

Rebar Estimation Cover Sheet
ABAC PRECISION AGRICULTURAL FACILITY
Project No : SRS_054

Estimation Number: MRS_1054
Bid Date 15-Feb-22

Revision No : 0
Bid Type :

Address: ABAC PRECISION AGRICULTURAL FACILITY
TIFT COUNTY, GA
-

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Document Issue Date and Authority : -----

Date & Place of Bid Opening : -----

Duration :

Specifications :

Addendum :

Drawing Used For Estimate :

STRUCTURAL DRAWINGS

1.S001 TO S690 DATED ON 01/17/2022 (AS PER THE LATEST DATE)

Inclusion : FOUNDATION

1. Spread Footing, Continuous Footing, Slab on Grade, Concrete pier & Masonry Wall.

SITE WORK

1. Site Work Only.

Exclusion:

- 1.Rebar Welded to Structural Steel
- 2.Storm Sewer and electrical structures not listed in quote
- 3.Manhole,Inlets, Etc., If any
- 4.Heavy Duty Pavement, Concrete Side walk, Curb&Gutter - (No Reinforcement) - (Ref. C3.0,C7.0)
- 5.Sign Post & Light Pole - (No Reinforcement) - (C3.0,C7.0 & E011)
6. Tree planting & Staking - (No Location) - (Ref. 1,2/L2.0)

Assumptions :

**1.We have assumed the SOG 8 Reinf as #6 @14" bot. EW.
Instead of Shown in Plans #6 @14" Bot. (Ref. S201)**

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

ABAC PRECISION AGRICULTURAL FACILITY
TIFT COUNTY, GA

Bid Date : 15-Feb-22

1. Estimated weight by Elements FOUNDATION

Sac	Weight in Lbs	Elements
23	21603	SPREAD FOOTING
25	1382	CONTINUOUS FOOTING
32	76219	SLAB ON GRADE
37	5587	MASONRY WALL
56	1913	CONCRETE PIER
	106704	Total Weight in lbs
Total Rebar Weight in this Project		53.35 Tons

1A. Estimated weight by Elements SITE WORK

Sac	Weight in Lbs	Elements
608	25	SITE WORK
	25	Total Weight in lbs
Total Rebar Weight in this Project		0.01 Tons

FOUNDATION

Total Weight Rebar in this Project- 53.35 Tons

SITE WORK

Total Weight Rebar in this Project- 0.01 Tons

2. Estimated Weight Listed by Elements FOUNDATION

2A. SPREAD FOOTING

Sum of Weight(LBS)		Bend Type			Grand Total
Sac	Bar Dia	HB	LB	ST	
23	4			640	640
	5			2453	2453
	6		2425	15905	18330
	7		180		180
23 Total			2605	640	18358
Grand Total			2605	640	18358
Total Weight					10.80

2B. CONTINUOUS FOOTING

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	LB	ST	
25	4	478	905	1382
25 Total		478	905	1382
Grand Total		478	905	1382
Total Weight				0.69

2C. SLAB ON GRADE

Sum of Weight(LBS)		Bend Type				Grand Total
Sac	Bar Dia	HB	LB	SL	ST	
32	4			1350	20574	3246
	5		2440			169
	6				48440	48440
32 Total			2440	1350	69014	3415
Grand Total			2440	1350	69014	3415
Total Weight						38.11

2D. MASONRY WALL

Sum of Weight(LBS)		Bend Type	
Sac	Bar Dia	ST	Grand Total
37	4	175	175
	5	5411	5411
37 Total		5587	5587
Grand Total		5587	5587
		Total Weight	2.79

2E. CONCRETE PIER

Sum of Weight(LBS)		Bend Type	
Sac	Bar Dia	LB	Grand Total
56	3	1913	1913
56 Total		1913	1913
Grand Total		1913	1913
		Total Weight	0.96

3. Estimated Weight Listed by Elements

SITE WORK

3A. SITE WORK

Sum of Weight(LBS)		Bend Type	
Sac	Qty	ST	Grand Total
608	2	25	25
608 Total		25	25
Grand Total		25	25
		Total Weight	0.01

4. ESTIMATED WEIGHT LISTED BY BLACK REBAR BASE BID (FOUNDATION)

Sum of Weight(LBS)	
Bar Dia	Total
3	1913
4	27368
5	10473
6	66770
7	180
Grand Total	106704

5. ESTIMATED WEIGHT LISTED BY BLACK REBAR BASE BID (SITE WORK)

Sum of Weight(LBS)	
Bar Dia	Total
5	25
Grand Total	25

Rebar Estimation Takeoff Sheet

ABAC PRECISION AGRICULTURAL FACILITY

TIFT COUNTY, GA

Bid Date :

15-Feb-22

6. ESTIMATED ACCESSORIES DETAILS - BASE BID					
Element	Accessories Detail	Quantity	Unit	Remarks	Structures
Slab On Grade	W/ WWR 6X6-W2.1XW2.1	66	SHEET	4" Thick Slab on Grade = 9250 Sq.ft	FOUNDATION
Slab On Grade	2" Ht Slab Bloster @48" O.C	2313	LFT	4" Thick Slab on Grade = 9250 Sq.ft	FOUNDATION
Slab On Grade	W/ WWR 6X6-W2.1XW2.1	14	SHEET	6" Thick Slab on Grade = 1970 Sq.ft	FOUNDATION
Slab On Grade	3" Ht Slab Bloster @48" O.C	493	LFT	6" Thick Slab on Grade = 1970 Sq.ft	FOUNDATION
Slab On Grade	4" Ht Slab Bloster @48" O.C	4083	LFT	8" Thick Slab on Grade = 16330 Sq.ft	FOUNDATION

7. ESTIMATED SQUARE FOOTAGE				
Description	SAC Code	Reference	Area in Sq.ft./LFT	Remarks
4" Thick Slab on Grade	32	S201	9250 Sq.ft	FOUNDATION
6" Thick Slab on Grade	32	S201	1970 Sq.ft	FOUNDATION
8" Thick Slab on Grade	32	S201	16330 Sq.ft	FOUNDATION

8. ESTIMATED MESH REINFORCEMENT DETAILS				
DESCRIPTION	SAC Code	Reference	AREA IN SQ.FT.	Remarks
W/ WWR 6X6-W2.1XW2.1 (8'-0" X 20'-0")	32	S201	9250 Sq.ft	FOUNDATION
W/ WWR 6X6-W2.1XW2.1 (8'-0" X 20'-0")	32	S201	1970 Sq.ft	FOUNDATION

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)
62	56		CONCRETE PIER - REF.S201						0.00
63	56		P1 1'6"X1'6"X3'0" (53 EACH)						0.00
64	56		#3 @9" TIES	53	8	3	LB	6.67	1063.36
65	56		#3 @9" TIES	53	8	3	LB	4.84	771.61
66	56								0.00
67	56		P2 1'6"X3'0"X3'0" (2 EACH)						0.00
68	56		#3 @9" TIES	2	8	3	LB	9.67	58.17
69	56		#3 @9" TIES	6	4	3	LB	2.17	19.58
70									0.00
71	32		SLAB ON GARDE - REF.S201						0.00
72	32		REF. 5/S681						0.00
73	32		4-#4 CONT.	1	4	4	ST	32.00	85.50
74	32		#4 @24" SLAB DWL.	1	17	4	LB	5.58	63.37
75	32								0.00
76	32		REF. 15/S680						0.00
77	32		4-#4 CONT.	1	4	4	ST	415	1110.05
78	32		#4 @24" SLAB DWL.	1	190	4	LB	4.00	507.68
79	32								0.00
80	32		REF. 6/S681						0.00
81	32		5-#4 CONT.	1	5	4	ST	170	566.42
82	32		#4 @24" SLAB DWL.	1	77	4	LB	5.00	257.46
83	32								0.00
84	32		REF. 3/S681						0.00
85	32		5-#4 CONT.	1	5	4	ST	212	707.25
86	32		#5 @12" SLAB DWL.	1	193	5	HB	5.50	1104.28
87	32		#5 @48" CMU EXTERIOR DWL.	1	48	5	HB	5.33	267.54
88	32								0.00
89	32		REF. 8/S681						0.00
90	32		5-#4 CONT.	1	5	4	ST	173	578.95
91	32		#5 @12" SLAB DWL.	1	158	5	HB	6.50	1068.31
92	32		#4 @48" CMU INTERIOR DWL.	1	40	4	LB	4.83	129.06
93									0.00
94	25		REF. 9/S681						0.00
95	25		3-#4 CONT. T&B	2	3	4	ST	115	461.47
96	25		#4 @18" TRANS. @TOP.	1	70	4	ST	2.00	93.23
97	25		#4 @12" TRANS. @BOT.	1	105	4	ST	2.00	139.84
98	25		#4 @10" D/V	1	126	4	LB	5.67	477.64
99	25		#4 @16" HORIZ.	1	79	4	ST	4.00	210.28
100									0.00
101	32		REF. 4/S681						0.00
102	32		2-#5 CONT.	1	2	5	ST	71	148.00
103	32		#4 @48" CMU DWL.	1	16	4	LB	4.00	43.09
104	32								0.00
105	32		SOG-8 8" THICK SLAB ON GRADE						0.00
106	32		16330 SQ.FT						0.00
107	32		#4 @14" O.C.EW. TOP.	1	1540	4	SL	20.00	20574.40
108	32		#6 @14" O.C.EW. BOT.	1	1075	6	SL	30.00	48439.50
109	32								0.00
110	32		RE-ENTRANT BAR REF. 9/S680						0.00

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SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight(LBS)
111	32		2-#4 T&B.	4	4	4	ST	3.00	32.06
112	32		2-#4 T&B.	12	4	4	LB	4.17	133.71
113	32								0.00
114	32		DOOR OPENING REF. 13/S680						0.00
115	32		1-#4	1	1	4	ST	186.00	124.25
116	32		#4 HOOK.	22	1	4	ST	2.00	29.39
117	32		2-#4 T&B.	22	4	4	LB	4	215.74
118	32								0.00
119	32		STAIR THK SLAB REF. 12/S680						0.00
120	32		2-#5 CONT T&B.	2	2	5	ST	5.00	20.86
121	32		#4 @3'0"C/C.	1	3	4	ST	6.00	12.02
122									0.00
123	37		MASONRY WALL - REF. S003						0.00
124	37		8" THK MASONRY WALL REF. S003						0.00
125	37		#5 @48" VERT.	1	40	5	ST	10.50	438.06
126	37		3-#5 COR.	1	3	5	ST	10.50	32.85
127	37		1-#5 END JB.	4	1	5	ST	10.50	43.81
128	37		1-#5 CJ.	8	1	5	ST	10.50	87.61
129	37		2-#5 LB.	3	2	5	ST	8.33	52.13
130	37		1-#5 LB.	1	1	5	ST	5.33	5.56
131	37		2-#5 DOOR JB.	6	2	5	ST	10.50	131.42
132	37		1-#5 DOOR JB.	2	1	5	ST	10.50	21.90
133	37		2-#5 BB.	2	2	5	ST	173.50	723.84
134	37								0.00
135	37		8" THK INTERNAL MASONRY WALL REF. S003						0.00
136	37		#4 @48" VERT.	1	12	4	ST	10.50	84.17
137	37		3-#4 COR.	1	3	4	ST	10.50	21.04
138	37		1-#4 END JB.	3	1	4	ST	10.50	21.04
139	37		1-#4 CJ.	3	1	4	ST	10.50	21.04
140	37		1-#5 LB.	2	1	5	ST	5.33	11.12
141	37		1-#4 DOOR JB.	4	1	4	ST	10.50	28.06
142	37		2-#5 BB.	2	2	5	ST	50.00	208.60
143	37								0.00
144	37		8" THK MASONRY WALL REF. S003						0.00
145	37		#5 @48" VERT.	1	50	5	ST	26.75	1395.01
146	37		3-#5 COR.	12	3	5	ST	26.75	1004.41
147	37		1-#5 CJ.	10	1	5	ST	26.75	279.00
148	37		1-#5 LB.	2	1	5	ST	5.33	11.12
149	37		1-#5 DOOR JB.	4	1	5	ST	26.75	111.60
150	37		2-#5 BB.	2	2	5	ST	204.50	853.17
Total Weight									106703.79

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SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight(LBS)
1	608		SITE WORK - REF. C3.1						0.00
2	608		WHEEL STOP - REF.C7.0						0.00
3	608		2-#5	4	2	5	ST	3.00	25.03
4									0.00
5									0.00
6									0.00
7									0.00
8									0.00
9									0.00
10									0.00
11									0.00
12									0.00
13									0.00
14									0.00
15									0.00
16									0.00
17									0.00
18									0.00
19									0.00
20									0.00
21									0.00
22									0.00
23									0.00
24									0.00
25									0.00
26									0.00
27									0.00
28									0.00
29									0.00
30									0.00
31									0.00
32									0.00
33									0.00
34									0.00
35									0.00
36									0.00
37									0.00
38									0.00
39									0.00
40									0.00
41									0.00
42									0.00
43									0.00
44									0.00
45									0.00
46									0.00
47									0.00
48									0.00
49									0.00
50									0.00
Total Weight									25.03