	H	5-00							2,180	#5 @16" SLAB DWL.
38	TR	BF		60	1			1	16/5	S	556-00	45-00						627	1-#5 CONT.
39	MT	8" THK WALL REF. 2,3/S-8 (30 LFT)																	
40	TR	BF		60		30-00	1-04	2	16/5	S	12-00							601	#5 @16" VERT. EF.
41	TR	LS		60		12-00	1-04	2	16/5	S	30-00				1	48D	30-00	626	#5 @16" HORIZ. EF.
42	TR	BF		60		12-00	1-04	2*3	16/5	H	5-00							313	#5 COR.
43	TR	BF		60	1			1	16/5	S	30-00	0-00						31	1-#5 CONT.
44	GI	Segment: FOUNDATION Sub-Segment: PILE CAP																	
45	MT	PILE CAP REF. S-1																	
46	TR	RA		60		0-08	0-08	2	19/6	S	48-00	48-00				48D	30-00	22,368	#6 @8" EW. T&B.
47	TR	BF		60	145			1	13/4	L	2-00	1-08	1-06	1-06	1-08			807	#4 STANDEE
48	TR	BF		60		842-00	0-08	2	19/6	S	1-00							3,800	#6 @8" HOOK BAR.
49	GI	Segment: FOUNDATION Sub-Segment: CONCRETE COLUMN																	
50	MT	CONCRETE COLUMN REF. 9/S-8 (11 EACH)																	
51	TR	CV		60	4			11	25/8	S	12-00					0-00		1,410	4-#8 VERT.
52	TR	TA		60		13-00	1-04	11	10/3	L	1-04	1-04		0-00	0			273	#3 @16" TIES.
53	TR	BF		60	4			11	25/8	H	4-00	2-04	1-04					900	4-#8 DWL.
54	TI	lft			528		1		CB1.5"									0	11 nos of Column.

Rebar Sub-Segment Summary

Segment: FOUNDATION

Sub-Segment: RETAINING WALL FOOTING

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

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

16/5	4,534	2,303	2,231	0	1,502
25/8	1,133	0	1,133	0	0
	<u>5,667</u>	<u>2,303</u>	<u>3,364</u>	<u>0</u>	<u>1,502</u>

Sub-Segment: RETAINING WALL

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

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

16/5	2,989	2,786	203	0	1,982
25/8	2,057	2,057	0	0	0
	<u>5,046</u>	<u>4,843</u>	<u>203</u>	<u>0</u>	<u>1,982</u>

Sub-Segment: GRADE BEAM

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

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

10/3	1,148	0	0	1,148	0
16/5	7,336	6,192	1,144	0	5,632
	<u>8,484</u>	<u>6,192</u>	<u>1,144</u>	<u>1,148</u>	<u>5,632</u>

Sub-Segment: MAT FOOTING

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

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

16/5	665	544	121	0	0
	<u>665</u>	<u>544</u>	<u>121</u>	<u>0</u>	<u>0</u>

Sub-Segment: CONCRETE WALL

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

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

10/3	18	0	0	18	0
16/5	34,081	26,122	7,959	0	13,769
	<u>34,099</u>	<u>26,122</u>	<u>7,959</u>	<u>18</u>	<u>13,769</u>

Rebar Sub-Segment Summary

Segment: FOUNDATION

Sub-Segment: PILE CAP

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

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

13/4	807	0	0	807	0
19/6	26,168	26,168	0	0	13,158
	<u>26,975</u>	<u>26,168</u>	<u>0</u>	<u>807</u>	<u>13,158</u>

Sub-Segment: CONCRETE COLUMN

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

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

10/3	273	0	0	273	0
25/8	2,310	1,410	900	0	0
	<u>2,583</u>	<u>1,410</u>	<u>900</u>	<u>273</u>	<u>0</u>

Total for Segment: FOUNDATION

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

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

10/3	1,439	0	0	1,439	0
13/4	807	0	0	807	0
16/5	49,605	37,947	11,658	0	22,885
19/6	26,168	26,168	0	0	13,158
25/8	5,500	3,467	2,033	0	0
	<u>83,519</u>	<u>67,582</u>	<u>13,691</u>	<u>2,246</u>	<u>36,043</u>

Estimate Totals

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

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
10/3	1,439	0	0	1,439	0
13/4	807	0	0	807	0
16/5	49,605	37,947	11,658	0	22,885
19/6	26,168	26,168	0	0	13,158
25/8	5,500	3,467	2,033	0	0
	<u>83,519</u>	<u>67,582</u>	<u>13,691</u>	<u>2,246</u>	<u>36,043</u>

Estimate Totals

**** Miscellaneous Item Summary ****

** Undefined Item Class - 'beam bolster' **

BB3.0"	3" height Beam bolster	156.000 lft	=	156.000 lft	@	0.000 / lft	= \$	0.00	0 Lbs
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Subtotal							= \$	0.00	0 Lbs
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** Undefined Item Class - 'Col. Bolster' **

CB1.5"	1.5" Column Bolsters	528.000 lft	=	528.000 lft	@	0.000 / lft	= \$	0.00	0 Lbs
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Subtotal							= \$	0.00	0 Lbs
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Grand Total							= \$	0.00	0 Lbs
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