

INT-119 - P220 COMBAT WATER SURVIVAL

Project Name: P220 COMBAT WATER SURVIVAL
MCB CAMP PENDLETON, CA



Architect: RQ CONSTRUCTION, LLC
Engineer: KELSEY STRUCTURAL
Customer: HEAVY METAL

Job Type: Lump Sum

Estimator: admin
Creation Date: 10/11/2022
Last Modified: 10/11/2022
Status: Complete

Escalation: No

Segment Summary

Segment	Rebar Wgt	Plain Wgt	Misc. Wgt	Total (Lbs)	Costing
Included Segments:					
BUILDING	68,636	0	0	68,636	No
PAD FOOTING	83	0	0	83	No
WALL FOOTING	30,229	0	0	30,229	No
MAT FOOTING	5,920	0	0	5,920	No
FOUNDATION WALL	8,247	0	0	8,247	No
SLAB ON GRADE	24,157	0	0	24,157	No
SITE WORK	12,810	0	0	12,810	No
SIDEWALK	6,706	0	0	6,706	No
CONTINUOUS FOOTING	4,080	0	0	4,080	No
SLAB ON GRADE	2,024	0	0	2,024	No

INT-119 - P220 COMBAT WATER SURVIVAL**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: PAD FOOTING																	
2	MT	FOUNDATION (AREA-A TO B) - REF: S111 TO S112																	
3	MT	PAD FOOTING - REF: S111																	
4	MT	F5.0 - 4'-0"X4'-0"X1'-6"																	
5	TR	BF		60	5			4	16/5	S	4-00							83	#5 @12" EW. T&B
6	GI	Segment: BUILDING Sub-Segment: WALL FOOTING																	
7	MT	CF2.0 - 2'-0"X2'-0" WALL FOOTING (866 LFT)																	
8	TR	BF		60	2			1	19/6	S	984-013							2,956	2-#6 CONT. @B
9	TR	BF		60	2			1	19/6	S	1020-01							3,064	2-#6 CONT. @T
10	TR	BF		60	2			42	19/6	H	7-02							904	2-#6 COR & INT. @B
11	TR	BF		60	2			42	19/6	H	9-04							1,178	2-#6 COR & INT. @T
12	TR	BF		60	870			1	13/4	L	8-09							5,085	#4 @12" STIRRUPS
13	MT	CF2.5 - 2'-6"X2'-0" WALL FOOTING (231 LFT)																	
14	TR	BF		60	3			1	16/5	S	252-00							789	3-#5 CONT. @B
15	TR	BF		60	3			1	16/5	S	259-00							810	3-#5 CONT. @T
16	TR	BF		60	3			11	16/5	H	6-00							207	3-#5 COR & INT. @B
17	TR	BF		60	3			11	16/5	H	8-00							275	3-#5 COR & INT. @T
18	TR	BF		60	235			1	13/4	L	9-09							1,531	#4 @12" STIRRUPS
19	MT	CF3.0 - 3'-0"X2'-0" WALL FOOTING (165 LFT)																	
20	TR	BF		60	3			1	19/6	S	182-103							824	3-#6 CONT. @B
21	TR	BF		60	3			1	19/6	S	188-041							849	3-#6 CONT. @T
22	TR	BF		60	3			8	19/6	H	7-02							258	3-#6 COR & INT. @B
23	TR	BF		60	3			8	19/6	H	9-04							336	3-#6 COR & INT. @T
24	TR	BF		60	171			1	13/4	L	10-09							1,228	#4 @12" STIRRUPS
25	MT	CF4.5 (4'-6"X2'-6")																	
26	TR	BF		60	8			1	22/7	S	78-06							1,284	8-#7 CONT. @B
27	TR	BF		60	8			1	22/7	S	81-08							1,335	8-#7 CONT. @T
28	TR	BF		60	69			1	16/5	L	15-00							1,080	#5 @12" STIRRUPS
29	MT	CMU DWLS @LOW BAY																	
30	TR	BF		60	343			1	16/5	H	6-07							2,356	#5 @24" CMU DWLS
31	TR	BF		60	3			18	16/5	H	6-07							371	3-#5 COR DWLS
32	TR	BF		60	4			20	16/5	H	6-07							549	4-#5 INT DWLS
33	TR	BF		60	2			1	16/5	H	6-07							14	2-#5 END DWLS
34	TR	BF		60	4			20	16/5	H	6-07							549	2-#5 JAMB DWLS ES
35	MT	CMU DWLS @HIGH BAY																	
36	TR	BF		60	197			1	16/5	H	6-07							1,353	#5 @16" CMU DWLS
37	TR	BF		60	3			4	16/5	H	6-07							82	3-#5 COR DWLS
38	TR	BF		60	1			4	16/5	H	6-07							27	1-#5 INT DWLS
39	TR	BF		60	4			7	16/5	H	6-07							192	4-#5 INT DWLS
40	TR	BF		60	4			2	16/5	H	6-07							55	2-#5 JAMB DWLS ES
41	TR	BF		60	50			1	16/5	H	7-01							369	#5 @16" CMU DWLS
42	TR	BF		60	3			1	16/5	H	7-01							22	3-#5 COR DWLS
43	TR	BF		60	3			4	16/5	H	7-01							89	3-#5 INT DWLS
44	TR	BF		60	4			7	16/5	H	7-01							207	2-#5 JAMB DWLS ES
45	GI	Segment: BUILDING Sub-Segment: MAT FOOTING																	
46	MT	DIVE TOWER FOUNDATION - REF: S131																	
47	MT	24" THK MAT FOOTING (830 SQ.FT) - REF:S132																	
48	TR	BF		60	28			1	19/6	S	34-10							1,465	#6 @12" LW. @B
49	TR	BF		60	28			1	19/6	S	35-11							1,510	#6 @12" LW. @T
50	TR	BF		60	33			2	19/6	S	26-08							2,644	#6 @12" SW. T&B
51	TR	BF		60	53			1	13/4	H	8-06							301	#4 @48" STANDEES
52	GI	Segment: BUILDING Sub-Segment: FOUNDATION WALL																	
53	MT	10" THK CONC. WALL																	
54	TR	BF		60	225			2	16/5	H	5-10							2,738	#5 @8" DWLS. EF
55	TR	BF		60	225			2	16/5	S	5-00							2,347	#5 @8" VERT. EF
56	TR	BF		60	7			2	13/4	S	161-081							1,512	#4 @10" HOR. EF
57	TR	BF		60	7			16	13/4	H	6-04							474	#4 @10" COR. EF
58	TR	BF		60	113			1	13/4	H	5-00							377	#4 @16" SLAB DWLS
59	MT	CMU DOWLES																	
60	TR	BF		60	76			1	16/5	S	7-06							595	#5 @24" CMU DWLS
61	TR	BF		60	3			6	16/5	S	7-06							141	3-#5 COR 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	
62	TR	BF		60	4			2	16/5	S	7-06							63	4-#5 INT DWLS	
63	GI	Segment: BUILDING Sub-Segment: SLAB ON GRADE																		
64	MT	5" THK SLAB ON GRADE (7020 SQ.FT) - REF: S111 TO S112																		
65	TR	RA		60	1	1-04	1-04	1	13/4	S	84-00	84-00					48D	30-00	7,524	#4 @16" MID EW
66	MT	6" THK SLAB ON GRADE (730 SQ.FT)																		
67	TR	RA		60	1	1-04	1-04	1	13/4	S	27-06	27-06					48D	30-00	808	#4 @16" MID EW
68	MT	8" THK SLAB ON GRADE (800 SQ.FT)																		
69	TR	RA		60	1	1-04	1-04	1	13/4	S	28-032	28-032					48D	30-00	870	#4 @16" MID EW
70	MT	12" THK SLAB ON GRADE (2045 SQ.FT)																		
71	TR	RA		60	1	1-00	1-00	2	16/5	S	45-023	45-023					48D	30-00	9,360	#5 @12" T&B EW
72	TR	BF		60	130			1	13/4	L	6-06								564	#4 STANDEES
73	TR	BF		60	2			5	13/4	S	4-00								27	2-#4 RE-ENTRANT CORNER
74	MT	REF: S505																		
75	TR	BF		60	1481			1	13/4	H	5-00								4,947	#4 @16" L-BAR DWLS @SOG
76	MT	CJ ADD'L - REF. SHT:S501																		
77	TR	BF		60	1			2	13/4	S	44-05								59	1-#4 CONT. ES
78	GI	Segment: SITE WORK Sub-Segment: SIDEWALK																		
79	MT	4" THK CONCRETE SIDEWALK (16665 SQ.FT)																		
80	TR	RA		60	1	2-00	2-00	1	10/3	S	129-011	129-011					48D	30-00	6,706	#3 @24" MID EW
81	GI	Segment: SITE WORK Sub-Segment: CONTINUOUS FOOTING																		
82	MT	SITE WALL FOOTING - REF: A1/S130																		
83	MT	3'-6"X1'-3" - WALL FOOTING (330 LFT)																		
84	TR	BF		60	3			1	16/5	S	363-00								1,136	3-#5 CONT. @B
85	TR	BF		60	250			1	16/5	S	3-06								913	#5 @16" TRANS. @B
86	TR	BF		60	330			1	13/4	H	4-00								882	#4 @16" SLAB DWLS
87	MT	DOWEL TO CMU WALLS																		
88	TR	BF		60	170			1	16/5	H	5-10								1,034	#5 @24" CMU DWLS
89	TR	BF		60	3			5	16/5	H	5-10								91	3-#5 COR DWLS
90	TR	BF		60	1			4	16/5	H	5-10								24	1-#5 END DWLS
91	GI	Segment: SITE WORK Sub-Segment: SLAB ON GRADE																		
92	MT	6" THK SLAB ON GRADE (490 SQ.FT)																		
93	TR	BF		60	15			1	16/5	S	27-00								422	#5 @16" MID LW
94	TR	BF		60	22			1	16/5	S	18-00								413	#5 @16" MID SW
95	MT	TURN DOWN SLAB - REF: A2/S130																		
96	TR	BF		60	3			2	16/5	S	96-00								601	3-#5 CONT. T&B
97	TR	BF		60	3			8	16/5	H	6-00								150	3-#5 COR. T&B
98	TR	BF		60	70			1	16/5	H	6-00								438	#5 @16" SLAB DWLS

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Rebar Sub-Segment Summary

Segment: BUILDING

Sub-Segment: PAD FOOTING

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

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

16/5	83	83	0	0	0
	<u>83</u>	<u>83</u>	<u>0</u>	<u>0</u>	<u>0</u>

Sub-Segment: WALL FOOTING

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

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

13/4	7,844	0	0	7,844	0
16/5	9,396	1,599	6,717	1,080	1,599
19/6	10,369	7,693	2,676	0	7,693
22/7	2,620	2,620	0	0	2,620
	<u>30,229</u>	<u>11,912</u>	<u>9,393</u>	<u>8,924</u>	<u>11,912</u>

Sub-Segment: MAT FOOTING

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

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

13/4	301	0	301	0	0
19/6	5,619	5,619	0	0	0
	<u>5,920</u>	<u>5,619</u>	<u>301</u>	<u>0</u>	<u>0</u>

Sub-Segment: FOUNDATION WALL

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

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

13/4	2,363	1,512	851	0	1,512
16/5	5,884	3,146	2,738	0	0
	<u>8,247</u>	<u>4,658</u>	<u>3,589</u>	<u>0</u>	<u>1,512</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	14,799	9,288	4,947	564	5,130
16/5	9,358	9,358	0	0	5,882
	<u>24,157</u>	<u>18,646</u>	<u>4,947</u>	<u>564</u>	<u>11,012</u>

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Rebar Sub-Segment Summary

Segment: BUILDING

Total for Segment: BUILDING

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

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
13/4	25,307	10,800	6,099	8,408	6,642
16/5	24,721	14,186	9,455	1,080	7,481
19/6	15,988	13,312	2,676	0	7,693
22/7	2,620	2,620	0	0	2,620
	<u>68,636</u>	<u>40,918</u>	<u>18,230</u>	<u>9,488</u>	<u>24,436</u>

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Rebar Sub-Segment Summary

Segment: SITE WORK

Sub-Segment: SIDEWALK

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

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

10/3	6,706	6,706	0	0	5,956
	<u>6,706</u>	<u>6,706</u>	<u>0</u>	<u>0</u>	<u>5,956</u>

Sub-Segment: CONTINUOUS FOOTING

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

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

13/4	882	0	882	0	0
16/5	3,198	2,049	1,149	0	1,136
	<u>4,080</u>	<u>2,049</u>	<u>2,031</u>	<u>0</u>	<u>1,136</u>

Sub-Segment: SLAB ON GRADE

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

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

16/5	2,024	1,436	588	0	601
	<u>2,024</u>	<u>1,436</u>	<u>588</u>	<u>0</u>	<u>601</u>

Total for Segment: SITE WORK

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

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

10/3	6,706	6,706	0	0	5,956
13/4	882	0	882	0	0
16/5	5,222	3,485	1,737	0	1,737
	<u>12,810</u>	<u>10,191</u>	<u>2,619</u>	<u>0</u>	<u>7,693</u>

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Estimate Totals

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

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
** Grade 60, Black **					
10/3	6,706	6,706	0	0	5,956
13/4	26,189	10,800	6,981	8,408	6,642
16/5	29,943	17,671	11,192	1,080	9,218
19/6	15,988	13,312	2,676	0	7,693
22/7	2,620	2,620	0	0	2,620
	<u>81,446</u>	<u>51,109</u>	<u>20,849</u>	<u>9,488</u>	<u>32,129</u>