

Rebar Estimation Cover Sheet

COOK PLANT BUILDING EXPANSION

Project No : SRS_049

Estimation Number: MRS_1049

Bid Date 4-Feb-22

Revision No : 0

Bid Type :

Address: COOK PLANT BUILDING EXPANSION
GEORGIA
-

Architect: -
Phone: -
Fax: -

Engineer: SAUSSY ENGINEERING
Phone: 912-898-8255
Fax: 912-898-1882

**Document Issue Date and
Authority :** -----

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

Duration :

Specifications :

Addendum :

Drawing Used For Estimate :

STRUCTURAL DRAWINGS

1.S0.1 TO S6.2 DATED ON 01/21/2022 (AS PER THE LATEST DATE)

Inclusion : FOUNDATION - (Left of Column Line 22)

1. Spread Footing, Grade Beam, Concrete wall & Slab on Grade

FOUNDATION - (Right of Column Line 22)

2.Spread Footing, Concrete Pier, Continuous Footing, Concrete Wall, Slab on Grade
& Elevated Slab

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Project No : SRS_049

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Exclusion:

- 1.Rebar Welded to Structural Steel
- 2.Storm Sewer and electrical structures not listed in quote
- 3.Manhole,Inlets, Etc., If any
4. #5 Smooth Dowels @24" O.C. - Not in Scope (Ref. 4/S1.4)
5. Equipment House Keeping Pad - (Location not Clearly) - Ref. S6.1

Assumptions :

1. We Assume Spread Footing (Mark - F3) Reinf. as 5-#4 LW. Bot. & 3-#4 SW. Bot. (Ref. S1.1) - (Left of Column Line 22)

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

COOK PLANT BUILDING EXPANSION
GEORGIA

Bid Date : 04-Feb-22

1. Estimated weight by Elements FND - Left of Column Line 22

Sac	Weight in Lbs	Elements
23	199	SPREAD FOOTING
29	2972	GRADE BEAM
32	5209	SLAB ON GRADE
25	3087	CONTINUOUS FOOTING
41	2746	CONCRETE WALL
	14213	Total Weight in lbs
Total Rebar Weight in this Project		7.11 Tons

1A. Estimated weight by Elements FND - Right of Column Line 22

Sac	Weight in Lbs	Elements
23	22680	SPREAD FOOTING
56	9647	CONCRETE PIER
25	12375	CONTINUOUS FOOTING
41	10459	CONCRETE WALL
32	3466	SLAB ON GRADE
85	1739	ELEVATED SLAB
	60367	Total Weight in lbs
Total Rebar Weight in this Project		30.18 Tons

FND - Left of Column Line 22

Total Weight Rebar in this Project- 7.11 Tons

FND - Right of Column Line 22

Total Weight Rebar in this Project- 30.18 Tons

2. Estimated Weight Listed by Elements FND - Left of Column Line 22

2A. SPREAD FOOTING

Sum of Weight(LBS)		Bend Type			Grand Total
Sac	Bar Dia	HB	LB	ST	
23	4			154	165
	5		33		33
23 Total			33	154	199
Grand Total			33	154	199
Total Weight					0.10

2B. GRADE BEAM

Sum of Weight(LBS)		Bend Type			Grand Total
Sac	Bar Dia	HB	LB	ST	
29	3			291	291
	4			11	1684
	5		83		903
29 Total			83	302	2587
Grand Total			83	302	2972
Total Weight					1.49

2C. SLAB ON GRADE

Sum of Weight(LBS)		Bend Type			Grand Total
Sac	Bar Dia	HB	SL	ST	
32	4			4275	4275
	5		69		69
	7				865
32 Total			69	4275	5209
Grand Total			69	4275	5209
Total Weight					2.60

2D. CONTINUOUS FOOTING

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	HB	ST	
25		4		568
		5	1986	533
25 Total		1986	1101	3087
Grand Total		1986	1101	3087
Total Weight				1.54

2E. CONCRETE WALL

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	LB	ST	
41		4	43	2025
		5		678
41 Total		43	2703	2746
Grand Total		43	2703	2746
Total Weight				1.37

3. Estimated Weight Listed by Elements

FND - Right of Column Line 22

3A. SPREAD FOOTING

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	LB	ST	
23		4	973	973
		5		755
		6		12842
		7		8111
23 Total		973	21708	22680
Grand Total		973	21708	22680
Total Weight				11.34

3B. CONCRETE PIER

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	HB	LB	
56		3	2913	2913
		6	6734	6734
56 Total		6734	2913	9647
Grand Total		6734	2913	9647
Total Weight				4.82

3C. CONTINUOUS FOOTING

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	HB	ST	
25		3	439	439
		5	7521	4416
25 Total		7521	4855	12375
Grand Total		7521	4855	12375
Total Weight				6.19

3D. CONCRETE WALL

Sum of Weight(LBS)		Bend Type			Grand Total
Sac	Bar Dia	HB	LB	ST	
41		4		40	5561
		5	1753		3104
41 Total		1753		40	8665
Grand Total		1753		40	8665
Total Weight				5.23	

3E. SLAB ON GRADE

Sum of Weight(LBS)		Bend Type			Grand Total
Sac	Bar Dia	HB	LB	ST	
32		3			6
		4		228	1076
		5	47		2111
32 Total		47		228	3192
Grand Total		47		228	3192
Total Weight				1.73	

3F. ELEVATED SLAB

Sum of Weight(LBS)		Bend Type		Grand Total
Sac	Bar Dia	ST	Grand Total	
85		3	424	424
		4	1315	1315
85 Total		1739	1739	
Grand Total		1739	1739	
Total Weight				0.87

4. ESTIMATED WEIGHT LISTED BY BLACK REBAR BASE BID (FND - Left of Column Line 22)

Sum of Weight(LBS)	
Bar Dia	Total
3	291
4	8771
5	4286
7	865
Grand Total	14213

5. ESTIMATED WEIGHT LISTED BY BLACK REBAR BASE BID (FND - Right of Column Line 22)

Sum of Weight(LBS)	
Bar Dia	Total
3	3782
4	9192
5	19706
6	19576
7	8111
Grand Total	60367

Rebar Estimation Takeoff Sheet

COOK PLANT BUILDING EXPANSION

GEORGIA

Bid Date :

04-Feb-22

6. ESTIMATED ACCESSORIES DETAILS - BASE BID					
Element	Accessories Detail	Quantity	Unit	Remarks	Structures
Slab On Grade	6X6X6/6 WWF	16	SHEET	6" Thick Slab on Grade = 2105 Sq.ft	FOUNDATION (Left of Column Line 22)
Slab On Grade	2" Ht Slab Bloster @48" O.C	526	LFT	6" Thick Slab on Grade = 2105 Sq.ft	FOUNDATION (Left of Column Line 22)
Grade Beam	2" Ht Beam Bloster @48" O.C	192	LFT	Grade Beam	FOUNDATION (Left of Column Line 22)
Slab On Grade	4" Ht Slab Bloster @48" O.C	483	LFT	8" Thick Slab on Grade = 1930 Sq.ft	FOUNDATION (Left of Column Line 22)
Slab On Grade	6X6X6/6 WWF	307	SHEET	6" Thick Slab on Grade = 42515 Sq.ft	FOUNDATION (Right of Column Line 22)
Slab On Grade	2" Ht Slab Bloster @48" O.C	10629	LFT	6" Thick Slab on Grade = 42515 Sq.ft	FOUNDATION (Right of Column Line 22)
Stair Slab	6X6X10/10 WWF	1	SHEET	3" Thick Stair Slab = 125 Sq.ft	FOUNDATION (Right of Column Line 22)
Stair Slab	1½" Ht Slab Bloster @48" O.C	31	LFT	3" Thick Stair Slab = 125 Sq.ft	FOUNDATION (Right of Column Line 22)
Elevated Slab	6X6X8/8 WWF	42	SHEET	5¼" Thick Deck Slab @EL. 24'-0" = 5700 Sq.ft	FOUNDATION (Right of Column Line 22)
Elevated Slab	2" Ht Slab Bloster @48" O.C	1425	LFT	5¼" Thick Deck Slab @EL. 24'-0" = 5700 Sq.ft	FOUNDATION (Right of Column Line 22)
Elevated Slab	6X6X8/8 WWF	6	SHEET	5¼" Thick Deck Slab @EL. 14'-0" = 725 Sq.ft	FOUNDATION (Right of Column Line 22)
Elevated Slab	2" Ht Slab Bloster @48" O.C	181	LFT	5¼" Thick Deck Slab @EL. 14'-0" = 725 Sq.ft	FOUNDATION (Right of Column Line 22)
Elevated Slab	6X6X8/8 WWF	6	SHEET	5¼" Thick Deck Slab @EL. 26'-0" = 725 Sq.ft	FOUNDATION (Right of Column Line 22)
Elevated Slab	2" Ht Slab Bloster @48" O.C	181	LFT	5¼" Thick Deck Slab @EL. 26'-0" = 725 Sq.ft	FOUNDATION (Right of Column Line 22)

7. ESTIMATED SQUARE FOOTAGE				
Description	SAC Code	Reference	Area in Sq.ft./LFT	Remarks
6" Thick Slab on Grade	32	S1.1	2105 Sq.ft	FOUNDATION (Left of Column Line 22)
Grade Beam	29	S1.1	192 LFT	FOUNDATION (Left of Column Line 22)
8" Thick Slab on Grade	32	S1.1	1930 Sq.ft	FOUNDATION (Left of Column Line 22)
6" Thick Slab on Grade	32	S1.1, S1.2 & S1.3	42515 Sq.ft	FOUNDATION (Right of Column Line 22)
3" Thick Stair Slab	601	S1.2	125 Sq.ft	FOUNDATION (Right of Column Line 22)
5¼" Thick Deck Slab @EL. 24'-0"	85	S2.1	5700 Sq.ft	FOUNDATION (Right of Column Line 22)
5¼" Thick Deck Slab @EL. 14'-0"	85	S2.1	725 Sq.ft	FOUNDATION (Right of Column Line 22)
5¼" Thick Deck Slab @EL. 26'-0"	85	S2.1	725 Sq.ft	FOUNDATION (Right of Column Line 22)

B. ESTIMATED MESH REINFORCEMENT DETAILS				
DESCRIPTION	SAC Code	Reference	AREA IN SQ.FT.	Remarks
6X6X6/6 WWF (8'-0" X 20'-0")	32	S1.1	2105 Sq.ft	FOUNDATION (Left of Column Line 22)
6X6X6/6 WWF (8'-0" X 20'-0")	32	S1.1, S1.2 & S1.3	42515 Sq.ft	FOUNDATION (Right of Column Line 22)
6X6X10/10 WWF (8'-0" X 20'-0")	601	S1.2	125 Sq.ft	FOUNDATION (Right of Column Line 22)
6X6X8/8 WWF (8'-0" X 20'-0")	85	S2.1	5700 Sq.ft	FOUNDATION (Right of Column Line 22)
6X6X8/8 WWF (8'-0" X 20'-0")	85	S2.1	725 Sq.ft	FOUNDATION (Right of Column Line 22)
6X6X8/8 WWF (8'-0" X 20'-0")	85	S2.1	725 Sq.ft	FOUNDATION (Right of Column Line 22)

BAR INPUT - FND - Left of Column Line 22

JOB NAME COOK PLANT BUILDING EXPANSION
 LOCATIONS GEORGIA
 BID DATE Friday, February 04, 2022

SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight(LBS)
1			FOUNDATION PLAN - REF. S1.0 (left of column line 22)						0.00
2	23		SPREAD FOOTING - REF. S1.1 (left of column line 22)						0.00
3	23		F1 - 2'-6"X2'-6"X24" - (4 EACH)						0.00
4	23		2-#5 BAR.	4	2	5	HB	4.00	33.38
5	23		3-#4 BAR.	4	3	4	ST	1.42	11.38
6									0.00
7	23		F2 - 4'-6"X3'-0"X24" - (4 EACH)						0.00
8	23		3-#4 LW.	4	3	4	LB	5.84	46.81
9	23		5-#4 SW.	4	5	4	LB	4.34	57.98
10									0.00
11	23		F3 - 4'-0"X2'-0"X24" - (2 EACH)						0.00
12	23		5-#4 LW. Bot.	2	5	4	LB	5.34	35.67
13	23		3-#4 SW. Bot.	2	3	4	LB	3.34	13.39
14									0.00
15	29		GRADE BEAM REF. S1.1						0.00
16	29		REF. A,B/S1.5						0.00
17	29		2-#5 CONT. T&B	2	2	5	ST	216.50	903.24
18	29		#3 @24" STIRR.	1	100	3	LB	7.75	291.40
19	29		1-#4 CONT. MID.	1	1	4	ST	216.50	144.62
20	29		#5 COR.	4	4	5	HB	5.00	83.44
21	29		#4 COR.	4	1	4	LB	4.00	10.69
22									0.00
23	32		SLAB ON GRADE - REF. S1.1						0.00
24	32		REF. B/S1.5						0.00
25	32		2-#4 CONT.	1	2	7	ST	29.33	119.90
26									0.00
27	32		REF. A/S1.5						0.00
28	32		1-#4 CONT.	1	2	7	ST	182.17	744.71
29									0.00
30	32		HAIRPINS. - REF. S1.5						0.00
31	32		1-#5 HAIRPIN	4	1	5	HB	16.50	68.84
32									0.00
33	32		8" THICK CONCRETE SLAB - REF. D/S1.4						0.00
34	32		1930 SQ.FT						0.00
35	32		#4 @8" OC.EW.	1	320	4	SL	20.00	4275.20
36									0.00
37	41		CONCRETE WALL - REF. S1.1						0.00
38	41		7" THICK CONCRETE WALL - REF. A,D/S1.5						0.00
39	29		#4 @12" VERT. EF	2	192	4	ST	6.00	1539.07
40	41		4-#4 HOIRZ. EF	2	4	4	ST	208.00	1111.55
41	41		#4 COR.	4	4	4	LB	4.00	42.75
42									0.00
43	41		REF. E/S1.4						0.00
44	41		#4 @12" HORIZ. EF	2	4	4	ST	44.00	235.14
45	41		#4 @12" HORIZ. EF	2	5	4	ST	20.00	133.60
46									0.00
47	41		REF. D/S1.4						0.00
48	41		#4 @12" HORIZ. EF	2	5	4	ST	20.00	133.60
49									0.00
50	41		REF. D/S1.4						0.00

BAR INPUT - FND - Left of Column Line 22

JOB NAME COOK PLANT BUILDING EXPANSION
 LOCATIONS GEORGIA
 BID DATE Friday, February 04, 2022

SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight(LBS)
51	41		#5 @10" VERT. EF	2	50	5	ST	6.50	677.95
52	41		#4 @12" HORIZ. EF	2	7	4	ST	44.00	411.49
53									0.00
54	25		CONTINUOUS FOOTING - REF. S1.1						0.00
55	25		REF. E/S1.4						0.00
56	25		7-#4 CONT. T&B	1	7	4	ST	75.50	353.04
57	25		#5 @10" TRANS. TOP.	1	76	5	ST	3.83	303.60
58	25		#5 @10" D/V.	1	50	5	HB	7.00	365.05
59	25		#5 @10" D/V.	1	50	5	HB	5.50	286.83
60	25		#5 @10" D/V.	1	26	5	HB	8.00	216.94
61	25		#5 @10" D/V.	1	26	5	HB	6.50	176.27
62									0.00
63	25		REF. D/S1.4						0.00
64	25		9-#4 CONT. T&B	1	9	4	ST	35.75	214.93
65	25		#5 @10" TRANS. TOP.	1	40	5	ST	5.50	229.46
66	25		#5 @10" D/V.	1	26	5	HB	8.00	216.94
67	25		#5 @10" D/V.	1	26	5	HB	6.50	176.27
68	25		#5 @10" VERT. DWL.	1	50	5	HB	6.00	312.90
69	25		#5 @10" VERT. DWL.	1	50	5	HB	4.50	234.68
70									0.00
71									0.00
72									0.00
73									0.00
74									0.00
75									0.00
76									0.00
77									0.00
78									0.00
79									0.00
80									0.00
81									0.00
82									0.00
83									0.00
84									0.00
85									0.00
86									0.00
87									0.00
88									0.00
89									0.00
90									0.00
91									0.00
92									0.00
93									0.00
94									0.00
95									0.00
96									0.00
97									0.00
98									0.00
99									0.00
100									0.00
Total Weight									14212.70

BAR INPUT - FND - Right of Column Line 22

JOB NAME COOK PLANT BUILDING EXPANSION
 LOCATIONS GEORGIA
 BID DATE Friday, February 04, 2022

SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight(LBS)
51	23		9-#6 EW. T&B.	7	36	6	ST	9.50	3595.79
52	23		#4 STANDEE.	7	8	4	LB	7	261.86
53									0.00
54	56		CONCRETE PIER - REF. S1.1						0.00
55	56		CP44 REF. S5.1						0.00
56	56		24-#6	2	24	6	HB	6.67	480.88
57	56		#3 @12" TIES.	2	5	3	LB	15.35	57.72
58	56		#3 @12" TIES.	4	5	3	LB	13.35	100.39
59	56		#3 @12" TIES.	4	5	3	LB	9.00	67.68
60	56								0.00
61	56		PARTIAL FOUNDATION PLAN - REF. S1.2						0.00
62	56		CP44 REF. S5.1						0.00
63	56		24-#6	6	24	6	HB	7.33	1585.39
64	56		#3 @12" TIES.	6	5	3	LB	15.35	173.15
65	56		#3 @12" TIES.	12	5	3	LB	13.35	301.18
66	56		#3 @12" TIES.	12	5	3	LB	9.00	203.04
67	56								0.00
68	56		CP36 REF. S5.1						0.00
69	56		16-#6	4	16	6	HB	7.33	704.62
70	56		#3 @12" TIES.	4	5	3	LB	15.35	115.43
71	56		#3 @12" TIES.	8	5	3	LB	13.35	200.78
72	56								0.00
73	56		PARTIAL FOUNDATION PLAN - REF. S1.3						0.00
74	56		CP44 REF. S5.1						0.00
75	56		24-#6	15	24	6	HB	7.33	3963.48
76	56		#3 @12" TIES.	15	5	3	LB	15.35	432.87
77	56		#3 @12" TIES.	30	5	3	LB	13.35	752.94
77	56		#3 @12" TIES.	30	5	3	LB	9.00	507.60
78									0.00
79	25		CONTINUOUS FOOTING - REF. S1.1 (Right of column line 22)						0.00
80	25		REF. G/S1.4						0.00
81	25		4-#5 CONT. BOT.	1	4	5	ST	87.75	366.09
82	25		#3 @24" TRANS.	1	42	3	ST	3.00	47.38
83	25		#5 COR.	2	4	5	ST	5.00	41.72
84	25		#5 @12" VERT. DWL.	1	80	5	HB	4.33	361.30
85	25		#5 @12" VERT. DWL.	1	80	5	HB	4.33	361.30
86									0.00
87	25		REF. A/S1.4						0.00
88	25		3-#5 CONT. BOT.	1	3	5	ST	205.83	644.04
89	25		#3 @32" TRANS.	1	70	3	ST	2.50	65.80
90	25		#5 COR.	1	3	5	ST	5.00	15.65
91									0.00
92	25		REF. A/S1.4 & S1.2						0.00
93	25		3-#5 CONT. BOT.	1	3	5	ST	106.67	333.77
94	25		#3 @32" TRANS.	1	37	3	ST	2.50	34.78
95	25		#5 COR.	1	3	5	ST	5.00	15.65
96									0.00
97	25		REF. AX/S1.4 & S1.2						0.00
98	25		4-#5 CONT. BOT.	1	4	5	ST	108.17	451.29
99	25		#3 @32" TRANS. BOT.	1	38	3	ST	3.00	42.86
100	25		#5 COR.	4	4	5	HB	5.00	83.44

BAR INPUT - FND - Right of Column Line 22

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 LOCATIONS GEORGIA
 BID DATE Friday, February 04, 2022

SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight(LBS)
101	25		#5 @12" D/V.	1	98	5	HB	3.83	391.48
102	25		#5 @12" D/V.	1	98	5	HB	5.83	595.91
103									0.00
104	25		REF. AY/S1.4 & S1.2						0.00
105	25		4-#5 CONT. BOT.	1	4	5	ST	174.25	726.97
106	25		#3 @32" TRANS. BOT.	1	62	3	ST	3.00	69.94
107	25		#5 COR.	4	4	5	HB	5.00	83.44
108	25		#5 @12" D/V.	1	156	5	HB	5.83	948.59
109	25		#5 @12" VERT. DWL.	1	156	5	HB	4.33	704.53
110									0.00
111	25		REF. AY/S1.4 & S1.3						0.00
112	25		4-#5 CONT. BOT.	1	4	5	ST	392.00	1635.42
113	25		#3 @32" TRANS. BOT.	1	140	3	ST	3.00	157.92
114	25		#5 COR.	3	4	5	HB	5.00	62.58
115	25		#5 @12" D/V.	1	340	5	HB	5.83	2067.43
116	25		#5 @12" VERT. DWL.	1	340	5	HB	4.33	1535.50
117									0.00
118	25		REF. G/S1.4 & S1.3						0.00
119	25		4-#5 CONT. BOT.	1	4	5	ST	39.33	164.08
120	25		#3 @24" TRANS.	1	18	3	ST	3.00	20.30
121	25		#5 COR.	1	4	5	ST	5.00	20.86
122	25		#5 @12" VERT. DWL.	1	36	5	HB	4.33	162.58
123	25		#5 @12" VERT. DWL.	1	36	5	HB	4.33	162.58
124									0.00
125	41		CONCRETE WALL - REF. S1.0						0.00
126	41		REF. G/S1.4						0.00
127	41		#5 @12" VERT.	1	80	5	HB	7.66	639.15
128	41		#5 @12" VERT.	1	80	5	HB	6.83	569.90
129	41		#4 @12" HORIZ. EF	2	6	4	ST	85.75	687.37
130									0.00
131	41		1'-6" THICK WALL - REF. AX/S1.4 & S1.2						0.00
132	41		#4 @12" HORIZ. EF	2	3	4	ST	107.50	430.86
133									0.00
134	41		1'-6" THICK WALL - REF. AY/S1.4 & S1.2						0.00
135	41		#5 @12" VERT.	1	156	5	ST	6.00	976.25
136	41		#4 @12" HORIZ. EF	2	5	4	ST	170.25	1137.27
137									0.00
138	41		1'-6" THICK WALL - REF. AY/S1.4 & S1.3						0.00
139	41		#5 @12" VERT.	1	340	5	ST	6.00	2127.72
140	41		#4 @12" HORIZ. EF	2	5	4	ST	392.00	2618.56
141	41		#4 COR.	3	5	4	LB	4.00	40.08
142									0.00
143	41		1'-6" THICK WALL - REF. G/S1.4 & S1.3						0.00
144	41		#5 @12" VERT.	1	36	5	HB	7.66	287.62
145	41		#5 @12" VERT.	1	36	5	HB	6.83	256.45
146	41		#4 @12" HORIZ. EF	2	6	4	ST	85.75	687.37
147									0.00
148	32		SLAB ON GRADE - REF. S1.0						0.00
149	32		REF. G,H/S1.4 & S1.1						0.00
150	32		#4 @6" LW.	1	16	4	ST	8.00	85.50

BAR INPUT - FND - Right of Column Line 22

JOB NAME COOK PLANT BUILDING EXPANSION
 LOCATIONS GEORGIA
 BID DATE Friday, February 04, 2022

SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight(LBS)
151	32		#4 @6" SW.	1	17	4	ST	7.50	85.17
152	32		#4 @6" DWL.	1	18	4	LB	1.42	17.07
153	32		2-#4 CONT.	1	2	4	ST	6.00	8.02
154	32		3-#4 CONT.	1	3	4	ST	6.00	12.02
155	32		REF. H/S1.4 & S1.1						0.00
156	32		2-#4 CONT.	1	2	4	ST	15.00	20.04
157	32		#4 @12" DWL.	1	16	4	LB	2.66	28.43
158									0.00
159	32		REF. G,H/S1.4 & S1.1						0.00
160	32		#4 @6" LW.	1	16	4	ST	8.00	85.50
161	32		#4 @6" SW.	1	17	4	ST	7.50	85.17
162	32		#4 @6" DWL.	1	18	4	LB	1.42	17.07
163	32		2-#4 CONT.	1	2	4	ST	6.00	8.02
164	32		3-#4 CONT.	1	3	4	ST	6.00	12.02
165	32		REF. H/S1.4 & S1.1						0.00
166	32		2-#4 CONT.	1	2	4	ST	15.00	20.04
167	32		#4 @12" DWL.	1	16	4	LB	2.66	28.43
168									0.00
169	32		REF. AX/S1.4 & S1.2						0.00
170	32		3-#5 CONT.	1	3	5	ST	107.50	336.37
171									0.00
172	32		REF. AY/S1.4 & S1.2						0.00
173	32		3-#5 CONT.	1	3	5	ST	175.00	547.58
174									0.00
175	32		REF. A/S2.2 & S1.2						0.00
176	32		3-#4 CONT.	1	3	4	ST	11.00	22.04
177	32		#3 @16" TRANS.	1	10	3	ST	1.50	5.64
178									0.00
179	32		REF. AY/S1.4 & S1.3						0.00
180	32		3-#5 CONT.	1	3	5	ST	392.00	1226.57
181	32		#5 COR.	3	3	5	HB	5.00	46.94
182									0.00
183	32		REF. G,H/S1.4 & S1.3						0.00
184	32		#4 @6" LW.	3	16	4	ST	8.00	256.51
185	32		#4 @6" SW.	3	17	4	ST	7.50	255.51
186	32		#4 @6" DWL.	3	18	4	LB	1.42	51.22
187	32		2-#4 CONT.	3	2	4	ST	6.00	24.05
188	32		3-#4 CONT.	3	3	4	ST	6.00	36.07
189	32		REF. H/S1.4 & S1.3						0.00
190	32		2-#4 CONT.	3	2	4	ST	15.00	60.12
191	32		#4 @12" DWL.	3	16	4	LB	2.66	85.29
192									0.00
193	85		COMPOSITE DECK SLAB REF. S6.2						0.00
194	85		FLOOR FRAMING PLAN REF. S2.1						0.00
195	85		#4 @24" OVER GIRDERS.	1	328	4	ST	6.00	1314.62
196	85		#3 CONT.	1	1	3	ST	1128.00	424.13
197									0.00
198									0.00
199									0.00
200									0.00
Total Weight									60366.52