

Rebar Estimation Cover Sheet

CHILLER PLANT EXPANSION
150 WILLIAMSON RD,CLEMSON, SC 29634

Revision No : 0

Bid Date 25-Jul-24
Estimated by:

Address: 150 WILLIAMSON RD,
CLEMSON, SC 29634

Architect: Compass 5 Partners, LLC

Engineer: RMF ENGINEERING, INC.

Specifications : NONE

Addendum : YES

Drawing Used For Estimate :
ARCHITECTURAL DRAWINGS
A-001 to A-702 (DATED:06/08/2024)

STRUCTURAL DRAWINGS
S-001 to S-802 (DATED: 07/19/2024)

CIVIL DRAWINGS
C-000 TO C-802 (DATED: 07/19/2024)

Inclusion : Building Foundation: Pad Footing,Wall Footing, Retaining wall & Slab on Grade.
Sitework - Pavement, Sidewalk & Transformer pad

Notes :
1. All Reinforcing bars shall be Deformed ASTM A-615, Grade60
2. All rebar splice details are followed as per ACI manual
3. We have estimated Chiller pad reinforcement as Alternate #1 as per plan notes (Ref:S-202)
4. We have estimated Pump House pad reinforcement as Alternate #2 as per plan notes (Ref:S-202)

Exclusion: 1. None.

CODE	ELEMENTS	BAR WEIGHT
	BUILDING	
100	PAD FOOTING	30867.81
101	WALL FOOTING	84049.79
102	CONCRETE PIER	1070.89
103	CONCRETE WALL	54792.44
104	SLAB ON GRADE	23864.27
105	18" THK CHILLER PAD (ALTERNATE #1)	2720.49
106	6" THK PUMP HOUSE PAD (ALTERNATE #2)	473.52
	SITWORK	
201	SITE ELEMENTS	29059.61
Total Weight in "Lbs"		226898.82

BUILDING	
Concrete Estimation Weight:-	
Total Estimation Weight for Concrete "LBS"	194645.20
Total Estimation Weight for Concrete "Ton"	97.32
BUILDING (ALTERNATE #1)	
Concrete Estimation Weight:-	
Total Estimation Weight for Concrete "LBS"	2720.49
Total Estimation Weight for Concrete "Ton"	1.36
BUILDING (ALTERNATE #2)	
Concrete Estimation Weight:-	
Total Estimation Weight for Concrete "LBS"	473.52
Total Estimation Weight for Concrete "Ton"	0.24
SITWORK	
Concrete Estimation Weight:-	
Total Estimation Weight for Concrete "LBS"	29059.61
Total Estimation Weight for Concrete "Ton"	14.52980524
Total Estimation Weight in this Project "LBS"	
226898.82 LBS	
Total Estimation Weight in this Project "Tons"	
113.45 Tons	

Rebar Estimation Takeoff Sheet	
CHILLER PLANT EXPANSION	
150 WILLIAMSON RD,CLEMSON, SC 29634	
Bid Date : 25-Jul-24	

BUILDING

100. PAD FOOTING

Sac

Sum of Weight(LBS)	Bend Type		
Bar Dia	LB	ST	Grand Total
4	1453.234		1453.234
6		4187.576	4187.576
7		13980.96	13980.96
8		11246.04	11246.04
Grand Total	1453.234	29414.576	30867.81

101. WALL FOOTING

Sac

101

Sum of Weight(LBS)	Bend Type				
Bar Dia	HB	LB	SL	ST	Grand Total
4		2428.18			2428.18
5	1339.76479			2449.779626	3789.544416
6	12724.944		17543.36	2067.478968	32335.78297
7	257.544			4343.5	4601.044
8	10294.986		1281.6	28655.65191	40232.23791
9	663				663
Grand Total	25280.23879	2428.18	18824.96	37516.41051	84049.7893

102. CONCRETE PIER

Sac

102

Sum of Weight(LBS)	Bend Type	
Bar Dia	LB	Grand Total
4	1070.893512	1070.893512
Grand Total	1070.893512	1070.893512

103. CONCRETE WALL

Sac

103

Sum of Weight(LBS)	Bend Type				
Bar Dia	HB	LB	SL	ST	Grand Total
4		701.206948	320.64	78.40984	1100.256788
5			5507.04	4890.456058	10397.49606
6			7209.6	31944.78834	39154.38834
7	384.25156			654.08	1038.33156
8				1844.3025	1844.3025
9				1257.66	1257.66
Grand Total	384.25156	701.206948	13037.28	40669.69673	54792.43524

104. SLAB ON GRADE

Sac

104

Sum of Weight(LBS)	Bend Type				
Bar Dia	HB	LB	SL	ST	Grand Total
4		1850.64056	20093.44	78.115586	22022.19615
5	619.63587		625.8	596.642935	1842.078805
Grand Total	619.63587	1850.64056	20719.24	674.758521	23864.27495

105. CHILLER PAD (ALTERNATE #1)

Sac

105

Sum of Weight(LBS)	Bend Type			
Bar Dia	HB	LB	ST	Grand Total
4		130.26		130.26
6	1430.29452		1159.93452	2590.22904
Grand Total	1430.29452	130.26	1159.93452	2720.48904

106. PUMP HOUSE PAD (ALTERNATE #2)

Sac

106

Sum of Weight(LBS)	Bend Type	
Bar Dia	ST	Grand Total
5	473.522	473.522
Grand Total	473.522	473.522

201. SITE ELEMENTS

Sac

201

Sum of Weight(LBS)	Bend Type			
Bar Dia	LB	SL	ST	Grand Total
4	677.25848		96.192	773.45048
5		28286.16		28286.16
Grand Total	677.25848	28286.16	96.192	29059.61048

Estimated Weight Summary by Bent Type

Sac	(All)
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Sum of Weight(LBS)	Bend Type				
Bar Dia	HB	LB	SL	ST	Grand Total
4		8311.6735	20414.08	252.717426	28978.47093
5	1959.40066		34419	8410.400619	44788.80128
6	14155.23852		24752.96	39359.77782	78267.97634
7	641.79556			18978.54	19620.33556
8	10294.986		1281.6	41745.99441	53322.58041
9	663			1257.66	1920.66
Grand Total	27714.42074	8311.6735	80867.64	110005.0903	226898.8245

Estimated Weight Summary by bar size

Sum of Weight(LBS)	
Bar Dia	Total
4	28978.47093
5	44788.80128
6	78267.97634
7	19620.33556
8	53322.58041
9	1920.66
Grand Total	226898.8245

Stock Length Summary

Bar Size	40' SL PCS
#4	764
#5	825
#6	412
#8	12

Rebar Estimation Takeoff Sheet					
CHILLER PLANT EXPANSION					
150 WILLIAMSON RD,CLEMSON, SC 29634					
ACCESSORIES					
				Bid Date	25-Jul-24
BUILDING					
Level	Element	Accessories Detail	Quantity	Unit	Remarks
SHEET NO: S-201 FOUNDATION PLAN	PAD FOOTINGS	3" CPD	247	PCS	37 LOCS
	WALL FOOTINGS	3" CPD	420	PCS	467.75 LFT
	6" THK SLAB ON GRADE	2.25" IHCWP	391	PCS	6233 SQ.FT
	4" THK HOUSE KEEPING PAD	1.75" IHCWP	39	PCS	600 SQ.FT
	4" THK EQUIPMENT PAD	1.75" IHCWP	5	PCS	50 SQ.FT
	18" THK CHILLER PAD (ALTERNATE #1)	2" IHCWP	26	PCS	360 SQ.FT
	6" THK PUMP HOUSE PAD (ALTERNATE #2)	2" IHCWP	28	PCS	200 SQ.FT
SHEET NO: C201 SITE PLAN	8" THK CONCRETE PAVEMENT	2 3/4" IHCWP	764	PCS	12195 SQ.FT
	4" THK SIDEWALK	2" IHCWP	8	PCS	110 SQ.FT
	6" THK TRANSFORMER PAD	2" IHCWP	24	PCS	360 SQ.FT
ESTIMATED WIRE MESH DETAILS - BASE BID					
SHEET NO: S-201 FOUNDATION PLAN	4" THK HOUSE KEEPING PAD	6"x6" W2.9xW2.9 WWF (8'-0"x20'-0")	5	PCS	600 SQ.FT
	4" THK EQUIPMENT PAD	6"x6" W2.9xW2.9 WWF (8'-0"x20'-0")	1	PCS	50 SQ.FT
SHEET NO: C201 SITE PLAN	4" THK SIDEWALK	6x6-W1.4xW1.4 W.W.F (8'-0"x20'-0")	1	PCS	110 SQ.FT
ESTIMATED SMOOTH DETAILS - BASE BID					
SHEET NO: S-201 FOUNDATION PLAN	6" THK SLAB ON GRADE	3/4" DIA 14" LONG @18" O.C SMOOTH DWLS	48	PCS	REF:15/S-501)

BAR INPUT - FOOTINGS, SLAB ON GRADE, WALLS & SITEWORK

JOB NAME CHILLER PLANT EXPANSION
 LOCATIONS 150 WILLIAMSON RD,CLEMSON, SC 29634
 BID DATE Thursday, July 25, 2024

SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight(LBS)	Grade
1	100		SHEET NO: S-201 FOUNDATION PLAN						0.00	
2	100		REF: PAD FOOTING (REFER:S-201)						0.00	
3	100		F70(7'-0"x7'-0"x1'-6"DP) @ 9 LOCS						0.00	
4	100		7#6 T&B EW	9	28	6	ST	7.00	2649.53	
5	100		#4@48" STANDEES EW	9	4	4	LB	7.50	180.36	
6	100								0.00	
7	100		F80(8'-0"x8'-0"x1'-6"DP) @ 2 LOCS						0.00	
8	100		8#6 T&B EW	2	32	6	ST	8.00	769.02	
9	100		#4@48" STANDEES EW	2	5	4	LB	7.50	50.10	
10	100								0.00	
11	100		F80A(8'-0"x8'-0"x2'-0"DP) @ 2 LOCS						0.00	
12	100		8#6 T&B EW	2	32	6	ST	8.00	769.02	
13	100		#4@48" STANDEES EW	2	5	4	LB	8.50	56.78	
14	100								0.00	
15	100		F90A(9'-0"x9'-0"x2'-6"DP) @ 5 LOCS						0.00	
16	100		10#7 T&B EW	5	40	7	ST	9.00	3679.20	
17	100		#4@48" STANDEES EW	5	6	4	LB	9.50	190.38	
18	100								0.00	
19	100		F90B(9'-0"x9'-0"x3'-0"DP) @ 5 LOCS						0.00	
20	100		12#7 T&B EW	5	48	7	ST	9.00	4415.04	
21	100		#4@48" STANDEES EW	5	6	4	LB	10.50	210.42	
22	100								0.00	
23	100		F10(10'-0"x10'-0"x1'-6"DP) @ 5 LOCS						0.00	
24	100		10#7 T&B EW	5	40	7	ST	10.00	4088.00	
25	100		#4@48" STANDEES EW	5	8	4	LB	7.50	200.40	
26	100								0.00	
27	100		F10A(10'-0"x10'-0"x2'-0"DP) @ 2 LOCS						0.00	
28	100		11#7 T&B EW	2	44	7	ST	10.00	1798.72	
29	100		#4@48" STANDEES EW	2	8	4	LB	8.50	90.85	
30	100								0.00	
31	100		F11(11'-0"x11'-0"x2'-0"DP) @ 1 LOCS						0.00	
32	100		8#8 T&B EW	1	32	8	ST	11.00	939.84	
33	100		#4@48" STANDEES EW	1	9	4	LB	8.50	51.10	
34	100								0.00	
35	100		F115(11'-6"x11'-6"x1'-6"DP) @ 2 LOCS						0.00	
36	100		12#8 T&B EW	2	48	8	ST	11.50	2947.68	
37	100		#4@48" STANDEES EW	2	10	4	LB	7.50	100.20	
38	100								0.00	
39	100		F125(12'-6"x12'-6"x3'-0"DP) @ 2 LOCS						0.00	
40	100		13#8 T&B EW	2	52	8	ST	12.50	3471.00	
41	100		#4@48" STANDEES EW	2	11	4	LB	10.50	154.31	
42	100								0.00	
43	100		F13(13'-0"x13'-0"x3'-0"DP) @ 2 LOCS						0.00	
44	100		14#8 T&B EW	2	56	8	ST	13.00	3887.52	
45	100		#4@48" STANDEES EW	2	12	4	LB	10.50	168.34	
46	100								0.00	
47	101		REF: WALL FOOTING						0.00	
48	101		WF(3'-0"x2'-0") (SEC:6/S-502) [113 LFT]						0.00	
49	101		#6@12" BOT SW	1	114	6	ST	3.00	513.68	
50	101		4#6 BOT LW	3	4	6	SL	40.00	720.96	
51	101		4#6 BOT LW	1	4	6	ST	1.70	10.22	
52	101								0.00	
53	101		WF(12'-6"x2'-0") (SEC:5/S-502) [28 LFT]						0.00	
54	101		#7@12" T&B SW	1	58	7	ST	12.50	1481.90	
55	101		#5@12" BOT LW	1	14	5	ST	30.58	446.57	
56	101		#5@12" TOP LW	1	14	5	ST	31.33	457.48	
57	101		#4@48" STANDEES EW	1	23	4	LB	8.50	130.59	
58	101								0.00	
59	101		WF(17'-6"x2'-0") (SEC:2/S-502) [39 LFT]						0.00	
60	101		#7@12" T&B SW	1	80	7	ST	17.50	2861.60	
61	101		#5@12" BOT LW	1	19	5	ST	39.00	772.86	
62	101		#5@12" TOP LW	1	19	5	ST	39.00	772.86	
63	101		#4@48" STANDEES EW	1	32	4	LB	8.50	181.70	
64	101		#5 BOT COR	1	20	5	HB	5.17	107.76	
65	101		#5 TOP COR	1	20	5	HB	6.66	138.93	
66	101								0.00	
67	101		WF(19'-0"x2'-6") (SEC:1,4/S-502) [268 LFT]						0.00	
68	101		#8@12" T&B SW	1	538	8	ST	19.00	27292.74	
69	101		#6@12" BOT LW	7	20	6	SL	40.00	8411.20	
70	101		#6@12" BOT LW	1	20	6	ST	8.64	259.43	
71	101		#6@12" TOP LW	7	20	6	SL	40.00	8411.20	
72	101		#6@12" TOP LW	1	20	6	ST	14.80	444.59	
73	101		#4@48" STANDEES EW	1	320	4	LB	9.50	2030.72	
74	101		#6 BOT COR	1	20	6	HB	6.16	185.05	
75	101		#6 TOP COR	1	20	6	HB	8.00	240.32	
76	101		#6@12" BOT STEP BAR (2 LOCS)	2	20	6	HB	8.16	490.25	
77	101		#6@12" TOP STEP BAR ES (2 LOCS)	2	20	6	HB	7.33	440.57	
78	101		#6@12" BOT STEP BAR (4 LOCS)	4	20	6	HB	8.16	980.51	
79	101		#6@12" TOP STEP BAR ES (4 LOCS)	4	20	6	HB	7.33	881.13	
80	101		2#8 CONT. @KEY FOOTING	6	2	8	SL	40.00	1281.60	

BAR INPUT - FOOTINGS, SLAB ON GRADE, WALLS & SITEWORK

JOB NAME CHILLER PLANT EXPANSION
 LOCATIONS 150 WILLIAMSON RD, CLEMSON, SC 29634
 BID DATE Thursday, July 25, 2024

SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight(LBS)	Grade
81	101		2#8 CONT. @KEY FOOTING	1	2	8	ST	24.23	129.37	
82	101		#6@12" U-BAR	1	235	6	HB	15.00	5294.55	
83	101								0.00	
84	101		WF(11'-0"x2'-0") (SEC:7/S-502) [19.75 LFT]						0.00	
85	101		#8@12" T&B SW	1	42	8	ST	11.00	1233.54	
86	101		#6@12" BOT LW	1	12	6	ST	22.83	411.49	
87	101		#6@12" TOP LW	1	12	6	ST	23.75	428.07	
88	101		#4@48" STANDEES EW	1	15	4	LB	8.50	85.17	
89	101								0.00	
90	102		REF: CONCRETE PIER						0.00	
91	102		P18(18"x18") (SEC:4/S-606 & 5/S-502)						0.00	
92	102		T/FTG: (-)1'-0" TO T/PIER:0'-0"						0.00	
93	101		8#6 D/V	1	8	6	HB	4.00	48.06	
94	102		#4@3" TIES	1	5	4	LB	10.68	35.67	
95	102								0.00	
96	102		P18(18"x26") (SEC:4/S-606 & 2/S-503) @10 LOCS						0.00	
97	102		T/FTG: (-)1'-0" TO T/PIER:0'-0"						0.00	
98	101		8#6 D/V	10	8	6	HB	4.00	480.64	
99	102		#4@3" TIES	10	5	4	LB	12.68	423.55	
100	102								0.00	
101	102		P18(18"x26") (SEC:4/S-606 & 2/S-503)						0.00	
102	102		T/FTG: (-)2'-4" TO T/PIER:0'-0"						0.00	
103	101		8#6 D/V	1	8	6	HB	5.33	64.05	
104	102		#4@3" TIES	1	11	4	LB	12.68	93.18	
105	102								0.00	
106	102		P18(24"x38") (SEC:4/S-606 & 7/S-503) @3 LOCS						0.00	
107	102		T/FTG: (-)2'-4" TO T/PIER:0'-0"						0.00	
108	101		10#8 D/V	3	10	8	HB	6.66	533.47	
109	102		#4@3" TIES	3	11	4	LB	23.52	518.50	
110	102								0.00	
111	103		REF: CONCRETE WALL						0.00	
112	103		24" THK CONCRETE WALL (SEC:1/S-502) [222.67' LFT]						0.00	
113	103		T/FTG: (-)1'-0" TO T/WALL:20'-8"						0.00	
114	101		#8@6" DWLS OF	1	405	8	HB	8.00	8650.80	
115	101		#6@12" DWLS IF	1	203	6	HB	6.50	1981.89	
116	103		#6@6" VEF	1	810	6	ST	12.34	15013.09	
117	103		#6@6" VEF	1	90	6	ST	13.67	1847.91	
118	103		#6@18" HEF	6	20	6	SL	40.00	7209.60	
119	103		#6@18" HEF	1	20	6	ST	4.94	148.31	
120	103		#6@18" HEF	1	4	6	ST	22.00	132.18	
121	103		#6@12" DWLS EF	1	448	6	ST	5.00	3364.48	
122	103		#6@18" COR EF	1	20	6	ST	8.00	240.32	
123	103		#4@48" SPACERS EW	1	173	4	LB	2.88	332.25	
124	103		16" THK CONCRETE WALL (SEC:1/S-502) [222.67' LFT]						0.00	
125	103		#6@12" VEF	1	448	6	ST	9.33	6278.12	
126	103		#5@12" HEF	6	22	5	SL	40.00	5507.04	
127	103		#5@12" HEF	1	22	5	ST	1.21	27.70	
128	103		#5@12" COR EF	1	22	5	ST	6.66	152.82	
129	103		#4@48" SPACERS EW	1	131	4	LB	2.21	192.96	
130	103								0.00	
131	103		24" THK CONCRETE WALL (SEC:3/S-502) [25.167' LFT]						0.00	
132	103		T/FTG: (-)1'-0" TO T/WALL:20'-8"						0.00	
133	101		#8@6" DWLS OF	1	52	8	HB	8.00	1110.72	
134	101		#6@12" DWLS IF	1	27	6	HB	6.50	263.60	
135	103		#8@6" VOF	1	52	8	ST	9.00	1249.56	
136	103		#6@12" VIF	1	27	6	ST	9.00	364.99	
137	103		#6@12" HEF	1	14	6	ST	29.17	613.32	
138	103		#5@12" DWLS EF	1	54	5	ST	4.00	225.29	
139	103		#8@12" VOF	1	27	8	ST	8.25	594.74	
140	103		#6@12" VIF	1	27	6	ST	8.25	334.57	
141	103		#5@18" HEF	1	12	5	ST	28.50	356.67	
142	103		#6@12" VIF	1	54	6	ST	9.42	764.04	
143	103		#5@18" HEF	1	16	5	ST	28.50	475.56	
144	103		#4@48" SPACERS EW	1	34	4	LB	2.88	65.30	
145	103								0.00	
146	103		24" THK CONCRETE WALL (SEC:3/S-502) [19' LFT]						0.00	
147	101		#6@6" DWLS EF	1	78	6	HB	7.50	878.67	
148	103		#6@12" VIF	1	20	6	ST	16.00	480.64	
149	103		#7@12" VOF	1	20	7	ST	16.00	654.08	
150	103		#6@12" HEF	1	28	6	ST	19.00	799.06	
151	103		#5@12" DRILL DWLS EF	1	34	5	ST	2.50	88.66	
152	103								0.00	
153	103		24" THK CONCRETE WALL (SEC:2/S-502) [29' LFT]						0.00	
154	103		T/FTG: (-)1'-0" TO T/WALL:11'-4"						0.00	
155	101		#9@12" DWLS OF	1	30	9	HB	6.50	663.00	
156	101		#6@12" DWLS OF	1	30	6	HB	6.00	270.36	
157	103		#9@12" VOF	1	30	9	ST	12.33	1257.66	
158	103		#6@12" VIF	1	30	6	ST	12.33	555.59	
159	103		#5@12" HEF	1	28	5	ST	32.33	944.17	
160	103		#4@48" SPACERS EW	1	24	4	LB	2.88	46.09	

BAR INPUT - FOOTINGS, SLAB ON GRADE, WALLS & SITEWORK

JOB NAME CHILLER PLANT EXPANSION
 LOCATIONS 150 WILLIAMSON RD,CLEMSON, SC 29634
 BID DATE Thursday, July 25, 2024

SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight (LBS)	Grade
161	103								0.00	
162	103		13" THK CONCRETE WALL (SEC:2/S-502) [29' LFT]						0.00	
163	103		T/FTG:11'-4" TO T/WALL:VARIES						0.00	
164	103		#5@12" DWLS EF	1	60	5	ST	4.00	250.32	
165	103		#6@12" VEF	1	20	6	ST	6.67	200.37	
166	103		#5@12" HEF	1	16	5	ST	8.25	137.68	
167	103		#6@12" VEF	1	14	6	ST	5.33	112.08	
168	103		#5@12" HEF	1	14	5	ST	9.33	136.24	
169	103		#6@12" VEF	1	14	6	ST	4.00	84.11	
170	103		#5@12" HEF	1	10	5	ST	9.33	97.31	
171	103		#6@12" VEF	1	18	6	ST	2.75	74.35	
172	103		#5@12" HEF	1	8	5	ST	14.66	122.32	
173	103								0.00	
174	103		16" THK CONCRETE WALL (SEC:5/S-502) [19.25' LFT]						0.00	
175	103		T/FTG:(-)1'-0" TO T/WALL:VARIES						0.00	
176	101		#7@12" DWLS EF	1	21	7	HB	6.00	257.54	
177	103		#7@12" VEF	1	11	7	HB	9.67	217.42	
178	103		#7@12" VEF	1	11	7	HB	7.42	166.83	
179	103		#5@12" HEF	1	22	5	ST	10.00	229.46	
180	103		#5@12" HEF	1	18	5	ST	15.91	298.69	
181	103		#5@12" DWLS EF	1	42	5	ST	4.00	175.22	
182	103		#4@48" SPACERS EW	1	12	4	LB	2.21	17.70	
183	103		13" THK CONCRETE WALL (SEC:5/S-502) [19.25' LFT]						0.00	
184	103		#6@12" VEF	1	10	6	ST	4.00	60.08	
185	103		#5@12" HEF	1	10	5	ST	7.33	76.45	
186	103		#6@12" VEF	1	14	6	ST	2.75	57.83	
187	103		#5@12" HEF	1	8	5	ST	9.33	77.85	
188	103		#6@12" VEF	1	14	6	ST	3.75	78.86	
189	103		#5@12" HEF	1	10	5	ST	9.33	97.31	
190	103		#6@12" VEF	1	14	6	ST	2.75	57.83	
191	103		#5@12" HEF	1	8	5	ST	9.33	77.85	
192	103								0.00	
193	103		13" THK CONCRETE WALL (SEC:6/S-502) [23.25' LFT]						0.00	
194	103		T/FTG:(-)1'-0" TO T/WALL:VARIES						0.00	
195	101		#6@12" DWLS EF	1	25	6	HB	6.00	225.30	
196	103		#6@12" VEF	1	10	6	ST	8.25	123.92	
197	103		#5@12" HEF	1	20	5	ST	8.75	182.53	
198	103		#6@12" VEF	1	7	6	ST	7.00	73.60	
199	103		#5@12" HEF	1	16	5	ST	9.33	155.70	
200	103		#6@12" VEF	1	10	6	ST	5.67	85.16	
201	103		#5@12" HEF	1	14	5	ST	11.83	172.74	
202	103		#4@48" SPACERS EW	1	23	4	LB	2.13	32.65	
203	103		#5@12" COR EF	1	14	5	ST	6.66	97.25	
204	103		#5@24" CMU DWLS (SEC:11/S-304)	1	45	5	ST	5.00	234.68	
205	103								0.00	
206	103		15" THK CURB WALL (SEC:5/S-503) [140 LFT]						0.00	
207	101		#5@16" DWLS	1	107	5	HB	5.66	631.66	
208	103		4#4 CONT.	3	4	4	SL	40.00	320.64	
209	103		4#4 CONT.	1	4	4	ST	29.35	78.41	
210	103		4#4 COR (1 LOCS)	1	4	4	LB	5.34	14.27	
211	101		#5@24" CMU DWLS	1	83	5	HB	5.33	461.41	
212	103								0.00	
213	104		REF: SLAB ON GRADE						0.00	
214	104		6" THK SLAB ON GRADE [AREA:13350 SQ.FT]						0.00	
215	104		#4@12" MID EW	1	742	4	SL	40.00	19826.24	
216	104		3#5 CONT. @THICKENED (SEEC:11/S501)	5	3	5	SL	40.00	625.80	
217	104		3#5 CONT. @THICKENED (SEEC:11/S501)	1	3	5	ST	12.92	40.41	
218	104		#4@12" DWLS @THICKENED	1	201	4	LB	7.00	939.88	
219	104		#5@24" CMU DWLS (SEC:11/S-304)	1	123	5	HB	4.83	619.64	
220	104		#4@12" DWLS (SEC:12/S-501)	1	118	4	LB	4.67	368.11	
221	104		2#4 CONT. (SEC:12/S-501)	3	2	4	SL	40.00	160.32	
222	104		2#4 CONT. (SEC:12/S-501)	1	2	4	ST	4.81	6.43	
223	104		2#4 COR (2 LOCS)	2	2	4	LB	5.34	14.27	
224	104		1#5 RE-ENTRANT BAR (20 LOCS)	20	1	5	ST	2.00	41.72	
225	104								0.00	
226	104		4" THK HOUSE KEEPING PAD (SEC:2/S-501) [600 SQ.FT]						0.00	
227	104		6"x6" W2.9xW2.9 WWF (8'-0"x20'-0")	1	5				0.00	
228	104								0.00	
229	104		4" THK EQUIPMENT PAD (SEC:2/S-501) [50 SQ.FT]						0.00	
230	104		6"x6"-W2.9xW2.9 WWF (8'-0"x20'-0")	1	3				0.00	
231	104								0.00	
232	104		12" THK CONC. VAULT SLAB (SEC:9/S501)						0.00	
233	104		#5@12" T&B SW	1	60	5	ST	3.50	219.03	
234	104		#5@12" T&B LW	1	10	5	ST	28.33	295.48	
235	104		#4@48" STANDEES EW	1	10	4	LB	6.50	43.42	
236	104								0.00	
237	104		6" THK CONC. VAULT WALL (SEC:9/S501) [66.83 LFT]						0.00	
238	104		#4@12" D/V	1	68	4	LB	7.50	340.68	
239	104		#4@12" HOR	1	4	4	SL	40.00	106.88	
240	104		#4@12" HOR	1	4	4	ST	26.83	71.69	

BAR INPUT - FOOTINGS, SLAB ON GRADE, WALLS & SITEWORK

JOB NAME CHILLER PLANT EXPANSION
 LOCATIONS 150 WILLIAMSON RD,CLEMSON, SC 29634
 BID DATE Thursday, July 25, 2024

SL.No	Sac	Struc	Element	Multi	Qty	Bar Dia	Bend Type	Length	Weight (LBS)	Grade
241	104		#4@12" COR	1	4	4 LB		33.00	88.18	
242	104								0.00	
243	104		THICKENED FOOTING (3'-0"x3'-0") (SEC:11/S-501) @2 LOCS						0.00	
244	104		3#4 BOT EW	2	6	4 LB		7.00	56.11	
245	104								0.00	
246	105		18" THK CHILLER PAD (SEC:3/S-501) @2 LOCS						0.00	
247	105		#6@12" BOT SW	2	19	6 ST		10.00	570.76	
248	105		#6@12" BOT LW	2	11	6 ST		17.83	589.17	
249	105		#6@12" TOP SW	2	19	6 HB		13.00	741.99	
250	105		#6@12" TOP LW	2	11	6 HB		20.83	688.31	
251	105		#4@48" STANDEES EW	2	13	4 LB		7.50	130.26	
252	106								0.00	
253	106		6" THK PUMP HOUSE PAD (SEC:3/S-501) @4 LOCS						0.00	
254	106		#5@12" MID SW	4	11	5 ST		5.00	229.46	
255	106		#5@12" MID LW	4	6	5 ST		9.75	244.06	
256	106								0.00	
257	201		SHEET NO: C201 SITE PLAN						0.00	
258	201		REF: CONCRETE PAVING						0.00	
259	201		8" THK CONC. PAVEMENT [AREA:12195 SQ.FT] (SHT:FF/C-704)						0.00	
260	201		#5@12" MID EW	1	678	5 SL		40.00	28286.16	
261	201								0.00	
262	201		REF: SIDEWALK						0.00	
263	201		4" THK SIDEWALK [AREA:110 SQ.FT]						0.00	
264	201		6x6-W1.4xW1.4 WWF (8'-0"x20'-0")	1	1				0.00	
265	201								0.00	
266	201		REF: TRANSFORMER PAD						0.00	
267	201		6" THK TRANSFORMER PAD [AREA:360 SQ.FT]						0.00	
268	201		#4@12" MID SW	2	19	4 LB		12.75	323.65	
269	201		#4@12" MID LW	2	10	4 LB		21.00	280.56	
270	201		2#4 EDGE CONT.	4	2	4 LB		13.67	73.05	
271	201		2#4 EDGE CONT.	4	2	4 ST		18.00	96.19	
272	201								0.00	
273	105								0.00	
274	105								0.00	
275	105								0.00	
Total Weight									226898.82	