

# Rebar Estimation Cover Sheet

MARINERS' LANDING

Project No :

Estimation Number: MRS\_2008

Bid Date 11-Feb-22

Revision No : 0

Bid Type :

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Address: MARINERS' LANDING  
BRANFORD, CT  
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## Document Issue Date and

Authority : -----  
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## Date & Place of Bid

Opening : -----  
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Duration :

Specifications :

Addendum :

## Drawing Used For Estimate :

### **STRUCTURAL DRAWINGS**

1.S100 TO S600 DATED ON 01/05/2022 (AS PER THE LATEST DATE)

## Inclusion : **(BUILDING - A,B,C & D) FOUNDATION PLAN**

1. Spread Footing, Continuous Footing, Mat Footing, Concrete wall, Concrete pier & Slab on Grade

## Exclusion:

- 1.Rebar Welded to Structural Steel
- 2.Storm Sewer and electrical structures not listed in quote
- 3.Manhole,Inlets, Etc., If any
- 4.Cmu Walls (Not In Scope). Except Dwls From Concrete

## Assumptions :

1. We Assume Elevator Pit Mat Reinf as #6 @12" T&B. (Ref. S100)
2. We assume Elevator Pit Concrete Wall Reinf as #5 @12" EF & EW. (Ref. S100)
3. We Assume Concrete Wall Horiz Reif as 2-#5 @ 3 Layer. (Ref. 1,2/S600)

## Notes :

- 1.All Reinforcing bars shall be Deformed ASTM A-615, Grade60 Domestic or Non-Domestic Rebar
- 2.Rebar accessories as per standard practices

# Rebar Estimation Takeoff Sheet

MARINERS' LANDING  
BRANFORD, CT

Bid Date : 11-Feb-22

**1. Estimated weight by Elements** **BUILDING - A FOUNDATION PLAN**

Sac	Weight in	Elements
23	1131	SPREAD FOOTING
24	1193	MAT FOOTING
25	2311	CONTINUOUS FOOTING
32	810	SLAB ON GRADE
41	4331	CONCRETE WALL
56	292	CONCRETE PIER
	<b>10066</b>	<b>Total Weight in lbs</b>
<b>Total Rebar Weight in this Project</b>		<b>5.03 Tons</b>

**1A. Estimated weight by Elements** **BUILDING - B FOUNDATION PLAN**

Sac	Weight in	Elements
23	2491	SPREAD FOOTING
24	1462	MAT FOOTING
25	3917	CONTINUOUS FOOTING
32	2169	SLAB ON GRADE
41	7281	CONCRETE WALL
56	417	CONCRETE PIER
	<b>17737</b>	<b>Total Weight in lbs</b>
<b>Total Rebar Weight in this Project</b>		<b>8.87 Tons</b>

**1B. Estimated weight by Elements** **BUILDING - C FOUNDATION PLAN**

Sac	Weight in	Elements
23	1806	SPREAD FOOTING
24	1473	MAT FOOTING
25	4179	CONTINUOUS FOOTING
32	2169	SLAB ON GRADE
41	7412	CONCRETE WALL
56	459	CONCRETE PIER
	<b>17498</b>	<b>Total Weight in lbs</b>
<b>Total Rebar Weight in this Project</b>		<b>8.75 Tons</b>

**1C. Estimated weight by Elements** **BUILDING - D FOUNDATION PLAN**

Sac	Weight in	Elements
23	2370	SPREAD FOOTING
24	1473	MAT FOOTING
25	5075	CONTINUOUS FOOTING
32	2169	SLAB ON GRADE
41	10013	CONCRETE WALL
56	459	CONCRETE PIER
	<b>21559</b>	<b>Total Weight in lbs</b>
<b>Total Rebar Weight in this Project</b>		<b>10.78 Tons</b>

**BUILDING - A FOUNDATION PLAN**

Total Weight Rebar in this Project- 5.03 Tons

**BUILDING - B FOUNDATION PLAN**

Total Weight Rebar in this Project- 8.87 Tons

**BUILDING - C FOUNDATION PLAN**

Total Weight Rebar in this Project- 8.75 Tons

**BUILDING - D FOUNDATION PLAN**

Total Weight Rebar in this Project- 10.78 Tons

2. Estimated Weight Listed by Elements

**BUILDING - A FOUNDATION PLAN**

**2A. SPREAD FOOTING**

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
23	5	275	855	1131
23 Total		275	855	1131
Grand Total		275	855	1131
Total Weight				0.57

**2B. MAT FOOTING**

Sum of Weight(LBS)		Bend Type			
Sac	Bar Dia	HB	LB	ST	Grand Total
24	4			43	43
	5	506			506
	6				643
24 Total		506		43	643
Grand Total		506		43	643
Total Weight				0.60	

**2C. CONTINUOUS FOOTING**

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
25	4	702		702
	5	125	1483	1608
25 Total		827	1483	2311
Grand Total		827	1483	2311
Total Weight				1.16

**2D. SLAB ON GRADE**

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
32	5	595	215	810
32 Total		595	215	810
Grand Total		595	215	810
Total Weight				0.40

**2E. CONCRETE WALL**

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
41	4	514		514
	5	501	3316	3816
41 Total		1015	3316	4331
Grand Total		1015	3316	4331
Total Weight				2.17

**2F. CONCRETE PIER**

Sum of Weight(LBS)		Bend Type	
Sac	Bar Dia	ST	Grand Total
56	5	292	292
56 Total		292	292
Grand Total		292	292
<b>Total Weight</b>			<b>0.15</b>

**3. Estimated Weight Listed by Elements****BUILDING - B FOUNDATION PLAN****3A. SPREAD FOOTING**

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	HB	ST	
23	5	576	1915	2491
23 Total		576	1915	2491
Grand Total		576	1915	2491
<b>Total Weight</b>			<b>1.25</b>	

**3B. MAT FOOTING**

Sum of Weight(LBS)		Bend Type			Grand Total
Sac	Bar Dia	HB	LB	ST	
24	4			42	42
	5	719			719
	6			701	701
24 Total		719		42	701
Grand Total		719		42	701
<b>Total Weight</b>			<b>0.73</b>		

**3C. CONTINUOUS FOOTING**

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	HB	ST	
25	5	1695	2222	3917
25 Total		1695	2222	3917
Grand Total		1695	2222	3917
<b>Total Weight</b>			<b>1.96</b>	

**3D. SLAB ON GRADE**

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	HB	ST	
32	5	1606	563	2169
32 Total		1606	563	2169
Grand Total		1606	563	2169
<b>Total Weight</b>			<b>1.08</b>	

**3E. CONCRETE WALL**

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	HB	ST	
41	5	2117	5164	7281
41 Total		2117	5164	7281
Grand Total		2117	5164	7281
<b>Total Weight</b>			<b>3.64</b>	

**3F. CONCRETE PIER**

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	HB	ST	
56	5	167	250	417
56 Total		167	250	417
Grand Total		167	250	417
<b>Total Weight</b>			<b>0.21</b>	

4. Estimated Weight Listed by Elements

BUILDING - C FOUNDATION PLAN

4A. SPREAD FOOTING

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
23	5	426	1381	1806
23 Total		426	1381	1806
Grand Total		426	1381	1806
Total Weight				0.90

4B. MAT FOOTING

Sum of Weight(LBS)		Bend Type			
Sac	Bar Dia	HB	LB	ST	Grand Total
24	4			39	39
	5	735			735
	6			700	700
24 Total		735		39	700
Grand Total		735		39	700
Total Weight				0.74	

4C. CONTINUOUS FOOTING

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
25	5	1917	2262	4179
25 Total		1917	2262	4179
Grand Total		1917	2262	4179
Total Weight				2.09

4D. SLAB ON GRADE

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
32	5	1606	563	2169
32 Total		1606	563	2169
Grand Total		1606	563	2169
Total Weight				1.08

4E. CONCRETE WALL

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
41	5	2154	5258	7412
41 Total		2154	5258	7412
Grand Total		2154	5258	7412
Total Weight				3.71

4F. CONCRETE PIER

Sum of Weight(LBS)		Bend Type	
Sac	Bar Dia	ST	Grand Total
56	5	459	459
56 Total		459	459
Grand Total		459	459
Total Weight			0.23

5. Estimated Weight Listed by Elements

BUILDING - D FOUNDATION PLAN

5A. SPREAD FOOTING

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
23	5	551	1819	2370
23 Total		551	1819	2370
Grand Total		551	1819	2370
Total Weight				1.18

**5B. MAT FOOTING**

Sum of Weight(LBS)		Bend Type			
Sac	Bar Dia	HB	LB	ST	Grand Total
24	4			39	39
	5	735			735
	6			700	700
24 Total		735		39	700
Grand Total		735		39	700
<b>Total Weight</b>					<b>0.74</b>

**5C. CONTINUOUS FOOTING**

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
25	5	1917	3159	5075
25 Total		1917	3159	5075
Grand Total		1917	3159	5075
<b>Total Weight</b>				<b>2.54</b>

**5D. SLAB ON GRADE**

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
32	5	1606	563	2169
32 Total		1606	563	2169
Grand Total		1606	563	2169
<b>Total Weight</b>				<b>1.08</b>

**5E. CONCRETE WALL**

Sum of Weight(LBS)		Bend Type		
Sac	Bar Dia	HB	ST	Grand Total
41	5	2962	7051	10013
41 Total		2962	7051	10013
Grand Total		2962	7051	10013
<b>Total Weight</b>				<b>5.01</b>

**5F. CONCRETE PIER**

Sum of Weight(LBS)		Bend Type	
Sac	Bar Dia	ST	Grand Total
56	5	459	459
56 Total		459	459
Grand Total		459	459
<b>Total Weight</b>			<b>0.23</b>

**6. ESTIMATED WEIGHT LISTED BY BLACK REBAR BASE BID (BUILDING - A FOUNDATION PLAN)**

Sum of Weight(LBS)	
Bar Dia	Total
4	1260
5	8163
6	643
<b>Grand Total</b>	<b>10066</b>

**7. ESTIMATED WEIGHT LISTED BY BLACK REBAR BASE BID (BUILDING - B FOUNDATION PLAN)**

Sum of Weight(LBS)	
Bar Dia	Total
4	42
5	16994
6	701
<b>Grand Total</b>	<b>17737</b>

8. ESTIMATED WEIGHT LISTED BY BLACK REBAR BASE BID (BUILDING - C FOUNDATION PLAN)

Sum of Weight(LBS)	
Bar Dia	Total
4	39
5	16760
6	700
<b>Grand Total</b>	<b>17498</b>

9. ESTIMATED WEIGHT LISTED BY BLACK REBAR BASE BID (BUILDING - D FOUNDATION PLAN)

Sum of Weight(LBS)	
Bar Dia	Total
4	39
5	20821
6	700
<b>Grand Total</b>	<b>21559</b>

# Rebar Estimation Takeoff Sheet

MARINERS' LANDING

BRANFORD, CT

Bid Date :

11-Feb-22

10. ESTIMATED ACCESSORIES DETAILS - BASE BID					
Element	Accessories Detail	Quantity	Unit	Remarks	Structures
Slab On Grade	W/ 6X6 W2.9X2.9 WWF	247	SHEET	5" Thick Slab on Grade = 8785 Sq.ft	BUILDING - A FOUNDATION PLAN
Slab On Grade	2½" Ht Slab Bloster @48" O.C	2196	LFT	5" Thick Slab on Grade = 8785 Sq.ft	BUILDING - A FOUNDATION PLAN
Slab On Grade	W/ 6X6 W2.9X2.9 WWF	400	SHEET	5" Thick Slab on Grade = 14260 Sq.ft	BUILDING - B FOUNDATION PLAN
Slab On Grade	2½" Ht Slab Bloster @48" O.C	3565	LFT	5" Thick Slab on Grade = 14260 Sq.ft	BUILDING - B FOUNDATION PLAN
Slab On Grade	W/ 6X6 W2.9X2.9 WWF	401	SHEET	5" Thick Slab on Grade = 14270 Sq.ft	BUILDING - C FOUNDATION PLAN
Slab On Grade	2½" Ht Slab Bloster @48" O.C	3568	LFT	5" Thick Slab on Grade = 14270 Sq.ft	BUILDING - C FOUNDATION PLAN
Slab On Grade	W/ 6X6 W2.9X2.9 WWF	495	SHEET	5" Thick Slab on Grade = 17600 Sq.ft	BUILDING - D FOUNDATION PLAN
Slab On Grade	2½" Ht Slab Bloster @48" O.C	4400	LFT	5" Thick Slab on Grade = 17600 Sq.ft	BUILDING - D FOUNDATION PLAN

11. ESTIMATED SQUARE FOOTAGE				
Description	SAC Code	Reference	Area in Sq.ft./LFT	Remarks
5" Thick Slab on Grade	32	S100	8785 Sq.ft	BUILDING - A FOUNDATION PLAN
5" Thick Slab on Grade	32	S100	14260 Sq.ft	BUILDING - B FOUNDATION PLAN
5" Thick Slab on Grade	32	S100	14270 Sq.ft	BUILDING - C FOUNDATION PLAN
5" Thick Slab on Grade	32	S100	17600 Sq.ft	BUILDING - D FOUNDATION PLAN

12. ESTIMATED MESH REINFORCEMENT DETAILS				
DESCRIPTION	SAC Code	Reference	AREA IN SQ.FT.	Remarks
W/ 6X6 W2.9X2.9 WWF (5'-0" X 10'-0")	32	S100	8785 Sq.ft	BUILDING - A FOUNDATION PLAN
W/ 6X6 W2.9X2.9 WWF (5'-0" X 10'-0")	32	S100	14260 Sq.ft	BUILDING - B FOUNDATION PLAN
W/ 6X6 W2.9X2.9 WWF (5'-0" X 10'-0")	32	S100	14270 Sq.ft	BUILDING - C FOUNDATION PLAN
W/ 6X6 W2.9X2.9 WWF (5'-0" X 10'-0")	32	S100	17600 Sq.ft	BUILDING - D FOUNDATION PLAN

**BAR INPUT - FOUNDATION**

JOB NAME PUTNAM COUNTY HIGH SCHOOL ATHLETIC COMPLEX  
 LOCATIONS EATONTON, GEORGIA 31024  
 BID DATE Wednesday, October 27, 2021

SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight(LBS)
1			FOUNDATION PLAN - REF. S1.1						0.00
2	23		SPREAD FOOTING - REF. S100						0.00
3	23		REF. 4/S600						0.00
4	23		F8.0 - 8'-0"X8'-0"X12" - (9 EACH)						0.00
5	23		(9) #5 CONT. B	9	9	5	ST	8.00	675.86
6	23		(4) #5 D/V @PEDESTAL	9	4	5	HB	6.00	225.29
7	23		(4) #5 HORIZ.@PEDESTAL	9	4	5	ST	3.00	112.64
8	23								0.00
9	23		F4.0 - 4'-0"X4'-0"X12" - (2 EACH)						0.00
10	23		(5) #5 CONT. B	2	5	5	ST	4.00	41.72
11	23		(4) #5 D/V @PEDESTAL	2	4	5	HB	6.00	50.06
12	23		(4) #5 HORIZ.@PEDESTAL	2	4	5	ST	3.00	25.03
13									0.00
14	56		CONCRETE PIER- REF. S100						0.00
15	56		CONCRETE PIER 3'0"X3'0"X1'0" (14 EACH)						0.00
16	56		4-#5 HORIZ.	14	4	5	ST	3.00	175.22
17	56		4-#5 VERT.	14	4	5	ST	2.00	116.82
18									0.00
19	25		CONTINUOUS FOOTING - REF. S100						0.00
20	25		REF. 2/S600						0.00
21	25		2' WIDE WALL FOOTING -421 LFT						0.00
22	25		(3) #5 CONT.	1	3	5	ST	474.00	1483.15
23	25		#5 COR.	8	3	5	HB	5.00	125.16
24	25		#5 @32 VERT.DWL.	1	154	4	HB	6.83	702.31
25									0.00
26	24		MAT FOOTING - REF. S100						0.00
27	24		ELEVATOR PIT - REF. S100						0.00
28	24		SIZE - 11'-0"X9'0"X2'0" & 2'-8"X4'-0"X2'-0"						0.00
29	24		#6 @12" LW. T&B.	2	9	6	ST	11.00	297.40
30	24		#6 @12" SW. T&B.	2	11	6	ST	9.00	297.40
31	24		#6 @12" LW. T&B.	2	2	6	ST	4.00	24.03
32	24		#6 @12" SW. T&B.	2	4	6	ST	2.00	24.03
33	24		#4 STANDEE.	1	10	4	LB	6.50	43.42
34	24		#5 @12" VERT.	2	31	5	HB	7.83	506.33
35									0.00
36	41		CONCRETE WALL - REF. S100						0.00
37	41		REF. 2/S600						0.00
38	41		12" THK. WALL -411 LFT						0.00
39	41		(2) #5 TOP,BOT & MID	3	2	5	ST	463.00	2897.45
40	41		#5 @32 VERT.	1	154	4	HB	5.00	514.13
41	41		#5 COR.	8	6	5	HB	5.00	250.32
42	41								0.00
43	41		ELEVATOR WALL - REF. S100						0.00
44	41		#5 @12" HORIZ. EF	2	6	5	ST	33.42	418.28
45	41		#5 COR.	4	12	5	HB	5.00	250.32
46									0.00
47	32		SLAB ON GRADE - REF. S100						0.00
48	32		REF. 3/S100						0.00
49	32		(2) #5 CONT.	1	2	5	ST	103.00	214.86
50	32		#5 @18" TRANS.	1	60.7	5	HB	9.40	594.79
<b>Total Weight</b>									<b>10066.04</b>







