

Rebar Estimation

Cover Sheet

Estimator : KRS

Revision No : 0

Bid Date : 5/14/2018

Bid Type : Lump Sum

Project No : KRS - 012

Project Name: MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Address: 5345 Goring St. & 2360/2390 Douglas Rd.
Burnaby, BC, Canada

Drawing Issued: Lot A - 09/22/2017 & Lot B - 10/30/2017

Addendum : Addendum #2, #3 & #4

Job Code:

CODE	ELEMENTS - Phase 1 - Lot A	BAR WEIGHT
101	Isolated Footing	33880.24
102	Continuous Footing	14660.99
103	Mat Footing	176967.47
104	Concrete Wall Dowels	10738.28
105	Concrete Wall	166483.81
106	Concrete Column Dowels	40950.28
107	Concrete Column	666310.19
108	Shear Wall Dowels (Weldable)	56470.03
109	Shear Wall (Weldable)	1938342.01
110	Slab on Grade Additional	1822.14
111	Concrete Slab and Additional - Level P1	199780.58
112	Concrete Slab and Additional - 1st Floor	365346.52
113	Concrete Slab and Additional - 2nd Floor	153179.13
114	Concrete Slab and Additional - 3rd Floor	164251.77
115	Concrete Slab and Additional - 4th Floor	425625.35
116	Concrete Slab and Additional - 5th Floor	36262.98
117	Concrete Slab and Additional - 6th thru 27th Floor	787108.25
118	Concrete Slab and Additional - 28th Floor	35777.65
119	Concrete Slab and Additional - 29th Floor	45207.17
120	Concrete Slab and Additional - 30th thru 31st Floor	62728.94
121	Concrete Slab and Additional - 32nd Floor	40572.69
122	Concrete Slab and Additional - 33th Floor	24229.09
123	Concrete Slab and Additional - 34th Floor	9691.92
124	Concrete Slab and Additional - Roof Level	3995.86
125	Concrete Stair	38913.50
126	Masonry Wall Dowels	2408.71
	Total Weight in "Lbs"	5501705.55

Rebar Estimation

Cover Sheet

Estimator : KRS

Revision No : 0

Bid Date : 5/14/2018

Bid Type : Lump Sum

CODE	ELEMENTS - Phase 2 - Lot B	BAR WEIGHT
201	Isolated Footing	24039.37
202	Continuous Footing	6188.64
203	Mat Footing	108351.93
204	Concrete Wall Dowels	6574.49
205	Concrete Wall	122813.13
206	Concrete Column Dowels	25589.71
207	Concrete Column	533781.58
208	Shear Wall Dowels (Weldable)	18666.17
209	Shear Wall (Weldable)	1088550.54
210	Slab on Grade Additional	1329.14
211	Concrete Slab and Additional - Level P1	59975.45
212	Concrete Slab and Additional - 1st Floor	114365.80
213	Concrete Slab and Additional - 2nd Floor	54059.50
214	Concrete Slab and Additional - 3rd Floor	59643.79
215	Concrete Slab and Additional - 4th Floor	237002.38
216	Concrete Slab and Additional - 5th Floor	36748.31
217	Concrete Slab and Additional - 6th thru 21st Floor	572442.37
218	Concrete Slab and Additional - 22nd Floor	35777.65
219	Concrete Slab and Additional - 23rd Floor	46171.26
220	Concrete Slab and Additional - 24th & 25th Floor	63351.56
221	Concrete Slab and Additional - 26th Floor	41072.58
222	Concrete Slab and Additional - 27th Floor	24229.09
223	Concrete Slab and Additional - 28th Floor	9691.92
224	Concrete Slab and Additional - Roof Level	3011.27
225	Concrete Stair	28656.32
226	Masonry Wall Dowels	2263.71
	Total Weight in "Lbs"	3324347.66

Rebar Estimation

Cover Sheet

Estimator : KRS

Revision No : 0

Bid Date : 5/14/2018

Bid Type : Lump Sum

Assumptions : -

Inclusion : Lot A & B:-

Isolated Footing, Continuous Footing, Mat Footing, Concrete Wall, Concrete Column , Slab on Grade Additional, Concrete Slab and Additional - Level P1 thru Roof Level, Concrete Stairs, Shear Wall and Masonry Wall Dowels

Exclusion:

- 1) Sitework and Masonry Structures - Not in our Scope
- 2) Slab on Grade (Ref:S3.0) - No Reinforcement
- 3) In Lot A Shear Wall DL-1,2,3,4,5 (Ref:S16) - No Reinforcement Details
- 4) Addendum #1 - Not Available.

Notes :

- 1) All Bars shall conform to CSA G30.18 400 Mpa.
- 2) All Bars in Shear wall shall conform to CSA G30.18 (Weldable Grade)
- 3) For Shear Wall (Ref:S-17 & S-18), Vertical Reinforcement Each Floor once lap Splice.
- 4) For Concrete Column (Ref:S-19), Vertical Lap Splice Each Floor Once.
- 5) For Shear Wall as per Section (Ref:1/S-17), we have included Mechanical Terminators As Follows:-

Lot A,

20M = 96 Each
25M = 352 Each
30M = 672 Each

Lot B,

20M = 96 Each
25M = 224 Each
30M = 672 Each

- 6) The following stock lengths were used in this project.
10M = 19'-8", 15M & 20M = 29'-6" and 25M and above 39'-4".

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A. Estimated Weight Summary by Elements

A1. Isolated Footing

CODE	101
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	HB	ST	Grand Total
20	646.821	3830.100	4476.921
25		6584.220	6584.220
30		22819.100	22819.100
Grand Total	646.821	33233.420	33880.241

A2. Continuous Footing

CODE	102
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		185.760			185.760
15				474.044	474.044
20	207.276		1772.360	1309.744	3289.380
25				7416.358	7416.358
30				3295.450	3295.450
Grand Total	207.276	185.760	1772.360	12495.595	14660.991

A3. Mat Footing

CODE	103
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
15	4470.903	3898.004	254.231	8623.138
20	8690.488		3159.341	11849.829
25			7624.647	7624.647
30	4419.408	5423.819	33809.467	43652.695
35		18520.571	86696.588	105217.159
Grand Total	17580.799	27842.394	131544.275	176967.468

A4. Concrete Wall Dowels

CODE	104
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE	
BAR SIZE	HB	Grand Total
15	10738.282	10738.282
Grand Total	10738.282	10738.282

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A5. Concrete Wall

CODE	105
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		1917.484			1917.484
15	39163.599		64963.877	54469.171	158596.646
20				5969.678	5969.678
Grand Total	39163.599	1917.484	64963.877	60438.849	166483.808

A6. Concrete Column Dowels

CODE	106
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	HB		Grand Total
15	654.994		654.994
20	480.609		480.609
25	7592.129		7592.129
30	8099.587		8099.587
35	24122.965		24122.965
Grand Total	40950.283		40950.283

A7. Concrete Column

CODE	107
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	LB		Grand Total
10		199664.037		199664.037
15	8188.764	13963.973		22152.737
20	32273.886			32273.886
25	195831.220			195831.220
30	93612.331			93612.331
35	122775.981			122775.981
Grand Total	452682.183	213628.010		666310.193

A8. Shear Wall Dowels (Weldable)

CODE	108
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	HB	ST	Grand Total
10		90.816	90.816
15	7974.676	6734.459	14709.135
20	2641.373	2603.050	5244.423
25	4318.405	16445.555	20763.960
30	15661.699		15661.699
Grand Total	30596.152	25873.880	56470.033

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A9. Shear Wall (Weldable)

CODE	109
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10	11855.622	180856.433		19769.167	212481.222
15	127996.737	225853.533	20707.201	201109.372	575666.843
20	356824.150		117108.687	81919.793	555852.630
25	7227.882			231179.008	238406.890
30	11322.442			341530.365	352852.807
35				3081.614	3081.614
Grand Total	515226.833	406709.966	137815.888	878589.319	1938342.006

A10. Slab on Grade Additional

CODE	110
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
15	727.315	1066.659	28.161	1822.136
Grand Total	727.315	1066.659	28.161	1822.136

A11. Concrete Slab and Additional - Level P1

CODE	111
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10	5659.488				5659.488
15	9852.253	295.811	81536.525	14299.143	105983.733
20	1687.242		886.180	52598.661	55172.083
25				32965.272	32965.272
Grand Total	17198.983	295.811	82422.705	99863.077	199780.576

A12. Concrete Slab and Additional - 1st Floor

CODE	112
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10	9291.330			45.408	9336.738
15	14765.089	17439.801	56306.355	20061.421	108572.665
20	2627.626		48651.282	53684.783	104963.691
25	909.455			49235.860	50145.315
30			1805.400	44195.070	46000.470
35				46327.644	46327.644
Grand Total	27593.500	17439.801	106763.037	213550.186	365346.524

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A13. Concrete Slab and Additional - 2nd Floor

CODE	113
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE					
BAR SIZE	HB	LB	SL	ST		Grand Total
10	5152.776					5152.776
15	9459.408	1092.584	56121.744	19482.975		86156.711
20	3056.635			49296.673		52353.309
25			2730.289	4245.332		6975.621
30				2540.718		2540.718
Grand Total	17668.820	1092.584	58852.033	75565.698		153179.135

A14. Concrete Slab and Additional - 3rd Floor

CODE	114
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	SL	ST		Grand Total
10	5839.813				5839.813
15	10958.447	59383.205	23070.478		93412.130
20	5257.363		56013.936		61271.299
25			3728.527		3728.527
Grand Total	22055.623	59383.205	82812.941		164251.769

A15. Concrete Slab and Additional - 4th Floor

CODE	115
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE					
BAR SIZE	HB	LB	SL	ST		Grand Total
10	4607.883					4607.883
15	14929.711	43450.944	48029.629	16286.581		122696.864
20	8089.769		2847.792	15764.304		26701.865
25				46935.829		46935.829
30				64052.376		64052.376
35			121196.968	39433.564		160630.532
Grand Total	27627.363	43450.944	172074.389	182472.653		425625.349

A16. Concrete Slab and Additional - 5th Floor

CODE	116
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE					
BAR SIZE	HB	LB	SL	ST		Grand Total
10		1668.262		301.344		1969.606
15	613.201		17630.351	16049.820		34293.371
Grand Total	613.201	1668.262	17630.351	16351.164		36262.977

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A17. Concrete Slab and Additional - 6th thru 27th Floor

CODE	117
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		36701.773			36701.773
15	9442.738		387867.711	353096.031	750406.480
Grand Total	9442.738	36701.773	387867.711	353096.031	787108.253

A18. Concrete Slab and Additional - 28th Floor

CODE	118
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		1668.262			1668.262
15	429.215		17630.351	16049.820	34109.385
Grand Total	429.215	1668.262	17630.351	16049.820	35777.648

A19. Concrete Slab and Additional - 29th Floor

CODE	119
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		3939.295		433.055	4372.350
15	1400.259		21014.886	17162.148	39577.292
20				670.132	670.132
25				587.400	587.400
Grand Total	1400.259	3939.295	21014.886	18852.735	45207.174

A20. Concrete Slab and Additional - 30th thru 31st Floor

CODE	120
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		2830.088			2830.088
15	496.301		29845.445	25305.600	55647.346
20				4251.501	4251.501
Grand Total	496.301	2830.088	29845.445	29557.101	62728.935

A21. Concrete Slab and Additional - 32nd Floor

CODE	121
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		1635.307			1635.307
15	248.151	3461.258	20461.053	13849.204	38019.665
20				917.722	917.722
Grand Total	248.151	5096.565	20461.053	14766.926	40572.695

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A22. Concrete Slab and Additional - 33th Floor

CODE	122
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		3573.885			3573.885
15	788.675		11415.114	6092.705	18296.494
20				2358.711	2358.711
Grand Total	788.675	3573.885	11415.114	8451.416	24229.089

A23. Concrete Slab and Additional - 34th Floor

CODE	123
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		1645.868			1645.868
15	1185.354		5015.266	845.101	7045.721
20				1000.332	1000.332
Grand Total	1185.354	1645.868	5015.266	1845.433	9691.921

A24. Concrete Slab and Additional - Roof Level

CODE	124
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	LB	SL	Grand Total
10	611.322		611.322
15		3384.535	3384.535
Grand Total	611.322	3384.535	3995.857

A25. Concrete Stair

CODE	125
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	HB	ST	Grand Total
10	3371.200	3567.375	6938.575
15	18357.322	10012.800	28370.122
20		3604.800	3604.800
Grand Total	21728.522	17184.975	38913.496

A26. Masonry Wall Dowels

CODE	126
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE	
BAR SIZE	HB	Grand Total
15	2408.708	2408.708
Grand Total	2408.708	2408.708

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

Phase 2 - Lot B

A27. Isolated Footing

CODE	201
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE	
BAR SIZE	ST	Grand Total
15	93.870	93.870
25	8570.700	8570.700
30	15374.800	15374.800
Grand Total	24039.370	24039.370

A28. Continuous Footing

CODE	202
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
15			580.430	580.430
20	180.240	3810.574	1617.400	5608.214
Grand Total	180.240	3810.574	2197.830	6188.644

A29. Mat Footing

CODE	203
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
15	2413.227	2256.739		4669.966
20	3915.384		1357.797	5273.181
25	1345.616		7139.561	8485.177
30	10044.110		17476.751	27520.861
35			62402.742	62402.742
Grand Total	17718.336	2256.739	88376.852	108351.927

A30. Concrete Wall Dowels

CODE	204
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE	
BAR SIZE	HB	Grand Total
15	6574.493	6574.493
Grand Total	6574.493	6574.493

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A31. Concrete Wall

CODE	205
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		1801.348			1801.348
15	28378.463		50297.094	39692.821	118368.378
20				2643.400	2643.400
Grand Total	28378.463	1801.348	50297.094	42336.221	122813.126

A32. Concrete Column Dowels

CODE	206
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	HB		Grand Total
20	2350.864		2350.864
25	245.619		245.619
30	13564.735		13564.735
35	9428.492		9428.492
Grand Total	25589.710		25589.710

A33. Concrete Column

CODE	207
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	LB		Grand Total
10		171077.955		171077.955
15		10669.848		10669.848
20	49771.251			49771.251
25	135745.000			135745.000
30	127427.063			127427.063
35	39090.461			39090.461
Grand Total	352033.776	181747.803		533781.579

A34. Shear Wall Dowels (Weldable)

CODE	208
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	HB	ST	Grand Total
10		70.176	70.176
15		4685.540	4685.540
20	2119.787	1501.760	3621.546
25	7452.824		7452.824
30	2836.087		2836.087
Grand Total	12408.698	6257.476	18666.174

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A35. Shear Wall (Weldable)

CODE	209
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10	9616.100	165499.000		16017.633	191132.732
15	168735.747	93438.899	32306.925	136614.593	431096.164
20	158075.016		13957.335	66857.116	238889.467
25	14407.053			127520.065	141927.118
30	1553.195			83951.866	85505.061
Grand Total	352387.111	258937.899	46264.260	430961.273	1088550.543

A36. Slab on Grade Additional

CODE	210
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
15	685.595	615.380	28.161	1329.137
Grand Total	685.595	615.380	28.161	1329.137

A37. Concrete Slab and Additional - Level P1

CODE	211
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	LB	SL	Grand Total
10	5073.931			5073.931
15		3456.585	51444.932	54901.517
Grand Total	5073.931	3456.585	51444.932	59975.449

A38. Concrete Slab and Additional - 1st Floor

CODE	212
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10	4809.258			920.241	5729.499
15	2144.233	9854.055	55690.985	1169.203	68858.476
20	1892.520		13292.700		15185.220
30			16034.400	8558.208	24592.608
Grand Total	8846.010	9854.055	85018.085	10647.652	114365.803

A39. Concrete Slab and Additional - 2nd Floor

CODE	213
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
10	4122.221			4122.221
15		48921.915	1015.361	49937.276
Grand Total	4122.221	48921.915	1015.361	54059.496

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A40. Concrete Slab and Additional - 3rd Floor

CODE	214
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE			
BAR SIZE	HB	SL	ST	Grand Total
10	5152.776			5152.776
15		53383.348	1107.666	54491.014
Grand Total	5152.776	53383.348	1107.666	59643.790

A41. Concrete Slab and Additional - 4th Floor

CODE	215
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10	3263.425				3263.425
15	5960.119	85693.696	43750.147	3572.275	138976.237
20				4500.368	4500.368
30			90262.350		90262.350
Grand Total	9223.544	85693.696	134012.497	8072.643	237002.379

A42. Concrete Slab and Additional - 5th Floor

CODE	216
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		1668.262		602.688	2270.950
15	797.186		17630.351	16049.820	34477.356
Grand Total	797.186	1668.262	17630.351	16652.508	36748.306

A43. Concrete Slab and Additional - 6th thru 21st Floor

CODE	217
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		26692.198			26692.198
15	6867.446		282085.608	256797.113	545750.167
Grand Total	6867.446	26692.198	282085.608	256797.113	572442.366

A44. Concrete Slab and Additional - 22nd Floor

CODE	218
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		1668.262			1668.262
15	429.215		17630.351	16049.820	34109.385
Grand Total	429.215	1668.262	17630.351	16049.820	35777.648

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A45. Concrete Slab and Additional - 23rd Floor

CODE	219
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		3939.295		433.055	4372.350
15	1400.259		21014.886	16121.547	38536.691
20				831.507	831.507
25				2430.715	2430.715
Grand Total	1400.259	3939.295	21014.886	19816.823	46171.263

A46. Concrete Slab and Additional - 24th & 25th Floor

CODE	220
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		2830.088			2830.088
15	496.301		29845.445	25928.229	56269.975
20				4251.501	4251.501
Grand Total	496.301	2830.088	29845.445	30179.730	63351.564

A47. Concrete Slab and Additional - 26th Floor

CODE	221
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		1635.307			1635.307
15	248.151	3461.258	20461.053	14349.093	38519.555
20				917.722	917.722
Grand Total	248.151	5096.565	20461.053	15266.815	41072.584

A48. Concrete Slab and Additional - 27th Floor

CODE	222
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		3573.885			3573.885
15	788.675		11415.114	6092.705	18296.494
20				2358.711	2358.711
Grand Total	788.675	3573.885	11415.114	8451.416	24229.089

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

A49. Concrete Slab and Additional - 28th Floor

CODE	223
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE				
BAR SIZE	HB	LB	SL	ST	Grand Total
10		1645.868			1645.868
15	1185.354		5015.266	845.101	7045.721
20				1000.332	1000.332
Grand Total	1185.354	1645.868	5015.266	1845.433	9691.921

A50. Concrete Slab and Additional - Roof Level

CODE	224
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	LB	SL	Grand Total
10	611.322		611.322
15		2399.943	2399.943
Grand Total	611.322	2399.943	3011.265

A51. Concrete Stair

CODE	225
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE		
BAR SIZE	HB	ST	Grand Total
10	2528.400	2578.400	5106.800
15	13336.320	7509.600	20845.920
20		2703.600	2703.600
Grand Total	15864.720	12791.600	28656.319

A52. Masonry Wall Dowels

CODE	226
------	-----

Sum of WEIGHT 'LBS'	BEND TYPE	
BAR SIZE	HB	Grand Total
15	2263.711	2263.711
Grand Total	2263.711	2263.711

ESTIMATED WEIGHT SUMMARY

MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No : KRS - 012

Bid Date : 5/14/2018

B. Estimated Weight Summary by Bend Type

Lot A & B - G30.18 400 Mpa.

CODE	(Multiple Items)
------	------------------

Sum of WEIGHT 'LBS'	BEND TYPE					
BAR SIZE	HB	LB	SL	ST		Grand Total
10	58872.501	473185.136			8881.565	540939.202
15	233247.434	192839.814	1599429.261		1013892.247	3039408.756
20	121127.974		71260.888		276612.758	469001.619
25	341669.040		2730.289		177464.420	521863.748
30	257167.235		113525.969		212121.940	582815.145
35	195417.899		139717.539		234860.538	569995.976
Grand Total	1207502.082	666024.950	1926663.946		1923833.469	5724024.446

Lot A & B - CSA G30.18 (Weldable Grade)

CODE	(Multiple Items)
------	------------------

Sum of WEIGHT 'LBS'	BEND TYPE					
BAR SIZE	HB	LB	SL	ST		Grand Total
10	21471.722	346355.433			35947.792	403774.946
15	304707.160	319292.432	53014.126		349143.964	1026157.682
20	519660.326		131066.022		152881.719	803608.067
25	33406.164				375144.628	408550.792
30	31373.423				425482.231	456855.654
35					3081.614	3081.614
Grand Total	910618.795	665647.865	184080.148		1341681.948	3102028.755

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1	111	PHASE 1							
2	111	CONCRETE SLAB AND ADDITIONALS							
3	111	LEVEL P1 - REF:S-6							
4	111	10" THICK		2400	15	29.50	SL	15M @15" EW	73844.40
5	111	T&B ADDITIONALS							
6	111		4	14	20	16.33	ST	14-20Mx16'-4" TOP	1373.55
7	111		4	18	20	16.33	ST	18-20Mx16'-4" TOP	1765.99
8	111		4	20	20	16.33	ST	20-20Mx16'-4" TOP	1962.21
9	111			16	20	13.75	ST	16-20Mx13'-9" TOP	330.44
10	111			14	20	13.75	ST	14-20Mx13'-9" TOP	289.14
11	111			22	20	15.42	ST	22-20Mx15'-5" TOP	509.54
12	111			24	20	18.00	ST	24-20Mx18'-0" TOP	648.86
13	111			18	20	15.42	ST	18-20Mx15'-5" TOP	416.90
14	111		2	10	20	14.75	ST	10-20Mx14'-9" TOP	443.09
15	111			16	25	19.67	ST	16-25Mx19'-8" TOP	840.30
16	111		2	22	20	16.33	ST	22-20Mx16'-4" TOP	1079.22
17	111			16	25	18.00	ST	16-25Mx18'-0" TOP	768.96
18	111			22	20	18.00	ST	22-20Mx18'-0" TOP	594.79
19	111			16	20	26.25	ST	16-20Mx26'-3" TOP	630.84
20	111			14	20	16.33	ST	14-20Mx16'-4" TOP	343.39
21	111			14	20	18.00	ST	14-20Mx18'-0" TOP	378.50
22	111			10	15	10.42	ST	10-15Mx10'-5" TOP	108.68
23	111			45	15	12.50	HB	C15Mx12'-6" @10" TOP	586.69
24	111			12	20	14.75	ST	12-20Mx14'-9" TOP	265.85
25	111			10	20	16.33	ST	10-20Mx16'-4" TOP	245.28
26	111			6	15	7.33	HB	C15Mx7'-4" @10" TOP	45.87
27	111			30	15	7.16	HB	15M @10" TOP	224.04
28	111			2	15	18.00	ST	2-15Mx18'-0" BOT.	37.55
29	111			2	15	7.83	ST	2-15Mx7'-10" BOT.	16.34
30	111			26	15	10.42	ST	26-15Mx10'-5" TOP	282.57
31	111			36	20	15.42	ST	36-20Mx15'-5" TOP	833.79
32	111			25	15	15.75	HB	C15Mx15'-9" @12" TOP	410.68
33	111			10	20	16.33	ST	10-20Mx16'-4" TOP	245.28
34	111			12	20	14.75	ST	12-20Mx14'-9" TOP	265.85
35	111			14	15	9.00	HB	14-C15Mx9'-0" TOP	131.42
36	111			14	20	15.42	ST	14-20Mx15'-5" TOP	324.25
37	111			18	20	35.42	ST	18-20Mx35'-5" TOP	957.62
38	111			14	20	15.42	ST	14-20Mx15'-5" TOP	324.25
39	111			14	20	35.42	ST	14-20Mx35'-5" TOP	744.81
40	111		2	14	20	15.42	ST	14-20Mx15'-5" TOP	648.50
41	111			8	15	11.75	ST	8-15Mx11'-9" TOP	98.04
42	111			10	15	9.00	ST	10-15Mx9'-0" TOP	93.87
43	111			10	15	12.50	ST	10-15Mx12'-6" TOP	130.38
44	111			685	15	3.92	HB	C15Mx3'-11" @18" TOP	2800.66
45	111			10	15	9.00	HB	10-C15Mx9'-0" TOP	93.87
46	111			20	20	8.42	HB	C-20Mx8'-5" @6" TOP	252.94
47	111			10	20	23.00	HB	10-C20Mx23'-0" TOP	345.46

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
48	111			22	20	9.83	HB	C20Mx9'-10" @8" TOP	324.92
49	111			14	25	21.33	ST	14-25Mx21'-4" TOP	797.32
50	111			16	15	11.75	ST	16-15Mx11'-9" TOP	196.08
51	111			13	15	4.92	HB	C15Mx4'-11" @12" TOP	66.71
52	111			12	20	16.33	ST	12-20Mx16'-4" TOP	294.33
53	111			16	20	15.42	ST	16-20Mx15'-5" TOP	370.57
54	111			14	25	16.33	ST	14-25Mx16'-4" TOP	610.42
55	111			16	25	13.75	ST	16-25Mx13'-9" TOP	587.40
56	111			16	15	5.83	HB	C15Mx5'-10" @ 18" TOP	97.34
57	111			14	20	14.75	ST	14-20Mx14'-9" TOP	310.16
58	111			12	20	11.75	ST	12-20Mx11'-9" TOP	211.78
59	111			16	20	16.33	HB	16-20Mx16'-4" TOP	392.44
60	111			15	15	5.83	HB	C15Mx5'-10" @ 18" TOP	91.26
61	111			14	20	18.00	ST	14-20Mx18'-0" TOP	378.50
62	111			16	20	23.00	ST	16-20Mx23'-0" TOP	552.74
63	111			20	20	18.00	ST	20-20Mx18'-0" TOP	540.72
64	111			80	20	13.75	ST	20Mx13'-9" @8" TOP	1652.20
65	111			16	25	13.75	ST	16-25Mx13'-9" TOP	587.40
66	111			12	20	9.00	ST	12-20Mx9'-0" TOP	162.22
67	111			50	20	13.75	ST	20Mx13'-9" @12" TOP	1032.63
68	111			6	20	13.75	ST	6-20Mx13'-9" TOP	123.92
69	111			12	20	9.00	ST	12-20Mx9'-0" TOP	162.22
70	111			12	20	11.75	ST	12-20Mx11'-9" TOP	211.78
71	111		2	14	20	18.00	ST	14-20Mx18'-0" TOP	757.01
72	111			20	20	15.50	ST	20-20Mx15'-5" TOP	465.62
73	111		2	18	20	16.33	ST	18-20Mx16'-4" TOP	883.00
74	111			14	20	14.75	ST	14-20Mx14'-9" TOP	310.16
75	111			16	25	15.42	ST	16-25Mx15'-5" TOP	658.74
76	111			16	20	16.33	ST	16-20Mx16'-4" TOP	392.44
77	111			28	20	14.75	ST	28-20Mx14'-9" TOP	620.33
78	111			22	20	23.00	ST	22-20Mx23'-0" TOP	760.01
79	111			14	20	7.83	HB	C20Mx7'-10" @12" TOP	164.71
80	111			14	20	9.83	HB	C20Mx9'-10" @12" TOP	206.77
81	111			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
82	111			16	20	16.33	ST	16-20Mx16'-4" TOP	392.44
83	111			14	25	16.33	ST	14-25Mx16'-4" TOP	610.42
84	111			18	20	15.42	ST	18-20Mx15'-5" TOP	416.90
85	111			20	20	15.42	ST	20-20Mx15'-5" TOP	463.22
86	111		3	14	25	16.33	ST	14-25Mx16'-4" TOP	1831.25
87	111		2	16	20	11.75	ST	16-20Mx11'-9" TOP	564.75
88	111			18	25	23.00	ST	18-25Mx23'-0" TOP	1105.38
89	111			16	25	16.33	ST	16-25Mx16'-4" TOP	697.62
90	111			16	25	15.42	ST	16-25Mx15'-5" TOP	658.74
91	111			14	25	18.00	ST	14-25Mx18'-0" TOP	672.84
92	111			14	25	14.75	ST	14-25Mx14'-9" TOP	551.36
93	111			16	25	18.00	ST	16-25Mx18'-0" TOP	768.96
94	111			20	20	29.50	SL	20-20Mx29'-6" TOP	886.18

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
95	111		2	14	20	16.33	ST	14-20Mx16'-4" TOP	686.77
96	111		2	16	20	14.75	ST	16-20Mx14'-9" TOP	708.94
97	111			16	25	16.33	ST	16-25Mx16'-4" TOP	697.62
98	111			20	25	23.00	ST	20-25Mx23'-0" TOP	1228.20
99	111			22	20	16.33	ST	22-20Mx16'-4" TOP	539.61
100	111			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
101	111		5	3	15	18.00	ST	3-15Mx18'-0" BOT.	281.61
102	111			14	20	14.75	ST	14-20Mx14'-9" TOP	310.16
103	111			22	20	16.33	ST	22-20Mx16'-4" TOP	539.61
104	111			16	25	15.42	ST	16-25Mx15'-5" TOP	658.74
105	111			20	20	19.67	ST	20-20Mx19'-8" TOP	590.89
106	111			16	25	15.42	ST	16-25Mx15'-5" TOP	658.74
107	111		2	20	20	15.42	ST	20-20Mx15'-5" TOP	926.43
108	111			14	20	16.33	ST	14-20Mx16'-4" TOP	343.39
109	111			18	20	15.42	ST	18-20Mx15'-5" TOP	416.90
110	111			18	20	16.33	ST	18-20Mx16'-4" TOP	441.50
111	111			20	20	15.42	ST	20-20Mx15'-5" TOP	463.22
112	111		2	22	20	16.33	ST	22-20Mx16'-4" TOP	1079.22
113	111		2	16	25	15.42	ST	16-25Mx15'-5" TOP	1317.48
114	111			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
115	111			20	20	15.42	ST	20-20Mx15'-5" TOP	463.22
116	111			160	15	5.83	HB	C15Mx5'-10" @ 18" TOP	973.41
117	111			3	15	18.00	ST	3-15Mx18'-0" BOT.	56.32
118	111			25	20	11.75	ST	20Mx11'-9" @12" TOP	441.21
119	111			22	20	16.33	ST	22-20Mx16'-4" TOP	539.61
120	111			16	25	15.42	ST	16-25Mx15'-5" TOP	658.74
121	111			50	15	18.00	ST	15Mx18'-0" @15" BOT.	938.70
122	111			153	15	19.67	ST	15Mx19'-8" @30" BOT.	3138.92
123	111			50	15	18.00	ST	15Mx18'-0" @30" BOT.	938.70
124	111			72	15	18.00	ST	15Mx19'-8" @12" BOT.	1351.73
125	111			17	15	23.00	ST	15Mx23'-0" @12" BOT.	407.81
126	111			70	15	21.33	ST	15Mx21'-4" @15" BOT.	1557.30
127	111			32	15	16.33	ST	15Mx16'-4" @12" BOT.	545.03
128	111	ST1		16	15	9.65	LB	8-15M STPS. LW	161.09
129	111			16	15	8.07	LB	8-15M STPS. SW	134.72
130	111			250	15	29.50	SL	15M @48" SUPT. BAR	7692.13
131	111			1800	10	4.57	HB	10M @48" STANDEE	5659.49
132	111	REF:10/2		4	15	17.00	ST	2-15M T&B CONT.	70.92
133	111			26	15	7.50	HB	15M @12" Z BAR	203.39
134	111			6	15	17.00	ST	15M @12" HORZ.	106.39
135									
136	112	GROUND FLOOR - REF:S7							
137	112	8" THK.		150	15	29.50	SL	15M @18" BOT. EW	4615.28
138	112	10" THK.		1250	15	29.50	SL	15M @15" BOT. EW	38460.63
139	112	18" THK.		875	20	29.50	SL	20M @11" BOT. EW	38770.38
140	112	20" THK.		185	20	29.50	SL	20M @11" BOT. EW	8197.17
141	112	28" THK.		65	25	39.33	ST	25M @12" BOT. EW	6825.72

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
142	112	30" THK.		60	25	39.33	ST	25M @12" BOT. EW	6300.67
143	112	TOP & BOTTOM ADDITIONALS							
144	112			6	20	11.75	ST	6-20Mx11'-9" TOP	105.89
145	112			10	20	14.75	ST	10-20Mx14'-9" TOP	221.55
146	112			20	20	18.00	ST	20-20Mx18'-0" TOP	540.72
147	112			18	20	15.42	ST	18-20Mx15'-5" TOP	416.90
148	112			20	20	15.42	ST	20-20Mx15'-5" TOP	463.22
149	112			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
150	112			20	20	15.75	ST	20-20Mx15'-9" TOP	473.13
151	112			18	20	16.33	ST	18-20Mx16'-4" TOP	441.50
152	112			16	20	13.75	ST	16-20Mx13'-9" TOP	330.44
153	112		2	14	20	16.33	ST	14-20Mx16'-4" TOP	686.77
154	112			16	20	13.75	ST	16-20Mx13'-9" TOP	330.44
155	112			14	20	16.33	ST	14-20Mx16'-4" TOP	343.39
156	112		3	20	20	16.33	ST	20-20Mx16'-4" TOP	1471.66
157	112		2	18	20	16.33	ST	18-20Mx16'-4" TOP	883.00
158	112			12	15	12.50	ST	12-15Mx12'-6" TOP	156.45
159	112			14	15	9.00	ST	14-15Mx9'-0" TOP	131.42
160	112		2	22	20	16.30	ST	22-20Mx16'-4" TOP	1077.23
161	112			10	20	14.75	ST	10-20Mx14'-9" TOP	221.55
162	112			20	20	19.67	ST	20-20Mx19'-8" TOP	590.89
163	112			18	25	18.00	ST	18-25Mx18'-0" TOP	865.08
164	112			22	20	18.00	ST	22-20Mx18'-0" TOP	594.79
165	112			16	20	29.50	ST	16-20Mx29'-6" TOP	708.94
166	112			14	20	18.00	ST	14-20Mx18'-0" TOP	378.50
167	112			14	20	16.33	ST	14-20Mx16'-4" TOP	343.39
168	112			18	20	18.00	ST	18-20Mx18'-0" TOP	486.65
169	112			8	15	9.00	ST	8-15Mx9'-0" TOP	75.10
170	112			20	15	12.50	HB	C15Mx12'-6" @12" TOP	260.75
171	112			12	20	18.00	ST	12-20Mx18'-0" TOP	324.43
172	112			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
173	112			12	20	11.75	ST	12-20Mx11'-9" TOP	211.78
174	112			14	20	11.75	ST	14-20Mx11'-9" TOP	247.08
175	112			25	15	11.75	ST	15Mx11'-9" @12" TOP	306.38
176	112			13	20	13.75	ST	20Mx13'-9" @12" TOP	268.48
177	112			50	20	15.42	ST	20Mx15'-5" @8" TOP	1158.04
178	112			2	15	7.83	ST	2-15Mx7'-10" BOT.	16.34
179	112			6	15	11.75	ST	6-15Mx11'-9" TOP	73.53
180	112			32	15	5.83	HB	C15Mx5'-10" @ 12" TOP	194.68
181	112			25	15	14.75	HB	C15Mx14'-9" @12" TOP	384.61
182	112			25	15	7.67	HB	15M @12" TOP	199.89
183	112			16	20	16.33	ST	16-20Mx16'-4" TOP	392.44
184	112			16	20	14.75	ST	16-20Mx14'-9" TOP	354.47
185	112			8	20	9.83	HB	8-C20Mx9'10" TOP	118.15
186	112			22	15	5.83	HB	C15Mx5'-10" @18" TOP	133.84
187	112			12	15	7.83	HB	C15Mx7'-4" @10" TOP	98.04
188	112			6	15	10.00	HB	C15Mx10'-0" @18" TOP	62.58

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
189	112		2	16	20	15.42	ST	16-20Mx15'-5" TOP	741.15
190	112			14	20	35.42	ST	14-20Mx35'-5" TOP	744.81
191	112		2	18	20	15.42	ST	18-20Mx15'-5" TOP	833.79
192	112			18	20	35.42	ST	18-20Mx35'-5" TOP	957.62
193	112			8	15	11.75	ST	8-15Mx11'-9" TOP	98.04
194	112			28	15	9.00	ST	15Mx9'-0" @10" TOP	262.84
195	112			16	20	11.75	ST	16-20Mx11'-9" TOP	282.38
196	112			55	15	6.50	ST	15Mx6'-6" @12" TOP	372.87
197	112			22	15	15.75	HB	C15Mx15'-9" @12" TOP	361.40
198	112			13	15	9.00	HB	C15Mx9'-0" @12" TOP	122.03
199	112			10	20	14.75	HB	10-C20Mx14'-9" TOP	221.55
200	112		2	5	15	7.83	ST	5-15Mx7'-10" TOP	81.67
201	112			115	15	10.42	HB	C15Mx10'-5" @10" TOP	1249.83
202	112			14	20	15.42	ST	14-20Mx15'-5" TOP	324.25
203	112			20	20	13.08	ST	20-20Mx13'-1" TOP	392.92
204	112			8	20	19.67	ST	8-20Mx19'-8" TOP	236.35
205	112			20	20	15.42	ST	20-20Mx15'-5" TOP	463.22
206	112			24	20	13.08	ST	24-20Mx13'-1" TOP	471.51
207	112			10	20	13.75	ST	10-20Mx13'-9" TOP	206.53
208	112			12	15	12.50	ST	12-15Mx12'-6" TOP	156.45
209	112			16	15	3.92	HB	C15Mx3'-11" @18" TOP	65.42
210	112			13	30	14.75	ST	30Mx14'-9" @15" BOT.	651.95
211	112			10	35	18.00	ST	10-35Mx18'-0" BOT.	956.34
212	112			80	15	19.67	ST	15Mx19'-8" @12" TOP	1641.26
213	112			8	15	19.67	ST	8-15Mx19'-8" TOP	164.13
214	112			8	25	14.75	ST	8-25Mx14'-9" TOP	315.06
215	112			32	30	15.42	ST	32-30Mx15'-5" TOP	1677.70
216	112			28	30	15.42	ST	30Mx15'-5" @6" TOP	1467.98
217	112			20	25	16.33	ST	25Mx16'-4" @12" TOP	872.02
218	112			22	15	11.75	ST	15Mx11'-9" @12" TOP	269.62
219	112			22	35	18.00	ST	35Mx18'-0" @12" BOT.	2103.95
220	112			18	35	18.00	ST	18-35Mx18'-0" BOT.	1721.41
221	112			10	30	13.75	ST	10-30Mx13'-9" BOT.	467.50
222	112			8	30	11.75	ST	8-30Mx11'-9" TOP	319.60
223	112			12	25	16.33	ST	12-25Mx16'-4" TOP	523.21
224	112			116	15	9.00	ST	15Mx9'-0" @10" TOP	1088.89
225	112			5	15	7.83	ST	5-15Mx7'-10" TOP	40.85
226	112			115	15	7.83	ST	15Mx7'-10" @10" TOP	939.53
227	112		3	2	30	26.25	ST	2-30M BOT.	535.50
228	112			60	25	18.00	ST	25Mx18'-0" @11" BOT.	2883.60
229	112			150	25	19.67	ST	25Mx19'-8" @11" BOT.	7877.84
230	112			52	30	32.00	ST	30Mx32'-0" @10" TOP	5657.60
231	112			24	35	15.42	ST	24-35Mx15'-5" TOP	1966.24
232	112			12	30	32.00	ST	12-30Mx32'-0" TOP	1305.60
233	112			22	35	18.00	ST	22-35Mx18'-0" TOP	2103.95
234	112			68	35	26.25	ST	35Mx26'-3" @11" TOP	9483.71
235	112			35	20	19.67	ST	20Mx19'-8" @11" BOT.	1034.05

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
236	112			10	25	11.75	ST	10-25Mx11'-9" TOP	313.73
237	112			12	30	13.75	ST	12-30Mx13'-9" TOP	561.00
238	112		2	16	30	16.33	ST	16-30Mx16'-4" TOP	1776.70
239	112			12	30	15.42	ST	12-30Mx15'-5" TOP	629.14
240	112			18	30	16.33	ST	18-30Mx16'-4" TOP	999.40
241	112			18	30	15.42	ST	18-30Mx15'-5" TOP	943.70
242	112			30	20	18.00	ST	20Mx18'-0" @11" TOP	811.08
243	112			14	25	11.75	ST	14-25Mx11'-9" TOP	439.22
244	112			18	30	16.33	ST	18-30Mx16'-4" TOP	999.40
245	112			20	30	16.33	ST	20-30Mx16'-4" TOP	1110.44
246	112			18	35	23.00	ST	18-35Mx23'-0" TOP	2199.58
247	112			14	25	16.33	ST	14-25Mx16'-4" TOP	610.42
248	112			18	30	29.50	SL	18-30Mx 29'-6" TOP	1805.40
249	112			14	25	16.33	ST	14-25Mx16'-4" TOP	610.42
250	112			20	30	18.00	ST	20-30Mx18'-0" TOP	1224.00
251	112			18	30	14.75	ST	18-30Mx14'-9" TOP	902.70
252	112			22	20	24.58	ST	20Mx24'-7" @12" TOP	812.22
253	112			18	30	18.00	ST	18-30Mx18'-0" TOP	1101.60
254	112			16	30	14.75	ST	16-30Mx14'-9" TOP	802.40
255	112			20	30	18.00	ST	20-30Mx18'-0" TOP	1224.00
256	112			22	30	23.00	ST	22-30Mx23'-0" TOP	1720.40
257	112			14	25	11.75	ST	14-25Mx11'-9" TOP	439.22
258	112			18	30	16.33	ST	18-30Mx16'-4" TOP	999.40
259	112			16	30	16.33	ST	16-30Mx16'-4" TOP	888.35
260	112			18	30	16.33	ST	18-30Mx16'-4" TOP	999.40
261	112			36	20	19.67	ST	20Mx19'-8" @11" BOT.	1063.60
262	112			22	30	23.00	ST	22-30Mx23'-0" TOP	1720.40
263	112			14	25	11.75	ST	14-25Mx11'-9" TOP	439.22
264	112			18	30	16.33	ST	18-30Mx16'-4" TOP	999.40
265	112			16	30	16.33	ST	16-30Mx16'-4" TOP	888.35
266	112			18	25	16.33	ST	18-25Mx16'-4" TOP	784.82
267	112			22	20	18.00	ST	20Mx18'-0" @11" TOP	594.79
268	112			16	30	15.42	ST	16-30Mx15'-5" TOP	838.85
269	112			24	25	16.33	ST	24-25Mx16'-4" BOT.	1046.43
270	112			36	20	13.75	ST	36-20Mx13'-9" TOP	743.49
271	112			30	20	13.75	HB	30-C20x13'-9" TOP	619.58
272	112			22	20	13.75	HB	C20Mx13'-9" @12" TOP	454.36
273	112			265	15	5.83	HB	C15Mx5'-10" @12" TOP	1612.21
274	112			28	15	19.67	ST	15Mx19'-8" @30" BOT.	574.44
275	112			10	20	16.33	ST	10-20Mx16'-4" TOP	245.28
276	112			10	15	11.75	HB	10-C15Mx11'-9" TOP	122.55
277	112			20	20	18.00	ST	20-20Mx18'-0" TOP	540.72
278	112			16	20	14.75	ST	16-20Mx14'-9" TOP	354.47
279	112			18	20	16.33	ST	18-20Mx16'-4" TOP	441.50
280	112			50	15	19.67	ST	15Mx19'-8" @30" BOT.	1025.79
281	112			27	15	14.75	ST	15Mx14'-9" @15" BOT.	415.37
282	112			42	15	18.00	ST	15Mx18'-0" @15" BOT.	788.51

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
283	112			3	15	18.00	ST	3-15Mx18'-0" BOT.	56.32
284	112			3	15	14.75	ST	3-15Mx14'-9" BOT.	46.15
285	112			625	15	3.92	HB	C15Mx3'-11" @18" TOP	2555.35
286	112	ST1	2	16	15	9.07	LB	8-15M STPS.	302.82
287	112		2	16	15	8.57	LB	8-15M STPS.	286.13
288	112	ST1	9	16	15	9.57	LB	8-15M STPS.	1437.79
289	112		9	16	15	8.24	LB	8-15M STPS.	1238.03
290	112	ST3		40	15	11.65	LB	20-15M STPS.	486.16
291	112			40	15	9.91	LB	20-15M STPS.	413.45
292	112	ST2		32	15	11.92	LB	8-15M STPS.	397.84
293	112	INTEGRITY BARS		72	15	29.50	ST	2-15M ADD'L	2215.33
294	112			750	15	3.08	LB	15M @11" HAIR PIN EW	2411.68
295	112			550	15	3.91	LB	15M @12" HAIR PIN EW	2244.69
296	112			250	15	3.74	LB	15M @12" HAIR PIN EW	975.99
297	112	SLAB BAND							
298	112	T3-15.5		14	25	15.42	ST	14-25x15'-5" T3	576.40
299	112	T2-19.8		14	30	19.67	ST	14-30Mx19'-8" T2	936.29
300	112	B2-11.9		14	25	11.75	ST	14-25Mx11'-9" B2	439.22
301	112	B1-26.3		14	30	26.25	ST	14-30Mx26'-3" B1	1249.50
302	112	T2-19.8		14	30	19.67	ST	14-30Mx19'-8" T2	936.29
303	112	B2-24.7		14	25	24.58	ST	14-25Mx24'-7" B2	918.80
304	112	T3-14.9		14	25	14.75	ST	14-25Mx14'-9" T3	551.36
305	112	B3-23		4	15	23.00	ST	4-15Mx23'-0" B3	95.96
306	112			22	20	29.50	SL	4-20M CARRY BARS	974.80
307	112	S1		56	15	36.15	LB	15M @12" STPS.	2111.45
308	112	S2		18	15	28.15	LB	15M @12" STPS.	528.49
309	112	S1		11	15	28.15	LB	15M @12" STPS.	322.96
310	112	S2		30	15	36.15	LB	15M @12" STPS.	1131.13
311	112								
312	112	T2-16.4	4	14	30	16.33	ST	14-30Mx16'-4" T2	3109.23
313	112	B1-26.3		14	30	26.25	ST	14-30Mx26'-3" B1	1249.50
314	112	B1-24.7		14	30	24.58	ST	14-30Mx24'-7" B1	1170.01
315	112	B4-26.3		16	35	26.25	ST	16-35Mx26'-3" B4	2231.46
316	112	B2-24.4 CTS.		14	25	24.33	HB	14-25Mx24'-4" B2	909.46
317	112			16	20	29.50	SL	4-20M CARRY BARS	708.94
318	112	S1		85	15	34.79	LB	15M @12" STPS.	3084.31
319	112			375	15	29.50	SL	15M @48" SUPT. BAR	11538.19
320	112			180	10	4.73	HB	10M @48" STANDEE	586.13
321	112			1250	10	5.17	HB	10M @48" STANDEE	4442.76
322	112			650	10	6.50	HB	10M @48" STANDEE	2906.80
323	112			130	10	6.84	HB	10M @48" STANDEE	611.77
324	112			70	10	8.16	HB	10M @48" STANDEE	392.99
325	112			60	10	8.50	HB	10M @48" STANDEE	350.88
326	112	REF:11/S2		12	15	4.83	HB	C15M @18" TOP	60.49
327	112			4	15	11.00	ST	2-15M T&B CONT.	45.89
328	112			6	10	11.00	ST	10M @12" HORZ. EF	45.41
329	112			7	15	9.16	LB	15M @12" STPS.	66.88

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
330	112	REF:6/S20		75	15	6.50	ST	15Mx6'-6" @18" TOP	508.46
331	112			75	15	3.92	HB	C15Mx3'-11" @18" TOP	306.64
332	112	REF:1/S20		15	15	6.50	ST	15Mx6'-6" @16" TOP	101.69
333	112			3	15	23.00	ST	15M @12" HORZ.	71.97
334	112			15	15	7.50	HB	15M @16" Z BAR	117.34
335	112	REF:5/S20		125	15	9.00	ST	15Mx9'-0" @10" TOP	1173.38
336	112			125	15	7.83	HB	C15Mx7'-10" @10" TOP	1021.23
337	112			125	15	10.42	HB	C15Mx10'-5" @10" TOP	1358.51
338	112			25	15	29.50	SL	15M @12" HORZ. EF	769.21
339	112	REF:7/S20		90	15	6.50	ST	15Mx6'-6" @12" TOP	610.16
340	112			90	15	14.75	HB	C15Mx14'-9" @12" TOP	1384.58
341	112			30	15	29.50	SL	15M @12" HORZ. EF	923.06
342	112	REF:10/S4		145	15	6.50	ST	15Mx6'-6" @12" TOP	983.03
343	112			95	15	3.92	HB	C15Mx3'-11" @18" TOP	388.41
344	112	REF:4/S20		24	15	7.50	HB	15M @16" Z BAR	187.74
345	112			30	20	11.75	ST	20Mx11'-9" @12" TOP	529.46
346	112	REF:2/S20		8	15	8.50	ST	15M @16" Z BAR	70.92
347	112			3	15	9.67	HB	15M @12" HORZ.	30.24
348	112			8	15	6.50	ST	15Mx6'-6" @16" TOP	54.24
349									
350	113	LEVEL 2 - REF: S-8							
351	113	8" THK.		165	15	29.50	SL	15M @18" BOT. EW	5076.80
352	113	10" THK.		1400	15	29.50	SL	15M @15" BOT. EW	43075.90
353	113	TOP & BOTTOM ADDITIONALS							
354	113			20	20	15.42	ST	20-20Mx15'-5" TOP	463.22
355	113			20	20	18.00	ST	20-20Mx18'-0" TOP	540.72
356	113			3	15	18.00	ST	3-15Mx18'-0" BOT.	56.32
357	113			22	20	15.42	ST	22-20Mx15'-5" TOP	509.54
358	113			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
359	113			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
360	113			12	20	16.33	ST	12-20Mx16'-4" TOP	294.33
361	113			16	20	13.75	ST	16-20Mx13'-9" TOP	330.44
362	113		3	14	20	16.33	ST	14-20Mx16'-4" TOP	1030.16
363	113			16	20	13.75	ST	16-20Mx13'-9" TOP	330.44
364	113		4	20	20	16.33	ST	20-20Mx16'-4" TOP	1962.21
365	113			18	20	16.33	ST	18-20Mx16'-4" TOP	441.50
366	113			10	15	9.00	ST	10-15Mx9'-0" TOP	93.87
367	113			8	15	11.75	ST	8-15Mx11'-9" TOP	98.04
368	113			12	15	11.75	HB	12-C15Mx11'-9" TOP	147.06
369	113			10	15	11.75	ST	10-15Mx11'-9" TOP	122.55
370	113			16	20	15.42	ST	16-20Mx15'-5" TOP	370.57
371	113			18	20	15.42	ST	18-20Mx15'-5" TOP	416.90
372	113			18	20	35.42	ST	18-20Mx35'-5" TOP	957.62
373	113			8	15	6.50	ST	8-15Mx6'-6" TOP	54.24
374	113			16	15	9.00	ST	16-15Mx9'-0" TOP	150.19
375	113			8	20	15.42	ST	8-20Mx15'-5" TOP	185.29
376	113			14	20	35.42	ST	14-20Mx35'-5" TOP	744.81

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
377	113			16	20	15.42	ST	16-20Mx15'-5" TOP	370.57
378	113			30	15	18.00	ST	15Mx18'-0" @30" BOT.	563.22
379	113			45	15	18.00	ST	15Mx18'-0" @15" BOT.	844.83
380	113			10	20	16.33	ST	10-20Mx16'-4" TOP	245.28
381	113			12	20	14.75	ST	12-20Mx14'-9" TOP	265.85
382	113		2	12	15	11.75	ST	12-15Mx11'-9" TOP	294.13
383	113			58	15	16.33	ST	15Mx16'-4" @10" BOT.	987.87
384	113			10	15	16.33	ST	10-15Mx16'-4" TOP	170.32
385	113			14	20	16.33	ST	14-20Mx16'-4" TOP	343.39
386	113			22	15	16.33	ST	15x16'-4" @15" BOT.	374.71
387	113			3	15	26.25	ST	3-15Mx26'-3" BOT.	82.14
388	113			10	20	16.33	ST	10-20Mx16'-4" TOP	245.28
389	113			55	15	23.00	ST	15Mx23'-0" @8" TOP	1319.40
390	113			52	20	13.75	ST	20Mx13'-9" @8" TOP	1073.93
391	113			28	20	15.42	ST	28-20Mx15'-5" TOP	648.50
392	113			48	15	18.00	ST	15Mx18'-0" @10" TOP	901.15
393	113			10	15	10.42	ST	10-15Mx10'-5" TOP	108.68
394	113			6	15	6.50	ST	15Mx6'-6" @16" TOP	40.68
395	113			14	20	18.00	ST	14-20Mx18'-0" TOP	378.50
396	113			30	15	10.42	ST	30-15Mx10'-5" @10" TOP	326.04
397	113			12	20	16.33	ST	12-20Mx16'-4" TOP	294.33
398	113			12	20	18.00	ST	12-20Mx18'-0" TOP	324.43
399	113			2	15	18.00	ST	2-15Mx18'-0" BOT.	37.55
400	113			2	15	7.83	ST	2-15Mx7'-10" BOT.	16.34
401	113			10	15	11.75	ST	10-15Mx11'-9" TOP	122.55
402	113			20	20	9.83	HB	C20Mx9'-10" @12" TOP	295.38
403	113			210	15	8.83	HB	C15Mx5'-10" @12" TOP	1934.69
404	113			90	15	9.00	HB	C15Mx9'-0" @12" TOP	844.83
405	113			4	20	12.50	ST	4-20Mx12'-6" BOT.	75.10
406	113			26	25	39.33	SL	12-25M BOT.	2730.29
407	113			16	20	13.08	ST	16-20Mx13'-1" TOP	314.34
408	113			30	20	11.75	ST	20Mx11'-9" @12" TOP	529.46
409	113			98	15	7.25	HB	15M @10" TOP	740.64
410	113			7	20	29.50	ST	4-20M BOT.	310.16
411	113			20	20	19.67	ST	20-20Mx19'-8" TOP	590.89
412	113			18	20	19.67	ST	20Mx19'-8" @5" BOT.	531.80
413	113			55	15	19.67	ST	15Mx19'-8" @15" BOT.	1128.37
414	113			8	20	13.75	ST	8-20Mx13'-9" TOP	165.22
415	113			12	15	9.00	ST	12-15Mx9'-0" TOP	112.64
416	113			26	20	15.42	ST	26-20Mx15'-5" TOP	602.18
417	113			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
418	113			30	25	13.75	ST	30-25Mx13'-9" TOP	1101.38
419	113			14	15	7.83	HB	C15Mx7'-10" @12" TOP	114.38
420	113			14	20	19.67	ST	14-20Mx19'-8" TOP	413.62
421	113			16	20	16.33	ST	16-20Mx16'-4" TOP	392.44
422	113			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
423	113			20	20	19.67	ST	20-20Mx19'-8" TOP	590.89

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
424	113			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
425	113			8	20	14.75	ST	8-20Mx14'-9" TOP	177.24
426	113			18	25	18.00	ST	18-25Mx18'-0" TOP	865.08
427	113			16	25	16.33	ST	16-25Mx16'-4" TOP	697.62
428	113			60	15	19.67	ST	15Mx19'-8" @30" BOT.	1230.95
429	113			12	20	18.00	ST	12-20Mx18'-0" TOP	324.43
430	113			20	20	26.25	ST	20-20Mx26'-3" TOP	788.55
431	113			18	20	18.00	ST	18-20Mx18'-0" TOP	486.65
432	113			12	20	13.08	ST	12-20Mx13'-1" TOP	235.75
433	113			22	20	11.75	HB	C20Mx11'-9" @8" TOP	388.27
434	113			18	25	15.42	ST	18-25Mx15'-5" TOP	741.09
435	113			17	20	11.75	ST	20Mx11'-9" @10" TOP	300.02
436	113			10	15	3.92	HB	C15Mx3'-11" @18" TOP	40.89
437	113			16	20	16.33	ST	20Mx16'-4" @10" TOP	392.44
438	113			30	20	16.33	HB	C20Mx16'-4" @10" TOP	735.83
439	113			9	15	3.92	HB	C15Mx3'-11" @18" TOP	36.80
440	113			16	20	11.75	ST	20Mx11'-9" @10" TOP	282.38
441	113			9	15	3.92	HB	C15Mx3'-11" @18" TOP	36.80
442	113			18	15	10.42	ST	15Mx10'-5" @8" TOP	195.63
443	113		4	2	15	10.42	ST	2-15Mx10'-5" BOT.	86.94
444	113		4	2	15	13.42	ST	2-15Mx13'-9" BOT.	111.98
445	113			25	15	9.83	HB	C15Mx9'-10" @12" TOP	256.40
446	113			13	15	9.00	ST	15Mx9'-0" @18" TOP	122.03
447	113		4	8	15	9.00	ST	8-15Mx9'-0" TOP	300.38
448	113		3	6	20	15.42	ST	6-20Mx15'-5" TOP	416.90
449	113			20	15	7.33	ST	15Mx7'-4" @18" TOP	152.90
450	113			55	15	13.08	ST	15Mx13'-1" @10" TOP	750.33
451	113			12	20	9.83	HB	12-C20Mx9'-10" TOP	177.24
452	113			9	15	9.00	HB	C15Mx9'-0" @12" TOP	84.48
453	113			145	15	3.92	HB	C15Mx3'-11" @18" TOP	592.84
454	113			350	15	3.92	HB	C15Mx3'-11" @18" TOP	1431.00
455	113			4	20	27.33	ST	4-20M BOT.	164.20
456	113			250	15	29.50	SL	15M @48" SUPT. BAR	7692.13
457	113			1500	10	4.99	HB	10M @48" STANDEE	5152.78
458	113	DOWNTURN BEAM		19	30	39.33	ST	6-30M T&B	2540.72
459	113			9	15	29.50	SL	15M @8" HORZ. EF	276.92
460	113			158	15	6.63	LB	15M @4" STPS.	1092.58
461	113	INTEGRITY BARS		30	15	29.50	ST	2-15M ADD'L	923.06
462									
463	114	LEVEL 3 - REF: S-9							
464	114	8" THK.		165	15	29.50	SL	15M @18" BOT. EW	5076.80
465	114	10" THK.		1500	15	29.50	SL	15M @15" BOT. EW	46152.75
466	114	TOP & BOTTOM ADDITIONALS							
467	114			20	20	15.42	ST	20-20Mx15'-5" TOP	463.22
468	114			20	20	18.00	ST	20-20Mx18'-0" TOP	540.72
469	114			3	15	18.00	ST	3-15Mx18'-0" BOT.	56.32
470	114			22	20	15.42	ST	22-20Mx15'-5" TOP	509.54

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
471	114			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
472	114			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
473	114			12	20	16.33	ST	12-20Mx16'-4" TOP	294.33
474	114			16	20	13.75	ST	16-20Mx13'-9" TOP	330.44
475	114		3	14	20	16.33	ST	14-20Mx16'-4" TOP	1030.16
476	114			16	20	13.75	ST	16-20Mx13'-9" TOP	330.44
477	114		4	20	20	16.33	ST	20-20Mx16'-4" TOP	1962.21
478	114			18	20	16.33	ST	18-20Mx16'-4" TOP	441.50
479	114			10	15	9.00	ST	10-15Mx9'-0" TOP	93.87
480	114			8	15	11.75	ST	8-15Mx11'-9" TOP	98.04
481	114			12	15	11.75	HB	12-C15Mx11'-9" TOP	147.06
482	114			10	15	11.75	ST	10-15Mx11'-9" TOP	122.55
483	114			16	20	15.42	ST	16-20Mx15'-5" TOP	370.57
484	114			18	20	15.42	ST	18-20Mx15'-5" TOP	416.90
485	114			18	20	35.42	ST	18-20Mx35'-5" TOP	957.62
486	114			8	15	6.50	ST	8-15Mx6'-6" TOP	54.24
487	114			16	15	9.00	ST	16-15Mx9'-0" TOP	150.19
488	114			8	20	15.42	ST	8-20Mx15'-5" TOP	185.29
489	114			14	20	35.42	ST	14-20Mx35'-5" TOP	744.81
490	114			16	20	15.42	ST	16-20Mx15'-5" TOP	370.57
491	114			30	15	18.00	ST	15Mx18'-0" @30" BOT.	563.22
492	114			45	15	18.00	ST	15Mx18'-0" @15" BOT.	844.83
493	114			10	20	16.33	ST	10-20Mx16'-4" TOP	245.28
494	114			12	20	14.75	ST	12-20Mx14'-9" TOP	265.85
495	114		2	12	15	11.75	ST	12-15Mx11'-9" TOP	294.13
496	114			58	15	16.33	ST	15Mx16'-4" @10" BOT.	987.87
497	114			10	15	16.33	ST	10-15Mx16'-4" TOP	170.32
498	114			14	20	16.33	ST	14-20Mx16'-4" TOP	343.39
499	114			22	15	16.33	ST	15x16'-4" @15" BOT.	374.71
500	114			3	15	26.25	ST	3-15Mx26'-3" BOT.	82.14
501	114			10	20	16.33	ST	10-20Mx16'-4" TOP	245.28
502	114			55	15	23.00	ST	15Mx23'-0" @8" TOP	1319.40
503	114			52	20	13.75	ST	20Mx13'-9" @8" TOP	1073.93
504	114			28	20	15.42	ST	28-20Mx15'-5" TOP	648.50
505	114			48	15	18.00	ST	15Mx18'-0" @10" TOP	901.15
506	114			10	15	10.42	ST	10-15Mx10'-5" TOP	108.68
507	114			6	15	6.50	ST	15Mx6'-6" @16" TOP	40.68
508	114			14	20	18.00	ST	14-20Mx18'-0" TOP	378.50
509	114			30	15	10.42	ST	30-15Mx10'-5" @10" TOP	326.04
510	114			12	20	16.33	ST	12-20Mx16'-4" TOP	294.33
511	114			12	20	18.00	ST	12-20Mx18'-0" TOP	324.43
512	114			2	15	18.00	ST	2-15Mx18'-0" BOT.	37.55
513	114			2	15	7.83	ST	2-15Mx7'-10" BOT.	16.34
514	114			10	15	11.75	ST	10-15Mx11'-9" TOP	122.55
515	114			20	20	9.83	HB	C20Mx9'-10" @12" TOP	295.38
516	114			210	15	8.83	HB	C15Mx5'-10" @12" TOP	1934.69
517	114			90	15	9.00	HB	C15Mx9'-0" @12" TOP	844.83

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
518	114			4	20	12.50	ST	4-20Mx12'-6" BOT.	75.10
519	114			30	20	11.75	ST	20Mx11'-9" @12" TOP	529.46
520	114			20	20	19.67	ST	20-20Mx19'-8" TOP	590.89
521	114			60	15	19.67	ST	15Mx19'-8" @15" BOT.	1230.95
522	114			8	20	13.75	ST	8-20Mx13'-9" TOP	165.22
523	114			12	15	9.00	ST	12-15Mx9'-0" TOP	112.64
524	114			26	20	15.42	ST	26-20Mx15'-5" TOP	602.18
525	114			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
526	114			14	15	7.83	HB	C15Mx7'-10" @12" TOP	114.38
527	114			14	20	19.67	ST	14-20Mx19'-8" TOP	413.62
528	114			16	20	16.33	ST	16-20Mx16'-4" TOP	392.44
529	114			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
530	114			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
531	114			8	20	14.75	ST	8-20Mx14'-9" TOP	177.24
532	114			18	25	18.00	ST	18-25Mx18'-0" TOP	865.08
533	114			16	25	16.33	ST	16-25Mx16'-4" TOP	697.62
534	114			60	15	19.67	ST	15Mx19'-8" @30" BOT.	1230.95
535	114			12	20	18.00	ST	12-20Mx18'-0" TOP	324.43
536	114			20	20	26.25	ST	20-20Mx26'-3" TOP	788.55
537	114			18	20	18.00	ST	18-20Mx18'-0" TOP	486.65
538	114			12	20	13.08	ST	12-20Mx13'-1" TOP	235.75
539	114			22	20	11.75	HB	C20Mx11'-9" @8" TOP	388.27
540	114			60	20	9.83	ST	20Mx9'-10" @15" TOP	885.88
541	114			16	20	9.00	HB	C20Mx9'-0" @10" TOP	216.29
542	114			17	20	11.75	ST	20Mx11'-9" @10" TOP	300.02
543	114			10	15	3.92	HB	C15Mx3'-11" @18" TOP	40.89
544	114			16	20	16.33	ST	20Mx16'-4" @10" TOP	392.44
545	114			30	20	16.33	HB	C20Mx16'-4" @10" TOP	735.83
546	114			9	15	3.92	HB	C15Mx3'-11" @18" TOP	36.80
547	114			16	20	11.75	ST	20Mx11'-9" @10" TOP	282.38
548	114			9	15	3.92	HB	C15Mx3'-11" @18" TOP	36.80
549	114			18	15	10.42	ST	15Mx10'-5" @8" TOP	195.63
550	114		4	2	15	10.42	ST	2-15Mx10'-5" BOT.	86.94
551	114		4	2	15	13.42	ST	2-15Mx13'-9" BOT.	111.98
552	114			25	15	9.83	HB	C15Mx9'-10" @12" TOP	256.40
553	114			13	15	9.00	ST	15Mx9'-0" @18" TOP	122.03
554	114		4	8	15	9.00	ST	8-15Mx9'-0" TOP	300.38
555	114		3	6	20	15.42	ST	6-20Mx15'-5" TOP	416.90
556	114			20	15	7.33	ST	15Mx7'-4" @18" TOP	152.90
557	114			55	15	13.08	ST	15Mx13'-1" @10" TOP	750.33
558	114			12	20	9.83	HB	12-C20Mx9'-10" TOP	177.24
559	114			9	15	9.00	HB	C15Mx9'-0" @12" TOP	84.48
560	114			145	15	3.92	HB	C15Mx3'-11" @18" TOP	592.84
561	114			350	15	3.92	HB	C15Mx3'-11" @18" TOP	1431.00
562	114			55	15	13.08	ST	15Mx13'-1" @10" TOP	750.33
563	114			16	20	13.08	ST	16-20Mx13'-1" TOP	314.34
564	114			10	15	5.83	HB	C15Mx5'-10" @12" TOP	60.84

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
565	114			10	20	12.50	HB	10-C20Mx12'-6" TOP	187.75
566	114			13	25	13.75	ST	13-25Mx13'-9" TOP	477.26
567	114			15	15	13.75	ST	15Mx13'-9" @15" BOT.	215.12
568	114			25	20	21.33	ST	20Mx21'-4" @15" BOT.	800.94
569	114			35	20	16.33	HB	C20Mx16'-4" @4" TOP	858.47
570	114			16	20	18.00	ST	16-20Mx18'-0" TOP	432.58
571	114			12	15	5.83	HB	C15Mx5'-10" @12" TOP	73.01
572	114		2	14	20	16.33	ST	14-20Mx16'-4" TOP	686.77
573	114			12	15	11.75	ST	12-15Mx11'-9" TOP	147.06
574	114			16	20	16.33	ST	16-20Mx16'-4" TOP	392.44
575	114			8	15	21.33	ST	8-15Mx21'-4" BOT.	177.98
576	114			13	25	11.75	ST	13-25Mx11'-9" TOP	407.84
577	114		2	10	15	9.00	ST	10-15Mx9'-0" TOP	187.74
578	114			45	15	12.50	HB	C15Mx12'-6" @10" TOP	586.69
579	114			26	15	18.00	HB	26-C15Mx18'-0" TOP	488.12
580	114			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
581	114			12	25	13.75	ST	12-25Mx13'-9" @12" TOP	440.55
582	114	T1	15	6	15	5.83	ST	6-15Mx5'-10" TOP	547.54
583	114		15	4	15	4.92	HB	2-C15Mx4'-11" T&B	307.89
584	114			265	15	29.50	SL	15M @48" SUPT. BAR	8153.65
585	114			1700	10	4.99	HB	10M @48" STANDEE	5839.81
586	114	INTEGRITY BARS		35	15	29.50	ST	2-15M ADD'L	1076.90
587									
588	115	LEVEL 4 - REF: S-10							
589	115	14" THICK		1125	15	29.50	SL	15M @11" BOT. EW	34614.56
590	115	54" & 60" THICK		580	35	39.33	SL	35M @12" BOT. EW	121196.97
591	115	8" THICK		25	15	29.50	SL	15M @18" BOT. EW	769.21
592	115	TOP & BOTTOM ADDITIONALS							
593	115			6	15	6.50	ST	6-15Mx6'-6" TOP	40.68
594	115			8	25	11.75	ST	8-25Mx11'-9" TOP	250.98
595	115			12	25	15.42	ST	12-25x15'-5" TOP	494.06
596	115			16	25	15.42	ST	16-25Mx15'-5" TOP	658.74
597	115			4	25	19.67	ST	4-25Mx19'-8" BOT.	210.08
598	115			4	25	16.33	ST	4-25Mx16'-4" TOP	174.40
599	115			12	25	15.42	ST	12-25Mx15'-5" TOP	494.06
600	115			14	25	16.33	ST	14-25Mx16'-4" TOP	610.42
601	115			4	20	18.00	ST	4-20Mx18'-0" TOP	108.14
602	115			12	25	13.75	ST	12-25Mx13'-9" TOP	440.55
603	115			12	20	18.00	ST	12-20Mx18'-0" TOP	324.43
604	115			16	20	13.75	ST	16-20Mx13'-9" TOP	330.44
605	115			12	20	18.00	ST	12-20Mx18'-0" TOP	324.43
606	115			14	25	15.42	ST	14-25Mx15'-5" TOP	576.40
607	115			12	25	18.00	ST	12-25Mx18'-0" TOP	576.72
608	115		2	12	25	16.33	ST	12-25Mx16'-4" TOP	1046.62
609	115		2	14	25	16.33	ST	14-25Mx16'-4" TOP	1221.06
610	115			16	15	9.00	ST	16-15Mx9'-0" TOP	150.19
611	115			8	15	11.75	ST	8-15Mx11'-9" TOP	98.04

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
612	115			12	20	12.50	HB	12-C20Mx12'-6" TOP	225.30
613	115			32	15	18.00	ST	15Mx18'-0" @11" BOT.	600.77
614	115			6	35	16.33	ST	6-35Mx16'-4" BOT.	520.57
615	115			18	20	13.08	HB	18-C20Mx13'-1" TOP	353.63
616	115			14	25	15.75	ST	14-25Mx15'-9" TOP	588.74
617	115			20	20	16.33	ST	20-20Mx16'-4" TOP	490.55
618	115			14	20	18.00	ST	14-20Mx18'-0" TOP	378.50
619	115			5	15	9.00	ST	5-15Mx9'-0" BOT.	46.94
620	115			16	25	15.42	ST	16-25Mx15'-5" TOP	658.74
621	115			22	30	21.33	ST	22-30Mx21'-4" TOP	1595.48
622	115			12	30	15.42	ST	30Mx15'-9" @8" TOP	629.14
623	115			10	20	13.08	ST	10-20Mx13'-1" TOP	196.46
624	115			4	15	10.42	ST	4-15Mx10'-5" BOT.	43.47
625	115			27	20	12.50	ST	C20Mx12'-6" @6" TOP	506.93
626	115			18	30	15.75	ST	30Mx15'-9" @8" TOP	963.90
627	115			16	25	15.42	ST	16-25Mx15'-5" TOP	658.74
628	115			12	35	16.33	ST	12-35Mx16'-4" TOP	1041.14
629	115			46	25	29.50	ST	46-25Mx29'-6" TOP	3623.19
630	115			23	15	16.33	ST	15Mx16'-4" @11" BOT.	391.74
631	115			16	20	15.42	ST	16-20Mx15'-5" TOP	370.57
632	115			14	25	16.33	ST	14-25Mx16'-4" TOP	610.42
633	115			12	15	11.75	ST	12-C15Mx11'-9" TOP	147.06
634	115			18	20	15.75	ST	18-20Mx15'-9" TOP	425.82
635	115			14	15	13.75	ST	14-15Mx13'-9" TOP	200.78
636	115			6	15	16.50	ST	6-15Mx6'-6" TOP	103.26
637	115			10	20	12.50	ST	10-20Mx12'-6" TOP	187.75
638	115			42	15	19.67	ST	15Mx19'-8" @11" BOT.	861.66
639	115			14	25	35.42	ST	14-25Mx35'-5" TOP	1324.00
640	115			16	20	11.75	ST	20Mx11'-9" @8" TOP	282.38
641	115			18	15	11.75	ST	18-15Mx11'-9" TOP	220.59
642	115			5	35	14.75	ST	5-35Mx14'-9" TOP	391.83
643	115			16	15	11.75	ST	16-15Mx11'-9" TOP	196.08
644	115			14	20	16.33	ST	14-20Mx16'-4" TOP	343.39
645	115			5	15	9.00	ST	5-15Mx9'-0" BOT.	46.94
646	115			10	35	14.75	ST	10-35Mx14'-9" TOP	783.67
647	115			82	25	23.00	ST	25Mx23'-0" @6" TOP	5035.62
648	115			4	15	10.42	ST	4-15Mx10'-5" BOT.	43.47
649	115			2	15	7.83	ST	2-15Mx7'-10" BOT.	16.34
650	115			100	30	14.75	ST	30Mx14'-9" @12" TOP	5015.00
651	115			12	30	14.75	ST	12-30Mx14'-9" TOP	601.80
652	115			20	15	12.50	ST	15Mx12'-6" @12" TOP	260.75
653	115			2	15	18.00	ST	2-15Mx18'-0" BOT.	37.55
654	115			2	25	10.42	ST	2-25Mx10'-5" BOT.	55.65
655	115			11	25	13.75	ST	25Mx13'-9" @6" TOP	403.84
656	115			22	30	14.75	ST	22-30Mx14'-9" TOP	1103.30
657	115			16	15	12.50	ST	16-15Mx12'-6" TOP	208.60
658	115			4	15	14.75	ST	4-15Mx14'-9" BOT.	61.54

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
659	115			5	30	14.75	ST	5-30Mx14'-9" TOP	250.75
660	115			14	20	9.83	ST	14-20Mx9'-10" TOP	206.77
661	115			14	15	16.33	ST	14-15Mx16'-4" TOP	238.45
662	115			24	20	11.75	ST	20Mx11'-9" @10" TOP	423.56
663	115			53	20	9.00	HB	C20Mx9'-0" @12" TOP	716.45
664	115			5	20	9.00	ST	5-20Mx9'-0" BOT.	67.59
665	115			14	35	15.42	ST	14-35Mx15'-5" TOP	1146.97
666	115			18	30	16.33	ST	18-30Mx16'-4" TOP	999.40
667	115			32	20	13.08	HB	C20Mx13'-1" @12" TOP	628.68
668	115			58	20	9.83	HB	C20Mx9'-10" @11" BOT.	856.61
669	115			62	20	9.83	HB	C20Mx9'-10" @11" BOT.	915.69
670	115			13	15	16.33	ST	15Mx16'-4" @11" BOT.	221.42
671	115			20	20	13.75	HB	20-C20x13'-9" TOP	413.05
672	115			12	25	16.33	ST	12-25Mx16'-4" TOP	523.21
673	115			25	20	18.00	HB	20M @6" TOP	675.90
674	115			10	30	15.75	ST	10-30Mx15'-9" TOP	535.50
675	115			16	20	6.50	ST	16-20Mx6'-6" TOP	156.21
676	115			10	25	12.50	ST	10-25Mx12'-6" TOP	333.75
677	115			18	30	16.33	ST	18-30Mx16'-4" TOP	999.40
678	115			14	30	14.75	ST	14-30Mx14'-9" TOP	702.10
679	115			14	15	16.50	HB	C15Mx6'-6" @10" TOP	240.93
680	115			26	20	24.58	ST	26-20Mx24'-7" TOP	959.90
681	115		2	16	25	12.50	ST	16-25Mx12'-6" TOP	1068.00
682	115			26	15	13.67	HB	15M @10" TOP	370.59
683	115			16	15	16.67	HB	15M @10" TOP	278.12
684	115	T1	14	8	15	5.92	ST	8-15Mx5'-11" TOP	691.55
685	115	T2	13	6	15	7.83	HB	6-C15Mx7'-10" TOP	637.25
686	115	T3	2	8	15	7.83	ST	8-15Mx7'-10" TOP	130.72
687	115			20	20	15.75	HB	20-C20x15'-9" TOP	473.13
688	115			20	25	14.75	ST	25Mx14'-9" @8" TOP	787.65
689	115			35	15	19.67	ST	15Mx19'-8" @10" TOP	718.05
690	115			10	15	21.33	ST	10-15Mx21'-4" TOP	222.47
691	115			12	15	11.75	ST	12-15Mx11'-9" TOP	147.06
692	115			10	20	21.33	ST	10-20Mx21'-4" TOP	320.38
693	115			14	20	16.33	ST	14-20Mx16'-4" TOP	343.39
694	115			16	20	16.33	ST	16-20Mx16'-4" TOP	392.44
695	115			10	35	21.33	ST	10-35Mx21'-4" TOP	1133.26
696	115			16	15	11.75	ST	16-15Mx11'-9" TOP	196.08
697	115			8	25	21.33	ST	8-25Mx21'-4" TOP	455.61
698	115			8	25	21.33	ST	8-25Mx21'-4" TOP	455.61
699	115			16	15	11.75	ST	16-15Mx11'-9" TOP	196.08
700	115			68	25	21.33	ST	25Mx21'-4" @14" TOP	3872.67
701	115			14	20	16.33	ST	14-20Mx16'-4" TOP	343.39
702	115			14	15	11.75	ST	14-15Mx11'-9" TOP	171.57
703	115			16	20	13.75	ST	20Mx13'-9" @10" TOP	330.44
704	115			25	25	23.00	ST	25Mx23'-0" @12" TOP	1535.25
705	115			18	15	6.50	HB	C15Mx6'-6" @12" TOP	122.03

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
706	115			18	15	9.00	HB	C15Mx9'-0" @8" TOP	168.97
707	115			72	15	12.50	ST	15Mx12'-6" @10" TOP	938.70
708	115			16	20	18.00	ST	20Mx18'-0" @10" TOP	432.58
709	115			30	20	12.50	ST	20Mx12'-6" @10" TOP	563.25
710	115			12	20	11.75	ST	20Mx11'-9" @12" TOP	211.78
711	115		3	30	20	13.08	ST	20Mx13'-1" @10" TOP	1768.15
712	115		3	12	20	15.42	ST	12-20Mx15'-5" TOP	833.79
713	115			14	20	13.08	ST	14-20Mx13'-1" TOP	275.05
714	115			26	20	9.83	HB	C20Mx9'-10" @10" TOP	384.00
715	115			40	15	4.92	HB	C15Mx4'-11" @12" TOP	205.26
716	115		4	9	20	7.33	HB	C20Mx7'-4" @6" TOP	396.35
717	115		4	18	15	3.92	HB	C15Mx3'-11" @18" TOP	294.38
718	115			320	15	3.92	HB	C15Mx3'-11" @18" TOP	1308.34
719	115	ST1	7	24	15	10.97	LB	12-15M STPS.	1922.73
720	115		7	24	15	7.09	LB	12-15M STPS.	1242.86
721	115	ST2		28	15	13.39	LB	14-15M STPS.	391.04
722	115			28	15	7.09	LB	14-15M STPS.	207.14
723	115	ST3	4	8	15	34.64	LB	4-15M STPS.	1156.14
724	115		4	8	15	22.99	LB	4-15M STPS.	767.31
725	115			4000	15	6.25	LB	15M @12" HAIR PIN EW	26075.00
726	115			1225	15	6.25	LB	15M @6" HAIR PIN EW	7985.47
727	115			275	15	29.50	SL	15M @48" SUPT. BAR	8461.34
728	115			1160	10	5.67	HB	10M @48" STANDEE	4527.51
729	115			25	10	4.67	HB	10M @48" STANDEE	80.38
730	115	INTEGRITY BARS		74	15	29.50	ST	2-15M ADD'L	2276.87
731	115								
732	115	REF:3/S20		48	20	39.50	SL	4-20M T&B CONT.	2847.79
733	115			112	15	5.83	HB	C15Mx5'-10" TOP	681.39
734	115			45	15	29.50	SL	C15Mx12" HORZ. EF	1384.58
735	115			236	15	11.38	LB	15M @8" STPS.	2801.16
736	115		4	4	20	5.00	HB	20M COR.	120.16
737	115		4	8	15	4.00	HB	15M COR.	133.50
738	115								
739	115	REF:3/S20		16	20	39.50	HB	4-20M T&B CONT.	949.26
740	115			62	15	5.83	HB	C15Mx5'-10" TOP	377.20
741	115			16	15	29.50	HB	C15Mx12" HORZ. EF	492.30
742	115			76	15	11.38	LB	15M @8" STPS.	902.07
743	115								
744	115	REF:2/S20		285	15	9.00	HB	15M @16" Z BAR	2675.30
745	115			29	15	29.50	SL	15M @12" HORZ.	892.29
746	115		3	2	15	5.00	HB	15M COR.	31.29
747	115								
748	115	REF:1/S20		306	15	9.00	HB	15M @16" Z BAR	2872.42
749	115			30	15	29.50	SL	15M @12" HORZ.	923.06
750	115		20	2	15	5.00	HB	15M COR.	208.60
751	115								
752	115	REF:10/S2		18	15	29.50	SL	2-15M T&B CONT.	553.83

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
753	115			152	15	3.92	HB	C15Mx3'-11" @18" TOP	621.46
754	115			114	15	7.00	HB	15M @12" Z BAR	832.31
755	115			14	15	29.50	SL	15M @12" HORZ.	430.76
756									
757	211	PHASE 2							
758	211	CONCRETE SLAB AND ADDITIONALS							
759	211	LEVEL P1 - REF:S-6							
760	211	10" THICK		1450	15	29.50	SL	15M @15" BOT. EW	44614.33
761	211			222	15	29.50	SL	15M @48" SUPT. BAR	6830.61
762	211			1300	10	5.67	HB	10M @48" STANDEE	5073.93
763	211	ST1	11	20	15	8.99	LB	10-15M STPS	2061.70
764	211		11	20	15	6.08	LB	10-15M STPS	1394.89
765									
766	212	GROUND LEVEL - REF:S-7							
767	212	10" THICK		1275	15	29.50	SL	15M @15" BOT. EW	39229.84
768	212	12" THICK		285	15	29.50	SL	15M @10" TOP EW	8769.02
769	212			300	20	29.50	SL	20M @10" BOT. EW	13292.70
770	212			280	15	2.83	HB	15M @10" BEND BAR	827.35
771	212			280	20	4.50	HB	20M @10" BOT. EW	1892.52
772	212	24" THICK		120	30	39.30	SL	30M @10" EW	16034.40
773	212	S1		60	15	57.80	LB	15M @12" STPS.	3617.12
774	212			1000	15	3.41	LB	15M @10" HAIR PIN EW	3559.76
775	212			250	15	29.50	SL	15M @48" SUPT. BAR	7692.13
776	212			1400	10	4.99	HB	10M @48" STANDEE	4809.26
777	212	INTEGRITY BARS		36	15	29.50	ST	2-15M ADD'L	1107.67
778	212	REF:2/S20		20	15	9.00	HB	15M @16" Z BAR	187.74
779	212			2	15	29.50	ST	15M @12" HORZ.	61.54
780	212	REF:1/S20		64	30	39.33	ST	8-30M T&B	8558.21
781	212			224	15	4.83	HB	C15M @18" TOP	1129.14
782	212			230	15	11.16	LB	15M @8" STPS.	2677.17
783	212			68	10	19.67	ST	10M @12" HORZ. EF	920.24
784									
785	213	LEVEL 2 - REF:S-8							
786	213	10" THICK		1225	15	29.50	SL	15M @15" BOT. EW	37691.41
787	213	8" THICK		150	15	29.50	SL	15M @18" BOT. EW	4615.28
788	213			215	15	29.50	SL	15M @48" SUPT. BAR	6615.23
789	213			1200	10	4.99	HB	10M @48" STANDEE	4122.22
790	213	INTEGRITY BARS		33	15	29.50	ST	2-15M ADD'L	1015.36
791									
792	214	LEVEL 3 - REF:S-9							
793	214	10" THICK		1350	15	29.50	SL	15M @15" BOT. EW	41537.48
794	214	8" THICK		150	15	29.50	SL	15M @18" BOT. EW	4615.28
795	214			235	15	29.50	SL	15M @48" SUPT. BAR	7230.60
796	214			1500	10	4.99	HB	10M @48" STANDEE	5152.78
797	214	INTEGRITY BARS		36	15	29.50	ST	2-15M ADD'L	1107.67
798									
799	215	LEVEL 4 - REF:S-10							

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
800	215	12" THICK		1140	15	29.50	SL	15M @12" BOT. EW	35076.09
801	215	42" & 48" THICK		675	30	39.33	SL	30M @11" BOT. EW	90262.35
802	215			240	15	29.50	SL	15M @48" SUPT. BAR	7384.44
803	215			950	10	4.99	HB	10M @48" STANDEE	3263.42
804	215	ST1	13	24	15	9.65	LB	12-15M STPS.	3141.24
805	215		13	24	15	6.82	LB	12-15M STPS.	2220.31
806	215	ST2	4	20	15	41.14	LB	10-15M STPS.	3432.64
807	215		4	20	15	18.32	LB	10-15M STPS.	1528.62
808	215			4750	15	5.41	LB	15M @11" HAIR PIN EW	26817.36
809	215			8600	15	5.41	LB	15M @5½" HAIR PIN EW	48553.53
810	215	INTEGRITY BARS		50	15	29.50	ST	2-15M ADD'L	1538.43
811	215								
812	215	REF:4/S20		200	15	9.00	HB	15Mx16" Z BAR	1877.40
813	215			255	20	11.75	ST	20Mx11'-9" @12" TOP	4500.37
814	215	REF:1/S20		286	15	10.00	HB	15Mx16" Z BAR	2982.98
815	215			15	15	29.33	SL	15M @12" HORZ.	458.87
816	215			20	15	4.00	HB	15M COR.	83.44
817	215			300	15	6.50	ST	15Mx6'-6" @16" TOP	2033.85
818	215	REF:10/S2		15	15	29.50	SL	2-15M T&B CONT.	461.53
819	215			70	15	3.92	HB	C15Mx3'-11" @18" TOP	286.20
820	215			100	15	7.00	HB	15M @12" Z BAR	730.10
821	215			12	15	29.50	SL	15M @12" HORZ.	369.22
822									
823	125	CONCRETE STAIRS PHASE 1- REF:20/S3							
824	125	STAIR A3							
825	125	FLIGHT	14	7	15	21.50	HB	7-15M BOT.LW	2197.60
826	125		14	14	10	3.67	ST	10M @16" BOT.SW	494.49
827	125	LANDING	13	3	20	8.00	ST	3-20M B BARS	468.62
828	125		13	5	15	8.00	ST	15M @12" C BARS	542.36
829	125		13	7	10	7.00	HB	7-10M D BARS	438.26
830	125		13	2	15	5.00	ST	2-15M CONT.	135.59
831	125		13	6	15	5.00	ST	6-15M E BARS	406.77
832	125		13	2	15	8.00	ST	2-15M SUPPORT BAR	216.94
833	125		13	6	15	4.00	HB	6-15M ADD'L	325.42
834	125	STAIR A4							
835	125	FLIGHT	4	7	15	21.50	HB	7-15M BOT.LW	627.89
836	125		4	14	10	3.67	ST	10M @16" BOT.SW	141.28
837	125	LANDING	3	3	20	8.00	ST	3-20M B BARS	108.14
838	125		3	5	15	8.00	ST	15M @12" C BARS	125.16
839	125		3	7	10	7.00	HB	7-10M D BARS	101.14
840	125		3	2	15	5.00	ST	2-15M CONT.	31.29
841	125		3	6	15	5.00	ST	6-15M E BARS	93.87
842	125		3	2	15	8.00	ST	2-15M SUPPORT BAR	50.06
843	125		3	6	15	4.00	HB	6-15M ADD'L	75.10
844	125								
845	125	STAIR A5							
846	125	FLIGHT	12	7	15	21.50	HB	7-15M BOT.LW	1883.66

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
847	125		12	14	10	3.67	ST	10M @16" BOT.SW	423.85
848	125	LANDING	12	3	20	8.00	ST	3-20M B BARS	432.58
849	125		12	5	15	8.00	ST	15M @12" C BARS	500.64
850	125		12	7	10	7.00	HB	7-10M D BARS	404.54
851	125		12	2	15	5.00	ST	2-15M CONT.	125.16
852	125		12	6	15	5.00	ST	6-15M E BARS	375.48
853	125		12	2	15	8.00	ST	2-15M SUPPORT BAR	200.26
854	125		12	6	15	4.00	HB	6-15M ADD'L	300.38
855	125								
856	125	STAIR TH							
857	125	FLIGHT	5	7	15	21.50	HB	7-15M BOT.LW	784.86
858	125		5	14	10	3.67	ST	10M @16" BOT.SW	176.60
859	125	LANDING	4	3	20	8.00	ST	3-20M B BARS	144.19
860	125		4	5	15	8.00	ST	15M @12" C BARS	166.88
861	125		4	7	10	7.00	HB	7-10M D BARS	134.85
862	125		4	2	15	5.00	ST	2-15M CONT.	41.72
863	125		4	6	15	5.00	ST	6-15M E BARS	125.16
864	125		4	2	15	8.00	ST	2-15M SUPPORT BAR	66.75
865	125		4	6	15	4.00	HB	6-15M ADD'L	100.13
866	125								
867	125	STAIR A1 & A2							
868	125	FLIGHT	66	7	15	21.50	HB	7-15M BOT.LW	10360.12
869	125		66	14	10	3.67	ST	10M @16" BOT.SW	2331.16
870	125	LANDING	68	3	20	8.00	ST	3-20M B BARS	2451.26
871	125		68	5	15	8.00	ST	15M @12" C BARS	2836.96
872	125		68	7	10	7.00	HB	7-10M D BARS	2292.42
873	125		68	2	15	5.00	ST	2-15M CONT.	709.24
874	125		68	6	15	5.00	ST	6-15M E BARS	2127.72
875	125		68	2	15	8.00	ST	2-15M SUPPORT BAR	1134.78
876	125		68	6	15	4.00	HB	6-15M ADD'L	1702.18
877									
878	225	CONCRETE STAIRS PHASE 2- REF:20/S3							
879	225	STAIR B3							
880	225	FLIGHT	13	7	15	21.50	HB	7-15M BOT.LW	2040.63
881	225		13	14	10	3.67	ST	10M @16" BOT.SW	459.17
882	225	LANDING	13	3	20	8.00	ST	3-20M B BARS	468.62
883	225		13	5	15	8.00	ST	15M @12" C BARS	542.36
884	225		13	7	10	7.00	HB	7-10M D BARS	438.26
885	225		13	2	15	5.00	ST	2-15M CONT.	135.59
886	225		13	6	15	5.00	ST	6-15M E BARS	406.77
887	225		13	2	15	8.00	ST	2-15M SUPPORT BAR	216.94
888	225		13	6	15	4.00	HB	6-15M ADD'L	325.42
889	225								
890	225	STAIR B#TH 6&7							
891	225	FLIGHT	4	7	15	21.50	HB	7-15M BOT.LW	627.89
892	225		4	14	10	3.67	ST	10M @16" BOT.SW	141.28
893	225	LANDING	4	3	20	8.00	ST	3-20M B BARS	144.19

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
894	225		4	5	15	8.00	ST	15M @12" C BARS	166.88
895	225		4	7	10	7.00	HB	7-10M D BARS	134.85
896	225		4	2	15	5.00	ST	2-15M CONT.	41.72
897	225		4	6	15	5.00	ST	6-15M E BARS	125.16
898	225		4	2	15	8.00	ST	2-15M SUPPORT BAR	66.75
899	225		4	6	15	4.00	HB	6-15M ADD'L	100.13
900	225								
901	225	STAIR B#1 & #2							
902	225	FLIGHT	56	7	15	21.50	HB	7-15M BOT.LW	8790.40
903	225		56	14	10	3.67	ST	10M @16" BOT.SW	1977.95
904	225	LANDING	58	3	20	8.00	ST	3-20M B BARS	2090.78
905	225		58	5	15	8.00	ST	15M @12" C BARS	2419.76
906	225		58	7	10	7.00	HB	7-10M D BARS	1955.30
907	225		58	2	15	5.00	ST	2-15M CONT.	604.94
908	225		58	6	15	5.00	ST	6-15M E BARS	1814.82
909	225		58	2	15	8.00	ST	2-15M SUPPORT BAR	967.90
910	225		58	6	15	4.00	HB	6-15M ADD'L	1451.86
911									
912	124	LOT A							
913	124	ROOF LEVEL - REF: S-15							
914	124	9" THK SLAB		50	15	29.50	SL	15M @16" BOT. EW	1538.43
915	124			50	15	29.50	SL	15M @16" TOP EW	1538.43
916	124			10	15	29.50	SL	15M @48" SUPT. BAR	307.69
917	124			65	10	13.67	LB	10M @48" STANDEE	611.32
918	123	LEVEL 34 - REF: S-15							
919	123	9" THK SLAB		120	15	29.50	SL	15M @17" BOT. EW	3692.22
920	123			25	15	29.50	SL	15M @48" SUPT. BAR	769.21
921	123			175	10	13.67	LB	10M @48" STANDEE	1645.87
922	123			18	15	29.50	SL	1-15M T&B	553.83
923	123			12	15	4.00	HB	15M COR.	50.06
924	123	PLAN ADDITIONALS		25	15	3.92	HB	C15M03.11 @18"	102.21
925	123			35	15	4.92	HB	C15M04.11 @18"	179.60
926	123			10	15	4.92	HB	10-C15M04.11	51.32
927	123			10	15	4.92	HB	10-C15M04.11	51.32
928	123			8	15	9.00	ST	8-15M09.0	75.10
929	123			8	15	23.00	HB	8-C15M23.0	191.91
930	123			8	15	23.00	HB	8-C15M23.0	191.91
931	123			8	15	8.42	HB	8-C15M08.5	70.26
932	123			8	15	8.42	HB	8-C15M08.5	70.26
933	123			6	15	11.75	ST	6-15M11.9	73.53
934	123			5	15	6.50	HB	5-C15M06.6	33.90
935	123			5	15	6.50	HB	5-C15M06.6	33.90
936	123			14	15	14.75	ST	14-15M14.9	215.38
937	123			14	20	11.75	ST	14-20M11.9	247.08
938	123			8	20	14.75	ST	8-20M14.9	177.24
939	123			26	20	14.75	ST	20M14.9 @12"	576.02
940	123			3	15	12.50	ST	3-15M12.6	39.11

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
941	123			20	15	6.50	ST	15M06.6 @16"	135.59
942	123			5	15	8.42	ST	15M08.5 @12"	43.91
943	123			2	15	7.83	ST	2-15M07.10	16.33
944	123			22	15	6.92	HB	15M @12'	158.71
945	123	INTEGRITY BARS		8	15	29.50	ST	2-15M EW	246.15
946									
947	122	LEVEL 33 - REF: S-15							
948	122	9" THK SLAB		285	15	29.50	SL	15M @17" BOT. EW	8769.02
949	122			56	15	29.50	SL	15M @48" SUPT. BAR	1723.04
950	122			380	10	13.67	LB	10M @48" STANDEE	3573.88
951	122			30	15	29.50	SL	1-15M T&B	923.06
952	122			24	15	4.00	HB	15M COR.	100.13
953	122	PLAN ADDITIONALS		10	15	29.42	ST	10-15M29.5	306.85
954	122			10	15	8.42	ST	10-C15M08.5	87.82
955	122			10	15	4.93	ST	10-C15M04.11	51.42
956	122			22	15	21.33	ST	15M21.4 @16"	489.44
957	122			16	15	29.42	ST	16-15M29.5	490.96
958	122			12	20	11.75	ST	12-20M11.9	211.78
959	122			12	20	11.75	ST	12-20M11.9	211.78
960	122			10	15	29.42	ST	10-15M29.5	306.85
961	122			10	15	8.42	ST	10-C15M08.5	87.82
962	122			10	15	4.93	ST	10-C15M04.11	51.42
963	122			8	20	18.00	ST	8-20M18.0	216.29
964	122			8	20	14.75	ST	28-20M14.9	177.24
965	122			3	15	3.92	HB	C-15M03.11 @18"	12.27
966	122			10	15	14.75	ST	15M14.9 @10"	153.84
967	122			8	15	11.75	ST	8-15M11.9	98.04
968	122			36	15	11.75	ST	15M11.9 @12"	441.19
969	122			34	15	11.75	ST	34-15M11.9 @12"	416.68
970	122			8	15	12.50	HB	8-C15M12.6	104.30
971	122			6	15	8.42	HB	6-C15M08.5	52.69
972	122			8	15	10.42	ST	8-15M10.5	86.94
973	122			8	15	7.33	HB	8-C15M07.4	61.16
974	122			8	15	12.50	HB	8-C15M12.6	104.30
975	122			6	15	8.42	HB	6-C15M08.5	52.69
976	122			8	15	7.33	HB	8-C15M7.4	61.16
977	122			6	15	8.42	HB	6-C15M08.5	52.69
978	122			8	15	10.42	ST	8-15M10.5	86.94
979	122			8	15	7.33	HB	8-C15M07.4	61.16
980	122			8	15	7.33	HB	8-C15M7.4	61.16
981	122			6	15	8.42	HB	6-C15M08.5	52.69
982	122			8	20	18.00	ST	8-20M18.0	216.29
983	122			8	20	14.75	ST	28-20M14.9	177.24
984	122			3	15	3.92	HB	C-15M03.11 @18"	12.27
985	122			10	15	14.75	ST	15M14.9 @10"	153.84
986	122			8	15	11.75	ST	8-15M11.9	98.04
987	122			10	15	29.42	ST	10-15M29.5	306.85

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
988	122			12	15	8.42	ST	12-C15M08.5	105.38
989	122			14	15	4.93	ST	14-C15M04.11	71.99
990	122			28	15	21.33	ST	15M21.4 @12"	622.92
991	122			14	20	29.42	ST	14-20M29.5	618.64
992	122			14	20	11.75	ST	14-20M11.9	247.08
993	122			16	20	11.75	ST	16-20M11.9	282.38
994	122			10	15	29.42	ST	10-15M29.5	306.85
995	122			12	15	8.42	ST	12-C15M08.5	105.38
996	122			14	15	4.93	ST	14-C15M04.11	71.99
997	122			2	15	7.83	ST	2-15M07.10	16.33
998	122			26	15	14.75	ST	15M14.9 @17"	399.99
999	122	INTEGRITY BARS		22	15	29.50	ST	2-15M EW	676.91
1000									
1001	121	LEVEL 32 - REF: S-14							
1002	121	12" THK SLAB		560	15	29.50	SL	15M @12" BOT. EW	17230.36
1003	121			69	15	29.50	SL	15M @48" SUPT. BAR	2123.03
1004	121			475	10	5.00	LB	10M @48" STANDEE	1635.31
1005	121			36	15	29.50	SL	1-15M T&B	1107.67
1006	121			24	15	4.00	HB	15M COR.	100.13
1007	121	PLAN ADDITIONALS		10	15	29.42	ST	10-15M29.5	306.85
1008	121			8	15	8.42	ST	8-C15M08.5	70.26
1009	121			8	15	4.93	ST	8-C15M04.11	41.14
1010	121			28	15	21.33	ST	15M21.4 @12"	622.92
1011	121			14	15	29.42	ST	14-15M29.5	429.59
1012	121			14	20	11.75	ST	14-20M11.9	247.08
1013	121			12	20	11.75	ST	12-20M11.9	211.78
1014	121			10	15	29.42	ST	10-15M29.5	306.85
1015	121			10	15	8.42	ST	8-C15M08.5	87.82
1016	121			10	15	4.93	ST	8-C15M04.11	51.42
1017	121			12	15	14.75	ST	12-15M14.9	184.61
1018	121			12	15	13.75	ST	12-15M13.9	172.10
1019	121			12	15	12.50	ST	12-15M12.6	156.45
1020	121			14	15	12.50	ST	14-15M12.6	182.53
1021	121			12	15	11.75	ST	12-15M11.9	147.06
1022	121			10	15	11.75	ST	10-15M11.9	122.55
1023	121			12	15	15.42	ST	12-15M15.5	193.00
1024	121			6	15	19.67	ST	6-15M19.8	123.09
1025	121			6	15	19.67	ST	6-15M19.8	123.09
1026	121			12	20	13.08	ST	12-20M13.1	235.75
1027	121			8	15	9.00	ST	8-15M09.0	75.10
1028	121			3	15	3.92	HB	C-15M03.11 @18"	12.27
1029	121			32	15	14.75	ST	15M14.9 @12"	492.30
1030	121			10	15	15.42	ST	15M15.5 @12"	160.83
1031	121			22	15	29.50	ST	15M29.6 @10"	676.91
1032	121			85	15	18.00	ST	15M18.0 @12"	1595.79
1033	121			12	15	21.33	ST	12-15M21.4	266.97
1034	121			36	15	11.75	ST	15M11.9 @12"	441.19

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1035	121			35	15	12.50	ST	15M12.6 @12"	456.31
1036	121			12	15	11.75	ST	12-15M11.9	147.06
1037	121			20	15	5.92	HB	C15M05.11 @12"	123.49
1038	121			2	15	7.83	ST	2-15M07.10	16.33
1039	121			2	15	18.00	ST	2-15M018.0	37.55
1040	121			10	15	29.42	ST	10-15M29.5	306.85
1041	121			8	15	8.42	ST	8-C15M08.5	70.26
1042	121			8	15	4.93	ST	8-C15M04.11	41.14
1043	121			28	15	21.33	ST	15M21.4 @12"	622.92
1044	121			14	15	29.42	ST	14-15M29.5	429.59
1045	121			14	20	11.75	ST	18-20M11.9	247.08
1046	121			12	20	11.75	ST	12-20M11.9	211.78
1047	121			10	15	29.42	ST	10-15M29.5	306.85
1048	121			10	15	8.42	ST	8-C15M08.5	87.82
1049	121			10	15	4.93	ST	8-C15M04.11	51.42
1050	121			12	15	14.75	ST	12-15M14.9	184.61
1051	121			12	15	13.75	ST	12-15M13.9	172.10
1052	121			12	15	12.50	ST	12-15M12.6	156.45
1053	121			14	15	12.50	ST	14-15M12.6	182.53
1054	121			12	15	11.75	ST	12-15M11.9	147.06
1055	121			10	15	11.75	ST	10-15M11.9	122.55
1056	121			12	15	15.42	ST	12-15M15.5	193.00
1057	121			6	15	19.67	ST	6-15M19.8	123.09
1058	121			6	15	19.67	ST	6-15M19.8	123.09
1059	121			12	20	13.08	ST	12-20M13.1	235.75
1060	121			8	15	9.00	ST	8-15M09.0	75.10
1061	121			3	15	3.92	HB	C-15M03.11 @18"	12.27
1062	121			32	15	14.75	ST	15M14.9 @12"	492.30
1063	121			10	15	15.42	ST	15M15.5 @12"	160.83
1064	121			22	15	29.50	ST	15M29.6 @10"	676.91
1065	121	ST1		80	15	3.83	LB	15M @5" STPS	319.41
1066	121			40	15	14.50	LB	15M @5" STPS	605.02
1067	121	ST2		120	15	3.83	LB	15M @5" STPS	479.11
1068	121	ST3		80	15	3.83	LB	15M @5" STPS	319.41
1069	121			80	15	11.67	LB	15M @5" STPS	973.58
1070	121	ST4		40	15	3.83	LB	15M @5" STPS	159.70
1071	121			40	15	14.50	LB	15M @5" STPS	605.02
1072	121	INTEGRITY BARS		36	15	29.50	ST	2-15M EW	1107.67
1073									
1074	120	LEVEL 30 & 31- REF: S-14							
1075	120	8" THK SLAB	2	380	15	29.50	SL	15M @12" BOT. EW	23384.06
1076	120		2	69	15	29.50	SL	15M @48" SUPT. BAR	4246.05
1077	120		2	475	10	4.33	LB	10M @48" STANDEE	2830.09
1078	120		2	36	15	29.50	SL	1-15M T&B	2215.33
1079	120		2	24	15	4.00	HB	15M COR.	200.26
1080	120	PLAN ADDITIONALS	2	10	15	29.42	ST	10-15M29.5	613.70
1081	120		2	8	15	8.42	ST	8-C15M08.5	140.51

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1082	120		2	8	15	4.93	ST	8-C15M04.11	82.27
1083	120		2	21	15	21.33	ST	15M21.4 @16"	934.38
1084	120		2	14	15	29.42	ST	14-15M29.5	859.18
1085	120		2	14	20	11.75	ST	14-20M11.9	494.16
1086	120		2	12	20	11.75	ST	12-20M11.9	423.56
1087	120		2	10	15	29.42	ST	10-15M29.5	613.70
1088	120		2	10	15	8.42	ST	8-C15M08.5	175.64
1089	120		2	10	15	4.93	ST	8-C15M04.11	102.84
1090	120		2	12	15	14.75	ST	12-15M14.9	369.22
1091	120		2	14	15	13.08	ST	14-15M13.1	381.99
1092	120		2	10	20	14.75	ST	10-20M14.9	443.09
1093	120		2	12	20	12.50	ST	12-20M12.6	450.60
1094	120		2	12	15	11.75	ST	12-15M11.9	294.13
1095	120		2	10	15	11.75	ST	10-15M11.9	245.11
1096	120		2	20	15	15.42	ST	20-15M15.5	643.32
1097	120		2	6	15	19.67	ST	6-15M19.8	246.19
1098	120		2	6	15	18.00	ST	6-15M18.0	225.29
1099	120		2	20	20	13.08	ST	20-20M13.1	785.85
1100	120		2	8	15	11.75	ST	8-15M11.9	196.08
1101	120		2	3	15	3.92	HB	C-15M03.11 @18"	24.53
1102	120		2	32	15	14.75	ST	15M14.9 @12"	984.59
1103	120		2	10	15	15.42	ST	15M15.5 @12"	321.66
1104	120		2	22	15	29.50	ST	15M29.6 @10"	1353.81
1105	120		2	85	15	18.00	ST	15M18.0 @12"	3191.58
1106	120		2	10	15	21.33	ST	10-15M21.4	444.94
1107	120		2	36	15	11.75	ST	15M11.9 @12"	882.38
1108	120		2	35	15	12.50	ST	15M12.6 @12"	912.63
1109	120		2	16	20	13.08	ST	16-20M13.1	628.68
1110	120		2	20	15	5.92	HB	C15M05.11 @12"	246.98
1111	120		2	2	15	7.83	ST	2-15M07.10	32.67
1112	120		2	2	15	18.00	ST	2-15M018.0	75.10
1113	120		2	10	15	29.42	ST	10-15M29.5	613.70
1114	120		2	8	15	8.42	ST	8-C15M08.5	140.51
1115	120		2	8	15	4.93	ST	8-C15M04.11	82.27
1116	120		2	21	15	21.33	ST	15M21.4 @16"	934.38
1117	120		2	14	15	29.42	ST	14-15M29.5	859.18
1118	120		2	14	20	11.75	ST	14-20M11.9	494.16
1119	120		2	12	20	11.75	ST	12-20M11.9	423.56
1120	120		2	10	15	29.42	ST	10-15M29.5	613.70
1121	120		2	10	15	8.42	ST	8-C15M08.5	175.64
1122	120		2	10	15	4.93	ST	8-C15M04.11	102.84
1123	120		2	12	15	14.75	ST	12-15M14.9	369.22
1124	120		2	14	15	13.08	ST	14-15M13.1	381.99
1125	120		2	10	20	14.75	ST	10-20M14.9	443.09
1126	120		2	12	20	12.50	ST	12-20M12.6	450.60
1127	120		2	12	15	11.75	ST	12-15M11.9	294.13
1128	120		2	10	15	11.75	ST	10-15M11.9	245.11

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1129	120		2	20	15	15.42	ST	20-15M15.5	643.32
1130	120		2	6	15	19.67	ST	6-15M19.8	246.19
1131	120		2	6	15	18.00	ST	6-15M18.0	225.29
1132	120		2	20	20	13.08	ST	20-20M13.1	785.85
1133	120		2	8	15	11.75	ST	8-15M11.9	196.08
1134	120		2	3	15	3.92	HB	C-15M03.11 @18"	24.53
1135	120		2	32	15	14.75	ST	15M14.9 @12"	984.59
1136	120		2	10	15	15.42	ST	15M15.5 @12"	321.66
1137	120		2	22	15	29.50	ST	15M29.6 @10"	1353.81
1138	120	INTEGRITY BARS		36	15	29.50	ST	2-15M EW	1107.67
1139									
1140	119	LEVEL 29- REF: S-13							
1141	119	8" THK SLAB		380	15	29.50	SL	15M @18" BOT. EW	11692.03
1142	119	16" THK SLAB		180	15	29.50	SL	15M @9" BOT. EW	5538.33
1143	119			81	15	29.50	SL	15M @48" SUPT. BAR	2492.25
1144	119			560	10	4.33	LB	10M @48" STANDEE	1668.26
1145	119			42	15	29.50	SL	1-15M T&B	1292.28
1146	119			32	15	4.00	HB	15M COR.	133.50
1147	119			1380	10	2.33	LB	10M @9" HAIRPINS	2215.99
1148	119	REF: 9/S-4		185	15	5.17	HB	15M @18" Z BAR	997.58
1149	119			32	10	19.67	ST	10M @12" HORZ.	433.05
1150	119			20	10	4.00	LB	10M COR.	55.04
1151	119	PLAN ADDITIONALS		10	15	29.50	ST	10-15M29.6	307.69
1152	119			8	15	8.42	ST	8-C15M08.5	70.26
1153	119			8	15	4.92	HB	8-C15M04.11	41.05
1154	119			12	15	14.75	ST	12-15M14.9	184.61
1155	119			22	15	21.33	ST	15M21.4 @16"	489.44
1156	119			16	15	29.50	ST	16-15M29.6	492.30
1157	119			14	15	11.75	ST	14-15M11.9	171.57
1158	119			12	15	11.75	ST	12-15M11.9	147.06
1159	119			10	15	29.50	ST	10-15M29.6	307.69
1160	119			8	15	8.42	ST	8-C15M08.5	70.26
1161	119			12	15	14.75	ST	12-15M14.9	184.61
1162	119			10	15	15.42	ST	15M15.5 @12"	160.83
1163	119			20	15	15.42	ST	20-15M15.5	321.66
1164	119			6	15	19.67	ST	6-15M19.8	123.09
1165	119			20	15	13.08	ST	20-15M13.1	272.85
1166	119			6	15	18.00	ST	6-15M18.0	112.64
1167	119			6	20	12.60	ST	6-20M12.6	113.55
1168	119			20	15	13.08	ST	20-15M13.1	272.85
1169	119			12	15	14.75	ST	12-15M14.9	184.61
1170	119			18	15	11.75	ST	18-15M11.9	220.59
1171	119			33	15	14.75	ST	15M14.9 @12"	507.68
1172	119			4	15	3.92	HB	C-15M03.11 @18"	16.35
1173	119			12	15	11.75	ST	12-15M11.9	147.06
1174	119			12	15	14.75	ST	12-15M14.9	184.61
1175	119			14	15	11.75	ST	14-15M11.9	171.57

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1176	119			16	20	11.75	ST	16-20M11.9	282.38
1177	119			12	15	10.42	ST	12-15M10.5	130.42
1178	119			8	15	15.42	ST	15M15.5 @16"	128.66
1179	119			6	15	19.67	ST	6-15M19.8	123.09
1180	119			20	15	15.42	ST	20-15M15.5	321.66
1181	119			6	15	18.00	ST	6-15M18.0	112.64
1182	119			20	15	13.08	ST	20-15M13.1	272.85
1183	119			65	15	18.00	ST	15M18.0 @16"	1220.31
1184	119			65	15	18.00	ST	15M18.0 @16"	1220.31
1185	119			18	15	11.75	ST	18-20M11.9	220.59
1186	119			8	15	11.75	ST	8-15M11.9	98.04
1187	119			25	15	5.92	HB	C15M05.11 @12"	154.36
1188	119			2	15	7.83	ST	2-15M07.10	16.33
1189	119			2	15	18.00	ST	2-15M018.0	37.55
1190	119			20	15	11.75	ST	15M11.9 @12"	245.11
1191	119			12	20	24.58	ST	12-20M24.7	443.03
1192	119			14	15	11.75	ST	14-15M11.9	171.57
1193	119			16	25	13.75	ST	16-25M13.9	587.40
1194	119			10	15	29.50	ST	10-15M29.6	307.69
1195	119			8	15	8.42	ST	8-C15M08.5	70.26
1196	119			8	15	4.92	HB	8-C15M04.11	41.05
1197	119			12	15	14.75	ST	12-15M14.9	184.61
1198	119			22	15	21.33	ST	15M21.4 @16"	489.44
1199	119			14	15	29.50	ST	14-15M29.6	430.76
1200	119			18	15	11.75	ST	18-15M11.9	220.59
1201	119			14	15	11.75	ST	14-15M11.9	171.57
1202	119			10	15	29.50	ST	10-15M29.6	307.69
1203	119			8	15	8.42	ST	8-C15M08.5	70.26
1204	119			12	15	14.75	ST	12-15M14.9	184.61
1205	119			10	15	15.42	ST	15M15.5 @12"	160.83
1206	119			20	15	15.42	ST	20-15M15.5	321.66
1207	119			6	15	19.67	ST	6-15M19.8	123.09
1208	119			20	15	13.08	ST	20-15M13.1	272.85
1209	119			6	15	18.00	ST	6-15M18.0	112.64
1210	119			6	20	12.60	ST	6-20M12.6	113.55
1211	119			20	15	13.08	ST	20-15M13.1	272.85
1212	119			14	15	14.75	ST	14-15M14.9	215.38
1213	119			18	15	11.75	ST	18-15M11.9	220.59
1214	119			33	15	14.75	ST	15M14.9 @12"	507.68
1215	119			4	15	3.92	HB	C-15M03.11 @18"	16.35
1216	119			12	15	11.75	ST	12-15M11.9	147.06
1217	119			12	15	14.75	ST	12-15M14.9	184.61
1218	119			14	15	11.75	ST	14-15M11.9	171.57
1219	119			16	20	11.75	ST	16-20M11.9	282.38
1220	119			12	15	10.42	ST	12-15M10.5	130.42
1221	119			8	15	15.42	ST	15M15.5 @16"	128.66
1222	119			6	15	19.67	ST	6-15M19.8	123.09

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1223	119			20	15	15.42	ST	20-15M15.5	321.66
1224	119			6	15	18.00	ST	6-15M18.0	112.64
1225	119			20	15	13.08	ST	20-15M13.1	272.85
1226	119	INTEGRITY BARS		36	15	29.50	ST	2-15M EW	1107.67
1227									
1228	118	LEVEL 28- REF: S-13							
1229	118	8" THK SLAB		450	15	29.50	SL	15M @18" BOT. EW	13845.83
1230	118			81	15	29.50	SL	15M @48" SUPT. BAR	2492.25
1231	118			560	10	4.33	LB	10M @48" STANDEE	1668.26
1232	118			42	15	29.50	SL	1-15M T&B	1292.28
1233	118			32	15	4.00	HB	15M COR.	133.50
1234	118	PLAN ADDITIONALS		10	15	29.50	ST	10-15M29.6	307.69
1235	118			8	15	8.42	ST	8-C15M08.5	70.26
1236	118			8	15	4.92	HB	8-C15M04.11	41.05
1237	118			12	15	14.75	ST	12-15M14.9	184.61
1238	118			22	15	21.33	ST	15M21.4 @16"	489.44
1239	118			16	15	29.50	ST	16-15M29.6	492.30
1240	118			14	15	11.75	ST	14-15M11.9	171.57
1241	118			12	15	11.75	ST	12-15M11.9	147.06
1242	118			10	15	29.50	ST	10-15M29.6	307.69
1243	118			8	15	8.42	ST	8-C15M08.5	70.26
1244	118			8	15	4.92	HB	8-C15M04.11	41.05
1245	118			12	15	14.75	ST	12-15M14.9	184.61
1246	118			10	15	15.42	ST	15M15.5 @12"	160.83
1247	118			20	15	15.42	ST	20-15M15.5	321.66
1248	118			6	15	19.67	ST	6-15M19.8	123.09
1249	118			20	15	13.08	ST	20-15M13.1	272.85
1250	118			6	15	18.00	ST	6-15M18.0	112.64
1251	118			16	15	13.08	ST	16-15M13.1	218.28
1252	118			10	15	14.75	ST	10-15M14.9	153.84
1253	118			33	15	14.75	ST	15M14.9 @12"	507.68
1254	118			4	15	3.92	HB	C-15M03.11 @18"	16.35
1255	118			13	15	11.75	ST	15M11.9 @10"	159.32
1256	118			18	15	11.75	ST	18-15M11.9	220.59
1257	118			10	15	14.75	ST	10-15M14.9	153.84
1258	118			8	15	15.42	ST	15M15.5 @16"	128.66
1259	118			20	15	15.42	ST	20-15M15.5	321.66
1260	118			6	15	19.67	ST	6-15M19.8	123.09
1261	118			20	15	13.08	ST	20-15M13.1	272.85
1262	118			6	15	18.00	ST	6-15M18.0	112.64
1263	118			65	15	18.00	ST	15M18.0 @16"	1220.31
1264	118			65	15	18.00	ST	15M18.0 @16"	1220.31
1265	118			14	15	11.75	ST	14-15M11.9	171.57
1266	118			8	15	11.75	ST	8-15M11.9	98.04
1267	118			16	15	5.92	HB	C15M05.11 @12"	98.79
1268	118			2	15	7.83	ST	2-15M07.10	16.33
1269	118			2	15	18.00	ST	2-15M018.0	37.55

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1270	118			35	15	11.75	ST	15M11.9 @12"	428.93
1271	118			12	15	11.75	ST	12-15M11.9	147.06
1272	118			8	15	11.75	ST	8-15M11.9	98.04
1273	118			10	15	29.50	ST	10-15M29.6	307.69
1274	118			8	15	8.42	ST	8-C15M08.5	70.26
1275	118			8	15	4.92	HB	8-C15M04.11	41.05
1276	118			12	15	14.75	ST	12-15M14.9	184.61
1277	118			22	15	21.33	ST	15M21.4 @16"	489.44
1278	118			16	15	29.50	ST	16-15M29.6	492.30
1279	118			18	15	11.75	ST	18-15M11.9	220.59
1280	118			12	15	11.75	ST	12-15M11.9	147.06
1281	118			10	15	29.50	ST	10-15M29.6	307.69
1282	118			8	15	8.42	ST	8-C15M08.5	70.26
1283	118			8	15	4.92	HB	8-C15M04.11	41.05
1284	118			12	15	14.75	ST	12-15M14.9	184.61
1285	118			10	15	15.42	ST	15M15.5 @12"	160.83
1286	118			20	15	15.42	ST	20-15M15.5	321.66
1287	118			6	15	19.67	ST	6-15M19.8	123.09
1288	118			20	15	13.08	ST	20-15M13.1	272.85
1289	118			6	15	18.00	ST	6-15M18.0	112.64
1290	118			16	15	13.08	ST	16-15M13.1	218.28
1291	118			10	15	14.75	ST	10-15M14.9	153.84
1292	118			33	15	14.75	ST	15M14.9 @12"	507.68
1293	118			4	15	3.92	HB	C-15M03.11 @18"	16.35
1294	118			13	15	11.75	ST	15M11.9 @10"	159.32
1295	118			18	15	11.75	ST	18-15M11.9	220.59
1296	118			10	15	14.75	ST	10-15M14.9	153.84
1297	118			8	15	15.42	ST	15M15.5 @16"	128.66
1298	118			20	15	15.42	ST	20-15M15.5	321.66
1299	118			6	15	19.67	ST	6-15M19.8	123.09
1300	118			20	15	13.08	ST	20-15M13.1	272.85
1301	118			6	15	18.00	ST	6-15M18.0	112.64
1302	118	INTEGRITY BARS		32	15	29.50	ST	2-15M EW	984.59
1303									
1304	117	LEVEL 6-27- REF: S-12							
1305	117	8" THK SLAB	22	450	15	29.50	SL	15M @18" BOT. EW	304608.15
1306	117		22	81	15	29.50	SL	15M @48" SUPT. BAR	54829.47
1307	117		22	560	10	4.33	LB	10M @48" STANDEE	36701.77
1308	117		22	42	15	29.50	SL	1-15M T&B	28430.09
1309	117		22	32	15	4.00	HB	15M COR.	2937.09
1310	117	PLAN ADDITIONALS	22	10	15	29.50	ST	10-15M29.6	6769.07
1311	117		22	8	15	8.42	ST	8-C15M08.5	1545.64
1312	117		22	8	15	4.92	HB	8-C15M04.11	903.15
1313	117		22	12	15	14.75	ST	12-15M14.9	4061.44
1314	117		22	22	15	21.33	ST	15M21.4 @16"	10767.64
1315	117		22	16	15	29.50	ST	16-15M29.6	10830.51
1316	117		22	14	15	11.75	ST	14-15M11.9	3774.62

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1317	117		22	12	15	11.75	ST	12-15M11.9	3235.39
1318	117		22	10	15	29.50	ST	10-15M29.6	6769.07
1319	117		22	8	15	8.42	ST	8-C15M08.5	1545.64
1320	117		22	8	15	4.92	HB	8-C15M04.11	903.15
1321	117		22	12	15	14.75	ST	12-15M14.9	4061.44
1322	117		22	10	15	15.42	ST	15M15.5 @12"	3538.27
1323	117		22	20	15	15.42	ST	20-15M15.5	7076.55
1324	117		22	6	15	19.67	ST	6-15M19.8	2708.09
1325	117		22	20	15	13.08	ST	20-15M13.1	6002.67
1326	117		22	6	15	18.00	ST	6-15M18.0	2478.17
1327	117		22	16	15	13.08	ST	16-15M13.1	4802.14
1328	117		22	10	15	14.75	ST	10-15M14.9	3384.54
1329	117		22	33	15	14.75	ST	15M14.9 @12"	11168.97
1330	117		22	4	15	3.92	HB	C-15M03.11 @18"	359.79
1331	117		22	13	15	11.75	ST	15M11.9 @10"	3505.00
1332	117		22	18	15	11.75	ST	18-15M11.9	4853.08
1333	117		22	10	15	14.75	ST	10-15M14.9	3384.54
1334	117		22	8	15	15.42	ST	15M15.5 @16"	2830.62
1335	117		22	20	15	15.42	ST	20-15M15.5	7076.55
1336	117		22	6	15	19.67	ST	6-15M19.8	2708.09
1337	117		22	20	15	13.08	ST	20-15M13.1	6002.67
1338	117		22	6	15	18.00	ST	6-15M18.0	2478.17
1339	117		22	65	15	18.00	ST	15M18.0 @16"	26846.82
1340	117		22	65	15	18.00	ST	15M18.0 @16"	26846.82
1341	117		22	14	15	11.75	ST	14-15M11.9	3774.62
1342	117		22	8	15	11.75	ST	8-15M11.9	2156.92
1343	117		22	16	15	5.92	HB	C15M05.11 @12"	2173.45
1344	117		22	2	15	7.83	ST	2-15M07.10	359.33
1345	117		22	2	15	18.00	ST	2-15M018.0	826.06
1346	117		22	35	15	11.75	ST	15M11.9 @12"	9436.54
1347	117		22	12	15	11.75	ST	12-15M11.9	3235.39
1348	117		22	8	15	11.75	ST	8-15M11.9	2156.92
1349	117		22	10	15	29.50	ST	10-15M29.6	6769.07
1350	117		22	8	15	8.42	ST	8-C15M08.5	1545.64
1351	117		22	8	15	4.92	HB	8-C15M04.11	903.15
1352	117		22	12	15	14.75	ST	12-15M14.9	4061.44
1353	117		22	22	15	21.33	ST	15M21.4 @16"	10767.64
1354	117		22	16	15	29.50	ST	16-15M29.6	10830.51
1355	117		22	18	15	11.75	ST	18-15M11.9	4853.08
1356	117		22	12	15	11.75	ST	12-15M11.9	3235.39
1357	117		22	10	15	29.50	ST	10-15M29.6	6769.07
1358	117		22	8	15	8.42	ST	8-C15M08.5	1545.64
1359	117		22	8	15	4.92	HB	8-C15M04.11	903.15
1360	117		22	12	15	14.75	ST	12-15M14.9	4061.44
1361	117		22	10	15	15.42	ST	15M15.5 @12"	3538.27
1362	117		22	20	15	15.42	ST	20-15M15.5	7076.55
1363	117		22	6	15	19.67	ST	6-15M19.8	2708.09

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1364	117		22	20	15	13.08	ST	20-15M13.1	6002.67
1365	117		22	6	15	18.00	ST	6-15M18.0	2478.17
1366	117		22	16	15	13.08	ST	16-15M13.1	4802.14
1367	117		22	10	15	14.75	ST	10-15M14.9	3384.54
1368	117		22	33	15	14.75	ST	15M14.9 @12"	11168.97
1369	117		22	4	15	3.92	HB	C-15M03.11 @18"	359.79
1370	117		22	13	15	11.75	ST	15M11.9 @10"	3505.00
1371	117		22	18	15	11.75	ST	18-15M11.9	4853.08
1372	117		22	10	15	14.75	ST	10-15M14.9	3384.54
1373	117		22	8	15	15.42	ST	15M15.5 @16"	2830.62
1374	117		22	20	15	15.42	ST	20-15M15.5	7076.55
1375	117		22	6	15	19.67	ST	6-15M19.8	2708.09
1376	117		22	20	15	13.08	ST	20-15M13.1	6002.67
1377	117		22	6	15	18.00	ST	6-15M18.0	2478.17
1378	117	INTEGRITY BARS	22	32	15	29.50	ST	2-15M EW	21661.02
1379									
1380	116	LEVEL 5 - REF: S-11							
1381	116	8" THK SLAB		450	15	29.50	SL	15M @18" BOT. EW	13845.83
1382	116			81	15	29.50	SL	15M @48" SUPT. BAR	2492.25
1383	116			560	10	4.33	LB	10M @48" STANDEE	1668.26
1384	116			42	15	29.50	SL	1-15M T&B	1292.28
1385	116			32	15	4.00	HB	15M COR.	133.50
1386	116	PLAN ADDITIONALS		10	15	29.50	ST	10-15M29.6	307.69
1387	116			8	15	8.42	ST	8-C15M08.5	70.26
1388	116			8	15	4.92	HB	8-C15M04.11	41.05
1389	116			12	15	14.75	ST	12-15M14.9	184.61
1390	116			22	15	21.33	ST	15M21.4 @16"	489.44
1391	116			16	15	29.50	ST	16-15M29.6	492.30
1392	116			14	15	11.75	ST	14-15M11.9	171.57
1393	116			12	15	11.75	ST	12-15M11.9	147.06
1394	116			10	15	29.50	ST	10-15M29.6	307.69
1395	116			8	15	8.42	ST	8-C15M08.5	70.26
1396	116			8	15	4.92	HB	8-C15M04.11	41.05
1397	116			12	15	14.75	ST	12-15M14.9	184.61
1398	116			10	15	15.42	ST	15M15.5 @12"	160.83
1399	116			20	15	15.42	ST	20-15M15.5	321.66
1400	116			6	15	19.67	ST	6-15M19.8	123.09
1401	116			20	15	13.08	ST	20-15M13.1	272.85
1402	116			6	15	18.00	ST	6-15M18.0	112.64
1403	116			16	15	13.08	ST	16-15M13.1	218.28
1404	116			10	15	14.75	ST	10-15M14.9	153.84
1405	116			33	15	14.75	ST	15M14.9 @12"	507.68
1406	116			4	15	3.92	HB	C-15M03.11 @18"	16.35
1407	116			13	15	11.75	ST	15M11.9 @10"	159.32
1408	116			18	15	11.75	ST	18-15M11.9	220.59
1409	116			10	15	14.75	ST	10-15M14.9	153.84
1410	116			8	15	15.42	ST	15M15.5 @16"	128.66

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1411	116			20	15	15.42	ST	20-15M15.5	321.66
1412	116			6	15	19.67	ST	6-15M19.8	123.09
1413	116			20	15	13.08	ST	20-15M13.1	272.85
1414	116			6	15	18.00	ST	6-15M18.0	112.64
1415	116			65	15	18.00	ST	15M18.0 @16"	1220.31
1416	116			65	15	18.00	ST	15M18.0 @16"	1220.31
1417	116			14	15	11.75	ST	14-15M11.9	171.57
1418	116			8	15	11.75	ST	8-15M11.9	98.04
1419	116			16	15	5.92	HB	C15M05.11 @12"	98.79
1420	116			2	15	7.83	ST	2-15M07.10	16.33
1421	116			2	15	18.00	ST	2-15M018.0	37.55
1422	116			35	15	11.75	ST	15M11.9 @12"	428.93
1423	116			12	15	11.75	ST	12-15M11.9	147.06
1424	116			8	15	11.75	ST	8-15M11.9	98.04
1425	116			10	15	29.50	ST	10-15M29.6	307.69
1426	116			8	15	8.42	ST	8-C15M08.5	70.26
1427	116			8	15	4.92	HB	8-C15M04.11	41.05
1428	116			12	15	14.75	ST	12-15M14.9	184.61
1429	116			22	15	21.33	ST	15M21.4 @16"	489.44
1430	116			16	15	29.50	ST	16-15M29.6	492.30
1431	116			18	15	11.75	ST	18-15M11.9	220.59
1432	116			12	15	11.75	ST	12-15M11.9	147.06
1433	116			10	15	29.50	ST	10-15M29.6	307.69
1434	116			8	15	8.42	ST	8-C15M08.5	70.26
1435	116			8	15	4.92	HB	8-C15M04.11	41.05
1436	116			12	15	14.75	ST	12-15M14.9	184.61
1437	116			10	15	15.42	ST	15M15.5 @12"	160.83
1438	116			20	15	15.42	ST	20-15M15.5	321.66
1439	116			6	15	19.67	ST	6-15M19.8	123.09
1440	116			20	15	13.08	ST	20-15M13.1	272.85
1441	116			6	15	18.00	ST	6-15M18.0	112.64
1442	116			16	15	13.08	ST	16-15M13.1	218.28
1443	116			10	15	14.75	ST	10-15M14.9	153.84
1444	116			33	15	14.75	ST	15M14.9 @12"	507.68
1445	116			4	15	3.92	HB	C-15M03.11 @18"	16.35
1446	116			13	15	11.75	ST	15M11.9 @10"	159.32
1447	116			18	15	11.75	ST	18-15M11.9	220.59
1448	116			10	15	14.75	ST	10-15M14.9	153.84
1449	116			8	15	15.42	ST	15M15.5 @16"	128.66
1450	116			20	15	15.42	ST	20-15M15.5	321.66
1451	116			6	15	19.67	ST	6-15M19.8	123.09
1452	116			20	15	13.08	ST	20-15M13.1	272.85
1453	116			6	15	18.00	ST	6-15M18.0	112.64
1454	116	INTEGRITY BARS		32	15	29.50	ST	2-15M EW	984.59
1455	116	6" THICK SLAB		12	10	19.00	ST	10M @12" BOT. LW	156.86
1456	116			20	10	10.50	ST	10M @12" BOT. SW	144.48
1457	116			45	15	3.92	HB	C15M03.11 @16"	183.99

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1458									
1459	224	LOT B							
1460	224	ROOF LEVEL - REF: S-15							
1461	224	9" THK SLAB		68	15	29.50	SL	15M @16" BOT. EW	2092.26
1462	224			10	15	29.50	SL	15M @48" SUPT. BAR	307.69
1463	224			65	10	13.67	LB	10M @48" STANDEE	611.32
1464									
1465	223	LEVEL 28 - REF: S-15							
1466	223	9" THK SLAB		120	15	29.50	SL	15M @17" BOT. EW	3692.22
1467	223			25	15	29.50	SL	15M @48" SUPT. BAR	769.21
1468	223			175	10	13.67	LB	10M @48" STANDEE	1645.87
1469	223			18	15	29.50	SL	1-15M T&B	553.83
1470	223			12	15	4.00	HB	15M COR.	50.06
1471	223	PLAN ADDITIONALS		25	15	3.92	HB	C15M03.11 @18"	102.21
1472	223			35	15	4.92	HB	C15M04.11 @18"	179.60
1473	223			10	15	4.92	HB	10-C15M04.11	51.32
1474	223			10	15	4.92	HB	10-C15M04.11	51.32
1475	223			8	15	9.00	ST	8-15M09.0	75.10
1476	223			8	15	23.00	HB	8-C15M23.0	191.91
1477	223			8	15	23.00	HB	8-C15M23.0	191.91
1478	223			8	15	8.42	HB	8-C15M08.5	70.26
1479	223			8	15	8.42	HB	8-C15M08.5	70.26
1480	223			6	15	11.75	ST	6-15M11.9	73.53
1481	223			5	15	6.50	HB	5-C15M06.6	33.90
1482	223			5	15	6.50	HB	5-C15M06.6	33.90
1483	223			14	15	14.75	ST	14-15M14.9	215.38
1484	223			14	20	11.75	ST	14-20M11.9	247.08
1485	223			8	20	14.75	ST	8-20M14.9	177.24
1486	223			26	20	14.75	ST	20M14.9 @12"	576.02
1487	223			3	15	12.50	ST	3-15M12.6	39.11
1488	223			20	15	6.50	ST	15M06.6 @16"	135.59
1489	223			5	15	8.42	ST	15M08.5 @12"	43.91
1490	223			2	15	7.83	ST	2-15M07.10	16.33
1491	223			22	15	6.92	HB	15M @12'	158.71
1492	223	INTEGRITY BARS		8	15	29.50	ST	2-15M EW	246.15
1493									
1494	222	LEVEL 27 - REF: S-15							
1495	222	9" THK SLAB		285	15	29.50	SL	15M @17" BOT. EW	8769.02
1496	222			56	15	29.50	SL	15M @48" SUPT. BAR	1723.04
1497	222			380	10	13.67	LB	10M @48" STANDEE	3573.88
1498	222			30	15	29.50	SL	1-15M T&B	923.06
1499	222			24	15	4.00	HB	15M COR.	100.13
1500	222	PLAN ADDITIONALS		10	15	29.42	ST	10-15M29.5	306.85
1501	222			10	15	8.42	ST	10-C15M08.5	87.82
1502	222			10	15	4.93	ST	10-C15M04.11	51.42
1503	222			22	15	21.33	ST	15M21.4 @16"	489.44
1504	222			16	15	29.42	ST	16-15M29.5	490.96

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1505	222			12	20	11.75	ST	12-20M11.9	211.78
1506	222			12	20	11.75	ST	12-20M11.9	211.78
1507	222			10	15	29.42	ST	10-15M29.5	306.85
1508	222			10	15	8.42	ST	10-C15M08.5	87.82
1509	222			10	15	4.93	ST	10-C15M04.11	51.42
1510	222			8	20	18.00	ST	8-20M18.0	216.29
1511	222			8	20	14.75	ST	28-20M14.9	177.24
1512	222			3	15	3.92	HB	C-15M03.11 @18"	12.27
1513	222			10	15	14.75	ST	15M14.9 @10"	153.84
1514	222			8	15	11.75	ST	8-15M11.9	98.04
1515	222			36	15	11.75	ST	15M11.9 @12"	441.19
1516	222			34	15	11.75	ST	34-15M11.9 @12"	416.68
1517	222			8	15	12.50	HB	8-C15M12.6	104.30
1518	222			6	15	8.42	HB	6-C15M08.5	52.69
1519	222			8	15	10.42	ST	8-15M10.5	86.94
1520	222			8	15	7.33	HB	8-C15M07.4	61.16
1521	222			8	15	12.50	HB	8-C15M12.6	104.30
1522	222			6	15	8.42	HB	6-C15M08.5	52.69
1523	222			8	15	7.33	HB	8-C15M7.4	61.16
1524	222			6	15	8.42	HB	6-C15M08.5	52.69
1525	222			8	15	10.42	ST	8-15M10.5	86.94
1526	222			8	15	7.33	HB	8-C15M07.4	61.16
1527	222			8	15	7.33	HB	8-C15M7.4	61.16
1528	222			6	15	8.42	HB	6-C15M08.5	52.69
1529	222			8	20	18.00	ST	8-20M18.0	216.29
1530	222			8	20	14.75	ST	28-20M14.9	177.24
1531	222			3	15	3.92	HB	C-15M03.11 @18"	12.27
1532	222			10	15	14.75	ST	15M14.9 @10"	153.84
1533	222			8	15	11.75	ST	8-15M11.9	98.04
1534	222			10	15	29.42	ST	10-15M29.5	306.85
1535	222			12	15	8.42	ST	12-C15M08.5	105.38
1536	222			14	15	4.93	ST	14-C15M04.11	71.99
1537	222			28	15	21.33	ST	15M21.4 @12"	622.92
1538	222			14	20	29.42	ST	14-20M29.5	618.64
1539	222			14	20	11.75	ST	14-20M11.9	247.08
1540	222			16	20	11.75	ST	16-20M11.9	282.38
1541	222			10	15	29.42	ST	10-15M29.5	306.85
1542	222			12	15	8.42	ST	12-C15M08.5	105.38
1543	222			14	15	4.93	ST	14-C15M04.11	71.99
1544	222			2	15	7.83	ST	2-15M07.10	16.33
1545	222			26	15	14.75	ST	15M14.9 @17"	399.99
1546	222	INTEGRITY BARS		22	15	29.50	ST	2-15M EW	676.91
1547									
1548	221	LEVEL 26 - REF: S-14							
1549	221	12" THK SLAB		560	15	29.50	SL	15M @12" BOT. EW	17230.36
1550	221			69	15	29.50	SL	15M @48" SUPT. BAR	2123.03
1551	221			475	10	5.00	LB	10M @48" STANDEE	1635.31

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1552	221			36	15	29.50	SL	1-15M T&B	1107.67
1553	221			24	15	4.00	HB	15M COR.	100.13
1554	221	PLAN ADDITIONALS		10	15	29.42	ST	10-15M29.5	306.85
1555	221			8	15	8.42	ST	8-C15M08.5	70.26
1556	221			8	15	4.93	ST	8-C15M04.11	41.14
1557	221			28	15	21.33	ST	15M21.4 @12"	622.92
1558	221			14	15	29.42	ST	14-15M29.5	429.59
1559	221			14	20	11.75	ST	14-20M11.9	247.08
1560	221			12	20	11.75	ST	12-20M11.9	211.78
1561	221			10	15	29.42	ST	10-15M29.5	306.85
1562	221			10	15	8.42	ST	8-C15M08.5	87.82
1563	221			10	15	4.93	ST	8-C15M04.11	51.42
1564	221			12	15	14.75	ST	12-15M14.9	184.61
1565	221			12	15	13.75	ST	12-15M13.9	172.10
1566	221			12	15	12.50	ST	12-15M12.6	156.45
1567	221			14	15	12.50	ST	14-15M12.6	182.53
1568	221			12	15	11.75	ST	12-15M11.9	147.06
1569	221			10	15	11.75	ST	10-15M11.9	122.55
1570	221			12	15	15.42	ST	12-15M15.5	193.00
1571	221			6	15	19.67	ST	6-15M19.8	123.09
1572	221			6	15	18.00	ST	6-15M18.0	112.64
1573	221			6	15	18.00	ST	6-15M18.0	112.64
1574	221			14	15	21.33	ST	14-15M21.4	311.46
1575	221			8	15	9.00	ST	8-15M09.0	75.10
1576	221			3	15	3.92	HB	C-15M03.11 @18"	12.27
1577	221			32	15	14.75	ST	15M14.9 @12"	492.30
1578	221			10	15	15.42	ST	15M15.5 @12"	160.83
1579	221			22	15	29.50	ST	15M29.6 @10"	676.91
1580	221			85	15	18.00	ST	15M18.0 @12"	1595.79
1581	221			12	15	21.33	ST	12-15M21.4	266.97
1582	221			36	15	11.75	ST	15M11.9 @12"	441.19
1583	221			35	15	12.50	ST	15M12.6 @12"	456.31
1584	221			12	15	11.75	ST	12-15M11.9	147.06
1585	221			20	15	5.92	HB	C15M05.11 @12"	123.49
1586	221			2	15	7.83	ST	2-15M07.10	16.33
1587	221			2	15	18.00	ST	2-15M018.0	37.55
1588	221			10	15	29.42	ST	10-15M29.5	306.85
1589	221			8	15	8.42	ST	8-C15M08.5	70.26
1590	221			8	15	4.93	ST	8-C15M04.11	41.14
1591	221			28	15	21.33	ST	15M21.4 @12"	622.92
1592	221			14	15	29.42	ST	14-15M29.5	429.59
1593	221			14	20	11.75	ST	18-20M11.9	247.08
1594	221			12	20	11.75	ST	12-20M11.9	211.78
1595	221			10	15	29.42	ST	10-15M29.5	306.85
1596	221			10	15	8.42	ST	8-C15M08.5	87.82
1597	221			10	15	4.93	ST	8-C15M04.11	51.42
1598	221			12	15	14.75	ST	12-15M14.9	184.61

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1599	221			12	15	13.75	ST	12-15M13.9	172.10
1600	221			12	15	12.50	ST	12-15M12.6	156.45
1601	221			14	15	12.50	ST	14-15M12.6	182.53
1602	221			12	15	11.75	ST	12-15M11.9	147.06
1603	221			10	15	11.75	ST	10-15M11.9	122.55
1604	221			12	15	15.42	ST	12-15M15.5	193.00
1605	221			6	15	19.67	ST	6-15M19.8	123.09
1606	221			6	15	18.00	ST	6-15M18.0	112.64
1607	221			6	15	18.00	ST	6-15M18.0	112.64
1608	221			14	15	21.33	ST	14-15M21.4	311.46
1609	221			8	15	9.00	ST	8-15M09.0	75.10
1610	221			3	15	3.92	HB	C-15M03.11 @18"	12.27
1611	221			32	15	14.75	ST	15M14.9 @12"	492.30
1612	221			10	15	15.42	ST	15M15.5 @12"	160.83
1613	221			22	15	29.50	ST	15M29.6 @10"	676.91
1614	221	ST1		80	15	3.83	LB	15M @5" STPS	319.41
1615	221			40	15	14.50	LB	15M @5" STPS	605.02
1616	221	ST2		120	15	3.83	LB	15M @5" STPS	479.11
1617	221	ST3		80	15	3.83	LB	15M @5" STPS	319.41
1618	221			80	15	11.67	LB	15M @5" STPS	973.58
1619	221	ST4		40	15	3.83	LB	15M @5" STPS	159.70
1620	221			40	15	14.50	LB	15M @5" STPS	605.02
1621	221	INTEGRITY BARS		36	15	29.50	ST	2-15M EW	1107.67
1622									
1623	220	LEVEL 24 & 25- REF: S-14							
1624	220	8" THK SLAB	2	380	15	29.50	SL	15M @12" BOT. EW	23384.06
1625	220		2	69	15	29.50	SL	15M @48" SUPT. BAR	4246.05
1626	220		2	475	10	4.33	LB	10M @48" STANDEE	2830.09
1627	220		2	36	15	29.50	SL	1-15M T&B	2215.33
1628	220		2	24	15	4.00	HB	15M COR.	200.26
1629	220	PLAN ADDITIONALS	2	10	15	29.42	ST	10-15M29.5	613.70
1630	220		2	8	15	8.42	ST	8-C15M08.5	140.51
1631	220		2	8	15	4.93	ST	8-C15M04.11	82.27
1632	220		2	21	15	21.33	ST	15M21.4 @16"	934.38
1633	220		2	14	15	29.42	ST	14-15M29.5	859.18
1634	220		2	14	20	11.75	ST	14-20M11.9	494.16
1635	220		2	12	20	11.75	ST	12-20M11.9	423.56
1636	220		2	10	15	29.42	ST	10-15M29.5	613.70
1637	220		2	10	15	8.42	ST	8-C15M08.5	175.64
1638	220		2	10	15	4.93	ST	8-C15M04.11	102.84
1639	220		2	12	15	14.75	ST	12-15M14.9	369.22
1640	220		2	14	15	13.08	ST	14-15M13.1	381.99
1641	220		2	10	20	14.75	ST	10-20M14.9	443.09
1642	220		2	12	20	12.50	ST	12-20M12.6	450.60
1643	220		2	12	15	11.75	ST	12-15M11.9	294.13
1644	220		2	10	15	11.75	ST	10-15M11.9	245.11
1645	220		2	20	15	15.42	ST	20-15M15.5	643.32

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1646	220		2	6	15	18.00	ST	6-15M18.0	225.29
1647	220		2	6	15	18.00	ST	6-15M18.0	225.29
1648	220		2	6	15	18.00	ST	6-15M18.0	225.29
1649	220		2	14	15	21.33	ST	14-15M21.4	622.92
1650	220		2	8	15	9.83	ST	8-15M09.10	164.04
1651	220		2	10	15	14.75	ST	10-15M14.9	307.69
1652	220		2	3	15	3.92	HB	C-15M03.11 @18"	24.53
1653	220		2	32	15	14.75	ST	15M14.9 @12"	984.59
1654	220		2	10	15	15.42	ST	15M15.5 @12"	321.66
1655	220		2	22	15	29.50	ST	15M29.6 @10"	1353.81
1656	220		2	85	15	18.00	ST	15M18.0 @12"	3191.58
1657	220		2	36	15	11.75	ST	15M11.9 @12"	882.38
1658	220		2	35	15	12.50	ST	15M12.6 @12"	912.63
1659	220		2	16	20	13.08	ST	16-20M13.1	628.68
1660	220		2	20	15	5.92	HB	C15M05.11 @12"	246.98
1661	220		2	2	15	7.83	ST	2-15M07.10	32.67
1662	220		2	2	15	18.00	ST	2-15M018.0	75.10
1663	220		2	10	15	29.42	ST	10-15M29.5	613.70
1664	220		2	8	15	8.42	ST	8-C15M08.5	140.51
1665	220		2	8	15	4.93	ST	8-C15M04.11	82.27
1666	220		2	21	15	21.33	ST	15M21.4 @16"	934.38
1667	220		2	14	15	29.42	ST	14-15M29.5	859.18
1668	220		2	14	20	11.75	ST	14-20M11.9	494.16
1669	220		2	12	20	11.75	ST	12-20M11.9	423.56
1670	220		2	10	15	29.42	ST	10-15M29.5	613.70
1671	220		2	10	15	8.42	ST	8-C15M08.5	175.64
1672	220		2	10	15	4.93	ST	8-C15M04.11	102.84
1673	220		2	12	15	14.75	ST	12-15M14.9	369.22
1674	220		2	14	15	13.08	ST	14-15M13.1	381.99
1675	220		2	10	20	14.75	ST	10-20M14.9	443.09
1676	220		2	12	20	12.50	ST	12-20M12.6	450.60
1677	220		2	12	15	11.75	ST	12-15M11.9	294.13
1678	220		2	10	15	11.75	ST	10-15M11.9	245.11
1679	220		2	20	15	15.42	ST	20-15M15.5	643.32
1680	220		2	6	15	18.00	ST	6-15M18.0	225.29
1681	220		2	6	15	18.00	ST	6-15M18.0	225.29
1682	220		2	6	15	18.00	ST	6-15M18.0	225.29
1683	220		2	14	15	21.33	ST	14-15M21.4	622.92
1684	220		2	8	15	9.83	ST	8-15M09.10	164.04
1685	220		2	10	15	12.50	ST	10-15M12.6	260.75
1686	220		2	3	15	3.92	HB	C-15M03.11 @18"	24.53
1687	220		2	32	15	14.75	ST	15M14.9 @12"	984.59
1688	220		2	10	15	15.42	ST	15M15.5 @12"	321.66
1689	220		2	22	15	29.50	ST	15M29.6 @10"	1353.81
1690	220	INTEGRITY BARS		36	15	29.50	ST	2-15M EW	1107.67
1691									
1692	219	LEVEL 23- REF: S-13							

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1693	219	8" THK SLAB		380	15	29.50	SL	15M @18" BOT. EW	11692.03
1694	219	16" THK SLAB		180	15	29.50	SL	15M @9" BOT. EW	5538.33
1695	219			81	15	29.50	SL	15M @48" SUPT. BAR	2492.25
1696	219			560	10	4.33	LB	10M @48" STANDEE	1668.26
1697	219			42	15	29.50	SL	1-15M T&B	1292.28
1698	219			32	15	4.00	HB	15M COR.	133.50
1699	219			1380	10	2.33	LB	10M @9" HAIRPINS	2215.99
1700	219	REF: 9/S-4		185	15	5.17	HB	15M @18" Z BAR	997.58
1701	219			32	10	19.67	ST	10M @12" HORZ.	433.05
1702	219			20	10	4.00	LB	10M COR.	55.04
1703	219	PLAN ADDITIONALS		10	15	29.50	ST	10-15M29.6	307.69
1704	219			8	15	8.42	ST	8-C15M08.5	70.26
1705	219			8	15	4.92	HB	8-C15M04.11	41.05
1706	219			12	15	14.75	ST	12-15M14.9	184.61
1707	219			22	15	21.33	ST	15M21.4 @16"	489.44
1708	219			16	15	29.50	ST	16-15M29.6	492.30
1709	219			14	15	11.75	ST	14-15M11.9	171.57
1710	219			12	15	11.75	ST	12-15M11.9	147.06
1711	219			10	15	29.50	ST	10-15M29.6	307.69
1712	219			8	15	8.42	ST	8-C15M08.5	70.26
1713	219			12	15	14.75	ST	12-15M14.9	184.61
1714	219			10	15	15.42	ST	15M15.5 @12"	160.83
1715	219			20	15	15.42	ST	20-15M15.5	321.66
1716	219			6	15	19.67	ST	6-15M19.8	123.09
1717	219			18	25	13.08	ST	18-25M13.1	628.62
1718	219			6	20	18.00	ST	6-20M18.0	162.22
1719	219			6	20	11.75	ST	6-20M11.9	105.89
1720	219			10	20	9.83	ST	10-20M09.10	147.65
1721	219			20	15	13.08	ST	20-15M13.1	272.85
1722	219			12	15	14.75	ST	12-15M14.9	184.61
1723	219			14	15	11.75	ST	14-15M11.9	171.57
1724	219			33	15	14.75	ST	15M14.9 @12"	507.68
1725	219			4	15	3.92	HB	C-15M03.11 @18"	16.35
1726	219			12	15	11.75	ST	12-15M11.9	147.06
1727	219			12	15	14.75	ST	12-15M14.9	184.61
1728	219			14	15	11.75	ST	14-15M11.9	171.57
1729	219			16	20	11.75	ST	16-20M11.9	282.38
1730	219			12	15	10.42	ST	12-15M10.5	130.42
1731	219			8	15	15.42	ST	15M15.5 @16"	128.66
1732	219			6	15	19.67	ST	6-15M19.8	123.09
1733	219			20	15	15.42	ST	20-15M15.5	321.66
1734	219			6	15	18.00	ST	6-15M18.0	112.64
1735	219			20	15	13.08	ST	20-15M13.1	272.85
1736	219			65	15	18.00	ST	15M18.0 @16"	1220.31
1737	219			65	15	18.00	ST	15M18.0 @16"	1220.31
1738	219			18	15	11.75	ST	18-20M11.9	220.59
1739	219			8	15	11.75	ST	8-15M11.9	98.04

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1740	219			25	15	5.92	HB	C15M05.11 @12"	154.36
1741	219			2	15	7.83	ST	2-15M07.10	16.33
1742	219			2	15	18.00	ST	2-15M018.0	37.55
1743	219			20	15	11.75	ST	15M11.9 @12"	245.11
1744	219			14	25	11.75	ST	14-25M11.9	439.22
1745	219			20	25	13.75	ST	20-25M13.9	734.25
1746	219			10	15	29.50	ST	10-15M29.6	307.69
1747	219			8	15	8.42	ST	8-C15M08.5	70.26
1748	219			8	15	4.92	HB	8-C15M04.11	41.05
1749	219			12	15	14.75	ST	12-15M14.9	184.61
1750	219			22	15	21.33	ST	15M21.4 @16"	489.44
1751	219			14	15	29.50	ST	14-15M29.6	430.76
1752	219			18	15	11.75	ST	18-15M11.9	220.59
1753	219			14	15	11.75	ST	14-15M11.9	171.57
1754	219			10	15	29.50	ST	10-15M29.6	307.69
1755	219			8	15	8.42	ST	8-C15M08.5	70.26
1756	219			12	15	14.75	ST	12-15M14.9	184.61
1757	219			10	15	15.42	ST	15M15.5 @12"	160.83
1758	219			20	15	15.42	ST	20-15M15.5	321.66
1759	219			6	15	19.67	ST	6-15M19.8	123.09
1760	219			18	25	13.08	ST	18-25M13.1	628.62
1761	219			6	20	18.00	ST	6-20M18.0	162.22
1762	219			6	20	11.75	ST	6-20M11.9	105.89
1763	219			10	20	9.83	ST	10-20M09.10	147.65
1764	219			20	15	13.08	ST	20-15M13.1	272.85
1765	219			14	15	14.75	ST	14-15M14.9	215.38
1766	219			14	15	11.75	ST	14-15M11.9	171.57
1767	219			33	15	14.75	ST	15M14.9 @12"	507.68
1768	219			4	15	3.92	HB	C-15M03.11 @18"	16.35
1769	219			12	15	11.75	ST	12-15M11.9	147.06
1770	219			12	15	14.75	ST	12-15M14.9	184.61
1771	219			14	15	11.75	ST	14-15M11.9	171.57
1772	219			16	20	11.75	ST	16-20M11.9	282.38
1773	219			12	15	10.42	ST	12-15M10.5	130.42
1774	219			8	15	15.42	ST	15M15.5 @16"	128.66
1775	219			6	15	19.67	ST	6-15M19.8	123.09
1776	219			20	15	15.42	ST	20-15M15.5	321.66
1777	219			6	15	18.00	ST	6-15M18.0	112.64
1778	219			20	15	13.08	ST	20-15M13.1	272.85
1779	219	INTEGRITY BARS		36	15	29.50	ST	2-15M EW	1107.67
1780									
1781	218	LEVEL 22- REF: S-13							
1782	218	8" THK SLAB		450	15	29.50	SL	15M @18" BOT. EW	13845.83
1783	218			81	15	29.50	SL	15M @48" SUPT. BAR	2492.25
1784	218			560	10	4.33	LB	10M @48" STANDEE	1668.26
1785	218			42	15	29.50	SL	1-15M T&B	1292.28
1786	218			32	15	4.00	HB	15M COR.	133.50

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1787	218	PLAN ADDITIONALS		10	15	29.50	ST	10-15M29.6	307.69
1788	218			8	15	8.42	ST	8-C15M08.5	70.26
1789	218			8	15	4.92	HB	8-C15M04.11	41.05
1790	218			12	15	14.75	ST	12-15M14.9	184.61
1791	218			22	15	21.33	ST	15M21.4 @16"	489.44
1792	218			16	15	29.50	ST	16-15M29.6	492.30
1793	218			14	15	11.75	ST	14-15M11.9	171.57
1794	218			12	15	11.75	ST	12-15M11.9	147.06
1795	218			10	15	29.50	ST	10-15M29.6	307.69
1796	218			8	15	8.42	ST	8-C15M08.5	70.26
1797	218			8	15	4.92	HB	8-C15M04.11	41.05
1798	218			12	15	14.75	ST	12-15M14.9	184.61
1799	218			10	15	15.42	ST	15M15.5 @12"	160.83
1800	218			20	15	15.42	ST	20-15M15.5	321.66
1801	218			6	15	19.67	ST	6-15M19.8	123.09
1802	218			20	15	13.08	ST	20-15M13.1	272.85
1803	218			6	15	18.00	ST	6-15M18.0	112.64
1804	218			16	15	13.08	ST	16-15M13.1	218.28
1805	218			10	15	14.75	ST	10-15M14.9	153.84
1806	218			33	15	14.75	ST	15M14.9 @12"	507.68
1807	218			4	15	3.92	HB	C-15M03.11 @18"	16.35
1808	218			13	15	11.75	ST	15M11.9 @10"	159.32
1809	218			18	15	11.75	ST	18-15M11.9	220.59
1810	218			10	15	14.75	ST	10-15M14.9	153.84
1811	218			8	15	15.42	ST	15M15.5 @16"	128.66
1812	218			20	15	15.42	ST	20-15M15.5	321.66
1813	218			6	15	19.67	ST	6-15M19.8	123.09
1814	218			20	15	13.08	ST	20-15M13.1	272.85
1815	218			6	15	18.00	ST	6-15M18.0	112.64
1816	218			65	15	18.00	ST	15M18.0 @16"	1220.31
1817	218			65	15	18.00	ST	15M18.0 @16"	1220.31
1818	218			14	15	11.75	ST	14-15M11.9	171.57
1819	218			8	15	11.75	ST	8-15M11.9	98.04
1820	218			16	15	5.92	HB	C15M05.11 @12"	98.79
1821	218			2	15	7.83	ST	2-15M07.10	16.33
1822	218			2	15	18.00	ST	2-15M018.0	37.55
1823	218			35	15	11.75	ST	15M11.9 @12"	428.93
1824	218			12	15	11.75	ST	12-15M11.9	147.06
1825	218			8	15	11.75	ST	8-15M11.9	98.04
1826	218			10	15	29.50	ST	10-15M29.6	307.69
1827	218			8	15	8.42	ST	8-C15M08.5	70.26
1828	218			8	15	4.92	HB	8-C15M04.11	41.05
1829	218			12	15	14.75	ST	12-15M14.9	184.61
1830	218			22	15	21.33	ST	15M21.4 @16"	489.44
1831	218			16	15	29.50	ST	16-15M29.6	492.30
1832	218			18	15	11.75	ST	18-15M11.9	220.59
1833	218			12	15	11.75	ST	12-15M11.9	147.06

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1834	218			10	15	29.50	ST	10-15M29.6	307.69
1835	218			8	15	8.42	ST	8-C15M08.5	70.26
1836	218			8	15	4.92	HB	8-C15M04.11	41.05
1837	218			12	15	14.75	ST	12-15M14.9	184.61
1838	218			10	15	15.42	ST	15M15.5 @12"	160.83
1839	218			20	15	15.42	ST	20-15M15.5	321.66
1840	218			6	15	19.67	ST	6-15M19.8	123.09
1841	218			20	15	13.08	ST	20-15M13.1	272.85
1842	218			6	15	18.00	ST	6-15M18.0	112.64
1843	218			16	15	13.08	ST	16-15M13.1	218.28
1844	218			10	15	14.75	ST	10-15M14.9	153.84
1845	218			33	15	14.75	ST	15M14.9 @12"	507.68
1846	218			4	15	3.92	HB	C-15M03.11 @18"	16.35
1847	218			13	15	11.75	ST	15M11.9 @10"	159.32
1848	218			18	15	11.75	ST	18-15M11.9	220.59
1849	218			10	15	14.75	ST	10-15M14.9	153.84
1850	218			8	15	15.42	ST	15M15.5 @16"	128.66
1851	218			20	15	15.42	ST	20-15M15.5	321.66
1852	218			6	15	19.67	ST	6-15M19.8	123.09
1853	218			20	15	13.08	ST	20-15M13.1	272.85
1854	218			6	15	18.00	ST	6-15M18.0	112.64
1855	218	INTEGRITY BARS		32	15	29.50	ST	2-15M EW	984.59
1856									
1857	217	LEVEL 6-21- REF: S-12							
1858	217	8" THK SLAB	16	450	15	29.50	SL	15M @18" BOT. EW	221533.20
1859	217		16	81	15	29.50	SL	15M @48" SUPT. BAR	39875.98
1860	217		16	560	10	4.33	LB	10M @48" STANDEE	26692.20
1861	217		16	42	15	29.50	SL	1-15M T&B	20676.43
1862	217		16	32	15	4.00	HB	15M COR.	2136.06
1863	217	PLAN ADDITIONALS	16	10	15	29.50	ST	10-15M29.6	4922.96
1864	217		16	8	15	8.42	ST	8-C15M08.5	1124.10
1865	217		16	8	15	4.92	HB	8-C15M04.11	656.84
1866	217		16	12	15	14.75	ST	12-15M14.9	2953.78
1867	217		16	22	15	21.33	ST	15M21.4 @16"	7831.01
1868	217		16	16	15	29.50	ST	16-15M29.6	7876.74
1869	217		16	14	15	11.75	ST	14-15M11.9	2745.18
1870	217		16	12	15	11.75	ST	12-15M11.9	2353.01
1871	217		16	10	15	29.50	ST	10-15M29.6	4922.96
1872	217		16	8	15	8.42	ST	8-C15M08.5	1124.10
1873	217		16	8	15	4.92	HB	8-C15M04.11	656.84
1874	217		16	12	15	14.75	ST	12-15M14.9	2953.78
1875	217		16	10	15	15.42	ST	15M15.5 @12"	2573.29
1876	217		16	20	15	15.42	ST	20-15M15.5	5146.58
1877	217		16	6	15	19.67	ST	6-15M19.8	1969.52
1878	217		16	20	15	13.08	ST	20-15M13.1	4365.58
1879	217		16	6	15	18.00	ST	6-15M18.0	1802.30
1880	217		16	16	15	13.08	ST	16-15M13.1	3492.46

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1881	217		16	10	15	14.75	ST	10-15M14.9	2461.48
1882	217		16	33	15	14.75	ST	15M14.9 @12"	8122.88
1883	217		16	4	15	3.92	HB	C-15M03.11 @18"	261.67
1884	217		16	13	15	11.75	ST	15M11.9 @10"	2549.09
1885	217		16	18	15	11.75	ST	18-15M11.9	3529.51
1886	217		16	10	15	14.75	ST	10-15M14.9	2461.48
1887	217		16	8	15	15.42	ST	15M15.5 @16"	2058.63
1888	217		16	20	15	15.42	ST	20-15M15.5	5146.58
1889	217		16	6	15	19.67	ST	6-15M19.8	1969.52
1890	217		16	20	15	13.08	ST	20-15M13.1	4365.58
1891	217		16	6	15	18.00	ST	6-15M18.0	1802.30
1892	217		16	65	15	18.00	ST	15M18.0 @16"	19524.96
1893	217		16	65	15	18.00	ST	15M18.0 @16"	19524.96
1894	217		16	14	15	11.75	ST	14-15M11.9	2745.18
1895	217		16	8	15	11.75	ST	8-15M11.9	1568.67
1896	217		16	16	15	5.92	HB	C15M05.11 @12"	1580.69
1897	217		16	2	15	7.83	ST	2-15M07.10	261.33
1898	217		16	2	15	18.00	ST	2-15M018.0	600.77
1899	217		16	35	15	11.75	ST	15M11.9 @12"	6862.94
1900	217		16	12	15	11.75	ST	12-15M11.9	2353.01
1901	217		16	8	15	11.75	ST	8-15M11.9	1568.67
1902	217		16	10	15	29.50	ST	10-15M29.6	4922.96
1903	217		16	8	15	8.42	ST	8-C15M08.5	1124.10
1904	217		16	8	15	4.92	HB	8-C15M04.11	656.84
1905	217		16	12	15	14.75	ST	12-15M14.9	2953.78
1906	217		16	22	15	21.33	ST	15M21.4 @16"	7831.01
1907	217		16	16	15	29.50	ST	16-15M29.6	7876.74
1908	217		16	18	15	11.75	ST	18-15M11.9	3529.51
1909	217		16	12	15	11.75	ST	12-15M11.9	2353.01
1910	217		16	10	15	29.50	ST	10-15M29.6	4922.96
1911	217		16	8	15	8.42	ST	8-C15M08.5	1124.10
1912	217		16	8	15	4.92	HB	8-C15M04.11	656.84
1913	217		16	12	15	14.75	ST	12-15M14.9	2953.78
1914	217		16	10	15	15.42	ST	15M15.5 @12"	2573.29
1915	217		16	20	15	15.42	ST	20-15M15.5	5146.58
1916	217		16	6	15	19.67	ST	6-15M19.8	1969.52
1917	217		16	20	15	13.08	ST	20-15M13.1	4365.58
1918	217		16	6	15	18.00	ST	6-15M18.0	1802.30
1919	217		16	16	15	13.08	ST	16-15M13.1	3492.46
1920	217		16	10	15	14.75	ST	10-15M14.9	2461.48
1921	217		16	33	15	14.75	ST	15M14.9 @12"	8122.88
1922	217		16	4	15	3.92	HB	C-15M03.11 @18"	261.67
1923	217		16	13	15	11.75	ST	15M11.9 @10"	2549.09
1924	217		16	18	15	11.75	ST	18-15M11.9	3529.51
1925	217		16	10	15	14.75	ST	10-15M14.9	2461.48
1926	217		16	8	15	15.42	ST	15M15.5 @16"	2058.63
1927	217		16	20	15	15.42	ST	20-15M15.5	5146.58

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1928	217		16	6	15	19.67	ST	6-15M19.8	1969.52
1929	217		16	20	15	13.08	ST	20-15M13.1	4365.58
1930	217		16	6	15	18.00	ST	6-15M18.0	1802.30
1931	217	INTEGRITY BARS	16	32	15	29.50	ST	2-15M EW	15753.47
1932									
1933	216	LEVEL 5 - REF: S-11							
1934	216	8" THK SLAB		450	15	29.50	SL	15M @18" BOT. EW	13845.83
1935	216			81	15	29.50	SL	15M @48" SUPT. BAR	2492.25
1936	216			560	10	4.33	LB	10M @48" STANDEE	1668.26
1937	216			42	15	29.50	SL	1-15M T&B	1292.28
1938	216			32	15	4.00	HB	15M COR.	133.50
1939	216	PLAN ADDITIONALS		10	15	29.50	ST	10-15M29.6	307.69
1940	216			8	15	8.42	ST	8-C15M08.5	70.26
1941	216			8	15	4.92	HB	8-C15M04.11	41.05
1942	216			12	15	14.75	ST	12-15M14.9	184.61
1943	216			22	15	21.33	ST	15M21.4 @16"	489.44
1944	216			16	15	29.50	ST	16-15M29.6	492.30
1945	216			14	15	11.75	ST	14-15M11.9	171.57
1946	216			12	15	11.75	ST	12-15M11.9	147.06
1947	216			10	15	29.50	ST	10-15M29.6	307.69
1948	216			8	15	8.42	ST	8-C15M08.5	70.26
1949	216			8	15	4.92	HB	8-C15M04.11	41.05
1950	216			12	15	14.75	ST	12-15M14.9	184.61
1951	216			10	15	15.42	ST	15M15.5 @12"	160.83
1952	216			20	15	15.42	ST	20-15M15.5	321.66
1953	216			6	15	19.67	ST	6-15M19.8	123.09
1954	216			20	15	13.08	ST	20-15M13.1	272.85
1955	216			6	15	18.00	ST	6-15M18.0	112.64
1956	216			16	15	13.08	ST	16-15M13.1	218.28
1957	216			10	15	14.75	ST	10-15M14.9	153.84
1958	216			33	15	14.75	ST	15M14.9 @12"	507.68
1959	216			4	15	3.92	HB	C-15M03.11 @18"	16.35
1960	216			13	15	11.75	ST	15M11.9 @10"	159.32
1961	216			18	15	11.75	ST	18-15M11.9	220.59
1962	216			10	15	14.75	ST	10-15M14.9	153.84
1963	216			8	15	15.42	ST	15M15.5 @16"	128.66
1964	216			20	15	15.42	ST	20-15M15.5	321.66
1965	216			6	15	19.67	ST	6-15M19.8	123.09
1966	216			20	15	13.08	ST	20-15M13.1	272.85
1967	216			6	15	18.00	ST	6-15M18.0	112.64
1968	216			65	15	18.00	ST	15M18.0 @16"	1220.31
1969	216			65	15	18.00	ST	15M18.0 @16"	1220.31
1970	216			14	15	11.75	ST	14-15M11.9	171.57
1971	216			8	15	11.75	ST	8-15M11.9	98.04
1972	216			16	15	5.92	HB	C15M05.11 @12"	98.79
1973	216			2	15	7.83	ST	2-15M07.10	16.33
1974	216			2	15	18.00	ST	2-15M018.0	37.55

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
1975	216			35	15	11.75	ST	15M11.9 @12"	428.93
1976	216			12	15	11.75	ST	12-15M11.9	147.06
1977	216			8	15	11.75	ST	8-15M11.9	98.04
1978	216			10	15	29.50	ST	10-15M29.6	307.69
1979	216			8	15	8.42	ST	8-C15M08.5	70.26
1980	216			8	15	4.92	HB	8-C15M04.11	41.05
1981	216			12	15	14.75	ST	12-15M14.9	184.61
1982	216			22	15	21.33	ST	15M21.4 @16"	489.44
1983	216			16	15	29.50	ST	16-15M29.6	492.30
1984	216			18	15	11.75	ST	18-15M11.9	220.59
1985	216			12	15	11.75	ST	12-15M11.9	147.06
1986	216			10	15	29.50	ST	10-15M29.6	307.69
1987	216			8	15	8.42	ST	8-C15M08.5	70.26
1988	216			8	15	4.92	HB	8-C15M04.11	41.05
1989	216			12	15	14.75	ST	12-15M14.9	184.61
1990	216			10	15	15.42	ST	15M15.5 @12"	160.83
1991	216			20	15	15.42	ST	20-15M15.5	321.66
1992	216			6	15	19.67	ST	6-15M19.8	123.09
1993	216			20	15	13.08	ST	20-15M13.1	272.85
1994	216			6	15	18.00	ST	6-15M18.0	112.64
1995	216			16	15	13.08	ST	16-15M13.1	218.28
1996	216			10	15	14.75	ST	10-15M14.9	153.84
1997	216			33	15	14.75	ST	15M14.9 @12"	507.68
1998	216			4	15	3.92	HB	C-15M03.11 @18"	16.35
1999	216			13	15	11.75	ST	15M11.9 @10"	159.32
2000	216			18	15	11.75	ST	18-15M11.9	220.59
2001	216			10	15	14.75	ST	10-15M14.9	153.84
2002	216			8	15	15.42	ST	15M15.5 @16"	128.66
2003	216			20	15	15.42	ST	20-15M15.5	321.66
2004	216			6	15	19.67	ST	6-15M19.8	123.09
2005	216			20	15	13.08	ST	20-15M13.1	272.85
2006	216			6	15	18.00	ST	6-15M18.0	112.64
2007	216	INTEGRITY BARS		32	15	29.50	ST	2-15M EW	984.59
2008	216	6" THICK SLAB	2	12	10	19.00	ST	10M @12" BOT. LW	313.73
2009	216		2	20	10	10.50	ST	10M @12" BOT. SW	288.96
2010	216		2	45	15	3.92	HB	C15M03.11 @16"	367.97
2011									
2012	109	SHEAR WALL							
2013	109	REF:S-5, S-16, S-17, S-18, S-19							
2014	108	Z1		35	30	13.42	HB	35-30M DWL.	1596.54
2015	109			35	30	13.58	ST	35-30M VERT.	1616.42
2016	109			35	30	13.25	ST	35-30M VERT.	1576.75
2017	109			35	30	14.25	ST	35-30M VERT.	1695.75
2018	109			35	30	13.25	ST	35-30M VERT.	1576.75
2019	109			5	30	17.58	HB	5-30M VERT.	298.91
2020	109			30	30	19.58	ST	30-30M VERT.	1997.50
2021	109			180	30	13.25	ST	30-30M VERT.	8109.20

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2022	109			270	30	13.58	ST	30-30M VERT.	12469.81
2023	109			60	30	14.17	ST	30-30M VERT.	2890.07
2024	109			6	30	11.25	HB	6-30M VERT.	229.50
2025	109			24	30	14.17	ST	24-30M VERT.	1156.03
2026	109			168	30	14.17	ST	24-30M VERT.	8092.19
2027	109			72	30	15.17	ST	24-30M VERT.	3712.88
2028	109			24	30	16.17	ST	24-30M VERT.	1319.23
2029	109			6	30	13.25	ST	6-30M VERT.	270.30
2030	109			18	30	16.17	ST	18-30M VERT.	989.42
2031	109			18	30	17.83	ST	18-30M VERT.	1091.38
2032	109			18	30	17.58	HB	18-30M VERT.	1076.08
2033	109	REF:1/S-18		150	15	46.33	LB	15M @5" TIES	7248.17
2034	109			243	20	4.84	HB	20M @3" TIES	1766.53
2035	109	REF:2/S-18		146	15	37.16	LB	15M @5" TIES	5658.96
2036	109			182	20	4.17	HB	20M @4" TIES	1140.75
2037	109	REF:13/S-18		364	15	38.66	LB	15M @5" TIES	14677.73
2038	109	REF:17/S-18		356	15	38.66	LB	15M @6" TIES	14355.14
2039	109			62	10	37.83	LB	10M @6" TIES	1613.72
2040	109								
2041	108	Z2	2	20	20	10.83	HB	20-20M DWL.	650.87
2042	109		2	20	20	13.67	ST	20-20M VERT.	821.07
2043	109		2	20	20	11.75	ST	20-20M VERT.	705.94
2044	109		2	20	20	12.75	ST	20-20M VERT.	766.02
2045	109		2	20	20	11.75	ST	20-20M VERT.	705.94
2046	109		2	20	20	17.83	ST	20-20M VERT.	1071.41
2047	109		2	100	20	11.50	ST	20-20M VERT.	3454.60
2048	109		2	6	20	10.67	HB	6-20M VERT.	192.26
2049	109		2	14	20	11.50	ST	14-20M VERT.	483.64
2050	109		2	126	20	11.75	ST	14-20M VERT.	4447.42
2051	109		2	126	20	12.00	ST	14-20M VERT.	4542.05
2052	109		2	42	20	13.00	ST	14-20M VERT.	1640.18
2053	109		2	28	20	14.00	ST	14-20M VERT.	1177.57
2054	109		2	14	20	15.67	ST	14-20M VERT.	658.85
2055	109		2	14	20	17.00	HB	14-20M VERT.	714.95
2056	109	REF:3/S-18	2	296	15	27.67	LB	15M @5" TIES	17082.54
2057	109	REF:15/S-18	2	650	10	28.00	LB	10M @5" TIES	25043.20
2058	109								
2059	108	Z3		20	30	13.17	HB	20-30M DWL.	895.31
2060	109			20	30	15.42	ST	20-30M VERT.	1048.31
2061	109			20	30	13.25	ST	20-30M VERT.	901.00
2062	109			20	30	14.25	ST	20-30M VERT.	969.00
2063	109			20	30	13.25	ST	20-30M VERT.	901.00
2064	109			20	30	19.58	ST	20-30M VERT.	1331.67
2065	109			100	30	13.25	ST	20-30M VERT.	4505.11
2066	109			20	30	12.67	ST	20-30M VERT.	861.36
2067	109			100	25	13.00	ST	20-25M VERT.	3471.00
2068	109			6	25	11.00	HB	6-25M VERT.	176.22

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2069	109			56	25	13.00	ST	14-25M VERT.	1943.76
2070	109			112	25	13.42	ST	14-25M VERT.	4012.22
2071	109			4	25	11.00	HB	4-25M VERT.	117.48
2072	109			10	25	13.42	ST	10-25M VERT.	358.23
2073	109			30	25	14.42	ST	10-25M VERT.	1154.80
2074	109			20	25	15.42	ST	10-25M VERT.	823.27
2075	109			10	25	17.08	ST	10-25M VERT.	456.12
2076	109			10	25	17.33	HB	10-25M VERT.	462.79
2077	109	REF:4/S-18		296	15	27.67	LB	15M @5" TIES	8541.27
2078	109	REF:16/S-18		123	10	25.00	LB	10M @6" TIES	2115.77
2079	109	REF:19/S-18		245	10	27.34	LB	10M @6" TIES	4607.76
2080	109	REF:20/S-18		178	10	16.00	LB	10M @6" TIES	1959.67
2081	109								
2082	108	Z4		30	30	13.17	HB	30-30M DWL.	1342.97
2083	109			30	30	15.42	ST	30-30M VERT.	1572.47
2084	109			30	30	13.25	ST	30-30M VERT.	1351.50
2085	109			30	30	14.25	ST	30-30M VERT.	1453.50
2086	109			30	30	13.25	ST	30-30M VERT.	1351.50
2087	109			30	30	19.58	ST	30-30M VERT.	1997.50
2088	109			180	30	13.25	ST	30-30M VERT.	8109.20
2089	109			150	30	13.58	ST	30-30M VERT.	6927.67
2090	109			10	30	11.25	HB	10-30M VERT.	382.50
2091	109			40	30	13.58	ST	20-30M VERT.	1847.38
2092	109			160	30	14.17	ST	20-30M VERT.	7706.85
2093	109			8	30	11.25	HB	8-30M VERT.	306.00
2094	109			12	30	13.42	ST	12-30M VERT.	547.41
2095	109			36	25	14.42	ST	12-25M VERT.	1385.76
2096	109			24	25	15.42	ST	12-25M VERT.	987.92
2097	109			12	25	17.08	ST	12-25M VERT.	547.34
2098	109			12	25	17.33	HB	12-25M VERT.	555.35
2099	109			5	25	12.58	HB	5-25M DWL.	167.98
2100	109			5	25	14.83	ST	5-25M VERT.	198.02
2101	109			5	25	12.75	ST	5-25M VERT.	170.21
2102	109			5	25	13.75	ST	5-25M VERT.	183.56
2103	109			5	25	12.75	ST	5-25M VERT.	170.21
2104	109			5	25	17.33	HB	5-25M VERT.	231.40
2105	109	REF:4/S-18		151	15	46.50	LB	15M @5" TIES	7323.27
2106	109	REF:12/S-18		147	15	42.00	LB	15M @5" TIES	6439.18
2107	109	REF:16/S-18		123	10	40.84	LB	10M @6" TIES	3455.96
2108	109	REF:19/S-18		129	10	27.34	LB	10M @12" TIES	2426.12
2109	109	REF:20/S-18		178	10	15.33	LB	10M @6" TIES	1877.62
2110	109								
2111	108	W4		22	15	3.00	ST	15M @5" DWL. EF	68.84
2112	109			22	15	13.33	ST	15M @5" VERT. EF	305.94
2113	109			22	15	11.50	ST	15M @5" VERT. EF	263.88
2114	109			22	15	12.50	ST	15M @5" VERT. EF	286.83
2115	109			22	15	11.50	ST	15M @5" VERT. EF	263.88

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2116	109			22	15	17.67	ST	15M @5" VERT. EF	405.39
2117	109			132	15	11.17	ST	15M @5" VERT. EF	1537.43
2118	109			198	15	11.33	ST	15M @5" VERT. EF	2340.63
2119	109			198	15	11.58	ST	15M @5" VERT. EF	2392.26
2120	109			66	15	12.58	ST	15M @5" VERT. EF	866.26
2121	109			44	15	13.58	ST	15M @5" VERT. EF	623.40
2122	109			22	15	15.25	ST	15M @5" VERT. EF	349.93
2123	109			22	15	16.83	HB	15M @5" VERT. EF	386.25
2124	109			840	20	9.34	HB	20M @3" HORZ (4)	11784.09
2125	109			448	20	27.33	HB	20M @3" HORZ (4)	18392.94
2126	109			368	20	9.34	HB	20M @4" HORZ (4)	5162.55
2127	109			128	20	26.33	HB	20M @4" HORZ (4)	5062.87
2128	109			690	20	9.34	HB	20M @4" HORZ (3)	9679.79
2129	109			240	20	26.33	HB	20M @4" HORZ (3)	9492.88
2130	109			627	20	9.34	HB	20M @5" HORZ (3)	8795.98
2131	109			228	20	26.33	HB	20M @5" HORZ (3)	9018.24
2132	109			69	20	9.34	HB	20M @4" HORZ (3)	967.98
2133	109			39	20	26.33	HB	20M @4" HORZ (3)	1542.59
2134	109			69	15	9.17	HB	15M @4" HORZ (3)	659.65
2135	109			39	15	26.33	HB	15M @4" HORZ (3)	1071.19
2136	109			38	15	9.17	HB	15M @5" HORZ EF	363.29
2137	109			40	15	26.33	HB	15M @5" HORZ EF	1098.65
2138	109			24	15	9.17	HB	15M @8" HORZ EF	229.44
2139	109			28	15	26.33	HB	15M @8" HORZ EF	769.06
2140	109								
2141	108	W5		4	15	3.00	ST	15M @5" DWL. EF	12.52
2142	109			4	15	13.33	ST	15M @5" VERT. EF	55.63
2143	109			4	15	11.50	ST	15M @5" VERT. EF	47.98
2144	109			4	15	12.50	ST	15M @5" VERT. EF	52.15
2145	109			4	15	11.50	ST	15M @5" VERT. EF	47.98
2146	109			4	15	17.67	ST	15M @5" VERT. EF	73.71
2147	109			24	15	11.17	ST	15M @5" VERT. EF	279.53
2148	109			24	15	11.33	ST	15M @5" VERT. EF	283.71
2149	109			2	15	3.33	ST	15M @5" DWL. EF	6.95
2150	109			18	15	11.33	ST	15M @5" VERT. EF	212.78
2151	109			54	15	11.58	ST	15M @5" VERT. EF	652.43
2152	109			18	15	12.58	ST	15M @7" VERT. EF	236.25
2153	109			12	15	13.58	ST	15M @7" VERT. EF	170.02
2154	109			6	15	15.25	ST	15M @6" VERT. EF	95.43
2155	109			4	15	16.83	HB	15M @12" VERT. EF	70.23
2156	109								
2157	109	H4	3	16	30	11.83	ST	8-30M DIAG.	1931.15
2158	109		3	30	10	6.34	LB	10M @4" STPS	392.57
2159	109		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2160	109		3	16	10	4.92	ST	10M @4" HORZ. EF	162.38
2161	109		3	5	10	10.33	LB	10M @12" STPS.	106.65
2162	109								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2163	109	H2	3	16	30	12.92	ST	8-30M DIAG.	2107.89
2164	109		3	32	10	6.34	LB	10M @4" STPS	418.74
2165	109		3	4	15	11.58	HB	2-C15M HORZ. T&B	144.97
2166	109		3	16	10	5.50	ST	10M @4" HORZ. EF	181.63
2167	109		3	6	10	10.33	LB	10M @12" STPS.	127.98
2168	109								
2169	109	H4		16	30	12.42	ST	8-30M DIAG.	675.43
2170	109			32	10	6.34	LB	10M @4" STPS	139.58
2171	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2172	109			22	10	4.92	ST	10M @4" HORZ. EF	74.42
2173	109			5	10	12.17	LB	10M @12" STPS.	41.85
2174	109								
2175	109	H2		16	30	13.92	ST	8-30M DIAG.	757.03
2176	109			36	10	6.34	LB	10M @4" STPS	157.03
2177	109			4	15	11.58	HB	2-C15M HORZ. T&B	48.32
2178	109			24	10	4.92	ST	10M @4" HORZ. EF	81.19
2179	109			5	10	11.84	LB	10M @12" STPS.	40.73
2180	109								
2181	109	H4		16	30	16.75	ST	8-30M DIAG.	911.15
2182	109			60	10	6.34	LB	10M @4" STPS	261.72
2183	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2184	109			56	10	4.92	ST	10M @4" HORZ. EF	189.44
2185	109			5	10	23.84	LB	10M @12" STPS.	82.01
2186	109								
2187	109	H2		16	30	18.67	ST	8-30M DIAG.	1015.43
2188	109			66	10	6.34	LB	10M @4" STPS	287.89
2189	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2190	109			56	10	4.92	ST	10M @4" HORZ. EF	189.44
2191	109			5	10	23.84	LB	10M @12" STPS.	82.01
2192	109								
2193	109	H4	7	16	30	11.67	ST	8-30M DIAG.	4442.41
2194	109		7	30	10	6.34	LB	10M @4" STPS	916.00
2195	109		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
2196	109		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
2197	109		7	5	10	10.00	LB	10M @12" STPS.	240.80
2198	109								
2199	109	H2	7	16	30	12.00	ST	8-30M DIAG.	4569.60
2200	109		7	30	10	6.34	LB	10M @4" STPS	916.00
2201	109		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
2202	109		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
2203	109		7	5	10	10.00	LB	10M @12" STPS.	240.80
2204	109								
2205	109	H4	3	16	30	12.33	ST	8-30M DIAG.	2012.91
2206	109		3	30	10	6.34	LB	10M @4" STPS	392.57
2207	109		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2208	109		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
2209	109		3	5	10	10.00	LB	10M @12" STPS.	103.20

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2210	109								
2211	109	H2	3	16	30	12.33	ST	8-30M DIAG.	2012.91
2212	109		3	30	10	6.34	LB	10M @4" STPS	392.57
2213	109		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2214	109		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
2215	109		3	5	10	10.00	LB	10M @12" STPS.	103.20
2216	109								
2217	109	H4	6	16	25	11.17	ST	8-25M DIAG.	2862.07
2218	109		6	30	10	6.34	LB	10M @4" STPS	785.15
2219	109		6	4	15	13.42	HB	2-C15M HORZ. T&B	335.83
2220	109		6	14	10	4.92	ST	10M @4" HORZ. EF	284.16
2221	109		6	5	10	10.00	LB	10M @12" STPS.	206.40
2222	109								
2223	109	H2	6	16	30	12.33	ST	8-30M DIAG.	4025.82
2224	109		6	30	10	6.34	LB	10M @4" STPS	785.15
2225	109		6	4	15	13.42	HB	2-C15M HORZ. T&B	335.83
2226	109		6	14	10	4.92	ST	10M @4" HORZ. EF	284.16
2227	109		6	5	10	10.00	LB	10M @12" STPS.	206.40
2228	109								
2229	109	H4	7	16	25	12.00	ST	8-25M DIAG.	3588.48
2230	109		7	30	10	6.34	LB	10M @4" STPS	916.00
2231	109		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
2232	109		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
2233	109		7	5	10	10.00	LB	10M @12" STPS.	240.80
2234	109								
2235	109	H2	7	16	25	12.17	ST	8-25M DIAG.	3638.42
2236	109		7	30	10	6.34	LB	10M @4" STPS	916.00
2237	109		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
2238	109		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
2239	109		7	5	10	10.00	LB	10M @12" STPS.	240.80
2240	109								
2241	109	H4		8	30	12.00	ST	4-30M DIAG.	326.40
2242	109			30	10	6.34	LB	10M @4" STPS	130.86
2243	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2244	109			14	10	4.92	ST	10M @4" HORZ. EF	47.36
2245	109			5	10	10.00	LB	10M @12" STPS.	34.40
2246	109								
2247	109	H2		16	25	12.17	ST	8-25M DIAG.	519.77
2248	109			30	10	6.34	LB	10M @4" STPS	130.86
2249	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2250	109			14	10	4.92	ST	10M @4" HORZ. EF	47.36
2251	109			5	10	10.00	LB	10M @12" STPS.	34.40
2252	109								
2253	109	H4	3	8	25	12.58	ST	4-25M DIAG.	806.32
2254	109		3	30	10	6.34	LB	10M @4" STPS	392.57
2255	109		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2256	109		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2257	109		3	5	10	10.00	LB	10M @12" STPS.	103.20
2258	109								
2259	109	H2	3	16	25	13.00	ST	8-25M DIAG.	1666.08
2260	109		3	30	10	6.34	LB	10M @4" STPS	392.57
2261	109		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2262	109		3	20	10	4.92	ST	10M @4" HORZ. EF	202.97
2263	109		3	5	10	11.67	LB	10M @12" STPS.	120.39
2264	109								
2265	109	H4	2	8	25	12.58	ST	4-25M DIAG.	537.55
2266	109		2	30	10	6.34	LB	10M @4" STPS	261.72
2267	109		2	4	15	13.42	HB	2-C15M HORZ. T&B	111.94
2268	109		2	14	10	4.92	ST	10M @4" HORZ. EF	94.72
2269	109		2	5	10	10.00	LB	10M @12" STPS.	68.80
2270	109								
2271	109	H2	2	16	20	12.75	ST	8-20M DIAG.	612.82
2272	109		2	30	10	6.34	LB	10M @4" STPS	261.72
2273	109		2	4	15	13.42	HB	2-C15M HORZ. T&B	111.94
2274	109		2	26	10	4.92	ST	10M @4" HORZ. EF	175.91
2275	109		2	5	10	13.67	LB	10M @12" STPS.	94.02
2276	109								
2277	109	H4		8	20	13.17	HB	3-20M T&B	158.20
2278	109			12	15	17.00	LB	15M @4" STPS.	212.77
2279	109								
2280	109	H2		16	20	14.92	ST	8-20M DIAG.	358.46
2281	109			46	10	6.34	LB	10M @4" STPS	200.65
2282	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2283	109			36	10	4.92	ST	10M @4" HORZ. EF	121.78
2284	109			5	10	17.00	LB	10M @12" STPS.	58.48
2285	109								
2286	109	H2		8	20	10.67	HB	4-20M T&B	128.16
2287	109			12	15	42.67	LB	15M @5" STPS.	534.01
2288									
2289	109	REF:2/S-18A							
2290	108	Z1		35	30	13.42	HB	35-30M DWL.	1596.54
2291	109			35	30	13.58	ST	35-30M VERT.	1616.42
2292	109			35	30	13.25	ST	35-30M VERT.	1576.75
2293	109			35	30	14.25	ST	35-30M VERT.	1695.75
2294	109			35	30	13.25	ST	35-30M VERT.	1576.75
2295	109			5	30	17.58	HB	5-30M VERT.	298.91
2296	109			30	30	19.58	ST	30-30M VERT.	1997.50
2297	109			180	30	13.25	ST	30-30M VERT.	8109.20
2298	109			270	30	13.58	ST	30-30M VERT.	12469.81
2299	109			60	30	14.17	ST	30-30M VERT.	2890.07
2300	109			6	30	11.25	HB	6-30M VERT.	229.50
2301	109			24	30	14.17	ST	24-30M VERT.	1156.03
2302	109			168	30	14.17	ST	24-30M VERT.	8092.19
2303	109			72	30	15.17	ST	24-30M VERT.	3712.88

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2304	109			24	30	16.17	ST	24-30M VERT.	1319.23
2305	109			6	30	13.25	ST	6-30M VERT.	270.30
2306	109			18	30	16.17	ST	18-30M VERT.	989.42
2307	109			18	30	17.83	ST	18-30M VERT.	1091.38
2308	109			18	30	17.58	HB	18-30M VERT.	1076.08
2309	109	REF:1/S-18		150	15	46.33	LB	15M @5" TIES	7248.17
2310	109			243	20	4.84	HB	20M @3" TIES	1766.53
2311	109	REF:2/S-18		146	15	37.16	LB	15M @5" TIES	5658.96
2312	109			182	20	4.17	HB	20M @4" TIES	1140.75
2313	109	REF:13/S-18		364	15	38.66	LB	15M @5" TIES	14677.73
2314	109	REF:17/S-18		356	15	38.66	LB	15M @6" TIES	14355.14
2315	109			62	10	37.83	LB	10M @6" TIES	1613.72
2316	109								
2317	108	Z2	2	20	20	10.83	HB	20-20M DWL.	650.87
2318	109		2	20	20	13.67	ST	20-20M VERT.	821.07
2319	109		2	20	20	11.75	ST	20-20M VERT.	705.94
2320	109		2	20	20	12.75	ST	20-20M VERT.	766.02
2321	109		2	20	20	11.75	ST	20-20M VERT.	705.94
2322	109		2	20	20	17.83	ST	20-20M VERT.	1071.41
2323	109		2	100	20	11.50	ST	20-20M VERT.	3454.60
2324	109		2	6	20	10.67	HB	6-20M VERT.	192.26
2325	109		2	14	20	11.50	ST	14-20M VERT.	483.64
2326	109		2	126	20	11.75	ST	14-20M VERT.	4447.42
2327	109		2	126	20	12.00	ST	14-20M VERT.	4542.05
2328	109		2	42	20	13.00	ST	14-20M VERT.	1640.18
2329	109		2	28	20	14.00	ST	14-20M VERT.	1177.57
2330	109		2	14	20	15.67	ST	14-20M VERT.	658.85
2331	109		2	14	20	17.00	HB	14-20M VERT.	714.95
2332	109	REF:3/S-18	2	296	15	27.67	LB	15M @5" TIES	17082.54
2333	109	REF:15/S-18	2	650	10	28.00	LB	10M @5" TIES	25043.20
2334	109								
2335	108	Z3		20	30	13.17	HB	20-30M DWL.	895.31
2336	109			20	30	15.42	ST	20-30M VERT.	1048.31
2337	109			20	30	13.25	ST	20-30M VERT.	901.00
2338	109			20	30	14.25	ST	20-30M VERT.	969.00
2339	109			20	30	13.25	ST	20-30M VERT.	901.00
2340	109			20	30	19.58	ST	20-30M VERT.	1331.67
2341	109			100	30	13.25	ST	20-30M VERT.	4505.11
2342	109			20	30	12.67	ST	20-30M VERT.	861.36
2343	109			100	25	13.00	ST	20-25M VERT.	3471.00
2344	109			6	25	11.00	HB	6-25M VERT.	176.22
2345	109			56	25	13.00	ST	14-25M VERT.	1943.76
2346	109			112	25	13.42	ST	14-25M VERT.	4012.22
2347	109			4	25	11.00	HB	4-25M VERT.	117.48
2348	109			10	25	13.42	ST	10-25M VERT.	358.23
2349	109			30	25	14.42	ST	10-25M VERT.	1154.80
2350	109			20	25	15.42	ST	10-25M VERT.	823.27

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2351	109			10	25	17.08	ST	10-25M VERT.	456.12
2352	109			10	25	17.33	HB	10-25M VERT.	462.79
2353	109	REF:4/S-18		296	15	27.67	LB	15M @5" TIES	8541.27
2354	109	REF:16/S-18		123	10	25.00	LB	10M @6" TIES	2115.77
2355	109	REF:19/S-18		245	10	27.34	LB	10M @6" TIES	4607.76
2356	109	REF:20/S-18		178	10	16.00	LB	10M @6" TIES	1959.67
2357	109								
2358	108	Z4		30	30	13.17	HB	30-30M DWL.	1342.97
2359	109			30	30	15.42	ST	30-30M VERT.	1572.47
2360	109			30	30	13.25	ST	30-30M VERT.	1351.50
2361	109			30	30	14.25	ST	30-30M VERT.	1453.50
2362	109			30	30	13.25	ST	30-30M VERT.	1351.50
2363	109			30	30	19.58	ST	30-30M VERT.	1997.50
2364	109			180	30	13.25	ST	30-30M VERT.	8109.20
2365	109			150	30	13.58	ST	30-30M VERT.	6927.67
2366	109			10	30	11.25	HB	10-30M VERT.	382.50
2367	109			40	30	13.58	ST	20-30M VERT.	1847.38
2368	109			160	30	14.17	ST	20-30M VERT.	7706.85
2369	109			8	30	11.25	HB	8-30M VERT.	306.00
2370	109			12	30	13.42	ST	12-30M VERT.	547.41
2371	109			36	25	14.42	ST	12-25M VERT.	1385.76
2372	109			24	25	15.42	ST	12-25M VERT.	987.92
2373	109			12	25	17.08	ST	12-25M VERT.	547.34
2374	109			12	25	17.33	HB	12-25M VERT.	555.35
2375	109			5	25	12.58	HB	5-25M DWL.	167.98
2376	109			5	25	14.83	ST	5-25M VERT.	198.02
2377	109			5	25	12.75	ST	5-25M VERT.	170.21
2378	109			5	25	13.75	ST	5-25M VERT.	183.56
2379	109			5	25	12.75	ST	5-25M VERT.	170.21
2380	109			5	25	17.33	HB	5-25M VERT.	231.40
2381	109	REF:4/S-18		151	15	46.50	LB	15M @5" TIES	7323.27
2382	109	REF:12/S-18		147	15	42.00	LB	15M @5" TIES	6439.18
2383	109	REF:16/S-18		123	10	40.84	LB	10M @6" TIES	3455.96
2384	109	REF:19/S-18		129	10	27.34	LB	10M @12" TIES	2426.12
2385	109	REF:20/S-18		178	10	15.33	LB	10M @6" TIES	1877.62
2386	109								
2387	108	W4		22	15	3.00	ST	15M @5" DWL. EF	68.84
2388	109			22	15	13.33	ST	15M @5" VERT. EF	305.94
2389	109			22	15	11.50	ST	15M @5" VERT. EF	263.88
2390	109			22	15	12.50	ST	15M @5" VERT. EF	286.83
2391	109			22	15	11.50	ST	15M @5" VERT. EF	263.88
2392	109			22	15	17.67	ST	15M @5" VERT. EF	405.39
2393	109			132	15	11.17	ST	15M @5" VERT. EF	1537.43
2394	109			198	15	11.33	ST	15M @5" VERT. EF	2340.63
2395	109			198	15	11.58	ST	15M @5" VERT. EF	2392.26
2396	109			66	15	12.58	ST	15M @5" VERT. EF	866.26
2397	109			44	15	13.58	ST	15M @5" VERT. EF	623.40

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2398	109			22	15	15.25	ST	15M @5" VERT. EF	349.93
2399	109			22	15	16.83	HB	15M @5" VERT. EF	386.25
2400	109			840	20	9.34	HB	20M @3" HORZ (4)	11784.09
2401	109			448	20	27.33	HB	20M @3" HORZ (4)	18392.94
2402	109			368	20	9.34	HB	20M @4" HORZ (4)	5162.55
2403	109			128	20	26.33	HB	20M @4" HORZ (4)	5062.87
2404	109			690	20	9.34	HB	20M @4" HORZ (3)	9679.79
2405	109			240	20	26.33	HB	20M @4" HORZ (3)	9492.88
2406	109			627	20	9.34	HB	20M @5" HORZ (3)	8795.98
2407	109			228	20	26.33	HB	20M @5" HORZ (3)	9018.24
2408	109			69	20	9.34	HB	20M @4" HORZ (3)	967.98
2409	109			39	20	26.33	HB	20M @4" HORZ (3)	1542.59
2410	109			69	15	9.17	HB	15M @4" HORZ (3)	659.65
2411	109			39	15	26.33	HB	15M @4" HORZ (3)	1071.19
2412	109			38	15	9.17	HB	15M @5" HORZ EF	363.29
2413	109			40	15	26.33	HB	15M @5" HORZ EF	1098.65
2414	109			24	15	9.17	HB	15M @8" HORZ EF	229.44
2415	109			28	15	26.33	HB	15M @8" HORZ EF	769.06
2416	109								
2417	108	W5		4	15	3.00	ST	15M @5" DWL. EF	12.52
2418	109			4	15	13.33	ST	15M @5" VERT. EF	55.63
2419	109			4	15	11.50	ST	15M @5" VERT. EF	47.98
2420	109			4	15	12.50	ST	15M @5" VERT. EF	52.15
2421	109			4	15	11.50	ST	15M @5" VERT. EF	47.98
2422	109			4	15	17.67	ST	15M @5" VERT. EF	73.71
2423	109			24	15	11.17	ST	15M @5" VERT. EF	279.53
2424	109			24	15	11.33	ST	15M @5" VERT. EF	283.71
2425	109			2	15	3.33	ST	15M @5" DWL. EF	6.95
2426	109			18	15	11.33	ST	15M @5" VERT. EF	212.78
2427	109			54	15	11.58	ST	15M @5" VERT. EF	652.43
2428	109			18	15	12.58	ST	15M @7" VERT. EF	236.25
2429	109			12	15	13.58	ST	15M @7" VERT. EF	170.02
2430	109			6	15	15.25	ST	15M @6" VERT. EF	95.43
2431	109			4	15	16.83	HB	15M @12" VERT. EF	70.23
2432	109								
2433	109	H3	3	16	30	11.83	ST	8-30M DIAG.	1931.15
2434	109		3	30	10	6.34	LB	10M @4" STPS	392.57
2435	109		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2436	109		3	16	10	4.92	ST	10M @4" HORZ. EF	162.38
2437	109		3	5	10	10.33	LB	10M @12" STPS.	106.65
2438	109								
2439	109	H1	3	16	30	12.92	ST	8-30M DIAG.	2107.89
2440	109		3	32	10	6.34	LB	10M @4" STPS	418.74
2441	109		3	4	15	11.58	HB	2-C15M HORZ. T&B	144.97
2442	109		3	16	10	5.50	ST	10M @4" HORZ. EF	181.63
2443	109		3	6	10	10.33	LB	10M @12" STPS.	127.98
2444	109								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2445	109	H3		16	30	12.42	ST	8-30M DIAG.	675.43
2446	109			32	10	6.34	LB	10M @4" STPS	139.58
2447	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2448	109			22	10	4.92	ST	10M @4" HORZ. EF	74.42
2449	109			5	10	12.17	LB	10M @12" STPS.	41.85
2450	109								
2451	109	H1		16	30	13.92	ST	8-30M DIAG.	757.03
2452	109			36	10	6.34	LB	10M @4" STPS	157.03
2453	109			4	15	11.58	HB	2-C15M HORZ. T&B	48.32
2454	109			24	10	4.92	ST	10M @4" HORZ. EF	81.19
2455	109			5	10	11.84	LB	10M @12" STPS.	40.73
2456	109								
2457	109	H3		16	30	16.75	ST	8-30M DIAG.	911.15
2458	109			60	10	6.34	LB	10M @4" STPS	261.72
2459	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2460	109			56	10	4.92	ST	10M @4" HORZ. EF	189.44
2461	109			5	10	23.84	LB	10M @12" STPS.	82.01
2462	109								
2463	109	H1		16	30	18.67	ST	8-30M DIAG.	1015.43
2464	109			66	10	6.34	LB	10M @4" STPS	287.89
2465	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2466	109			56	10	4.92	ST	10M @4" HORZ. EF	189.44
2467	109			5	10	23.84	LB	10M @12" STPS.	82.01
2468	109								
2469	109	H3	7	16	30	11.67	ST	8-30M DIAG.	4442.41
2470	109		7	30	10	6.34	LB	10M @4" STPS	916.00
2471	109		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
2472	109		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
2473	109		7	5	10	10.00	LB	10M @12" STPS.	240.80
2474	109								
2475	109	H1	7	16	30	12.00	ST	8-30M DIAG.	4569.60
2476	109		7	30	10	6.34	LB	10M @4" STPS	916.00
2477	109		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
2478	109		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
2479	109		7	5	10	10.00	LB	10M @12" STPS.	240.80
2480	109								
2481	109	H3	3	16	30	12.33	ST	8-30M DIAG.	2012.91
2482	109		3	30	10	6.34	LB	10M @4" STPS	392.57
2483	109		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2484	109		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
2485	109		3	5	10	10.00	LB	10M @12" STPS.	103.20
2486	109								
2487	109	H1	3	16	30	12.33	ST	8-30M DIAG.	2012.91
2488	109		3	30	10	6.34	LB	10M @4" STPS	392.57
2489	109		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2490	109		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
2491	109		3	5	10	10.00	LB	10M @12" STPS.	103.20

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2492	109								
2493	109	H3	6	16	25	11.17	ST	8-25M DIAG.	2862.07
2494	109		6	30	10	6.34	LB	10M @4" STPS	785.15
2495	109		6	4	15	13.42	HB	2-C15M HORZ. T&B	335.83
2496	109		6	14	10	4.92	ST	10M @4" HORZ. EF	284.16
2497	109		6	5	10	10.00	LB	10M @12" STPS.	206.40
2498	109								
2499	109	H1	6	16	30	12.33	ST	8-30M DIAG.	4025.82
2500	109		6	30	10	6.34	LB	10M @4" STPS	785.15
2501	109		6	4	15	13.42	HB	2-C15M HORZ. T&B	335.83
2502	109		6	14	10	4.92	ST	10M @4" HORZ. EF	284.16
2503	109		6	5	10	10.00	LB	10M @12" STPS.	206.40
2504	109								
2505	109	H3	7	16	25	12.00	ST	8-25M DIAG.	3588.48
2506	109		7	30	10	6.34	LB	10M @4" STPS	916.00
2507	109		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
2508	109		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
2509	109		7	5	10	10.00	LB	10M @12" STPS.	240.80
2510	109								
2511	109	H1	7	16	25	12.17	ST	8-25M DIAG.	3638.42
2512	109		7	30	10	6.34	LB	10M @4" STPS	916.00
2513	109		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
2514	109		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
2515	109		7	5	10	10.00	LB	10M @12" STPS.	240.80
2516	109								
2517	109	H3		8	30	12.00	ST	4-30M DIAG.	326.40
2518	109			30	10	6.34	LB	10M @4" STPS	130.86
2519	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2520	109			14	10	4.92	ST	10M @4" HORZ. EF	47.36
2521	109			5	10	10.00	LB	10M @12" STPS.	34.40
2522	109								
2523	109	H1		16	25	12.17	ST	8-25M DIAG.	519.77
2524	109			30	10	6.34	LB	10M @4" STPS	130.86
2525	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2526	109			14	10	4.92	ST	10M @4" HORZ. EF	47.36
2527	109			5	10	10.00	LB	10M @12" STPS.	34.40
2528	109								
2529	109	H3	3	8	25	12.58	ST	4-25M DIAG.	806.32
2530	109		3	30	10	6.34	LB	10M @4" STPS	392.57
2531	109		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2532	109		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
2533	109		3	5	10	10.00	LB	10M @12" STPS.	103.20
2534	109								
2535	109	H1	3	16	25	13.00	ST	8-25M DIAG.	1666.08
2536	109		3	30	10	6.34	LB	10M @4" STPS	392.57
2537	109		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2538	109		3	20	10	4.92	ST	10M @4" HORZ. EF	202.97

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2539	109		3	5	10	11.67	LB	10M @12" STPS.	120.39
2540	109								
2541	109	H3	2	8	25	12.58	ST	4-25M DIAG.	537.55
2542	109		2	30	10	6.34	LB	10M @4" STPS	261.72
2543	109		2	4	15	13.42	HB	2-C15M HORZ. T&B	111.94
2544	109		2	14	10	4.92	ST	10M @4" HORZ. EF	94.72
2545	109		2	5	10	10.00	LB	10M @12" STPS.	68.80
2546	109								
2547	109	H1	2	16	20	12.75	ST	8-20M DIAG.	612.82
2548	109		2	30	10	6.34	LB	10M @4" STPS	261.72
2549	109		2	4	15	13.42	HB	2-C15M HORZ. T&B	111.94
2550	109		2	26	10	4.92	ST	10M @4" HORZ. EF	175.91
2551	109		2	5	10	13.67	LB	10M @12" STPS.	94.02
2552	109								
2553	109	H3		8	20	13.17	HB	3-20M T&B	158.20
2554	109			12	15	17.00	LB	15M @4" STPS.	212.77
2555	109								
2556	109	H1		16	20	14.92	ST	8-20M DIAG.	358.46
2557	109			46	10	6.34	LB	10M @4" STPS	200.65
2558	109			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2559	109			36	10	4.92	ST	10M @4" HORZ. EF	121.78
2560	109			5	10	17.00	LB	10M @12" STPS.	58.48
2561	109								
2562	109	H1		8	20	10.67	HB	4-20M T&B	128.16
2563	109			12	15	42.67	LB	15M @5" STPS.	534.01
2564									
2565	109	REF:4/S-18A							
2566	108	Z8		24	30	13.17	HB	24-30M DWL.	1074.37
2567	109			24	30	15.42	ST	24-30M VERT.	1257.97
2568	109			24	30	13.25	ST	24-30M VERT.	1081.20
2569	109			24	30	14.25	ST	24-30M VERT.	1162.80
2570	109			24	30	13.25	ST	24-30M VERT.	1081.20
2571	109			6	30	17.58	HB	6-30M VERT.	358.69
2572	109			18	30	19.25	ST	18-30M VERT.	1178.10
2573	109			90	30	13.25	ST	18-30M VERT.	4054.60
2574	109			18	30	11.25	HB	18-30M VERT.	688.50
2575	109			149	15	28.49	LB	15M @5" TIES	4428.17
2576	109			142	15	23.00	LB	15M @5" TIES	3406.14
2577	109								
2578	108	Z9		6	30	13.17	HB	6-30M DWL.	268.59
2579	109			6	30	15.42	ST	6-30M VERT.	314.49
2580	109			6	30	13.25	ST	6-30M VERT.	270.30
2581	109			6	30	14.25	ST	6-30M VERT.	290.70
2582	109			18	30	7.08	HB	18-30M VERT.	433.48
2583	109			24	30	13.25	ST	24-30M VERT.	1081.20
2584	109			6	30	17.58	HB	6-30M VERT.	358.69
2585	109			18	30	19.25	ST	18-30M VERT.	1178.10

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2586	109			90	30	13.25	ST	18-30M VERT.	4054.60
2587	109			18	30	11.25	HB	18-30M VERT.	688.50
2588	109			82	15	8.25	LB	15M @5" TIES	705.50
2589	109			66	15	28.49	LB	15M @5" TIES	1961.47
2590	109			142	15	23.00	LB	15M @5" TIES	3406.14
2591	109								
2592	108	Z12		18	30	13.17	HB	18-30M DWL.	805.78
2593	109			18	30	15.42	ST	18-30M VERT.	943.48
2594	109			18	30	13.25	ST	18-30M VERT.	810.90
2595	109			18	30	14.25	ST	18-30M VERT.	872.10
2596	109			18	30	13.25	ST	18-30M VERT.	810.90
2597	109			18	30	17.58	HB	18-30M VERT.	1076.08
2598	109			128	15	25.49	LB	15M @6" TIES	3403.55
2599	109								
2600	108	W3		86	15	3.00	ST	15M @6" DWL. EF	269.09
2601	109			86	15	13.33	ST	15M @6" VERT. EF	1195.94
2602	109			86	15	11.50	ST	15M @6" VERT. EF	1031.53
2603	109			72	15	12.50	ST	15M @6" VERT. EF	938.70
2604	109			72	15	11.50	ST	15M @6" VERT. EF	863.60
2605	109			72	15	17.50	ST	15M @6" VERT. EF	1314.18
2606	109			165	20	29.83	HB	20M @5" HORZ (3)	7393.76
2607	109			105	20	29.83	HB	20M @4" HORZ (3)	4705.12
2608	109			192	20	29.83	HB	20M @5" HORZ (3)	8603.65
2609	109								
2610	109	W1		372	15	11.17	ST	15M @7" VERT. EF	4332.75
2611	109			792	15	11.34	ST	15M @7" VERT. EF	9365.00
2612	109			792	15	11.58	ST	15M @7" VERT. EF	9569.03
2613	109			316	20	29.84	HB	20M @3" HORZ. EF	14163.02
2614	109			1210	20	29.84	HB	20M @4" HORZ. EF	54231.81
2615	109								
2616	109	W3		234	15	12.58	ST	15M @8" VERT. EF	3071.28
2617	109			78	15	13.58	ST	15M @8" VERT. EF	1105.11
2618	109			72	15	13.58	ST	15M @12" VERT. EF	1020.10
2619	109			40	15	15.25	ST	15M @16" VERT. EF	636.23
2620	109			40	15	16.83	HB	15M @16" VERT. EF	702.27
2621	109			136	15	29.67	HB	15M @6" HORZ, EF	4208.06
2622	109			36	15	29.67	HB	15M @8" HORZ, EF	1113.90
2623	109			24	15	29.67	HB	15M @12" HORZ, EF	742.60
2624	109			48	15	29.67	HB	15M @16" HORZ, EF	1485.20
2625	109								
2626	109			2	25	11.33	HB	2-25M LINTEL	60.52
2627	109			8	15	9.17	HB	15M @6" U-DWL.	76.49
2628									
2629									
2630	109	REF:3/S-18A							
2631	108	Z5		40	30	13.17	HB	40-30M DWL.	1790.62
2632	109			40	30	15.42	ST	40-30M VERT.	2096.62

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2633	109			40	30	13.25	ST	40-30M VERT.	1802.00
2634	109			40	30	14.25	ST	40-30M VERT.	1938.00
2635	109			40	30	13.25	ST	40-30M VERT.	1802.00
2636	109			16	30	17.58	HB	16-30M VERT.	956.52
2637	109			48	30	19.58	ST	48-30M VERT.	3196.00
2638	109			240	30	13.25	ST	48-30M VERT.	10812.27
2639	109			30	30	13.25	ST	30-30M VERT.	1351.53
2640	109			18	30	13.25	ST	18-30M VERT.	810.92
2641	109			90	30	13.25	ST	18-30M VERT.	4054.60
2642	109			18	30	11.25	HB	18-30M VERT.	688.50
2643	109	REF:1/S-18		110	15	59.32	LB	15M @5" TIES	6806.01
2644	109	REF:8/S-18		39	15	92.00	LB	15M @5" TIES	3742.28
2645	109	REF:9/S-18		147	15	68.66	LB	15M @5" TIES	10527.02
2646	109	REF:13/S-18		66	10	25.50	LB	10M @12" TIES	1157.86
2647	109								
2648	108	Z6		40	30	13.17	HB	40-30M DWL.	1790.62
2649	109			40	30	15.42	ST	40-30M VERT.	2096.62
2650	109			40	30	13.25	ST	40-30M VERT.	1802.00
2651	109			40	30	14.25	ST	40-30M VERT.	1938.00
2652	109			40	30	13.25	ST	40-30M VERT.	1802.00
2653	109			12	30	19.58	HB	12-30M VERT.	799.00
2654	109			36	30	19.58	ST	36-30M VERT.	2397.00
2655	109			180	30	13.25	ST	36-30M VERT.	8109.20
2656	109			18	30	13.25	ST	18-30M VERT.	810.92
2657	109			18	30	13.25	ST	18-30M VERT.	810.92
2658	109			90	30	13.25	ST	18-30M VERT.	4054.60
2659	109			18	30	11.25	HB	18-30M VERT.	688.50
2660	109	REF:1/S-18		110	15	59.32	LB	15M @5" TIES	6806.01
2661	109	REF:9/S-18		39	15	68.66	LB	15M @5" TIES	2792.88
2662	109	REF:11/S-18		147	15	36.00	LB	15M @5" TIES	5518.94
2663	109	REF:13/S-18		66	10	25.50	LB	10M @12" TIES	1157.86
2664	109								
2665	108	Z11	2	16	30	13.17	HB	16-30M DWL.	1432.50
2666	109		2	16	30	15.42	ST	16-30M VERT.	1677.30
2667	109		2	16	30	13.25	ST	16-30M VERT.	1441.60
2668	109		2	16	30	14.25	ST	16-30M VERT.	1550.40
2669	109		2	16	30	13.25	ST	16-30M VERT.	1441.60
2670	109		2	92	15	20.01	LB	15M @6" TIES	3840.54
2671	109								
2672	108	Z9		12	30	10.17	HB	12-30M DWL.	414.79
2673	109			72	30	13.25	ST	12-30M VERT.	3243.68
2674	109			108	30	13.25	ST	12-30M VERT.	4865.52
2675	109			36	30	14.17	ST	12-30M VERT.	1734.04
2676	109			60	30	14.17	ST	10-30M VERT.	2890.07
2677	109			10	30	14.42	ST	10-30M VERT.	490.18
2678	109			20	25	14.42	ST	10-25M VERT.	769.87
2679	109			20	25	15.42	ST	10-25M VERT.	823.27

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2680	109			10	25	17.08	ST	10-25M VERT.	456.12
2681	109			10	25	17.33	HB	10-25M VERT.	462.80
2682	109	REF:10/S-18		127	15	15.16	LB	15M @6" TIES	2008.64
2683	109	REF:14/S-18		246	10	16.50	LB	10M @6" TIES	2792.42
2684	109	REF:18/S-18		300	10	16.50	LB	10M @6" TIES	3405.39
2685	109								
2686	108	Z10		12	30	10.17	HB	12-30M DWL.	414.79
2687	109			72	30	13.25	ST	12-30M VERT.	3243.68
2688	109			108	30	13.25	ST	12-30M VERT.	4865.52
2689	109			36	30	14.17	ST	12-30M VERT.	1734.04
2690	109			60	30	14.17	ST	10-30M VERT.	2890.07
2691	109			10	30	14.42	ST	10-30M VERT.	490.18
2692	109			10	25	12.00	HB	10-25M VERT.	320.40
2693	109	REF:10/S-18		127	15	15.16	LB	15M @6" TIES	2008.64
2694	109	REF:14/S-18		246	10	16.50	LB	10M @6" TIES	2792.42
2695	109	REF:18/S-18		168	10	16.50	LB	10M @6" TIES	1907.02
2696	109								
2697	108	Z13		10	25	5.75	HB	10-25M DWL.	153.53
2698	109			10	25	14.42	ST	10-25M VERT.	384.93
2699	109			20	25	14.42	ST	10-25M VERT.	769.87
2700	109			20	25	15.42	ST	10-25M VERT.	823.27
2701	109			10	25	17.08	ST	10-25M VERT.	456.12
2702	109			10	25	17.33	HB	10-25M VERT.	462.80
2703	109	REF:18/S-18		178	10	16.50	LB	10M @6" TIES	2020.53
2704	109								
2705	108	W1		40	15	3.00	ST	15M @5" DWL. EF	125.16
2706	109			40	15	13.33	ST	15M @5" VERT. EF	556.25
2707	109			40	15	11.50	ST	15M @5" VERT. EF	479.78
2708	109			40	15	12.50	ST	15M @5" VERT. EF	521.50
2709	109			40	15	11.50	ST	15M @5" VERT. EF	479.78
2710	109			40	15	17.50	ST	15M @5" VERT. EF	730.10
2711	109			40	15	10.50	ST	15M @5" VERT. EF	438.06
2712	109			40	15	5.17	HB	15M @5" U-DWL.	215.57
2713	109								
2714	109			52	15	3.33	ST	15M @7" VERT. EF	180.82
2715	109			156	15	11.33	ST	15M @7" VERT. EF	1844.13
2716	109			468	15	11.58	ST	15M @7" VERT. EF	5654.43
2717	109			52	15	12.58	ST	15M @7" VERT. EF	682.51
2718	109			54	15	12.58	ST	15M @7" VERT. EF	708.76
2719	109			54	15	13.58	ST	15M @7" VERT. EF	765.08
2720	109			48	15	13.58	ST	15M @8" VERT. EF	680.07
2721	109			34	15	15.25	ST	15M @12" VERT. EF	540.80
2722	109			34	15	16.83	HB	15M @12" VERT. EF	596.93
2723	109			5	15	14.00	HB	15M @12" U-DWL.	73.01
2724	109			10	15	12.00	HB	15M @12" U-DWL.	125.16
2725	109								
2726	109			162	20	29.84	HB	20M @5" HORZ (3)	7260.79

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2727	109			102	20	29.84	HB	20M @4" HORZ (3)	4571.61
2728	109			192	20	29.84	HB	20M @5" HORZ (3)	8605.38
2729	109			80	20	29.84	HB	20M @3" HORZ EF	3585.57
2730	109			54	20	29.84	HB	20M @3" HORZ EF	2420.26
2731	109			360	20	13.59	HB	20M @3" HORZ EF	7348.38
2732	109			280	20	29.84	HB	20M @4" HORZ EF	12549.51
2733	109			1760	20	13.59	HB	20M @4" HORZ EF	35925.44
2734	109			32	20	29.84	HB	20M @5" HORZ EF	1434.23
2735	109			144	20	13.59	HB	20M @5" HORZ EF	2939.35
2736	109			16	15	29.67	HB	15M @4" HORZ EF	495.07
2737	109			72	15	13.42	HB	15M @4" HORZ EF	1007.49
2738	109			20	15	29.67	HB	15M @5" HORZ EF	618.83
2739	109			72	15	13.42	HB	15M @5" HORZ EF	1007.49
2740	109			14	15	29.67	HB	15M @8" HORZ EF	433.18
2741	109			44	15	13.42	HB	15M @8" HORZ EF	615.69
2742	109			62	15	29.67	HB	15M @12" HORZ EF	1918.38
2743	109								
2744	109	H5	6	6	35	13.67	ST	6-35M DIAG. BAR	2614.06
2745	109		6	32	10	8.01	LB	10M @4" STPS	1058.09
2746	109		6	4	15	7.33	ST	2-C15M HORZ. T&B	183.56
2747	109		6	14	10	7.33	ST	10M @4" HORZ. EF	423.79
2748	109		6	5	10	9.33	LB	10M @12" STPS.	192.65
2749	109								
2750	109	H5		6	35	14.67	ST	6-35M DIAG. BAR	467.55
2751	109			32	10	8.01	LB	10M @4" STPS	176.35
2752	109			4	15	7.67	ST	2-C15M HORZ. T&B	31.99
2753	109			14	10	7.33	ST	10M @4" HORZ. EF	70.63
2754	109			5	10	9.33	LB	10M @12" STPS.	32.11
2755	109								
2756	109	H5	8	6	30	11.83	ST	6-30M DIAG. BAR	1931.15
2757	109		8	32	10	8.01	LB	10M @4" STPS	1410.79
2758	109		8	4	15	7.67	ST	2-C15M HORZ. T&B	255.89
2759	109		8	14	10	7.33	ST	10M @4" HORZ. EF	565.05
2760	109		8	5	10	9.33	LB	10M @12" STPS.	256.87
2761	109								
2762	109	H5	5	6	30	14.17	ST	6-30M DIAG. BAR	1445.03
2763	109		5	32	10	8.01	LB	10M @4" STPS	881.74
2764	109		5	4	15	8.17	ST	2-C15M HORZ. T&B	170.36
2765	109		5	14	10	7.33	ST	10M @4" HORZ. EF	353.16
2766	109		5	5	10	9.33	LB	10M @12" STPS.	160.54
2767	109								
2768	109	H5	3	6	25	12.67	ST	6-25M DIAG. BAR	608.78
2769	109		3	32	10	8.01	LB	10M @4" STPS	529.04
2770	109		3	4	15	8.17	ST	2-C15M HORZ. T&B	102.22
2771	109		3	14	10	7.33	ST	10M @4" HORZ. EF	211.89
2772	109		3	5	10	9.33	LB	10M @12" STPS.	96.33
2773	109								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2774	109	REF:4/S-17		6	25	17.42	ST	3-25M CONT. T&B	279.02
2775	109			28	15	11.83	LB	15M @4" STPS.	345.54
2776	109								
2777	109	H5	2	6	20	10.67	ST	6-20M DIAG. BAR	192.24
2778	109		2	38	10	8.01	LB	10M @4" STPS	418.83
2779	109		2	4	15	8.17	ST	2-C15M HORZ. T&B	68.15
2780	109		2	14	10	7.33	ST	10M @4" HORZ. EF	141.26
2781	109		2	5	10	9.33	LB	10M @12" STPS.	64.22
2782	109								
2783	109	H5	2	6	20	11.25	ST	6-20M DIAG. BAR	202.75
2784	109		2	40	10	8.01	LB	10M @4" STPS	440.87
2785	109		2	4	15	8.17	ST	2-C15M HORZ. T&B	68.15
2786	109		2	14	10	7.33	ST	10M @4" HORZ. EF	141.26
2787	109		2	5	10	9.33	LB	10M @12" STPS.	64.22
2788									
2789	209	LOT B							
2790	209	SHEAR WALL							
2791	209	REF:S-5, S-16, S-17, S-18, S-19							
2792	208	Z1		35	30	11.92	HB	35-30M DWL.	1418.04
2793	209			35	30	15.58	ST	35-30M VERT.	1854.42
2794	209			35	30	13.58	ST	35-30M VERT.	1616.42
2795	209			35	30	14.58	ST	35-30M VERT.	1735.42
2796	209			35	30	13.58	ST	35-30M VERT.	1616.42
2797	209			5	30	17.58	HB	5-30M VERT.	298.91
2798	209			30	30	19.58	ST	30-30M VERT.	1997.50
2799	209			120	30	13.25	ST	30-30M VERT.	5406.14
2800	209			6	30	11.25	HB	12-30M VERT.	229.50
2801	209			18	30	12.67	ST	18-30M VERT.	775.22
2802	209			18	25	12.67	ST	18-25M VERT.	608.78
2803	209			162	25	13.00	ST	18-25M VERT.	5623.02
2804	209			54	25	13.42	ST	18-25M VERT.	1934.46
2805	209			54	25	14.42	ST	18-25M VERT.	2078.64
2806	209			36	25	15.42	ST	18-25M VERT.	1481.88
2807	209			18	25	17.83	ST	18-25M VERT.	857.05
2808	209			18	25	17.58	HB	18-25M VERT.	845.04
2809	209	REF:1/S-18		150	15	46.33	LB	15M @5" TIES	7248.17
2810	209			243	20	4.84	HB	20M @3" TIES	1766.53
2811	209	REF:2/S-18		121	15	37.16	LB	15M @5" TIES	4689.96
2812	209			152	20	4.17	HB	20M @4" TIES	952.71
2813	209	REF:9/S-18		24	15	38.66	LB	15M @16" TIES	967.76
2814	209	REF:9/S-18		304	10	37.83	LB	10M @4" TIES	7912.43
2815	209	REF:9/S-18		136	10	37.83	LB	10M @4" TIES	3539.77
2816	209	REF:9/S-18		128	10	37.83	LB	10M @4" TIES	3331.55
2817	209								
2818	208	Z2	2	20	20	9.33	HB	20-20M DWL.	560.75
2819	209		2	20	20	13.83	ST	20-20M VERT.	831.11
2820	209		2	20	20	11.83	ST	20-20M VERT.	710.93

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2821	209		2	20	20	12.83	ST	20-20M VERT.	771.01
2822	209		2	20	20	11.83	ST	20-20M VERT.	710.93
2823	209		2	20	20	17.83	ST	20-20M VERT.	1071.41
2824	209		2	80	20	11.50	ST	20-20M VERT.	2763.68
2825	209		2	6	20	10.67	HB	6-20M VERT.	192.26
2826	209		2	28	20	11.50	ST	14-20M VERT.	967.29
2827	209		2	126	20	11.75	ST	14-20M VERT.	4447.42
2828	209		2	42	20	12.00	ST	14-20M VERT.	1514.02
2829	209		2	42	20	13.00	ST	14-20M VERT.	1640.18
2830	209		2	28	20	14.00	ST	14-20M VERT.	1177.57
2831	209		2	14	20	15.67	ST	14-20M VERT.	658.85
2832	209		2	14	20	17.00	HB	14-20M VERT.	714.95
2833	209	REF:3/S-18	2	271	15	27.67	LB	15M @5" TIES	15639.76
2834	209	REF:15/S-18	2	515	10	28.00	LB	10M @5" TIES	19841.92
2835	209								
2836	208	Z3		16	20	9.33	HB	16-20M DWL.	224.30
2837	209			16	20	13.83	ST	16-20M VERT.	332.44
2838	209			16	20	11.83	ST	16-20M VERT.	284.37
2839	209			16	20	12.83	ST	16-20M VERT.	308.40
2840	209			16	20	11.83	ST	16-20M VERT.	284.37
2841	209			16	20	17.83	ST	16-20M VERT.	428.56
2842	209			64	20	11.50	ST	16-20M VERT.	1105.47
2843	209			4	20	10.67	HB	4-20M VERT.	64.09
2844	209			24	20	11.50	ST	12-20M VERT.	414.55
2845	209			108	20	11.75	ST	12-20M VERT.	1906.04
2846	209			24	20	12.00	ST	12-20M VERT.	432.58
2847	209			2	20	10.67	ST	2-20M VERT.	32.04
2848	209			10	20	12.00	ST	10-20M VERT.	180.24
2849	209			30	20	13.00	ST	10-20M VERT.	585.78
2850	209			20	20	14.00	ST	10-20M VERT.	420.56
2851	209			10	20	15.67	ST	10-20M VERT.	235.30
2852	209			10	20	17.00	HB	10-20M VERT.	255.34
2853	209	REF:4/S-18		271	15	22.67	LB	15M @5" TIES	6407.18
2854	209	REF:12/S-18		515	10	23.00	LB	10M @5" TIES	8149.36
2855	209								
2856	208	Z4		28	25	10.83	HB	28-25M DWL.	809.88
2857	209			28	25	15.00	ST	28-25M VERT.	1121.40
2858	209			28	25	13.00	ST	28-25M VERT.	971.88
2859	209			28	25	14.00	ST	28-25M VERT.	1046.64
2860	209			28	25	13.00	ST	28-25M VERT.	971.88
2861	209			4	25	17.33	HB	4-25M VERT.	185.12
2862	209			24	25	19.00	ST	24-25M VERT.	1217.52
2863	209			96	25	12.67	ST	24-25M VERT.	3246.81
2864	209			8	25	11.25	HB	8-25M VERT.	240.30
2865	209			16	25	12.67	ST	16-25M VERT.	541.13
2866	209			16	25	12.67	ST	16-25M VERT.	541.13
2867	209			144	25	13.00	ST	16-25M VERT.	4998.24

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2868	209			48	25	13.42	ST	16-25M VERT.	1719.52
2869	209			42	25	14.42	ST	14-25M VERT.	1616.72
2870	209			28	25	15.42	ST	14-25M VERT.	1152.57
2871	209			14	25	17.83	ST	14-25M VERT.	666.60
2872	209			14	25	17.58	HB	14-25M VERT.	657.25
2873	209	REF:4/S-18		150	15	40.83	LB	15M @5" TIES	6388.32
2874	209	REF:7/S-18		121	15	35.33	LB	15M @5" TIES	4458.75
2875	209	REF:12/S-18		62	10	34.00	LB	10M @6" TIES	1450.47
2876	209	REF:12/S-18		108	10	34.00	LB	10M @12" TIES	2526.63
2877	209			93	10	34.00	LB	10M @12" TIES	2175.71
2878	209								
2879	208	W4		22	15	3.00	ST	15M @5" DWL. EF	68.84
2880	209			22	15	13.33	ST	15M @5" VERT. EF	305.94
2881	209			22	15	11.50	ST	15M @5" VERT. EF	263.88
2882	209			22	15	12.50	ST	15M @5" VERT. EF	286.83
2883	209			22	15	11.50	ST	15M @5" VERT. EF	263.88
2884	209			22	15	17.67	ST	15M @5" VERT. EF	405.39
2885	209			132	15	11.17	ST	15M @5" VERT. EF	1537.43
2886	209			198	15	11.33	ST	15M @5" VERT. EF	2340.63
2887	209			66	15	11.58	ST	15M @5" VERT. EF	797.42
2888	209			66	15	12.58	ST	15M @5" VERT. EF	866.26
2889	209			44	15	13.58	ST	15M @5" VERT. EF	623.40
2890	209			22	15	15.25	ST	15M @5" VERT. EF	349.93
2891	209			22	15	16.83	HB	15M @5" VERT. EF	386.25
2892	209			460	20	9.34	HB	20M @4" HORZ (4)	6453.19
2893	209			300	20	27.33	HB	20M @4" HORZ (4)	12316.70
2894	209			345	20	9.34	HB	20M @4" HORZ (3)	4839.89
2895	209			120	20	26.33	HB	20M @4" HORZ (3)	4746.44
2896	209			162	20	9.34	HB	20M @5" HORZ (3)	2272.65
2897	209			54	20	26.33	HB	20M @5" HORZ (3)	2135.90
2898	209			180	20	9.34	HB	20M @6" HORZ (3)	2525.16
2899	209			72	20	26.33	HB	20M @6" HORZ (3)	2847.86
2900	209			324	15	9.17	HB	15M @5" HORZ (3)	3097.48
2901	209			126	15	26.33	HB	15M @5" HORZ (3)	3460.76
2902	209			162	15	9.17	HB	15M @5" HORZ (3)	1548.74
2903	209			84	15	26.33	HB	15M @5" HORZ (3)	2307.17
2904	209			54	15	9.17	HB	15M @5" HORZ (3)	516.25
2905	209			36	15	26.33	HB	15M @5" HORZ (3)	988.79
2906	209			48	15	9.17	HB	15M @6" HORZ (3)	458.89
2907	209			30	15	26.33	HB	15M @6" HORZ (3)	823.99
2908	209			48	15	9.17	HB	15M @8" HORZ EF	458.89
2909	209			52	15	26.33	HB	15M @8" HORZ EF	1428.25
2910	209								
2911	208	W5		4	15	3.00	ST	15M @5" DWL. EF	12.52
2912	209			4	15	13.33	ST	15M @5" VERT. EF	55.63
2913	209			4	15	11.50	ST	15M @5" VERT. EF	47.98
2914	209			4	15	12.50	ST	15M @5" VERT. EF	52.15

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2915	209			4	15	11.50	ST	15M @5" VERT. EF	47.98
2916	209			4	15	17.67	ST	15M @5" VERT. EF	73.71
2917	209			24	15	11.17	ST	15M @5" VERT. EF	279.53
2918	209			24	15	11.33	ST	15M @5" VERT. EF	283.71
2919	209			2	15	3.33	ST	15M @5" DWL. EF	6.95
2920	209			18	15	11.33	ST	15M @5" VERT. EF	212.78
2921	209			18	15	11.58	ST	15M @5" VERT. EF	217.48
2922	209			18	15	12.58	ST	15M @7" VERT. EF	236.25
2923	209			12	15	13.58	ST	15M @7" VERT. EF	170.02
2924	209			6	15	15.25	ST	15M @6" VERT. EF	95.43
2925	209			4	15	16.83	HB	15M @12" VERT. EF	70.23
2926	209								
2927	209	H4	3	16	30	11.83	ST	8-30M DIAG.	1931.15
2928	209		3	30	10	6.34	LB	10M @4" STPS	392.57
2929	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2930	209		3	16	10	4.92	ST	10M @4" HORZ. EF	162.38
2931	209		3	5	10	10.33	LB	10M @12" STPS.	106.65
2932	209								
2933	209	H2	3	16	30	12.92	ST	8-30M DIAG.	2107.89
2934	209		3	32	10	6.34	LB	10M @4" STPS	418.74
2935	209		3	4	15	11.58	HB	2-C15M HORZ. T&B	144.97
2936	209		3	16	10	5.50	ST	10M @4" HORZ. EF	181.63
2937	209		3	6	10	10.33	LB	10M @12" STPS.	127.98
2938	209								
2939	209	H4		16	30	12.42	ST	8-30M DIAG.	675.43
2940	209			32	10	6.34	LB	10M @4" STPS	139.58
2941	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2942	209			22	10	4.92	ST	10M @4" HORZ. EF	74.42
2943	209			5	10	12.17	LB	10M @12" STPS.	41.85
2944	209								
2945	209	H2		16	30	13.92	ST	8-30M DIAG.	757.03
2946	209			36	10	6.34	LB	10M @4" STPS	157.03
2947	209			4	15	11.58	HB	2-C15M HORZ. T&B	48.32
2948	209			24	10	4.92	ST	10M @4" HORZ. EF	81.19
2949	209			5	10	11.84	LB	10M @12" STPS.	40.73
2950	209								
2951	209	H4		16	30	16.75	ST	8-30M DIAG.	911.15
2952	209			60	10	6.34	LB	10M @4" STPS	261.72
2953	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2954	209			56	10	4.92	ST	10M @4" HORZ. EF	189.44
2955	209			5	10	23.84	LB	10M @12" STPS.	82.01
2956	209								
2957	209	H2		16	30	18.67	ST	8-30M DIAG.	1015.43
2958	209			66	10	6.34	LB	10M @4" STPS	287.89
2959	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
2960	209			56	10	4.92	ST	10M @4" HORZ. EF	189.44
2961	209			5	10	23.84	LB	10M @12" STPS.	82.01

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
2962	209								
2963	209	H4	7	16	30	11.67	ST	8-30M DIAG.	4442.41
2964	209		7	30	10	6.34	LB	10M @4" STPS	916.00
2965	209		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
2966	209		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
2967	209		7	5	10	10.00	LB	10M @12" STPS.	240.80
2968	209								
2969	209	H2	7	16	30	12.00	ST	8-30M DIAG.	4569.60
2970	209		7	30	10	6.34	LB	10M @4" STPS	916.00
2971	209		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
2972	209		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
2973	209		7	5	10	10.00	LB	10M @12" STPS.	240.80
2974	209								
2975	209	H4	3	16	30	12.33	ST	8-30M DIAG.	2012.91
2976	209		3	30	10	6.34	LB	10M @4" STPS	392.57
2977	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2978	209		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
2979	209		3	5	10	10.00	LB	10M @12" STPS.	103.20
2980	209								
2981	209	H2	3	16	30	12.33	ST	8-30M DIAG.	2012.91
2982	209		3	30	10	6.34	LB	10M @4" STPS	392.57
2983	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
2984	209		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
2985	209		3	5	10	10.00	LB	10M @12" STPS.	103.20
2986	209								
2987	209	H4	6	16	25	11.17	ST	8-25M DIAG.	2862.07
2988	209		6	30	10	6.34	LB	10M @4" STPS	785.15
2989	209		6	4	15	13.42	HB	2-C15M HORZ. T&B	335.83
2990	209		6	14	10	4.92	ST	10M @4" HORZ. EF	284.16
2991	209		6	5	10	10.00	LB	10M @12" STPS.	206.40
2992	209								
2993	209	H2	6	16	30	12.33	ST	8-30M DIAG.	4025.82
2994	209		6	30	10	6.34	LB	10M @4" STPS	785.15
2995	209		6	4	15	13.42	HB	2-C15M HORZ. T&B	335.83
2996	209		6	14	10	4.92	ST	10M @4" HORZ. EF	284.16
2997	209		6	5	10	10.00	LB	10M @12" STPS.	206.40
2998	209								
2999	209	H4	3	16	25	12.00	ST	8-25M DIAG.	1537.92
3000	209		3	30	10	6.34	LB	10M @4" STPS	392.57
3001	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3002	209		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
3003	209		3	5	10	10.00	LB	10M @12" STPS.	103.20
3004	209								
3005	209	H2	3	16	25	12.17	ST	8-25M DIAG.	1559.32
3006	209		3	30	10	6.34	LB	10M @4" STPS	392.57
3007	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3008	209		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08

**ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2**

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3009	209		3	5	10	10.00	LB	10M @12" STPS.	103.20
3010	209								
3011	209	H4		8	30	12.00	ST	4-30M DIAG.	326.40
3012	209			30	10	6.34	LB	10M @4" STPS	130.86
3013	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
3014	209			14	10	4.92	ST	10M @4" HORZ. EF	47.36
3015	209			5	10	10.00	LB	10M @12" STPS.	34.40
3016	209								
3017	209	H2		16	25	12.17	ST	8-25M DIAG.	519.77
3018	209			30	10	6.34	LB	10M @4" STPS	130.86
3019	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
3020	209			14	10	4.92	ST	10M @4" HORZ. EF	47.36
3021	209			5	10	10.00	LB	10M @12" STPS.	34.40
3022	209								
3023	209	H4	3	8	25	12.58	ST	4-25M DIAG.	806.32
3024	209		3	30	10	6.34	LB	10M @4" STPS	392.57
3025	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3026	209		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
3027	209		3	5	10	10.00	LB	10M @12" STPS.	103.20
3028	209								
3029	209	H2	3	16	25	13.00	ST	8-25M DIAG.	1666.08
3030	209		3	30	10	6.34	LB	10M @4" STPS	392.57
3031	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3032	209		3	20	10	4.92	ST	10M @4" HORZ. EF	202.97
3033	209		3	5	10	11.67	LB	10M @12" STPS.	120.39
3034	209								
3035	209	H4	2	8	25	12.58	ST	4-25M DIAG.	537.55
3036	209		2	30	10	6.34	LB	10M @4" STPS	261.72
3037	209		2	4	15	13.42	HB	2-C15M HORZ. T&B	111.94
3038	209		2	14	10	4.92	ST	10M @4" HORZ. EF	94.72
3039	209		2	5	10	10.00	LB	10M @12" STPS.	68.80
3040	209								
3041	209	H2	2	16	20	12.75	ST	8-20M DIAG.	612.82
3042	209		2	30	10	6.34	LB	10M @4" STPS	261.72
3043	209		2	4	15	13.42	HB	2-C15M HORZ. T&B	111.94
3044	209		2	26	10	4.92	ST	10M @4" HORZ. EF	175.91
3045	209		2	5	10	13.67	LB	10M @12" STPS.	94.02
3046	209								
3047	209	H4		8	20	13.17	HB	3-20M T&B	158.20
3048	209			12	15	17.00	LB	15M @4" STPS.	212.77
3049	209								
3050	209	H2		16	20	14.92	ST	8-20M DIAG.	358.46
3051	209			46	10	6.34	LB	10M @4" STPS	200.65
3052	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
3053	209			36	10	4.92	ST	10M @4" HORZ. EF	121.78
3054	209			5	10	17.00	LB	10M @12" STPS.	58.48
3055	209								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3056	209	H2		8	20	10.67	HB	4-20M T&B	128.16
3057	209			12	15	42.67	LB	15M @5" STPS.	534.01
3058									
3059	209	REF:2/S-18A							
3060	208	Z1		35	30	11.92	HB	35-30M DWL.	1418.04
3061	209			35	30	15.58	ST	35-30M VERT.	1854.42
3062	209			35	30	13.58	ST	35-30M VERT.	1616.42
3063	209			35	30	14.58	ST	35-30M VERT.	1735.42
3064	209			35	30	13.58	ST	35-30M VERT.	1616.42
3065	209			5	30	17.58	HB	5-30M VERT.	298.91
3066	209			30	30	19.58	ST	30-30M VERT.	1997.50
3067	209			120	30	13.25	ST	30-30M VERT.	5406.14
3068	209			6	30	11.25	HB	12-30M VERT.	229.50
3069	209			18	30	12.67	ST	18-30M VERT.	775.22
3070	209			18	25	12.67	ST	18-25M VERT.	608.78
3071	209			162	25	13.00	ST	18-25M VERT.	5623.02
3072	209			54	25	13.42	ST	18-25M VERT.	1934.46
3073	209			54	25	14.42	ST	18-25M VERT.	2078.64
3074	209			36	25	15.42	ST	18-25M VERT.	1481.88
3075	209			18	25	17.83	ST	18-25M VERT.	857.05
3076	209			18	25	17.58	HB	18-25M VERT.	845.04
3077	209	REF:1/S-18		150	15	46.33	LB	15M @5" TIES	7248.17
3078	209			243	20	4.84	HB	20M @3" TIES	1766.53
3079	209	REF:2/S-18		121	15	37.16	LB	15M @5" TIES	4689.96
3080	209			152	20	4.17	HB	20M @4" TIES	952.71
3081	209	REF:9/S-18		24	15	38.66	LB	15M @16" TIES	967.76
3082	209	REF:9/S-18		304	10	37.83	LB	10M @4" TIES	7912.43
3083	209	REF:9/S-18		136	10	37.83	LB	10M @4" TIES	3539.77
3084	209	REF:9/S-18		128	10	37.83	LB	10M @4" TIES	3331.55
3085	209								
3086	208	Z2	2	20	20	9.33	HB	20-20M DWL.	560.75
3087	209		2	20	20	13.83	ST	20-20M VERT.	831.11
3088	209		2	20	20	11.83	ST	20-20M VERT.	710.93
3089	209		2	20	20	12.83	ST	20-20M VERT.	771.01
3090	209		2	20	20	11.83	ST	20-20M VERT.	710.93
3091	209		2	20	20	17.83	ST	20-20M VERT.	1071.41
3092	209		2	80	20	11.50	ST	20-20M VERT.	2763.68
3093	209		2	6	20	10.67	HB	6-20M VERT.	192.26
3094	209		2	28	20	11.50	ST	14-20M VERT.	967.29
3095	209		2	126	20	11.75	ST	14-20M VERT.	4447.42
3096	209		2	42	20	12.00	ST	14-20M VERT.	1514.02
3097	209		2	42	20	13.00	ST	14-20M VERT.	1640.18
3098	209		2	28	20	14.00	ST	14-20M VERT.	1177.57
3099	209		2	14	20	15.67	ST	14-20M VERT.	658.85
3100	209		2	14	20	17.00	HB	14-20M VERT.	714.95
3101	209	REF:3/S-18	2	271	15	27.67	LB	15M @5" TIES	15639.76
3102	209	REF:15/S-18	2	515	10	28.00	LB	10M @5" TIES	19841.92

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3103	209								
3104	208	Z3		16	20	9.33	HB	16-20M DWL.	224.30
3105	209			16	20	13.83	ST	16-20M VERT.	332.44
3106	209			16	20	11.83	ST	16-20M VERT.	284.37
3107	209			16	20	12.83	ST	16-20M VERT.	308.40
3108	209			16	20	11.83	ST	16-20M VERT.	284.37
3109	209			16	20	17.83	ST	16-20M VERT.	428.56
3110	209			64	20	11.50	ST	16-20M VERT.	1105.47
3111	209			4	20	10.67	HB	4-20M VERT.	64.09
3112	209			24	20	11.50	ST	12-20M VERT.	414.55
3113	209			108	20	11.75	ST	12-20M VERT.	1906.04
3114	209			24	20	12.00	ST	12-20M VERT.	432.58
3115	209			2	20	10.67	ST	2-20M VERT.	32.04
3116	209			10	20	12.00	ST	10-20M VERT.	180.24
3117	209			30	20	13.00	ST	10-20M VERT.	585.78
3118	209			20	20	14.00	ST	10-20M VERT.	420.56
3119	209			10	20	15.67	ST	10-20M VERT.	235.30
3120	209			10	20	17.00	HB	10-20M VERT.	255.34
3121	209	REF:4/S-18		271	15	22.67	LB	15M @5" TIES	6407.18
3122	209	REF:12/S-18		515	10	23.00	LB	10M @5" TIES	8149.36
3123	209								
3124	208	Z4		28	25	10.83	HB	28-25M DWL.	809.88
3125	209			28	25	15.00	ST	28-25M VERT.	1121.40
3126	209			28	25	13.00	ST	28-25M VERT.	971.88
3127	209			28	25	14.00	ST	28-25M VERT.	1046.64
3128	209			28	25	13.00	ST	28-25M VERT.	971.88
3129	209			4	25	17.33	HB	4-25M VERT.	185.12
3130	209			24	25	19.00	ST	24-25M VERT.	1217.52
3131	209			96	25	12.67	ST	24-25M VERT.	3246.81
3132	209			8	25	11.25	HB	8-25M VERT.	240.30
3133	209			16	25	12.67	ST	16-25M VERT.	541.13
3134	209			16	25	12.67	ST	16-25M VERT.	541.13
3135	209			144	25	13.00	ST	16-25M VERT.	4998.24
3136	209			48	25	13.42	ST	16-25M VERT.	1719.52
3137	209			42	25	14.42	ST	14-25M VERT.	1616.72
3138	209			28	25	15.42	ST	14-25M VERT.	1152.57
3139	209			14	25	17.83	ST	14-25M VERT.	666.60
3140	209			14	25	17.58	HB	14-25M VERT.	657.25
3141	209	REF:4/S-18		150	15	40.83	LB	15M @5" TIES	6388.32
3142	209	REF:7/S-18		121	15	35.33	LB	15M @5" TIES	4458.75
3143	209	REF:12/S-18		62	10	34.00	LB	10M @6" TIES	1450.47
3144	209	REF:12/S-18		108	10	34.00	LB	10M @12" TIES	2526.63
3145	209			93	10	34.00	LB	10M @12" TIES	2175.71
3146	209								
3147	208	W4		22	15	3.00	ST	15M @5" DWL. EF	68.84
3148	209			22	15	13.33	ST	15M @5" VERT. EF	305.94
3149	209			22	15	11.50	ST	15M @5" VERT. EF	263.88

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3150	209			22	15	12.50	ST	15M @5" VERT. EF	286.83
3151	209			22	15	11.50	ST	15M @5" VERT. EF	263.88
3152	209			22	15	17.67	ST	15M @5" VERT. EF	405.39
3153	209			132	15	11.17	ST	15M @5" VERT. EF	1537.43
3154	209			198	15	11.33	ST	15M @5" VERT. EF	2340.63
3155	209			66	15	11.58	ST	15M @5" VERT. EF	797.42
3156	209			66	15	12.58	ST	15M @5" VERT. EF	866.26
3157	209			44	15	13.58	ST	15M @5" VERT. EF	623.40
3158	209			22	15	15.25	ST	15M @5" VERT. EF	349.93
3159	209			22	15	16.83	HB	15M @5" VERT. EF	386.25
3160	209			460	20	9.34	HB	20M @4" HORZ (4)	6453.19
3161	209			300	20	27.33	HB	20M @4" HORZ (4)	12316.70
3162	209			345	20	9.34	HB	20M @4" HORZ (3)	4839.89
3163	209			120	20	26.33	HB	20M @4" HORZ (3)	4746.44
3164	209			162	20	9.34	HB	20M @5" HORZ (3)	2272.65
3165	209			54	20	26.33	HB	20M @5" HORZ (3)	2135.90
3166	209			180	20	9.34	HB	20M @6" HORZ (3)	2525.16
3167	209			72	20	26.33	HB	20M @6" HORZ (3)	2847.86
3168	209			324	15	9.17	HB	15M @5" HORZ (3)	3097.48
3169	209			126	15	26.33	HB	15M @5" HORZ (3)	3460.76
3170	209			162	15	9.17	HB	15M @5" HORZ (3)	1548.74
3171	209			84	15	26.33	HB	15M @5" HORZ (3)	2307.17
3172	209			54	15	9.17	HB	15M @5" HORZ (3)	516.25
3173	209			36	15	26.33	HB	15M @5" HORZ (3)	988.79
3174	209			48	15	9.17	HB	15M @6" HORZ (3)	458.89
3175	209			30	15	26.33	HB	15M @6" HORZ (3)	823.99
3176	209			48	15	9.17	HB	15M @8" HORZ EF	458.89
3177	209			52	15	26.33	HB	15M @8" HORZ EF	1428.25
3178	209								
3179	208	W5		4	15	3.00	ST	15M @5" DWL. EF	12.52
3180	209			4	15	13.33	ST	15M @5" VERT. EF	55.63
3181	209			4	15	11.50	ST	15M @5" VERT. EF	47.98
3182	209			4	15	12.50	ST	15M @5" VERT. EF	52.15
3183	209			4	15	11.50	ST	15M @5" VERT. EF	47.98
3184	209			4	15	17.67	ST	15M @5" VERT. EF	73.71
3185	209			24	15	11.17	ST	15M @5" VERT. EF	279.53
3186	209			24	15	11.33	ST	15M @5" VERT. EF	283.71
3187	209			2	15	3.33	ST	15M @5" DWL. EF	6.95
3188	209			18	15	11.33	ST	15M @5" VERT. EF	212.78
3189	209			18	15	11.58	ST	15M @5" VERT. EF	217.48
3190	209			18	15	12.58	ST	15M @7" VERT. EF	236.25
3191	209			12	15	13.58	ST	15M @7" VERT. EF	170.02
3192	209			6	15	15.25	ST	15M @6" VERT. EF	95.43
3193	209			4	15	16.83	HB	15M @12" VERT. EF	70.23
3194	209								
3195	209	H4	3	16	30	11.83	ST	8-30M DIAG.	1931.15
3196	209		3	30	10	6.34	LB	10M @4" STPS	392.57

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3197	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3198	209		3	16	10	4.92	ST	10M @4" HORZ. EF	162.38
3199	209		3	5	10	10.33	LB	10M @12" STPS.	106.65
3200	209								
3201	209	H2	3	16	30	12.92	ST	8-30M DIAG.	2107.89
3202	209		3	32	10	6.34	LB	10M @4" STPS	418.74
3203	209		3	4	15	11.58	HB	2-C15M HORZ. T&B	144.97
3204	209		3	16	10	5.50	ST	10M @4" HORZ. EF	181.63
3205	209		3	6	10	10.33	LB	10M @12" STPS.	127.98
3206	209								
3207	209	H4		16	30	12.42	ST	8-30M DIAG.	675.43
3208	209			32	10	6.34	LB	10M @4" STPS	139.58
3209	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
3210	209			22	10	4.92	ST	10M @4" HORZ. EF	74.42
3211	209			5	10	12.17	LB	10M @12" STPS.	41.85
3212	209								
3213	209	H2		16	30	13.92	ST	8-30M DIAG.	757.03
3214	209			36	10	6.34	LB	10M @4" STPS	157.03
3215	209			4	15	11.58	HB	2-C15M HORZ. T&B	48.32
3216	209			24	10	4.92	ST	10M @4" HORZ. EF	81.19
3217	209			5	10	11.84	LB	10M @12" STPS.	40.73
3218	209								
3219	209	H4		16	30	16.75	ST	8-30M DIAG.	911.15
3220	209			60	10	6.34	LB	10M @4" STPS	261.72
3221	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
3222	209			56	10	4.92	ST	10M @4" HORZ. EF	189.44
3223	209			5	10	23.84	LB	10M @12" STPS.	82.01
3224	209								
3225	209	H2		16	30	18.67	ST	8-30M DIAG.	1015.43
3226	209			66	10	6.34	LB	10M @4" STPS	287.89
3227	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
3228	209			56	10	4.92	ST	10M @4" HORZ. EF	189.44
3229	209			5	10	23.84	LB	10M @12" STPS.	82.01
3230	209								
3231	209	H4	7	16	30	11.67	ST	8-30M DIAG.	4442.41
3232	209		7	30	10	6.34	LB	10M @4" STPS	916.00
3233	209		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
3234	209		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
3235	209		7	5	10	10.00	LB	10M @12" STPS.	240.80
3236	209								
3237	209	H2	7	16	30	12.00	ST	8-30M DIAG.	4569.60
3238	209		7	30	10	6.34	LB	10M @4" STPS	916.00
3239	209		7	4	15	13.42	HB	2-C15M HORZ. T&B	391.80
3240	209		7	14	10	4.92	ST	10M @4" HORZ. EF	331.52
3241	209		7	5	10	10.00	LB	10M @12" STPS.	240.80
3242	209								
3243	209	H4	3	16	30	12.33	ST	8-30M DIAG.	2012.91

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3244	209		3	30	10	6.34	LB	10M @4" STPS	392.57
3245	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3246	209		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
3247	209		3	5	10	10.00	LB	10M @12" STPS.	103.20
3248	209								
3249	209	H2	3	16	30	12.33	ST	8-30M DIAG.	2012.91
3250	209		3	30	10	6.34	LB	10M @4" STPS	392.57
3251	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3252	209		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
3253	209		3	5	10	10.00	LB	10M @12" STPS.	103.20
3254	209								
3255	209	H4	6	16	25	11.17	ST	8-25M DIAG.	2862.07
3256	209		6	30	10	6.34	LB	10M @4" STPS	785.15
3257	209		6	4	15	13.42	HB	2-C15M HORZ. T&B	335.83
3258	209		6	14	10	4.92	ST	10M @4" HORZ. EF	284.16
3259	209		6	5	10	10.00	LB	10M @12" STPS.	206.40
3260	209								
3261	209	H2	6	16	30	12.33	ST	8-30M DIAG.	4025.82
3262	209		6	30	10	6.34	LB	10M @4" STPS	785.15
3263	209		6	4	15	13.42	HB	2-C15M HORZ. T&B	335.83
3264	209		6	14	10	4.92	ST	10M @4" HORZ. EF	284.16
3265	209		6	5	10	10.00	LB	10M @12" STPS.	206.40
3266	209								
3267	209	H4	3	16	25	12.00	ST	8-25M DIAG.	1537.92
3268	209		3	30	10	6.34	LB	10M @4" STPS	392.57
3269	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3270	209		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
3271	209		3	5	10	10.00	LB	10M @12" STPS.	103.20
3272	209								
3273	209	H2	3	16	25	12.17	ST	8-25M DIAG.	1559.32
3274	209		3	30	10	6.34	LB	10M @4" STPS	392.57
3275	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3276	209		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
3277	209		3	5	10	10.00	LB	10M @12" STPS.	103.20
3278	209								
3279	209	H4		8	30	12.00	ST	4-30M DIAG.	326.40
3280	209			30	10	6.34	LB	10M @4" STPS	130.86
3281	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
3282	209			14	10	4.92	ST	10M @4" HORZ. EF	47.36
3283	209			5	10	10.00	LB	10M @12" STPS.	34.40
3284	209								
3285	209	H2		16	25	12.17	ST	8-25M DIAG.	519.77
3286	209			30	10	6.34	LB	10M @4" STPS	130.86
3287	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
3288	209			14	10	4.92	ST	10M @4" HORZ. EF	47.36
3289	209			5	10	10.00	LB	10M @12" STPS.	34.40
3290	209								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3291	209	H4	3	8	25	12.58	ST	4-25M DIAG.	806.32
3292	209		3	30	10	6.34	LB	10M @4" STPS	392.57
3293	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3294	209		3	14	10	4.92	ST	10M @4" HORZ. EF	142.08
3295	209		3	5	10	10.00	LB	10M @12" STPS.	103.20
3296	209								
3297	209	H2	3	16	25	13.00	ST	8-25M DIAG.	1666.08
3298	209		3	30	10	6.34	LB	10M @4" STPS	392.57
3299	209		3	4	15	13.42	HB	2-C15M HORZ. T&B	167.91
3300	209		3	20	10	4.92	ST	10M @4" HORZ. EF	202.97
3301	209		3	5	10	11.67	LB	10M @12" STPS.	120.39
3302	209								
3303	209	H4	2	8	25	12.58	ST	4-25M DIAG.	537.55
3304	209		2	30	10	6.34	LB	10M @4" STPS	261.72
3305	209		2	4	15	13.42	HB	2-C15M HORZ. T&B	111.94
3306	209		2	14	10	4.92	ST	10M @4" HORZ. EF	94.72
3307	209		2	5	10	10.00	LB	10M @12" STPS.	68.80
3308	209								
3309	209	H2	2	16	20	12.75	ST	8-20M DIAG.	612.82
3310	209		2	30	10	6.34	LB	10M @4" STPS	261.72
3311	209		2	4	15	13.42	HB	2-C15M HORZ. T&B	111.94
3312	209		2	26	10	4.92	ST	10M @4" HORZ. EF	175.91
3313	209		2	5	10	13.67	LB	10M @12" STPS.	94.02
3314	209								
3315	209	H4		8	20	13.17	HB	3-20M T&B	158.20
3316	209			12	15	17.00	LB	15M @4" STPS.	212.77
3317	209								
3318	209	H2		16	20	14.92	ST	8-20M DIAG.	358.46
3319	209			46	10	6.34	LB	10M @4" STPS	200.65
3320	209			4	15	13.42	HB	2-C15M HORZ. T&B	55.97
3321	209			36	10	4.92	ST	10M @4" HORZ. EF	121.78
3322	209			5	10	17.00	LB	10M @12" STPS.	58.48
3323	209								
3324	209	H2		8	20	10.67	HB	4-20M T&B	128.16
3325	209			12	15	42.67	LB	15M @5" STPS.	534.01
3326									
3327	209	REF:4/S-18A							
3328	208	Z8		12	25	10.83	HB	12-25M DWL.	347.09
3329	209			12	25	15.00	ST	12-25M VERT.	480.60
3330	209			12	25	13.00	ST	12-25M VERT.	416.52
3331	209			12	25	14.00	ST	12-25M VERT.	448.56
3332	209			12	25	11.33	ST	12-25M VERT.	363.11
3333	209	REF:6/S-18		138	10	19.33	LB	10M @4" TIES	1835.65
3334	209								
3335	208	W3		102	15	3.00	ST	15M @6" DWL. EF	319.16
3336	209			102	15	13.50	ST	15M @6" VERT. EF	1436.21
3337	209			102	15	11.50	ST	15M @6" VERT. EF	1223.44

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3338	209			102	15	12.50	ST	15M @6" VERT. EF	1329.83
3339	209			120	15	11.50	ST	15M @5" VERT. EF	1439.34
3340	209			120	15	17.50	ST	15M @5" VERT. EF	2190.30
3341	209			456	15	11.17	ST	15M @8" VERT. EF	5311.11
3342	209			912	15	11.33	ST	15M @8" VERT. EF	10781.08
3343	209			152	15	12.33	ST	15M @8" VERT. EF	1955.38
3344	209			62	15	12.33	ST	15M @10" VERT. EF	797.59
3345	209			52	15	13.33	ST	15M @12" VERT. EF	723.18
3346	209			42	15	13.33	ST	15M @15" VERT. EF	584.11
3347	209			42	15	15.00	ST	15M @15" VERT. EF	657.09
3348	209			42	15	16.83	ST	15M @15" VERT. EF	737.39
3349	209	DL1		440	20	5.42	ST	20Mx5'-5" @7" DWL.	3579.99
3350	209	DL2		88	20	5.42	ST	20Mx8'-6" @7" DWL.	716.00
3351	209								
3352	209			110	20	29.84	HB	20M @5" HORZ. EF	4930.16
3353	209			81	20	29.84	HB	20M @5" HORZ. (3)	3630.39
3354	209			372	20	29.84	HB	20M @5" HORZ. EF	16672.92
3355	209			528	15	29.67	HB	15M @6" HORZ. EF	16337.18
3356	209			68	15	29.67	HB	15M @8" HORZ. EF	2104.03
3357	209			28	15	29.67	HB	15M @10" HORZ. EF	866.37
3358	209			26	15	29.67	HB	15M @12" HORZ. EF	804.48
3359	209			70	15	29.67	HB	15M @15" HORZ. EF	2165.91
3360	209			360	10	4.58	HB	10M @60" SPREADER	1135.12
3361	209								
3362	209	REF:3/S-18							
3363	208	Z8	2	16	25	10.83	HB	16-25M DWL.	925.57
3364	209		2	16	25	15.00	ST	16-25M VERT.	1281.60
3365	209		2	16	25	13.00	ST	16-25M VERT.	1110.72
3366	209		2	16	25	14.00	ST	16-25M VERT.	1196.16
3367	209		2	16	25	10.00	ST	16-25M VERT.	854.40
3368	209	REF:5/S-18	2	138	10	19.33	LB	10M @4" TIES	3671.29
3369	209								
3370	208	Z5		12	25	9.33	HB	12-25M DWL.	299.03
3371	209			60	25	12.67	ST	12-25M VERT.	2029.32
3372	209			130	25	13.42	ST	10-25M VERT.	4657.04
3373	209			10	25	14.42	ST	10-25M VERT.	384.93
3374	209			10	25	10.67	ST	10-25M VERT.	284.81
3375	209	REF:8/S-18		155	10	19.33	LB	10M @4" TIES	2061.78
3376	209	REF:10/S-18		310	10	14.67	LB	10M @6" TIES	3128.60
3377	209								
3378	208	Z6		12	25	9.33	HB	12-25M DWL.	299.03
3379	209			60	25	12.67	ST	12-25M VERT.	2029.32
3380	209			130	25	13.42	ST	10-25M VERT.	4657.04
3381	209			12	30	15.17	ST	12-30M VERT.	618.81
3382	209			12	30	15.17	ST	12-30M VERT.	618.81
3383	209			24	30	6.08	HB	12-30M DWL.	496.37
3384	209			20	25	15.42	ST	10-25M VERT.	823.27

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3385	209			10	25	17.08	ST	10-25M VERT.	456.12
3386	209			10	25	17.33	HB	10-25M VERT.	462.79
3387	209	REF:8/S-18		155	10	19.33	LB	10M @4" TIES	2061.78
3388	209	REF:10/S-18		432	10	14.67	LB	10M @6" TIES	4359.86
3389	209								
3390	208	Z7		10	25	5.75	HB	10-25M DWL.	153.53
3391	209			30	25	14.42	ST	10-25M VERT.	1154.80
3392	209			20	25	15.42	ST	10-25M VERT.	823.27
3393	209			10	25	17.08	ST	10-25M VERT.	456.12
3394	209			10	25	17.33	HB	10-25M VERT.	462.79
3395	209	REF:10/S-18		178	10	14.67	LB	10M @6" TIES	1796.42
3396	209								
3397	208	W1		116	15	3.00	ST	15M @5" DWL. EF	362.96
3398	209			116	15	13.50	ST	15M @5" VERT. EF	1633.34
3399	209			116	15	11.50	ST	15M @5" VERT. EF	1391.36
3400	209			116	15	12.50	ST	15M @5" VERT. EF	1512.35
3401	209			116	15	11.50	ST	15M @5" VERT. EF	1391.36
3402	209			116	15	17.50	ST	15M @5" VERT. EF	2117.29
3403	209			400	15	11.17	ST	15M @7" VERT. EF	4658.87
3404	209			240	15	11.33	ST	15M @7" VERT. EF	2837.13
3405	209			1160	15	11.33	ST	15M @5" VERT. EF	13712.78
3406	209			232	15	12.58	ST	15M @5" VERT. EF	3045.03
3407	209			80	15	12.58	ST	15M @7" VERT. EF	1050.01
3408	209			80	15	13.58	ST	15M @7" VERT. EF	1133.45
3409	209			64	15	13.58	ST	15M @9" VERT. EF	906.76
3410	209			50	15	15.25	ST	15M @12" VERT. EF	795.29
3411	209			50	15	16.83	ST	15M @12" VERT. EF	877.84
3412	209			110	20	29.84	HB	20M @5" HORZ. EF	4930.16
3413	209			68	20	29.84	HB	20M @4" HORZ. EF	3047.74
3414	209			370	20	29.84	HB	20M @5" HORZ. EF	16583.28
3415	209			124	20	29.84	HB	20M @6" HORZ. EF	5557.64
3416	209			1016	15	29.67	HB	15M @5" HORZ. EF	31436.70
3417	209			92	15	29.67	HB	15M @6" HORZ. EF	2846.63
3418	209			32	15	29.67	HB	15M @9" HORZ. EF	990.13
3419	209			64	15	29.67	HB	15M @12" HORZ. EF	1980.26
3420	209			360	10	4.67	LB	10M @60" SPREADER	1155.92
3421	209								
3422	209	H5	7	6	30	12.67	ST	6-30M DIAG. BAR	1808.85
3423	209		7	32	10	8.01	LB	10M @4" STPS	1234.44
3424	209		7	4	15	7.67	ST	2-C15M HORZ. T&B	223.91
3425	209		7	14	10	7.33	ST	10M @4" HORZ. EF	494.42
3426	209		7	5	10	9.33	LB	10M @12" STPS.	224.76
3427	209								
3428	209	H5	5	6	30	13.00	ST	6-30M DIAG. BAR	1326.10
3429	209		5	32	10	8.01	LB	10M @4" STPS	881.74
3430	209		5	4	15	8.17	ST	2-C15M HORZ. T&B	170.36
3431	209		5	14	10	7.33	ST	10M @4" HORZ. EF	353.16

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3432	209		5	5	10	9.33	LB	10M @12" STPS.	160.54
3433	209								
3434	209	H5	6	6	25	11.83	ST	6-25M DIAG. BAR	1137.39
3435	209		6	32	10	8.01	LB	10M @4" STPS	1058.09
3436	209		6	4	15	8.17	ST	2-C15M HORZ. T&B	204.44
3437	209		6	14	10	7.33	ST	10M @4" HORZ. EF	423.79
3438	209		6	5	10	9.33	LB	10M @12" STPS.	192.65
3439	209								
3440	209	REF:4/S-17		6	25	17.42	ST	3-25M CONT. T&B	279.02
3441	209			28	15	11.83	LB	15M @4" STPS.	345.54
3442	209								
3443	209	H5	2	6	20	10.67	ST	6-20M DIAG. BAR	192.24
3444	209		2	38	10	8.01	LB	10M @4" STPS	418.83
3445	209		2	4	15	8.17	ST	2-C15M HORZ. T&B	68.15
3446	209		2	14	10	7.33	ST	10M @4" HORZ. EF	141.26
3447	209		2	5	10	9.33	LB	10M @12" STPS.	64.22
3448	209								
3449	209	H5	2	6	20	11.25	ST	6-20M DIAG. BAR	202.75
3450	209		2	40	10	8.01	LB	10M @4" STPS	440.87
3451	209		2	4	15	8.17	ST	2-C15M HORZ. T&B	68.15
3452	209		2	14	10	7.33	ST	10M @4" HORZ. EF	141.26
3453	209		2	5	10	9.33	LB	10M @12" STPS.	64.22
3454									
3455									
3456	207	CONCRETE COLUMN							
3457	207	REF:S5							
3458	206	ZC1	2	16	30	8.00	HB	16-30M DWL.	870.40
3459	207		2	16	30	15.92	HB	16-30M VERT.	1731.77
3460	207		2	16	30	11.58	HB	16-30M VERT.	1260.23
3461	207		2	55	10	33.00	LB	10M @6" TIES	2497.59
3462	207								
3463	206	ZC1		16	30	8.00	HB	16-30M DWL.	435.20
3464	207			16	30	15.92	HB	16-30M VERT.	865.88
3465	207			16	30	13.92	HB	16-30M VERT.	757.08
3466	207			16	30	14.92	HB	16-30M VERT.	811.48
3467	207			16	30	13.92	HB	16-30M VERT.	757.08
3468	207			16	30	17.58	HB	16-30M VERT.	956.52
3469	207			153	10	33.00	LB	10M @6" TIES	3473.92
3470	207								
3471	206	ZC2	3	10	30	8.50	HB	10-30M DWL.	867.00
3472	207		3	10	30	15.92	HB	10-30M VERT.	1623.53
3473	207		3	10	30	11.58	HB	10-30M VERT.	1181.47
3474	207		3	55	10	15.42	LB	10M @6" TIES	1749.91
3475	207								
3476	206	ZC3		12	30	8.50	HB	12-30M DWL.	346.80
3477	207			12	30	15.92	HB	12-30M VERT.	649.41
3478	207			12	30	11.58	HB	12-30M VERT.	472.59

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3479	207			55	10	21.50	LB	10M @6" TIES	813.48
3480	207								
3481	206	P2C2	2	12	20	7.67	HB	12-20M DWL.	276.34
3482	207		2	12	20	14.08	HB	12-20M VERT.	507.66
3483	207		2	12	20	11.00	HB	12-20M VERT.	396.53
3484	207		2	41	10	18.75	LB	10M @9" TIES	1057.69
3485	207								
3486	206	P2C3		12	30	8.00	HB	12-30M DWL.	326.40
3487	207			12	30	15.92	HB	12-30M VERT.	649.41
3488	207			12	30	11.58	HB	12-30M VERT.	472.59
3489	207			32	15	24.83	LB	15M @12" TIES	828.73
3490	207								
3491	206	P2C7		12	25	7.67	HB	12-25M DWL.	245.62
3492	207			12	25	15.33	HB	12-25M VERT.	491.27
3493	207			12	25	11.33	HB	12-25M VERT.	363.11
3494	207			32	10	29.00	LB	10M @12" TIES	638.42
3495	207								
3496	206	P2C2	14	12	20	6.17	HB	12-20M DWL.	1555.90
3497	207		14	12	20	14.08	HB	12-20M VERT.	3553.65
3498	207		14	12	20	12.08	HB	12-20M VERT.	3048.98
3499	207		14	12	20	13.08	HB	12-20M VERT.	3301.31
3500	207		14	12	20	12.08	HB	12-20M VERT.	3048.98
3501	207		14	12	20	17.00	HB	12-20M VERT.	4289.71
3502	207		14	113	10	18.75	LB	10M @9" TIES	20405.62
3503	207								
3504	206	P2C3	3	12	30	12.00	HB	12-30M DWL.	1468.80
3505	207		3	12	30	15.92	HB	12-30M VERT.	1948.24
3506	207		3	12	30	13.92	HB	12-30M VERT.	1703.44
3507	207		3	12	30	14.92	HB	12-30M VERT.	1825.84
3508	207		3	12	30	13.92	HB	12-30M VERT.	1703.44
3509	207		3	12	30	17.58	HB	12-30M VERT.	2152.16
3510	207		3	95	15	24.83	LB	15M @12" TIES	7380.84
3511	207								
3512	206	P2C3		12	30	9.17	HB	12-30M DWL.	374.01
3513	207			12	30	15.92	HB	12-30M VERT.	649.41
3514	207			12	30	13.92	HB	12-30M VERT.	567.81
3515	207			12	30	14.92	HB	12-30M VERT.	608.61
3516	207			12	30	13.92	HB	12-30M VERT.	567.81
3517	207			12	30	17.58	HB	12-30M VERT.	717.39
3518	207			95	15	24.83	LB	15M @12" TIES	2460.28
3519	207								
3520	206	P2C4	2	12	30	12.00	HB	12-30M DWL.	979.20
3521	207		2	12	30	15.92	HB	12-30M VERT.	1298.83
3522	207		2	12	30	13.92	HB	12-30M VERT.	1135.63
3523	207		2	12	30	14.92	HB	12-30M VERT.	1217.23
3524	207		2	12	30	13.92	HB	12-30M VERT.	1135.63
3525	207		2	12	30	17.58	HB	12-30M VERT.	1434.77

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3526	207		2	95	10	23.33	LB	10M @12" TIES	3049.96
3527	207								
3528	206	P2C5	4	12	30	9.67	HB	12-30M DWL.	1577.65
3529	207		4	12	30	15.92	HB	12-30M VERT.	2597.65
3530	207		4	12	30	13.92	HB	12-30M VERT.	2271.25
3531	207		4	12	30	14.92	HB	12-30M VERT.	2434.45
3532	207		4	12	30	13.92	HB	12-30M VERT.	2271.25
3533	207		4	12	30	17.58	HB	12-30M VERT.	2869.55
3534	207		4	95	10	31.33	LB	10M @12" TIES	8191.44
3535	207								
3536	206	P2C5	2	16	30	9.67	HB	16-30M DWL.	1051.77
3537	207		2	16	30	15.92	HB	16-30M VERT.	1731.77
3538	207		2	16	30	13.92	HB	16-30M VERT.	1514.17
3539	207		2	16	30	14.92	HB	16-30M VERT.	1622.97
3540	207		2	16	30	13.92	HB	16-30M VERT.	1514.17
3541	207		2	16	30	17.58	HB	16-30M VERT.	1913.03
3542	207		2	95	10	41.33	LB	10M @12" TIES	5402.92
3543	207								
3544	206	P2C4	2	12	30	6.50	HB	12-30M DWL.	530.40
3545	207		2	12	30	14.92	HB	12-30M VERT.	1217.23
3546	207		2	12	30	13.92	HB	12-30M VERT.	1135.63
3547	207		2	12	30	17.58	HB	12-30M VERT.	1434.77
3548	207		2	59	10	23.33	LB	10M @12" TIES	1894.19
3549	207								
3550	206	30" DIA.	3	10	20	4.67	HB	10-20M DWL.	210.25
3551	207		3	10	20	13.08	HB	10-20M VERT.	589.52
3552	207		3	10	20	12.08	HB	10-20M VERT.	544.46
3553	207		3	10	20	17.00	HB	10-20M VERT.	766.02
3554	207		3	59	10	8.83	LB	10M @12" TIES	1075.65
3555	207								
3556	206	10"x16"	11	4	20	4.67	HB	4-20M DWL.	308.37
3557	207		11	4	20	13.08	HB	4-20M VERT.	864.63
3558	207		11	4	20	12.08	HB	4-20M VERT.	798.54
3559	207		11	4	20	17.00	HB	4-20M VERT.	1123.50
3560	207		11	59	10	5.33	LB	10M @12" TIES	2380.80
3561	207								
3562	207	REF:S-19							
3563	206	C1	4	12	35	10.08	HB	12-35M DWL.	2571.41
3564	207		4	12	35	13.25	HB	12-35M VERT.	3379.15
3565	207		4	60	30	13.25	HB	12-30M VERT.	10812.27
3566	207		4	72	25	13.00	HB	8-25M VERT.	9996.48
3567	207		4	24	25	13.42	HB	8-25M VERT.	3439.05
3568	207		4	24	25	14.42	HB	8-25M VERT.	3695.37
3569	207		4	16	25	15.42	HB	8-25M VERT.	2634.46
3570	207		4	8	25	17.08	HB	8-25M VERT.	1459.60
3571	207		4	8	25	17.33	HB	8-25M VERT.	1480.96
3572	207		4	21	10	21.66	LB	10M @8" TIES	1252.01

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3573	207		4	90	10	21.66	LB	10M @10" TIES	5365.74
3574	207		4	259	10	16.66	LB	10M @12" TIES	11877.57
3575	207								
3576	206	C2	6	12	35	10.08	HB	12-35M DWL.	3857.11
3577	207		6	72	35	13.92	HB	12-35M VERT.	31942.52
3578	207		6	96	25	13.58	HB	12-30M VERT.	20891.11
3579	207		6	32	25	13.42	HB	8-25M VERT.	6878.09
3580	207		6	24	25	14.42	HB	8-25M VERT.	5543.05
3581	207		6	16	25	15.42	HB	8-25M VERT.	3951.69
3582	207		6	8	25	17.08	HB	8-25M VERT.	2189.40
3583	207		6	8	25	17.33	HB	8-25M VERT.	2221.44
3584	207		6	109	10	21.66	LB	10M @8" TIES	9747.76
3585	207		6	102	10	21.66	LB	10M @12" TIES	9121.76
3586	207		6	157	10	16.66	LB	10M @12" TIES	10799.87
3587	207								
3588	206	C3	4	12	30	9.17	HB	8-30M DWL.	1495.95
3589	207		4	72	30	13.25	HB	8-30M VERT.	12974.73
3590	207		4	96	25	13.00	HB	8-25M VERT.	13328.64
3591	207		4	32	20	12.00	HB	8-20M VERT.	2307.07
3592	207		4	24	20	13.00	HB	8-20M VERT.	1874.50
3593	207		4	16	20	14.00	HB	8-20M VERT.	1345.79
3594	207		4	8	20	15.67	HB	8-20M VERT.	752.97
3595	207		4	8	20	17.00	HB	8-20M VERT.	817.09
3596	207		4	139	10	6.25	LB	10M @6" TIES	2390.80
3597	207		4	102	10	6.25	LB	10M @12" TIES	1754.40
3598	207		4	157	10	6.25	LB	10M @12" TIES	2700.40
3599	207								
3600	206	C4	4	12	30	9.17	HB	12-30M DWL.	1495.95
3601	207		4	36	30	13.25	HB	12-30M VERT.	6487.20
3602	207		4	36	25	12.67	HB	10-25M VERT.	4870.21
3603	207		4	120	20	12.00	HB	10-20M VERT.	8651.52
3604	207		4	30	20	13.00	HB	10-20M VERT.	2343.12
3605	207		4	20	20	14.00	HB	10-20M VERT.	1682.24
3606	207		4	10	20	15.67	HB	10-20M VERT.	941.21
3607	207		4	10	20	17.00	HB	10-20M VERT.	1021.36
3608	207		4	57	10	18.33	LB	10M @8" TIES	2875.63
3609	207		4	297	10	15.50	LB	10M @12" TIES	12666.38
3610	207								
3611	206	C5	4	14	35	10.08	HB	14-35M DWL.	2999.97
3612	207		4	14	35	12.67	HB	14-35M VERT.	3768.79
3613	207		4	204	25	13.17	HB	12-25M VERT.	28687.21
3614	207		4	36	25	14.42	HB	12-25M VERT.	5543.05
3615	207		4	24	25	15.42	HB	12-25M VERT.	3951.69
3616	207		4	12	25	17.08	HB	12-25M VERT.	2189.36
3617	207		4	12	25	17.33	HB	12-25M VERT.	2221.01
3618	207		4	18	10	25.16	LB	10M @10" TIES	1246.13
3619	207		4	324	10	21.50	LB	10M @12" TIES	19168.65

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3620	207								
3621	206	C6	2	14	30	9.17	HB	14-30M DWL.	872.60
3622	207		2	252	30	13.67	HB	14-30M VERT.	23419.77
3623	207		2	42	30	15.17	HB	14-30M VERT.	4331.70
3624	207		2	28	30	16.17	HB	14-30M VERT.	3078.20
3625	207		2	14	30	17.83	HB	14-30M VERT.	1697.70
3626	207		2	14	30	17.58	HB	14-30M VERT.	1673.90
3627	207		2	467	10	22.17	LB	10M @8" TIES	14243.05
3628	207								
3629	206	C7	2	14	30	9.17	HB	14-30M DWL.	872.60
3630	207		2	84	30	13.25	HB	14-30M VERT.	7568.40
3631	207		2	140	25	13.00	HB	14-25M VERT.	9718.80
3632	207		2	28	20	12.00	HB	14-20M VERT.	1009.34
3633	207		2	42	20	13.00	HB	14-20M VERT.	1640.18
3634	207		2	28	20	14.00	HB	14-20M VERT.	1177.57
3635	207		2	14	20	15.67	HB	14-20M VERT.	658.85
3636	207		2	14	20	17.00	HB	14-20M VERT.	714.95
3637	207		2	390	10	24.67	LB	10M @10" TIES	13236.23
3638									
3639	107	LOT A							
3640	107	REF:S-19							
3641	106	C1	2	12	35	11.08	HB	12-35M DWL.	1413.22
3642	107		2	12	35	13.25	HB	12-35M VERT.	1689.58
3643	107		2	60	30	13.25	HB	12-30M VERT.	5406.14
3644	107		2	72	25	13.00	HB	8-25M VERT.	4998.24
3645	107		2	64	25	13.42	HB	8-25M VERT.	4585.39
3646	107		2	16	25	12.00	HB	8-25M VERT.	1025.28
3647	107		2	21	10	21.66	LB	10M @8" TIES	626.00
3648	107		2	90	10	21.66	LB	10M @10" TIES	2682.87
3649	107		2	244	10	16.66	LB	10M @12" TIES	5594.84
3650	107								
3651	106	C1	2	12	35	11.08	HB	12-35M DWL.	1413.22
3652	107		2	12	35	13.25	HB	12-35M VERT.	1689.58
3653	107		2	60	30	13.25	HB	12-30M VERT.	5406.14
3654	107		2	72	25	13.00	HB	8-25M VERT.	4998.24
3655	107		2	64	25	13.42	HB	8-25M VERT.	4585.39
3656	107		2	24	25	14.42	HB	8-25M VERT.	1847.68
3657	107		2	16	25	15.42	HB	8-25M VERT.	1317.23
3658	107		2	8	25	17.08	HB	8-25M VERT.	729.80
3659	107		2	8	25	17.33	HB	8-25M VERT.	740.48
3660	107		2	21	10	21.66	LB	10M @8" TIES	626.00
3661	107		2	90	10	21.66	LB	10M @10" TIES	2682.87
3662	107		2	324	10	16.66	LB	10M @12" TIES	7429.21
3663	107								
3664	106	C2	2	12	35	10.08	HB	12-35M DWL.	1285.70
3665	107		2	72	35	13.92	HB	12-35M VERT.	10647.51
3666	107		2	96	25	13.58	HB	12-30M VERT.	6963.70

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3667	107		2	72	25	13.42	HB	8-25M VERT.	5158.57
3668	107		2	16	25	14.42	HB	8-25M VERT.	1231.79
3669	107		2	109	10	21.66	LB	10M @8" TIES	3249.25
3670	107		2	102	10	21.66	LB	10M @12" TIES	3040.59
3671	107		2	143	10	16.66	LB	10M @12" TIES	3278.94
3672	107								
3673	106	C2	4	12	35	10.08	HB	12-35M DWL.	2571.41
3674	107		4	72	35	13.92	HB	12-35M VERT.	21295.01
3675	107		4	96	25	13.58	HB	12-30M VERT.	13927.40
3676	107		4	72	25	13.42	HB	8-25M VERT.	10317.14
3677	107		4	24	25	14.42	HB	8-25M VERT.	3695.37
3678	107		4	16	25	15.42	HB	8-25M VERT.	2634.46
3679	107		4	8	25	17.08	HB	8-25M VERT.	1459.60
3680	107		4	8	25	17.33	HB	8-25M VERT.	1480.96
3681	107		4	109	10	21.66	LB	10M @8" TIES	6498.51
3682	107		4	102	10	21.66	LB	10M @12" TIES	6081.17
3683	107		4	222	10	16.66	LB	10M @12" TIES	10180.77
3684	107								
3685	106	C3	4	12	30	9.17	HB	8-30M DWL.	1495.95
3686	107		4	72	30	13.25	HB	8-30M VERT.	12974.73
3687	107		4	96	25	13.00	HB	8-25M VERT.	13328.64
3688	107		4	72	20	12.00	HB	8-20M VERT.	5190.91
3689	107		4	24	20	13.00	HB	8-20M VERT.	1874.50
3690	107		4	16	20	14.00	HB	8-20M VERT.	1345.79
3691	107		4	8	20	15.67	HB	8-20M VERT.	752.97
3692	107		4	8	20	17.00	HB	8-20M VERT.	817.09
3693	107		4	139	10	6.25	LB	10M @6" TIES	2390.80
3694	107		4	102	10	6.25	LB	10M @12" TIES	1754.40
3695	107		4	222	10	6.25	LB	10M @12" TIES	3818.40
3696	107								
3697	106	C4	4	12	30	9.17	HB	12-30M DWL.	1495.95
3698	107		4	36	30	13.25	HB	12-30M VERT.	6487.20
3699	107		4	36	25	12.67	HB	10-25M VERT.	4870.21
3700	107		4	170	20	12.00	HB	10-20M VERT.	12256.32
3701	107		4	20	20	13.00	HB	10-20M VERT.	1562.08
3702	107		4	57	10	18.33	LB	10M @8" TIES	2875.63
3703	107		4	282	10	15.50	LB	10M @12" TIES	12026.66
3704	107								
3705	106	C5	4	14	35	10.08	HB	14-35M DWL.	2999.97
3706	107		4	14	35	12.67	HB	14-35M VERT.	3768.79
3707	107		4	264	25	13.17	HB	12-25M VERT.	37124.62
3708	107		4	24	25	14.42	HB	12-25M VERT.	3695.37
3709	107		4	18	10	25.16	LB	10M @10" TIES	1246.13
3710	107		4	307	10	21.50	LB	10M @12" TIES	18162.89
3711	107								
3712	106	C6	2	14	30	9.17	HB	14-30M DWL.	872.60
3713	107		2	322	30	13.67	HB	14-30M VERT.	29925.26

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3714	107		2	28	30	15.17	HB	14-30M VERT.	2887.80
3715	107		2	446	10	22.17	LB	10M @8" TIES	13602.57
3716	107								
3717	106	C7	2	14	30	9.17	HB	14-30M DWL.	872.60
3718	107		2	84	30	13.25	HB	14-30M VERT.	7568.40
3719	107		2	140	25	13.00	HB	14-25M VERT.	9718.80
3720	107		2	98	20	12.00	HB	14-20M VERT.	3532.70
3721	107		2	28	20	13.00	HB	14-20M VERT.	1093.46
3722	107		2	372	10	24.67	LB	10M @10" TIES	12625.32
3723	107								
3724	107	REF:S14							
3725	106	10"x36"	4	12	15	3.83	HB	12-15M DWL.	191.95
3726	107		4	12	15	12.58	HB	12-15M VERT.	630.01
3727	107		4	24	15	13.58	HB	12-15M VERT.	1360.14
3728	107		4	12	15	15.25	HB	12-15M VERT.	763.48
3729	107		4	12	15	16.83	HB	12-15M VERT.	842.73
3730	107		4	92	10	17.66	LB	10M @10" TIES	4472.24
3731	107								
3732	106	12"x30"	4	12	15	3.58	HB	12-15M DWL.	179.38
3733	107		4	12	15	12.58	HB	12-15M VERT.	630.01
3734	107		4	12	15	13.58	HB	12-15M VERT.	680.07
3735	107		4	12	15	12.50	HB	12-15M VERT.	625.82
3736	107		4	54	10	16.66	LB	10M @12" TIES	2476.49
3737	107								
3738	106	10"x30"	2	10	15	3.58	HB	10-15M DWL.	74.74
3739	107		2	10	15	13.58	HB	10-15M VERT.	283.36
3740	107		2	10	15	15.25	HB	10-15M VERT.	318.12
3741	107		2	10	15	16.83	HB	10-15M VERT.	351.14
3742	107		2	64	10	14.17	LB	10M @10" TIES	1247.43
3743	107								
3744	106	12"x30"	2	10	15	3.58	HB	12-15M DWL.	74.74
3745	107		2	10	15	13.58	HB	12-15M VERT.	283.36
3746	107		2	10	15	15.25	HB	12-15M VERT.	318.12
3747	107		2	10	15	16.83	HB	12-15M VERT.	351.14
3748	107		2	54	10	16.66	LB	10M @12" TIES	1238.25
3749	107								
3750	106	10"x10"	2	4	15	3.58	HB	4-15M DWL.	29.90
3751	107		2	4	15	13.58	HB	4-15M VERT.	113.34
3752	107		2	4	15	15.25	HB	4-15M VERT.	127.25
3753	107		2	4	15	16.83	HB	4-15M VERT.	140.45
3754	107		2	64	10	4.33	LB	10M @10" TIES	381.49
3755	107								
3756	106	ZC1	5	10	35	8.58	HB	10-35M DWL.	2280.07
3757	107		5	10	35	16.25	HB	10-35M VERT.	4316.81
3758	107		5	10	35	11.83	HB	10-35M VERT.	3143.44
3759	107		5	54	10	15.42	LB	10M @6" TIES	2863.49
3760	107								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3761	106	ZC2		10	30	8.42	HB	24-30M DWL.	286.16
3762	107			10	30	15.58	HB	24-30M VERT.	529.83
3763	107			10	30	11.58	HB	24-30M VERT.	393.82
3764	107			54	10	44.33	LB	10M @6" TIES	1647.02
3765	107								
3766	106	ZC5		12	35	8.58	HB	12-35M DWL.	547.22
3767	107			12	35	16.25	HB	12-35M VERT.	1036.04
3768	107			12	35	11.83	HB	12-35M VERT.	754.42
3769	107			54	10	18.83	LB	10M @6" TIES	699.65
3770	107								
3771	106	PC2	14	8	25	6.67	HB	8-25M DWL.	1993.40
3772	107		14	8	25	15.00	HB	8-25M VERT.	4485.60
3773	107		14	8	25	11.33	HB	8-25M VERT.	3389.11
3774	107		14	37	10	12.00	LB	10M @10" TIES	4275.90
3775	107								
3776	106	PC6	2	10	20	4.17	HB	10-20M DWL.	125.15
3777	107		2	10	20	13.83	HB	10-20M VERT.	415.54
3778	107		2	10	20	11.00	HB	10-20M VERT.	330.44
3779	107		2	37	10	16.17	LB	10M @10" TIES	822.99
3780	107								
3781	106	PC2	12	8	25	6.83	HB	8-25M DWL.	1751.43
3782	107		12	8	25	15.00	HB	8-25M VERT.	3844.80
3783	107		12	8	25	13.00	HB	8-25M VERT.	3332.16
3784	107		12	8	25	14.00	HB	8-25M VERT.	3588.48
3785	107		12	8	25	13.00	HB	8-25M VERT.	3332.16
3786	107		12	8	25	17.33	HB	8-25M VERT.	4442.79
3787	107		12	90	10	12.00	LB	10M @10" TIES	8914.99
3788	107								
3789	106	PC3	4	20	35	11.08	HB	20-35M DWL.	4710.72
3790	107		4	20	35	16.25	HB	20-35M VERT.	6906.90
3791	107		4	20	35	14.25	HB	20-35M VERT.	6056.82
3792	107		4	20	35	15.25	HB	20-35M VERT.	6481.86
3793	107		4	20	35	14.25	HB	20-35M VERT.	6056.82
3794	107		4	20	35	17.83	HB	20-35M VERT.	7579.74
3795	107		4	90	10	37.00	LB	10M @10" TIES	9163.66
3796	107								
3797	106	PC3		20	35	14.08	HB	20-35M DWL.	1496.46
3798	107			20	35	16.25	HB	20-35M VERT.	1726.73
3799	107			20	35	14.25	HB	20-35M VERT.	1514.21
3800	107			20	35	15.25	HB	20-35M VERT.	1620.47
3801	107			20	35	14.25	HB	20-35M VERT.	1514.21
3802	107			20	35	17.83	HB	20-35M VERT.	1894.93
3803	107			90	10	37.00	LB	10M @10" TIES	2290.92
3804	107								
3805	106	PC1	2	16	35	12.58	HB	16-35M DWL.	2139.31
3806	107		2	16	35	16.25	HB	16-35M VERT.	2762.76
3807	107		2	16	35	14.25	HB	16-35M VERT.	2422.73

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3808	107		2	16	35	15.25	HB	16-35M VERT.	2592.74
3809	107		2	16	35	14.25	HB	16-35M VERT.	2422.73
3810	107		2	16	35	17.83	HB	16-35M VERT.	3031.90
3811	107		2	90	10	34.00	LB	10M @10" TIES	4210.31
3812	107								
3813	106	PC1		16	35	14.08	HB	16-35M DWL.	1197.17
3814	107			16	35	16.25	HB	16-35M VERT.	1381.38
3815	107			16	35	14.25	HB	16-35M VERT.	1211.36
3816	107			16	35	15.25	HB	16-35M VERT.	1296.37
3817	107			16	35	14.25	HB	16-35M VERT.	1211.36
3818	107			16	35	17.83	HB	16-35M VERT.	1515.95
3819	107			90	10	34.00	LB	10M @10" TIES	2105.16
3820	107								
3821	106	PC1		16	35	10.25	HB	16-35M DWL.	871.33
3822	107			16	35	16.25	HB	16-35M VERT.	1381.38
3823	107			16	35	14.25	HB	16-35M VERT.	1211.36
3824	107			16	35	15.25	HB	16-35M VERT.	1296.37
3825	107			16	35	14.25	HB	16-35M VERT.	1211.36
3826	107			16	35	17.83	HB	16-35M VERT.	1515.95
3827	107			90	10	34.00	LB	10M @10" TIES	2105.16
3828	107								
3829	106	PC4		14	25	8.50	HB	14-25M DWL.	317.73
3830	107			14	25	15.00	HB	14-25M VERT.	560.70
3831	107			14	25	13.00	HB	14-25M VERT.	485.94
3832	107			14	25	14.00	HB	14-25M VERT.	523.32
3833	107			14	25	13.00	HB	14-25M VERT.	485.94
3834	107			14	25	17.33	HB	14-25M VERT.	647.91
3835	107			108	10	26.67	LB	10M @8" TIES	1981.32
3836	107								
3837	106	PC7		16	35	14.08	HB	16-35M DWL.	1197.17
3838	107			16	35	16.25	HB	16-35M VERT.	1381.38
3839	107			16	35	14.25	HB	16-35M VERT.	1211.36
3840	107			16	35	15.25	HB	16-35M VERT.	1296.37
3841	107			16	35	14.25	HB	16-35M VERT.	1211.36
3842	107			16	35	17.83	HB	16-35M VERT.	1515.95
3843	107			90	10	39.33	LB	10M @10" TIES	2435.44
3844	107								
3845	106	PC8		14	30	9.58	HB	14-30M DWL.	456.17
3846	107			14	30	15.58	HB	14-30M VERT.	741.77
3847	107			14	30	13.58	HB	14-30M VERT.	646.57
3848	107			14	30	14.58	HB	14-30M VERT.	694.17
3849	107			14	30	13.58	HB	14-30M VERT.	646.57
3850	107			14	30	17.83	HB	14-30M VERT.	848.85
3851	107			90	10	36.50	LB	10M @10" TIES	2259.89
3852	107								
3853	106	ZC2	2	24	30	10.92	HB	24-30M DWL.	1781.55
3854	107		2	24	30	15.58	HB	24-30M VERT.	2543.20

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3855	107		2	24	30	13.58	HB	24-30M VERT.	2216.80
3856	107		2	24	30	14.58	HB	24-30M VERT.	2380.00
3857	107		2	24	30	13.58	HB	24-30M VERT.	2216.80
3858	107		2	24	30	17.83	HB	24-30M VERT.	2910.35
3859	107		2	137	10	44.33	LB	10M @6" TIES	8357.11
3860	107								
3861	106	ZC3		20	25	12.33	HB	20-25M DWL.	658.58
3862	107			20	25	15.00	HB	20-25M VERT.	801.00
3863	107			20	25	13.00	HB	20-25M VERT.	694.20
3864	107			20	25	14.00	HB	20-25M VERT.	747.60
3865	107			20	25	13.00	HB	20-25M VERT.	694.20
3866	107			20	25	17.33	HB	20-25M VERT.	925.58
3867	107			161	15	45.16	LB	15M @5" TIES	7583.74
3868	107								
3869	106	ZC4		18	25	12.33	HB	18-25M DWL.	592.72
3870	107			18	25	15.00	HB	18-25M VERT.	720.90
3871	107			18	25	13.00	HB	18-25M VERT.	624.78
3872	107			18	25	14.00	HB	18-25M VERT.	672.84
3873	107			18	25	13.00	HB	18-25M VERT.	624.78
3874	107			18	25	17.33	HB	18-25M VERT.	833.02
3875	107			161	15	38.00	LB	15M @5" TIES	6380.23
3876	107								
3877	106	ZC6		18	20	8.33	HB	16-20M DWL.	225.30
3878	107			18	20	13.83	HB	16-20M VERT.	373.99
3879	107			18	20	11.83	HB	16-20M VERT.	319.92
3880	107			18	20	12.83	HB	16-20M VERT.	346.95
3881	107			18	20	11.83	HB	16-20M VERT.	319.92
3882	107			18	20	17.00	HB	16-20M VERT.	459.61
3883	107			198	10	29.33	LB	10M @4" TIES	3995.72
3884	107								
3885	106	10"x16"	20	8	25	5.33	HB	8-25M DWL.	2278.26
3886	107		20	8	25	14.00	HB	8-25M VERT.	5980.80
3887	107		20	8	25	13.00	HB	8-25M VERT.	5553.60
3888	107		20	8	25	17.33	HB	8-25M VERT.	7404.66
3889	107		20	57	10	8.34	LB	10M @10" TIES	6538.09
3890	107								
3891	106	12"x26"	2	12	30	6.17	HB	12-30M DWL.	503.17
3892	107		2	12	30	14.58	HB	12-30M VERT.	1190.00
3893	107		2	12	30	13.58	HB	12-30M VERT.	1108.40
3894	107		2	12	30	17.33	HB	12-30M VERT.	1414.37
3895	107		2	69	10	15.33	LB	10M @8" TIES	1455.49
3896	107								
3897	106	24"x24"		16	30	6.17	HB	16-30M DWL.	335.45
3898	107			16	30	14.58	HB	16-30M VERT.	793.33
3899	107			16	30	13.58	HB	16-30M VERT.	738.93
3900	107			16	30	17.33	HB	16-30M VERT.	942.92
3901	107			87	10	38.00	LB	10M @6" TIES	2274.41

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3902	107								
3903	106	20" DIA.	2	10	20	4.33	HB	10-20M DWL.	130.16
3904	107		2	10	20	13.33	HB	10-20M VERT.	400.52
3905	107		2	10	20	12.33	HB	10-20M VERT.	370.49
3906	107		2	10	20	17.00	HB	10-20M VERT.	510.68
3907	107		2	50	10	7.50	LB	10M @12" TIES	516.00
3908	107								
3909	106	8"x16"	5	6	15	3.33	HB	6-15M DWL.	104.29
3910	107		5	6	15	11.83	HB	6-15M VERT.	370.25
3911	107		5	23	10	5.83	LB	10M @8" TIES	461.59
3912									
3913	109	INTERIOR SHEAR WALL							
3914	109	REF:S-18B							
3915	108	ZA	8	8	20	7.08	HB	8-20M DWL.	680.87
3916	109		8	8	20	12.00	ST	8-20M VERT.	1153.54
3917	109		8	38	10	10.00	LB	10M @4" TIES	2091.52
3918	109								
3919	108	ZB		12	25	8.67	HB	12-25M DWL.	277.66
3920	109			12	25	12.00	ST	12-25M VERT.	384.48
3921	109			25	10	18.00	LB	10M @6" TIES	309.60
3922	109								
3923	108	ZC	7	8	25	8.67	HB	8-25M DWL.	1295.74
3924	109		7	8	25	12.00	ST	8-25M VERT.	1794.24
3925	109		7	25	10	10.00	LB	10M @6" TIES	1204.00
3926	109								
3927	108	ZD		4	25	8.67	HB	4-25M DWL.	92.55
3928	109			4	25	12.00	ST	4-25M VERT.	128.16
3929	109			25	10	4.00	LB	10M @6" TIES	68.80
3930	109								
3931	108	SW1		436	25	6.67	ST	25M @6" DWL. EF	7760.02
3932	109			436	25	12.00	ST	25M @6" VERT. EF	13969.44
3933	109			291	20	29.50	SL	20M @4" HORZ. EF	12893.92
3934	109			66	10	4.00	LB	10M @60" SPREADER	181.63
3935	109								
3936	108	SW2		152	20	4.17	ST	20M @6" DWL. EF	951.11
3937	109			152	20	22.00	ST	20M @6" VERT. EF	5022.69
3938	109			105	20	29.50	SL	20M @6" HORZ. EF	4652.45
3939	109			36	10	4.00	LB	10M @60" SPREADER	99.07
3940	109								
3941	108	SW3		584	15	3.33	ST	15M @6" DWL. EF	2030.78
3942	109			584	15	12.00	ST	15M @6" VERT. EF	7309.34
3943	109			105	15	29.50	SL	15M @6" HORZ. EF	3230.69
3944	109			165	15	29.50	ST	15M @6" HORZ. EF	5076.80
3945	109			90	10	4.00	LB	10M @60" SPREADER	247.68
3946	109								
3947	108	SW4		46	15	3.33	ST	15M @10" DWL. EF	159.96
3948	109			46	15	12.00	ST	15M @10" VERT. EF	575.74

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3949	109			30	15	20.17	HB	15M @10" HORZ. EF	630.99
3950	109			12	10	4.00	LB	10M @60" SPREADER	33.02
3951	109								
3952	108	SW7		88	15	3.33	ST	15M @10" DWL. EF	306.01
3953	109			88	15	12.00	ST	15M @10" VERT. EF	1101.41
3954	109			40	15	29.50	HB	15M @10" HORZ. EF	1230.74
3955	109		5	30	15	4.34	HB	15M COR.	678.99
3956	109			24	10	4.00	LB	10M @60" SPREADER	66.05
3957	109								
3958	108	SW8		46	15	3.33	ST	15M @16" DWL. EF	159.96
3959	109			46	15	12.00	ST	15M @16" VERT. EF	575.74
3960	109			19	15	29.50	HB	15M @16" HORZ. EF	584.60
3961	109		3	18	15	4.34	HB	15M COR.	244.44
3962	109			18	10	3.67	LB	10M @60" SPREADER	45.41
3963	109								
3964	108	ZA	14	8	20	4.17	ST	8-20M DWL.	700.82
3965	109		14	8	20	10.00	ST	8-20M VERT.	1682.24
3966	109		14	31	10	10.00	LB	10M @4" TIES	2985.92
3967	109								
3968	108	ZC	6	8	25	6.67	ST	8-25M DWL.	854.31
3969	109		6	8	25	10.00	ST	8-25M VERT.	1281.60
3970	109		6	21	10	10.00	LB	10M @6" TIES	866.88
3971	109								
3972	108	ZD		4	25	6.67	ST	4-25M DWL.	71.19
3973	109			4	25	12.00	ST	4-25M VERT.	128.16
3974	109			21	10	4.00	LB	10M @6" TIES	57.79
3975	109								
3976	108	SW1		436	25	6.67	ST	25M @6" DWL. EF	7760.02
3977	109			436	25	10.00	ST	25M @6" VERT. EF	11641.20
3978	109			251	20	29.50	SL	20M @4" HORZ. EF	11121.56
3979	109			44	10	4.00	LB	10M @60" SPREADER	121.09
3980	109								
3981	108	SW2		152	20	4.17	ST	20M @6" DWL. EF	951.11
3982	109			152	20	10.00	ST	20M @6" VERT. EF	2283.04
3983	109			88	20	29.50	SL	20M @6" HORZ. EF	3899.19
3984	109			24	10	4.00	LB	10M @60" SPREADER	66.05
3985	109								
3986	108	SW3		584	15	3.33	ST	15M @6" DWL. EF	2030.78
3987	109			584	15	10.00	ST	15M @6" VERT. EF	6091.12
3988	109			88	15	29.50	SL	15M @6" HORZ. EF	2707.63
3989	109			138	15	29.50	ST	15M @6" HORZ. EF	4246.05
3990	109			60	10	4.00	LB	10M @60" SPREADER	165.12
3991	109								
3992	108	SW4		46	15	3.33	ST	15M @10" DWL. EF	159.96
3993	109			46	15	10.00	ST	15M @10" VERT. EF	479.78
3994	109			24	15	20.17	HB	15M @10" HORZ. EF	504.80
3995	109			8	10	4.00	LB	10M @60" SPREADER	22.02

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
3996	109								
3997	108	SW7		88	15	3.33	ST	15M @10" DWL. EF	306.01
3998	109			88	15	10.00	ST	15M @10" VERT. EF	917.84
3999	109			35	15	29.50	HB	15M @10" HORZ. EF	1076.90
4000	109		5	26	15	4.34	HB	15M COR.	588.46
4001	109			16	10	4.00	LB	10M @60" SPREADER	44.03
4002	109								
4003	108	SW8		46	15	3.33	ST	15M @16" DWL. EF	159.96
4004	109			46	15	10.00	ST	15M @16" VERT. EF	479.78
4005	109			17	15	29.50	HB	15M @16" HORZ. EF	523.06
4006	109		3	16	15	4.34	HB	15M COR.	217.28
4007	109			12	10	3.67	LB	10M @60" SPREADER	30.27
4008	109								
4009	108	SW9		196	15	3.33	ST	15M @7" DWL. EF	681.56
4010	109			196	15	10.00	ST	15M @7" VERT. EF	2044.28
4011	109			172	15	29.50	SL	15M @7" HORZ. EF	5292.18
4012	109			52	10	3.67	LB	10M @60" SPREADER	131.19
4013	109								
4014	109								
4015	109	ZA	14	8	20	4.17	ST	8-20M DWL.	700.82
4016	109		14	8	20	11.00	ST	8-20M VERT.	1850.46
4017	109		14	34	10	10.00	LB	10M @4" TIES	3274.88
4018	109								
4019	109	ZC	6	8	25	6.67	ST	8-25M DWL.	854.31
4020	109		6	8	25	11.00	ST	8-25M VERT.	1409.76
4021	109		6	23	10	10.00	LB	10M @6" TIES	949.44
4022	109								
4023	109	ZD	3	4	25	6.67	ST	4-25M DWL.	213.58
4024	109		3	4	25	11.00	ST	4-25M VERT.	352.44
4025	109		3	23	10	4.00	LB	10M @6" TIES	189.89
4026	109								
4027	109	SW1		548	25	6.67	ST	25M @6" DWL. EF	9753.42
4028	109			548	25	11.00	ST	25M @6" VERT. EF	16094.76
4029	109			345	20	29.50	SL	20M @4" HORZ. EF	15286.61
4030	109			84	10	4.00	LB	10M @60" SPREADER	231.17
4031	109								
4032	109	SW2		250	20	4.17	ST	20M @6" DWL. EF	1564.33
4033	109			250	20	10.00	ST	20M @6" VERT. EF	3755.00
4034	109			108	20	29.50	SL	20M @6" HORZ. EF	4785.37
4035	109			39	10	4.00	LB	10M @60" SPREADER	107.33
4036	109								
4037	109	SW3		600	15	3.33	ST	15M @6" DWL. EF	2086.42
4038	109			600	15	10.00	ST	15M @6" VERT. EF	6258.00
4039	109			90	15	29.50	SL	15M @6" HORZ. EF	2769.17
4040	109			150	15	29.50	ST	15M @6" HORZ. EF	4615.28
4041	109			90	10	4.00	LB	10M @60" SPREADER	247.68
4042	109								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4043	109	SW4		90	15	3.33	ST	15M @10" DWL. EF	312.96
4044	109			90	15	10.00	ST	15M @10" VERT. EF	938.70
4045	109			28	15	27.67	HB	15M @10" HORZ. EF	807.96
4046	109			28	15	11.92	HB	15M @10" HORZ. EF	347.99
4047	109			24	10	4.00	LB	10M @60" SPREADER	66.05
4048	109								
4049	108	ZA	14	8	20	3.92	HB	8-20M DWL.	658.77
4050	109		14	8	20	11.00	ST	8-20M VERT.	1850.46
4051	109		14	34	10	10.00	LB	10M @4" TIES	3274.88
4052	109								
4053	108	SW7		266	15	3.33	HB	15M @10" DWL. EF	924.70
4054	109			266	15	11.00	ST	15M @10" VERT. EF	3051.82
4055	109			108	15	29.50	HB	15M @10" HORZ. EF	3323.00
4056	109		5	26	15	4.34	HB	15M COR.	588.46
4057	109			66	10	4.00	LB	10M @60" SPREADER	181.63
4058	109								
4059	108	SW6		592	15	3.33	HB	15M @5" DWL. EF	2057.98
4060	109			592	15	11.00	ST	15M @5" VERT. EF	6792.02
4061	109			230	15	29.50	HB	15M @5" HORZ. EF	7076.76
4062	109		2	54	15	4.34	HB	15M COR.	488.87
4063	109			75	10	4.00	LB	10M @60" SPREADER	206.40
4064	109								
4065	108	SW3		44	15	3.33	HB	15M @6" DWL. EF	152.96
4066	109			44	15	11.00	ST	15M @6" VERT. EF	504.81
4067	109			46	15	14.17	HB	15M @6" HORZ. EF	679.66
4068	109			9	10	4.00	LB	10M @60" SPREADER	24.77
4069	109								
4070	108	SW8		120	15	3.33	HB	15M @12" DWL. EF	417.16
4071	109			120	15	11.00	ST	15M @12" VERT. EF	1376.76
4072	109			48	15	29.50	HB	15M @16" HORZ. EF	1476.89
4073	109		4	24	15	4.34	HB	15M COR.	434.56
4074	109			36	10	3.67	LB	10M @60" SPREADER	90.82
4075	109								
4076	109	SW9		68	15	3.33	ST	15M @7" DWL. EF	236.46
4077	109			68	15	10.00	ST	15M @7" VERT. EF	709.24
4078	109			65	15	29.50	SL	15M @7" HORZ. EF	1999.95
4079	109			27	10	3.67	LB	10M @60" SPREADER	68.12
4080	109								
4081	109								
4082	109	ZA	14	8	20	4.17	ST	8-20M DWL.	700.82
4083	109		14	8	20	10.00	ST	8-20M VERT.	1682.24
4084	109		14	31	10	10.00	LB	10M @4" TIES	2985.92
4085	109								
4086	109	ZB		12	25	8.67	HB	12-25M DWL.	277.66
4087	109			12	25	10.00	ST	12-25M VERT.	320.40
4088	109			21	10	18.00	LB	10M @6" TIES	260.06
4089	109								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4090	109	ZC	9	8	25	6.67	ST	8-25M DWL.	1281.47
4091	109		9	8	25	10.00	ST	8-25M VERT.	1922.40
4092	109		9	22	10	10.00	LB	10M @6" TIES	1362.24
4093	109								
4094	109	ZD		4	25	6.67	ST	4-25M DWL.	71.19
4095	109			4	25	10.00	ST	4-25M VERT.	106.80
4096	109			21	10	4.00	LB	10M @6" TIES	57.79
4097	109								
4098	109	SW1		900	25	6.67	ST	25M @6" DWL. EF	16018.40
4099	109			900	25	10.00	ST	25M @6" VERT. EF	24030.00
4100	109			520	20	29.50	SL	20M @4" HORZ. EF	23040.68
4101	109			90	10	4.00	LB	10M @60" SPREADER	247.68
4102	109								
4103	109	SW2		116	20	4.17	ST	20M @6" DWL. EF	725.85
4104	109			116	20	10.00	ST	20M @6" VERT. EF	1742.32
4105	109			48	20	29.50	SL	20M @6" HORZ. EF	2126.83
4106	109			12	10	4.00	LB	10M @60" SPREADER	33.02
4107	109								
4108	109	SW3		290	15	3.33	ST	15M @6" DWL. EF	1008.43
4109	109			290	15	10.00	ST	15M @6" VERT. EF	3024.70
4110	109			114	15	29.50	ST	15M @6" HORZ. EF	3507.61
4111	109			30	10	4.00	LB	10M @60" SPREADER	82.56
4112	109								
4113	109	SW4		136	15	3.33	ST	15M @10" DWL. EF	472.92
4114	109			136	15	10.00	ST	15M @10" VERT. EF	1418.48
4115	109			26	15	27.67	HB	15M @10" HORZ. EF	750.25
4116	109			26	15	19.92	HB	15M @10" HORZ. EF	540.19
4117	109			26	15	11.92	HB	15M @10" HORZ. EF	323.14
4118	109			24	10	4.00	LB	10M @60" SPREADER	66.05
4119	109								
4120	109	ZA	17	8	20	4.17	ST	8-20M DWL.	851.00
4121	109		17	8	20	10.00	ST	8-20M VERT.	2042.72
4122	109		17	31	10	10.00	LB	10M @4" TIES	3625.76
4123	109								
4124	108	ZE	8	12	25	8.67	HB	12-25M DWL.	2221.27
4125	109		8	12	25	10.00	ST	12-25M VERT.	2563.20
4126	109		8	31	10	18.00	LB	10M @4" TIES	3071.23
4127	109								
4128	109	SW7		228	15	3.33	ST	15M @10" DWL. EF	792.84
4129	109			228	15	10.00	ST	15M @10" VERT. EF	2378.04
4130	109			88	15	29.50	HB	15M @10" HORZ. EF	2707.63
4131	109		3	26	15	4.34	HB	15M COR.	353.08
4132	109			40	10	4.00	LB	10M @60" SPREADER	110.08
4133	109								
4134	108	SW6		592	15	3.33	HB	15M @5" DWL. EF	2057.98
4135	109			592	15	10.00	ST	15M @5" VERT. EF	6174.56
4136	109			230	15	29.50	HB	15M @5" HORZ. EF	7076.76

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4137	109		2	54	15	4.34	HB	15M COR.	488.87
4138	109			75	10	4.00	LB	10M @60" SPREADER	206.40
4139	109								
4140	108	SW3		44	15	3.33	HB	15M @6" DWL. EF	152.96
4141	109			44	15	10.00	ST	15M @6" VERT. EF	458.92
4142	109			46	15	14.17	HB	15M @6" HORZ. EF	679.66
4143	109			9	10	4.00	LB	10M @60" SPREADER	24.77
4144	109								
4145	109	SW9		68	15	3.33	ST	15M @7" DWL. EF	236.46
4146	109			68	15	10.00	ST	15M @7" VERT. EF	709.24
4147	109			65	15	29.50	SL	15M @7" HORZ. EF	1999.95
4148	109			27	10	3.67	LB	10M @60" SPREADER	68.12
4149	109								
4150	109								
4151	109	ZA	14	8	20	4.17	ST	8-20M DWL.	700.82
4152	109		14	8	20	16.00	ST	8-20M VERT.	2691.58
4153	109		14	50	10	10.00	LB	10M @4" TIES	4816.00
4154	109								
4155	108	ZB		12	25	8.67	HB	12-25M DWL.	277.66
4156	109			12	25	16.00	ST	12-25M VERT.	512.64
4157	109			33	10	18.00	LB	10M @6" TIES	408.67
4158	109								
4159	109	ZC	9	8	25	6.67	ST	8-25M DWL.	1281.47
4160	109		9	8	25	10.00	ST	8-25M VERT.	1922.40
4161	109		9	33	10	10.00	LB	10M @6" TIES	2043.36
4162	109								
4163	109	ZD		4	25	6.67	ST	4-25M DWL.	71.19
4164	109			4	25	16.00	ST	4-25M VERT.	170.88
4165	109			33	10	4.00	LB	10M @6" TIES	90.82
4166	109								
4167	109	SW1		900	25	6.67	ST	25M @6" DWL. EF	16018.40
4168	109			900	25	16.00	ST	25M @6" VERT. EF	38448.00
4169	109			812	20	29.50	SL	20M @4" HORZ. EF	35978.91
4170	109			180	10	4.00	LB	10M @60" SPREADER	495.36
4171	109								
4172	109	SW2		116	20	4.17	ST	20M @6" DWL. EF	725.85
4173	109			116	20	16.00	ST	20M @6" VERT. EF	2787.71
4174	109			75	20	29.50	SL	20M @6" HORZ. EF	3323.18
4175	109			24	10	4.00	LB	10M @60" SPREADER	66.05
4176	109								
4177	109	SW3		290	15	3.33	ST	15M @6" DWL. EF	1008.43
4178	109			290	15	16.00	ST	15M @6" VERT. EF	4839.52
4179	109			162	15	29.50	ST	15M @6" HORZ. EF	4984.50
4180	109			60	10	4.00	LB	10M @60" SPREADER	165.12
4181	109								
4182	109	SW4		136	15	3.33	ST	15M @10" DWL. EF	472.92
4183	109			136	15	16.00	ST	15M @10" VERT. EF	2269.57

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4184	109			40	15	27.67	HB	15M @10" HORZ. EF	1154.23
4185	109			40	15	19.92	HB	15M @10" HORZ. EF	831.06
4186	109			40	15	11.92	HB	15M @10" HORZ. EF	497.14
4187	109			48	10	4.00	LB	10M @60" SPREADER	132.10
4188	109								
4189	109	ZA	17	8	20	4.17	ST	8-20M DWL.	851.00
4190	109		17	8	20	16.00	ST	8-20M VERT.	3268.35
4191	109		17	50	10	10.00	LB	10M @4" TIES	5848.00
4192	109								
4193	109	ZE	8	12	25	8.67	HB	12-25M DWL.	2221.27
4194	109		8	12	25	16.00	ST	12-25M VERT.	4101.12
4195	109		8	50	10	18.00	LB	10M @4" TIES	4953.60
4196	109								
4197	109	SW7		228	15	3.33	ST	15M @10" DWL. EF	792.84
4198	109			228	15	16.00	ST	15M @10" VERT. EF	3804.86
4199	109			135	15	29.50	HB	15M @10" HORZ. EF	4153.75
4200	109		3	40	15	4.34	HB	15M COR.	543.19
4201	109			80	10	4.00	LB	10M @60" SPREADER	220.16
4202	109								
4203	108	SW6		592	15	3.33	HB	15M @5" DWL. EF	2057.98
4204	109			592	15	16.00	ST	15M @5" VERT. EF	9879.30
4205	109			326	15	29.50	HB	15M @5" HORZ. EF	10030.53
4206	109		2	78	15	4.34	HB	15M COR.	706.15
4207	109			100	10	4.00	LB	10M @60" SPREADER	275.20
4208	109								
4209	108	SW3		44	15	3.33	HB	15M @6" DWL. EF	152.96
4210	109			44	15	16.00	ST	15M @6" VERT. EF	734.27
4211	109			66	15	14.17	HB	15M @6" HORZ. EF	975.16
4212	109			12	10	4.00	LB	10M @60" SPREADER	33.02
4213	109								
4214	109	SW9		68	15	3.33	ST	15M @7" DWL. EF	236.46
4215	109			68	15	16.00	ST	15M @7" VERT. EF	1134.78
4216	109			88	15	29.50	SL	15M @7" HORZ. EF	2707.63
4217	109			36	10	3.67	LB	10M @60" SPREADER	90.82
4218	109								
4219	109	REF:S-16							
4220	108	W2		50	15	3.50	ST	15M @12" DWL. EF	182.53
4221	109			50	15	13.75	ST	15M @12" VERT. EF	717.06
4222	109			50	15	11.75	ST	15M @12" VERT. EF	612.76
4223	109			50	15	12.75	ST	15M @12" VERT. EF	664.91
4224	109			50	15	11.75	ST	15M @12" VERT. EF	612.76
4225	109			50	15	17.75	ST	15M @12" VERT. EF	925.66
4226	109			1200	15	11.42	ST	15M @12" VERT. EF	14289.52
4227	109			150	15	12.58	ST	15M @12" VERT. EF	1968.77
4228	109			50	15	13.58	ST	15M @12" VERT. EF	708.41
4229	109			40	15	13.58	ST	15M @16" VERT. EF	566.72
4230	109			40	15	15.25	ST	15M @16" VERT. EF	636.23

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4231	109			40	15	16.83	HB	15M @16" VERT. EF	702.27
4232	109			292	20	29.83	HB	20M @5" HORZ. EF	13084.72
4233	109			482	15	29.67	HB	15M @4" HORZ. EF	14913.87
4234	109			194	15	29.67	HB	15M @5" HORZ. EF	6002.68
4235	109			326	15	29.67	HB	15M @6" HORZ. EF	10086.97
4236	109			264	15	29.67	HB	15M @8" HORZ. EF	8168.59
4237	109			30	15	29.67	HB	15M @10" HORZ. EF	928.25
4238	109			48	15	29.67	HB	15M @16" HORZ. EF	1485.20
4239	109			456	10	4.00	HB	10M @60" SPREADER	1254.91
4240	109								
4241	108	W6		44	10	3.00	ST	10M @6" DWL.	90.82
4242	109			220	10	13.33	ST	10M @6" VERT.	2018.13
4243	109			264	10	11.17	ST	10M @6" VERT.	2028.28
4244	109			544	10	11.17	ST	10M @10" VERT.	4179.50
4245	109			54	10	11.17	ST	10M @12" VERT.	414.88
4246	109			81	10	12.17	ST	10M @12" VERT.	678.04
4247	109			54	10	13.17	ST	10M @12" VERT.	489.18
4248	109			27	10	14.83	ST	10M @12" VERT.	275.54
4249	109			27	10	16.67	HB	10M @12" VERT.	309.61
4250	109			246	10	19.00	HB	10M @6" HORZ.	3215.71
4251	109			246	10	8.00	HB	10M @6" HORZ.	1353.98
4252	109			202	10	19.00	HB	10M @10" HORZ.	2640.54
4253	109			202	10	8.00	HB	10M @10" HORZ.	1111.81
4254	109			106	10	19.00	HB	10M @12" HORZ.	1385.63
4255	109			106	10	8.00	HB	10M @12" HORZ.	583.42
4256									
4257									
4258	209	LOT B - INTERIOR SHEAR WALL							
4259	209	REF:S-5							
4260	208	ZB	5	8	25	7.67	HB	8-25M DWL.	818.73
4261	209		5	8	25	15.33	ST	8-25M VERT.	1637.56
4262	209		5	8	25	13.33	ST	8-25M VERT.	1423.96
4263	209		5	8	25	14.33	ST	8-25M VERT.	1530.76
4264	209		5	8	25	13.33	ST	8-25M VERT.	1423.96
4265	209		5	8	25	17.33	HB	8-25M VERT.	1851.16
4266	209		5	125	10	18.00	LB	10M @6" TIES	7740.00
4267	209								
4268	208	SW1		76	15	3.33	ST	15M @6" DWL. EF	264.28
4269	209			76	15	13.67	ST	15M @6" VERT. EF	1083.36
4270	209			76	15	11.67	ST	15M @6" VERT. EF	924.82
4271	209			76	15	12.67	ST	15M @6" VERT. EF	1004.09
4272	209			76	15	11.67	ST	15M @6" VERT. EF	924.82
4273	209			76	15	16.83	HB	15M @6" VERT. EF	1334.32
4274	209			250	15	20.17	HB	15M @6" HORZ. EF	5258.28
4275	209			48	10	4.00	LB	10M @60" SPREADER	132.10
4276	209								
4277	208	SW5		80	15	3.33	ST	15M @12" DWL. EF	278.19

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4278	209			80	15	13.67	ST	15M @12" VERT. EF	1140.37
4279	209			80	15	11.67	ST	15M @12" VERT. EF	973.49
4280	209			80	15	12.67	ST	15M @12" VERT. EF	1056.93
4281	209			80	15	11.67	ST	15M @12" VERT. EF	973.49
4282	209			80	15	16.83	HB	15M @12" VERT. EF	1404.55
4283	209			130	15	20.17	HB	15M @12" HORZ. EF	2734.31
4284	209			260	15	11.67	HB	15M @12" HORZ. EF	3163.59
4285	209								
4286	208	SW6		40	15	3.33	ST	15M @12" DWL. EF	139.09
4287	209			40	15	13.67	ST	15M @12" VERT. EF	570.19
4288	209			40	15	11.67	ST	15M @12" VERT. EF	486.75
4289	209			40	15	12.67	ST	15M @12" VERT. EF	528.47
4290	209			40	15	11.67	ST	15M @12" VERT. EF	486.75
4291	209			40	15	16.83	HB	15M @12" VERT. EF	702.27
4292	209			130	15	20.17	HB	15M @12" HORZ. EF	2734.31
4293	209			96	10	3.67	LB	10M @60" SPREADER	242.20
4294	209								
4295	209	REF:S-7							
4296	208	ZA	10	12	25	6.67	HB	12-25M DWL.	2135.79
4297	209		10	12	25	14.33	ST	12-25M VERT.	4592.29
4298	209		10	12	25	13.33	ST	12-25M VERT.	4271.89
4299	209		10	12	25	17.33	HB	12-25M VERT.	5553.49
4300	209		10	39	10	18.00	LB	10M @12" TIES	4829.76
4301	209								
4302	208	ZB	6	8	25	6.67	HB	8-25M DWL.	854.31
4303	209		6	8	25	14.33	ST	8-25M VERT.	1836.92
4304	209		6	8	25	13.33	ST	8-25M VERT.	1708.76
4305	209		6	8	25	17.33	HB	8-25M VERT.	2221.40
4306	209		6	39	10	18.00	LB	10M @12" TIES	2897.86
4307	209								
4308	208	ZC	9	8	20	5.08	HB	8-20M DWL.	549.70
4309	209		9	8	20	13.08	ST	8-20M VERT.	1414.85
4310	209		9	8	20	12.08	ST	8-20M VERT.	1306.70
4311	209		9	8	20	17.00	HB	8-20M VERT.	1838.45
4312	209		9	39	10	18.00	LB	10M @12" TIES	4346.78
4313	209								
4314	208	SW1		600	15	3.33	ST	15M @6" DWL. EF	2086.42
4315	209			600	15	12.67	ST	15M @6" VERT. EF	7927.01
4316	209			600	15	11.67	ST	15M @6" VERT. EF	7301.21
4317	209			600	15	16.83	HB	15M @6" VERT. EF	10534.09
4318	209			845	15	29.50	SL	15M @6" HORZ. EF	25999.38
4319	209			240	10	4.00	LB	10M @60" SPREADER	660.48
4320	209								
4321	208	SW2		240	20	4.17	ST	20M @6" DWL. EF	1501.76
4322	209			240	20	13.08	ST	20M @6" VERT. EF	4716.16
4323	209			240	20	12.08	ST	20M @6" VERT. EF	4355.68
4324	209			240	20	17.00	HB	20M @6" VERT. EF	6128.16

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4325	209			315	20	29.50	SL	20M @6" HORZ. EF	13957.34
4326	209		2	156	20	5.50	HB	20M COR.	2577.43
4327	209			96	10	4.00	LB	10M @60" SPREADER	264.19
4328	209								
4329	208	SW3		152	15	3.33	ST	15M @8" DWL. EF	528.56
4330	209			152	15	12.67	ST	15M @8" VERT. EF	2008.18
4331	209			152	15	11.67	ST	15M @8" VERT. EF	1849.64
4332	209			152	15	16.83	HB	15M @8" VERT. EF	2668.64
4333	209			205	15	29.50	SL	15M @8" HORZ. EF	6307.54
4334	209		6	120	15	4.34	HB	15M COR.	3259.17
4335	209			80	10	3.67	LB	10M @60" SPREADER	201.83
4336	209								
4337	208	SW4		104	15	3.33	ST	15M @6" DWL. EF	361.65
4338	209			104	15	12.67	ST	15M @6" VERT. EF	1374.01
4339	209			104	15	11.67	ST	15M @6" VERT. EF	1265.54
4340	209			104	15	16.83	HB	15M @6" VERT. EF	1825.91
4341	209			156	15	25.92	HB	15M @6" HORZ. EF	4216.74
4342	209		2	156	15	4.34	HB	15M COR.	1412.31
4343	209			40	10	4.00	LB	10M @60" SPREADER	110.08
4344	209								
4345	209	REF:S-16							
4346	208	W2		50	15	3.50	ST	15M @12" DWL. EF	182.53
4347	209			50	15	13.75	ST	15M @12" VERT. EF	717.06
4348	209			50	15	11.75	ST	15M @12" VERT. EF	612.76
4349	209			50	15	12.75	ST	15M @12" VERT. EF	664.91
4350	209			50	15	11.75	ST	15M @12" VERT. EF	612.76
4351	209			50	15	17.75	ST	15M @12" VERT. EF	925.66
4352	209			900	15	11.42	ST	15M @12" VERT. EF	10717.14
4353	209			150	15	12.58	ST	15M @12" VERT. EF	1968.77
4354	209			50	15	13.58	ST	15M @12" VERT. EF	708.41
4355	209			40	15	13.58	ST	15M @16" VERT. EF	566.72
4356	209			40	15	15.25	ST	15M @16" VERT. EF	636.23
4357	209			40	15	16.83	HB	15M @16" VERT. EF	702.27
4358	209			166	20	29.83	HB	20M @5" HORZ. EF	7438.57
4359	209			370	15	29.67	HB	15M @5" HORZ. EF	11448.41
4360	209			202	15	29.67	HB	15M @6" HORZ. EF	6250.21
4361	209			122	15	29.67	HB	15M @8" HORZ. EF	3774.88
4362	209			50	15	29.67	HB	15M @10" HORZ. EF	1547.08
4363	209			140	15	29.67	HB	15M @12" HORZ. EF	4331.83
4364	209			66	15	29.67	HB	15M @16" HORZ. EF	2042.15
4365	209			384	10	4.00	HB	10M @60" SPREADER	1056.77
4366	209								
4367	208	W6		34	10	3.00	ST	10M @10" DWL.	70.18
4368	209			170	10	13.33	ST	10M @10" VERT.	1559.46
4369	209			578	10	11.17	ST	10M @10" VERT.	4440.71
4370	209			81	10	12.17	ST	10M @12" VERT.	678.04
4371	209			54	10	13.17	ST	10M @12" VERT.	489.18

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4372	209			27	10	14.83	ST	10M @12" VERT.	275.54
4373	209			27	10	16.67	HB	10M @12" VERT.	309.61
4374	209			290	10	19.00	HB	10M @10" HORZ.	3790.88
4375	209			290	10	8.00	HB	10M @10" HORZ.	1596.16
4376	209			93	10	19.00	HB	10M @12" HORZ.	1215.70
4377	209			93	10	8.00	HB	10M @12" HORZ.	511.87
4378									
4379	101	PHASE 1							
4380	101	ISOLATED FOOTING - REF:S-5							
4381	101	F1	10	18	20	5.50	ST	9-20M BOT.EW	1486.98
4382	101	F2	10	24	20	6.50	ST	12-20M BOT.EW	2343.12
4383	101	F3	11	20	25	7.50	ST	10-25M BOT.EW	4405.50
4384	101	F4	4	24	25	8.50	ST	12-25M BOT.EW	2178.72
4385	101	F5	3	40	30	12.50	ST	20-30M BOT.EW	5100.00
4386	101	F6	4	52	30	14.50	ST	26-30M BOT.EW	10254.40
4387	101	F7		16	30	24.50	ST	16-30M BOT.LW	1332.80
4388	101			13	30	24.50	ST	13-30M BOT.LW	1082.90
4389	101			50	30	16.50	ST	50-30M BOT.SW	2805.00
4390	101			40	30	16.50	ST	40-30M TOP SW	2244.00
4391	101			28	20	15.38	HB	20M @48" STANDEES	646.82
4392									
4393									
4394	102	CONTINUOUS FOOTING - REF:S-5							
4395	102	SF2		25	20	29.50	SL	3-20M BOT.CONT.	1107.73
4396	102			9	20	29.50	ST	3-20M BOT.CONT.	398.78
4397	102		5	3	20	6.00	HB	20M COR.	135.18
4398	102			303	15	1.50	ST	15M @12" BOT.TRANS.	474.04
4399	102								
4400	102	SF3		15	20	29.50	SL	4-20M BOT.CONT.	664.64
4401	102			7	20	29.50	ST	4-20M BOT.CONT.	310.16
4402	102		2	4	20	6.00	HB	20M COR.	72.10
4403	102			160	20	2.50	ST	20M @10" BOT.TRANS.	600.80
4404	102								
4405	102	SF4		14	25	59.08	ST	9-25M BOT.CONT.	2208.52
4406	102			108	25	7.50	ST	25M @10" BOT.TRANS.	2162.70
4407	102								
4408	102	SF5		13	30	37.25	ST	13-30M BOT.CONT.	1646.45
4409	102			57	25	11.50	ST	25M @8" BOT.TRANS.	1750.19
4410	102								
4411	102	SF6		10	25	48.50	ST	10-25M BOT.CONT.	1294.95
4412	102			10	30	48.50	ST	10-30M TOP CONT.	1649.00
4413	102			15	10	18.00	LB	10M @48" STPS.	185.76
4414									
4415									
4416	103	MAT SLAB - REF:S-5							
4417	103	96" DEEP		59	35	59.08	SL	35M @6" BOT.EW	18520.57
4418	103			134	35	59.08	ST	35M @6" BOT.EW	42063.67

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4419	103			27	30	59.08	SL	30M @10" TOP EW	5423.82
4420	103			65	30	59.08	ST	30M @10" TOP EW	13057.34
4421	103			22	30	59.08	HB	30M @10" TOP EW	4419.41
4422	103								
4423	103	ADDITIONALS	2	18	35	16.33	ST	18-35M @6" BOT.ADD'L	3123.98
4424	103			39	35	21.33	ST	35M @6" BOT.ADD'L	4420.35
4425	103			8	35	19.67	ST	8-35M @10" TOP ADD'L	835.93
4426	103			107	35	16.33	ST	35M @6" BOT.ADD'L	9285.16
4427	103			89	35	16.33	ST	89-35M @6" BOT.ADD'L	7723.17
4428	103			52	30	16.33	ST	52-30M @10" TOP ADD'L	2887.67
4429	103			15	35	19.67	ST	15-35M @10" TOP ADD'L	1567.36
4430	103			51	25	14.75	ST	25M @10" TOP ADD'L	2008.51
4431	103			107	35	16.33	ST	35M @6" BOT.ADD'L	9285.16
4432	103			45	35	21.33	ST	35M @6" BOT.ADD'L	5100.40
4433	103	ST1	2	8	20	26.33	HB	20M @12" STPS.	632.86
4434	103		2	32	20	18.92	HB	20M @12" STPS.	1818.45
4435	103			220	15	10.25	HB	15M @12" C BAR @PERI	2351.74
4436	103			100	15	19.67	SL	15M @12" CONT. @PERI	2051.58
4437	103		8	8	15	5.00	HB	15M COR.	333.76
4438	103			168	20	18.33	HB	20M @48" STANDEES	4626.33
4439	103			41	15	19.67	SL	15M @48" SUPPORT BAR	841.15
4440	103								
4441	103	78" DEEP		30	30	53.00	ST	30M @7" BOT.LW	5406.00
4442	103			92	30	16.25	ST	30M @7" BOT.SW	5083.00
4443	103			21	30	53.00	ST	30M @10" TOP LW	3784.20
4444	103			65	30	16.25	ST	30M @10" TOP SW	3591.25
4445	103								
4446	103	ADDITIONALS		21	35	29.50	ST	35M @10" TOP ADD'L	3291.40
4447	103			144	15	7.75	HB	15M @12" C BAR @PERI	1163.84
4448	103			49	15	19.67	SL	15M @12" CONT. @PERI	1005.27
4449	103		4	6	15	5.00	HB	15M COR.	125.16
4450	103			70	20	15.34	HB	20M @48" STANDEES	1612.85
4451	103			15	15	16.25	ST	15M @48" SUPPORT BAR	254.23
4452	103								
4453	103	36" DEEP		21	25	24.83	ST	25M @10" BOT.LW	1392.39
4454	103			31	25	16.50	ST	25M @10" BOT.SW	1365.71
4455	103			21	20	24.83	ST	20M @10" TOP LW	783.28
4456	103			31	20	16.50	ST	20M @10" TOP SW	768.27
4457	103			28	15	8.50	HB	15M @48" STANDEES	248.20
4458	103								
4459	103	36" DEEP		21	25	25.83	ST	25M @10" BOT.LW	1448.29
4460	103			32	25	16.50	ST	25M @10" BOT.SW	1409.76
4461	103			21	20	25.83	ST	20M @10" TOP LW	814.73
4462	103			32	20	16.50	ST	20M @10" TOP SW	793.06
4463	103			28	15	8.50	HB	15M @48" STANDEES	248.20
4464									
4465									

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4466	105	CONCRETE WALL							
4467	105	REF:S-5 THRU S-10 & S-4							
4468	104	8" THICK - REF:11/S-4		716	15	5.92	HB	15M @10" DWL.EF	4418.74
4469	105			716	15	12.92	ST	15M @10" VERT.EF	9646.26
4470	105			716	15	11.92	ST	15M @10" VERT.EF	8899.47
4471	105			716	15	12.92	ST	15M @10" VERT.EF	9646.26
4472	105			716	15	11.92	ST	15M @10" VERT.EF	8899.47
4473	105			716	15	16.83	HB	15M @10" VERT.EF	12570.68
4474	105			225	15	6.00	HB	15M @16" SLAB DWL.	1408.05
4475	105			2405	15	19.67	SL	15M @10" HORIZ.EF	49333.00
4476	105			71	15	5.00	HB	15M COR.OF	370.27
4477	105			142	15	3.33	HB	15M COR.IF	493.64
4478	105			720	10	3.67	LB	10M @60" SPREADER BAR	1816.49
4479	105								
4480	104	8" THICK - REF:8/S-4		482	15	7.25	HB	15M @9" DWL.OF	3644.76
4481	105			542	15	13.00	ST	15M @8" VERT.IF	7348.98
4482	105			542	15	10.83	HB	15M @8" VERT.IF	6123.96
4483	105			693	15	19.67	SL	15M @8" HORIZ.IF	14215.29
4484	105		8	34	15	5.00	HB	15M COR.	1418.48
4485	105			542	20	7.33	ST	20M @8" VERT.ADD'L	5969.68
4486	105			270	15	6.00	HB	15M @16" SLAB DWL.	1689.66
4487	105								
4488	104	8" THICK - REF:8A/S-4		116	15	8.00	HB	15M @8" DWL.EF	967.90
4489	105			116	15	13.00	ST	15M @8" VERT.EF	1572.84
4490	105			58	15	13.00	HB	15M @8" VERT.OF	786.42
4491	105			58	15	10.83	HB	15M @8" VERT.IF	655.33
4492	105			130	15	19.67	ST	15M @8" HORIZ.EF	2666.65
4493	105			30	15	7.33	ST	15M @16" VERT.ADD'L	229.45
4494	105			40	10	3.67	LB	10M @60" SPREADER BAR	101.00
4495	105								
4496	105	INTERIOR WALL - REF:S-5							
4497	104	8" THICK		40	15	4.75	HB	15M @12" DWL.	198.17
4498	105			40	15	11.83	HB	15M @12" VERT.	493.67
4499	105			24	15	19.67	ST	15M @12" HORIZ.	492.38
4500	105		6	12	15	5.00	HB	15M COR.	375.48
4501	105								
4502	105	P1 LEVEL - REF:S-6							
4503	104	8" THICK		98	15	2.75	HB	15M @12" DWL.	281.09
4504	105			98	15	10.83	HB	15M @12" VERT.	1107.28
4505	105			46	15	19.67	ST	15M @12" HORIZ.	943.73
4506	105		16	11	15	5.00	HB	15M COR.	917.84
4507	105								
4508	105	LEVEL 1 - REF:S-7							
4509	104	8" THICK		131	15	2.75	HB	15M @12" DWL.	375.74
4510	105			131	15	11.83	HB	15M @12" VERT.	1616.78
4511	105			21	15	19.67	SL	15M @12" HORIZ.	430.83
4512	105			51	15	19.67	ST	15M @12" HORIZ.	1046.31

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4513	105		19	12	15	5.00	HB	15M COR.	1189.02
4514	105								
4515	105	LEVEL 2 - REF:S-8							
4516	104	8" THICK		132	15	2.75	HB	15M @12" DWL.	378.61
4517	105			132	15	11.83	HB	15M @12" VERT.	1629.12
4518	105			19	15	19.67	SL	15M @12" HORIZ.	389.80
4519	105			49	15	19.67	ST	15M @12" HORIZ.	1005.27
4520	105		21	11	15	5.00	HB	15M COR.	1204.67
4521	105								
4522	105	LEVEL 3 - REF:S-9							
4523	104	8" THICK		165	15	2.75	HB	15M @12" DWL.	473.26
4524	105			165	15	16.83	HB	15M @12" VERT.	2896.88
4525	105			29	15	19.67	SL	15M @12" HORIZ.	594.96
4526	105			101	15	19.67	ST	15M @12" HORIZ.	2072.10
4527	105		25	17	15	5.00	HB	15M COR.	2216.38
4528									
4529									
4530	110	SLAB ON GRADE ADDITIONALS - REF:S-5							
4531	110	SLAB STEP - REF:9/S-4		6	15	19.67	HB	1-15M CONT.	123.09
4532	110			1	15	27.00	ST	1-15M CONT.	28.16
4533	110		4	1	15	4.00	HB	15 COR.	16.69
4534	110			70	15	6.33	HB	15M @24" DWL.	462.37
4535									
4536									
4537	201	PHASE 2							
4538	201	ISOLATED FOOTING - REF:S-5							
4539	201	F1	19	18	25	7.00	ST	9-25M BOT.EW	6391.98
4540	201	F2		26	30	11.00	ST	13-30M BOT.EW	972.40
4541	201	F3	4	44	30	13.50	ST	22-30M BOT.EW	8078.40
4542	201	F4	2	60	30	15.50	ST	30-30M BOT.EW	6324.00
4543	201	F5	4	24	25	8.50	ST	12-25M BOT.EW	2178.72
4544	201								
4545	201	LEVEL 1 - REF:S-7							
4546	201	F2	3	10	15	3.00	ST	5-15M BOT.EW	93.87
4547									
4548									
4549	202	CONTINUOUS FOOTING - REF:S-5							
4550	202	SF2		42	20	29.50	SL	3-20M BOT.CONT.	1860.98
4551	202			3	20	22.83	ST	3-20M BOT.CONT.	102.89
4552	202		4	3	20	6.00	HB	20M COR.	108.14
4553	202			371	15	1.50	ST	15M @12" BOT.TRANS.	580.43
4554	202								
4555	202	SF3		44	20	29.50	SL	4-20M BOT.CONT.	1949.60
4556	202			4	20	20.83	ST	4-20M BOT.CONT.	125.16
4557	202		2	4	20	6.00	HB	20M COR.	72.10
4558	202			370	20	2.50	ST	20M @10" BOT.TRANS.	1389.35
4559									

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4560									
4561	203	MAT FOOTING - REF:S-5							
4562	203	78" DEEP		133	35	59.08	ST	35M @8" BOT.EW	41749.76
4563	203			87	30	59.08	ST	30M @8" TOP EW	17476.75
4564	203			50	30	59.08	HB	30M @8" TOP EW	10044.11
4565	203	48" DEEP	2	10	25	11.33	HB	25M @8" BOT.SW	605.18
4566	203		2	13	25	10.67	HB	25M @8" BOT.LW	740.43
4567	203								
4568	203	ADDITIONALS	4	22	25	14.75	ST	22-25M @8" BOT.ADD'L	3465.66
4569	203			24	35	16.33	ST	24-35M @8" BOT.ADD'L	2082.65
4570	203			30	35	16.33	ST	30-35M @8" BOT.ADD'L	2603.32
4571	203		4	8	25	14.75	ST	8-25M @8" BOT.ADD'L	1260.24
4572	203		2	64	35	16.33	ST	64-35M @8" BOT.ADD'L	11107.49
4573	203			56	35	16.33	ST	56-35M @8" BOT.ADD'L	4859.52
4574	203			240	15	7.75	HB	15M @8" C BAR @PERI	1939.73
4575	203			68	15	19.67	SL	15M @12" CONT. @PERI	1395.08
4576	203		10	5	15	5.00	HB	15M COR.	260.75
4577	203			170	20	15.33	HB	20M @48" STANDEES	3915.38
4578	203			42	15	19.67	SL	15M @48" SUPPORT BAR	861.66
4579	203								
4580	203	36" DEEP		21	25	21.83	ST	25M @10" BOT.LW	1224.18
4581	203			27	25	16.50	ST	25M @10" BOT.SW	1189.49
4582	203			21	20	21.83	ST	20M @10" TOP LW	688.66
4583	203			27	20	16.50	ST	20M @10" TOP SW	669.14
4584	203			24	15	8.50	HB	15M @48" STANDEES	212.75
4585									
4586									
4587	205	CONCRETE WALL							
4588	205	REF:S-5 THRU S-10 & S-4							
4589	204	8" THICK - REF:11/S-4		311	15	5.33	HB	15M @9" DWL.OF	1729.88
4590	205			520	15	13.00	ST	15M @12" VERT.EF	7050.68
4591	205			520	15	12.00	ST	15M @12" VERT.EF	6508.32
4592	205			520	15	13.00	ST	15M @12" VERT.EF	7050.68
4593	205			520	15	12.00	ST	15M @12" VERT.EF	6508.32
4594	205			520	15	16.83	HB	15M @12" VERT.EF	9129.55
4595	205			195	15	6.00	HB	15M @16" SLAB DWL.	1220.31
4596	205			1740	15	19.67	SL	15M @10" HORIZ.EF	35692.06
4597	205		2	59	15	5.00	HB	15M COR.OF	615.37
4598	205		2	118	15	3.33	HB	15M COR.IF	820.41
4599	205			624	10	3.67	LB	10M @60" SPREADER BAR	1574.29
4600	205								
4601	204	8" THICK - REF:8/S-4		135	15	6.00	HB	15M @9" DWL.OF	844.83
4602	204			80	15	7.00	HB	15M @9" DWL.OF	584.08
4603	205			240	15	13.00	ST	15M @8" VERT.IF	3254.16
4604	205			240	15	10.83	HB	15M @8" VERT.IF	2711.72
4605	205			310	15	19.67	SL	15M @8" HORIZ.IF	6358.93
4606	205		4	34	15	5.00	HB	15M COR.	709.24

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4607	205			240	20	7.33	ST	20M @8" VERT.ADD'L	2643.40
4608	205			122	15	6.00	HB	15M @16" SLAB DWL.	763.48
4609	205								
4610	204	8" THICK - REF:8A/S-4		106	15	8.00	HB	15M @9" DWLEF	884.46
4611	205			118	15	13.00	ST	15M @8" VERT.EF	1599.96
4612	205			59	15	13.00	HB	15M @8" VERT.OF	799.98
4613	205			59	15	10.83	HB	15M @8" VERT.IF	666.63
4614	205			152	15	19.67	SL	15M @8" HORIZ.EF	3117.93
4615	205			31	15	7.33	ST	15M @16" VERT.ADD'L	237.10
4616	205			40	10	3.67	LB	10M @60" SPREADER BAR	100.92
4617	205								
4618	204	8" THICK - REF:8B/S-4		130	15	8.00	HB	15M @9" DWLEF	1084.72
4619	205			194	15	13.00	ST	15M @6" VERT.EF	2630.45
4620	205			97	15	13.00	HB	15M @6" VERT.OF	1315.22
4621	205			97	15	10.83	HB	15M @6" VERT.OF	1095.99
4622	205			250	15	19.67	SL	15M @8" HORIZ.EF	5128.17
4623	205			31	15	7.33	ST	15M @16" VERT.ADD'L	237.10
4624	205			50	10	3.67	LB	10M @60" SPREADER BAR	126.14
4625	205								
4626	205								
4627	205	INTERIOR WALL							
4628	205	P2 LEVEL - REF:S-5							
4629	204	8" THICK		30	15	4.83	HB	15M @12" DWL.	151.22
4630	205			30	15	11.83	HB	15M @12" VERT.	370.25
4631	205			17	15	19.67	ST	15M @12" HORIZ.	348.77
4632	205		4	12	15	5.00	HB	15M COR.	250.32
4633	205								
4634	205	P1 LEVEL - REF:S-6							
4635	204	8" THICK		50	15	3.83	HB	15M @12" DWL.	199.89
4636	205			50	15	10.83	HB	15M @12" VERT.	564.94
4637	205			26	15	19.67	ST	15M @12" HORIZ.	533.41
4638	205		6	11	15	5.00	HB	15M COR.	344.19
4639	205								
4640	205	GROUND LEVEL - REF:S-7							
4641	204	8" THICK		74	15	3.83	HB	15M @12" DWL.	295.84
4642	205			74	15	11.83	HB	15M @12" VERT.	913.29
4643	205			42	15	19.67	ST	15M @12" HORIZ.	861.66
4644	205		10	12	15	5.00	HB	15M COR.	625.80
4645	205								
4646	205	LEVEL 2 - REF:S-8							
4647	204	8" THICK		90	15	3.83	HB	15M @12" DWL.	359.80
4648	205			90	15	10.83	HB	15M @12" VERT.	1016.89
4649	205			50	15	19.67	ST	15M @12" HORIZ.	1025.79
4650	205		16	11	15	5.00	HB	15M COR.	917.84
4651	205								
4652	205	LEVEL 3 - REF:S-8							
4653	204	8" THICK		110	15	3.83	HB	15M @12" DWL.	439.76

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4654	205			110	15	16.83	HB	15M @12" VERT.	1931.25
4655	205			90	15	19.67	ST	15M @12" HORIZ.	1846.42
4656	205		18	17	15	5.00	HB	15M COR.	1595.79
4657									
4658									
4659	210	SLAB ON GRADE ADDITIONALS - REF:S-5							
4660	210	SLAB STEP - REF:9/S-4		6	15	19.67	HB	1-15M CONT.	123.09
4661	210			1	15	27.00	ST	1-15M CONT.	28.16
4662	210		4	1	15	4.00	HB	15 COR.	16.69
4663	210			70	15	6.33	HB	15M @24" DWL.	462.37
4664									
4665									
4666	111	CONCRETE SLAB AND ADDITIONALS							
4667	111	LEVEL P1 - REF:S-6		28	20	23.00	ST	28-20M TOP ADD'L	967.29
4668	111			24	20	21.33	ST	24-20M TOP ADD'L	769.01
4669	111								
4670	111			18	25	15.42	ST	18-25M TOP ADD'L	740.94
4671	111			24	25	15.42	ST	14-25M TOP ADD'L	987.92
4672	111								
4673	111			14	25	16.33	ST	14-25M TOP ADD'L	610.53
4674	111			18	20	15.75	ST	18-20M TOP ADD'L	425.82
4675	111								
4676	111			12	25	16.33	ST	12-25M TOP ADD'L	523.31
4677	111			14	25	15.75	ST	14-25M TOP ADD'L	588.74
4678	111								
4679	111			14	25	14.75	ST	14-25M TOP ADD'L	551.36
4680	111			16	25	18.00	ST	16-25M TOP ADD'L	768.96
4681	111								
4682	111			16	25	18.00	ST	16-25M TOP ADD'L	768.96
4683	111			14	25	14.75	ST	14-25M TOP ADD'L	551.36
4684	111								
4685	111			16	20	15.42	ST	16-20M TOP ADD'L	370.50
4686	111			14	20	13.08	ST	14-20M TOP ADD'L	275.11
4687	111								
4688	111			16	25	16.33	ST	16-25M TOP ADD'L	697.75
4689	111			14	25	15.75	ST	14-25M TOP ADD'L	588.74
4690	111								
4691	111			16	25	18.00	ST	16-25M TOP ADD'L	768.96
4692	111			12	25	15.75	ST	12-25M TOP ADD'L	504.63
4693	111								
4694	111			12	25	18.00	ST	12-25M TOP ADD'L	576.72
4695	111			16	15	11.75	ST	16-15M TOP ADD'L	196.08
4696	111								
4697	111			14	20	13.08	ST	14-20M TOP ADD'L	275.11
4698	111			14	20	15.75	ST	14-20M TOP ADD'L	331.19
4699	111								
4700	111		2	18	25	21.33	ST	18-25M TOP ADD'L	2050.53

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4701	111		2	18	25	15.42	ST	18-25M TOP ADD'L	1481.88
4702	111								
4703	111			12	25	19.67	ST	12-25M TOP ADD'L3	630.13
4704	111			16	25	15.75	ST	16-25M TOP ADD'L	672.84
4705	111								
4706	111			16	20	16.33	ST	16-20M TOP ADD'L	392.51
4707	111			14	25	15.75	ST	14-25M TOP ADD'L	588.74
4708	111								
4709	111			14	25	19.67	ST	14-25M TOP ADD'L	735.15
4710	111			20	20	12.50	ST	20-20M TOP ADD'L	375.50
4711	111								
4712	111			16	20	13.75	ST	16-20M TOP ADD'L	330.44
4713	111								
4714	111			16	15	13.75	ST	16-15M TOP ADD'L	229.46
4715	111								
4716	111		2	10	15	9.00	HB	10-15M TOP ADD'L	187.74
4717	111		2	10	15	13.75	ST	10-15M TOP ADD'L	286.83
4718	111								
4719	111			14	25	16.33	ST	14-25M TOP ADD'L	610.53
4720	111			18	20	15.75	ST	18-20M TOP ADD'L	425.82
4721	111								
4722	111			18	20	19.67	ST	18-20M TOP ADD'L	531.72
4723	111			20	20	12.50	ST	20-20M TOP ADD'L	375.50
4724	111								
4725	111			12	15	14.75	ST	12-15M TOP ADD'L	184.61
4726	111			10	15	10.42	ST	10-15M TOP ADD'L	108.65
4727	111								
4728	111		2	14	15	11.75	ST	14-15M TOP ADD'L	343.15
4729	111		2	12	15	10.42	ST	12-15M TOP ADD'L	260.76
4730	111								
4731	111			12	15	9.83	HB	12-15M TOP ADD'L	123.07
4732	111			10	20	13.75	ST	10-20M TOP ADD'L	206.53
4733	111								
4734	111			12	15	11.75	ST	12-15M TOP ADD'L	147.06
4735	111			12	15	11.75	HB	12-15M TOP ADD'L	147.06
4736	111								
4737	111			14	15	11.75	HB	14-15M TOP ADD'L	171.57
4738	111			10	15	11.75	ST	10-15M TOP ADD'L	122.55
4739	111								
4740	111			12	20	16.33	ST	12-20M TOP ADD'L	294.39
4741	111			14	20	19.67	ST	14-20M TOP ADD'L	413.56
4742	111			3	15	16.33	ST	3-15M TOP ADD'L	51.11
4743	111								
4744	111			16	15	14.75	ST	16-15M TOP ADD'L	246.15
4745	111			16	20	15.75	ST	16-20M TOP ADD'L	378.50
4746	111								
4747	111			8	15	9.00	ST	8-15M TOP ADD'L	75.10

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4748	111			8	20	12.50	ST	8-20M TOP ADD'L	150.20
4749	111								
4750	111			14	20	19.67	ST	14-20M TOP ADD'L	413.56
4751	111			16	15	12.50	ST	16-15M TOP ADD'L	208.60
4752	111								
4753	111			14	20	19.67	ST	14-20M TOP ADD'L	413.56
4754	111			22	15	12.50	ST	22-15M TOP ADD'L	286.83
4755	111								
4756	111			10	20	13.08	ST	10-20M TOP ADD'L	196.51
4757	111			12	15	9.83	ST	12-15M TOP ADD'L	123.07
4758	111			10	20	26.25	ST	10-20M TOP ADD'L	394.28
4759	111			16	20	16.33	ST	16-20M TOP ADD'L	392.51
4760	111								
4761	111			20	20	15.75	ST	20-20M TOP ADD'L	473.13
4762	111			14	20	16.33	ST	14-20M TOP ADD'L	343.45
4763	111								
4764	111		2	20	20	15.75	ST	20-20M TOP ADD'L	946.26
4765	111		2	20	20	16.33	ST	20-20M TOP ADD'L	981.29
4766	111								
4767	111			386	15	3.92	HB	15M @18" TOP ADD'L	1576.98
4768	111			51	15	7.83	HB	15M @10" TOP ADD'L	416.66
4769	111			23	15	26.25	HB	15M @10" TOP ADD'L	629.71
4770	111			10	15	9.00	HB	15M @12" TOP ADD'L	93.87
4771	111			22	15	4.92	HB	15M @18" TOP ADD'L	112.83
4772	111			13	15	4.92	HB	15M @12" TOP ADD'L	66.67
4773	111			37	15	10.50	ST	15M @6" TOP ADD'L	405.21
4774	111			27	20	15.75	ST	20M @12" TOP ADD'L	638.73
4775	111			2	20	7.83	ST	2-20M BOT.ADD'L	23.53
4776	111			11	15	4.92	HB	15M @12" TOP ADD'L	56.41
4777	111			35	15	11.75	HB	15M @12" TOP ADD'L	428.93
4778	111			16	15	6.92	HB	15M @12" TOP ADD'L	115.41
4779	111			35	15	11.75	ST	15M @12" TOP ADD'L	428.93
4780	111			2	20	19.67	ST	2-20M BOT.ADD'L	59.08
4781	111			70	20	21.33	ST	20M @8" TOP ADD"L	2242.95
4782	111			15	15	11.75	ST	15M @12" TOP ADD'L	183.83
4783	111			8	15	6.50	ST	8-15M TOP ADD'L	54.24
4784	111			8	20	14.75	ST	8-20M TOP ADD'L	177.24
4785									
4786									
4787	112	LEVEL 1 - REF:S-7		24	20	23.00	ST	24-20M TOP ADD'L	829.10
4788	112			24	20	21.33	ST	24-20M TOP ADD'L	769.01
4789	112								
4790	112		2	24	20	15.42	ST	24-20M TOP ADD'L	1111.50
4791	112								
4792	112			18	20	16.33	ST	18-20M TOP ADD'L	441.58
4793	112			20	20	15.42	ST	20-20M TOP ADD'L	463.13
4794	112								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4795	112			18	20	16.33	ST	18-20M TOP ADD'L	441.58
4796	112			24	20	15.75	ST	24-20M TOP ADD'L	567.76
4797	112								
4798	112		2	22	20	14.75	ST	22-20M TOP ADD'L	974.80
4799	112		2	24	20	18.00	ST	24-20M TOP ADD'L	1297.73
4800	112								
4801	112			16	20	15.42	ST	16-20M TOP ADD'L	370.50
4802	112			18	20	13.08	ST	18-20M TOP ADD'L	353.71
4803	112								
4804	112			14	20	15.75	ST	14-20M TOP ADD'L	331.19
4805	112			18	20	13.08	ST	18-20M TOP ADD'L	353.71
4806	112								
4807	112			20	20	18.00	ST	20-20M TOP ADD'L	540.72
4808	112			16	15	11.75	ST	16-15M TOP ADD'L	196.08
4809	112								
4810	112			22	20	15.42	ST	22-20M TOP ADD'L	509.44
4811	112			24	20	18.00	ST	24-20M TOP ADD'L	648.86
4812	112								
4813	112			20	20	16.33	ST	20-20M TOP ADD'L	490.64
4814	112			22	20	15.75	ST	22-20M TOP ADD'L	520.44
4815	112								
4816	112			20	20	21.33	ST	20-20M TOP ADD'L	640.84
4817	112			30	20	15.42	ST	30-20M TOP ADD'L	694.69
4818	112								
4819	112			24	20	21.33	ST	24-20M TOP ADD'L	769.01
4820	112			28	20	15.75	ST	28-20M TOP ADD'L	662.38
4821	112								
4822	112			18	20	16.33	ST	18-20M TOP ADD'L	441.58
4823	112			24	20	15.75	ST	24-20M TOP ADD'L	567.76
4824	112								
4825	112			16	25	19.67	ST	16-25M TOP ADD'L	840.17
4826	112			20	20	15.42	ST	20-20M TOP ADD'L	463.13
4827	112								
4828	112			12	20	13.75	ST	12-20M TOP ADD'L	247.83
4829	112			12	20	9.00	HB	12-20M TOP ADD'L	162.22
4830	112			12	15	13.75	ST	12-15M TOP ADD'L	172.10
4831	112								
4832	112			10	15	11.75	ST	10-15M TOP ADD'L	122.55
4833	112			15	15	9.00	HB	14-15M TOP ADD'L	140.81
4834	112								
4835	112			20	20	16.33	ST	20-20M TOP ADD'L	490.64
4836	112			20	20	15.75	ST	20-20M TOP ADD'L	473.13
4837	112								
4838	112			20	20	19.67	ST	20-20M TOP ADD'L	590.80
4839	112			20	20	12.50	ST	20-20M TOP ADD'L	375.50
4840	112								
4841	112			24	20	19.67	ST	24-20M TOP ADD'L	708.96

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4842	112			20	20	12.50	ST	20-20M TOP ADD'L	375.50
4843	112								
4844	112			12	15	9.83	ST	12-15M TOP ADD'L	123.07
4845	112			14	15	14.75	ST	14-15M TOP ADD'L	215.38
4846	112								
4847	112			10	15	13.75	ST	10-15M TOP ADD'L	143.41
4848	112			10	15	9.00	HB	10-15M TOP ADD'L	93.87
4849	112								
4850	112			12	20	10.42	ST	12-20M TOP ADD'L	187.76
4851	112			14	20	11.75	ST	14-20M TOP ADD'L	247.08
4852	112								
4853	112			14	20	19.67	ST	14-20M TOP ADD'L	413.56
4854	112								
4855	112			12	20	10.42	HB	12-20M TOP ADD'L	187.76
4856	112			14	25	13.75	ST	14-25M TOP ADD'L	513.98
4857	112								
4858	112			12	20	11.75	ST	12-20M TOP ADD'L	211.78
4859	112			12	15	11.75	ST	12-15M TOP ADD'L	147.06
4860	112			14	15	11.75	HB	14-15M TOP ADD'L	171.57
4861	112								
4862	112			16	15	14.75	ST	16-15M TOP ADD'L	246.15
4863	112			18	20	16.33	ST	18-20M TOP ADD'L	441.58
4864	112								
4865	112			26	20	19.67	ST	26-20M TOP ADD'L	768.04
4866	112			14	20	12.50	ST	14-20M TOP ADD'L	262.85
4867	112								
4868	112			20	20	19.67	ST	20-20M TOP ADD'L	590.80
4869	112			20	20	12.50	ST	20-20M TOP ADD'L	375.50
4870	112								
4871	112			16	25	15.75	ST	16-25M TOP ADD'L	672.84
4872	112			12	20	18.00	ST	12-20M TOP ADD'L	324.43
4873	112								
4874	112			16	15	10.42	ST	16-15M TOP ADD'L	173.84
4875	112			12	20	11.75	ST	12-20M TOP ADD'L	211.78
4876	112								
4877	112			4	15	3.92	HB	15M @18" TOP ADD'L	16.34
4878	112			12	15	9.00	ST	12-15M TOP ADD'L	112.64
4879	112			11	15	18.00	ST	15M @15" BOT.ADD'L	206.51
4880	112			8	20	14.75	HB	8-20M TOP ADD'L	177.24
4881	112			160	15	16.33	ST	15M @15" BOT.ADD'L	2725.65
4882	112			3	15	18.00	ST	3-15M BOT.ADD'L	56.32
4883	112			54	20	21.33	ST	54-20M TOP ADD'L	1730.28
4884	112			36	15	11.75	HB	15M @12" TOP ADD'L	441.19
4885	112			19	20	13.75	ST	20M @12" TOP ADD'L	392.40
4886	112			14	20	13.75	ST	14-20M TOP ADD'L	289.14
4887	112			2	20	7.83	ST	2-20M BOT.ADD'L	23.53
4888	112			35	15	8.42	HB	15M @12" TOP ADD'L	307.26

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4889	112			2	20	19.67	ST	2-20M BOT.ADD'L	59.08
4890	112			4	15	3.92	HB	15M @18" TOP ADD'L	16.34
4891	112			3	15	16.33	ST	3-15M BOT.ADD'L	51.11
4892	112			6	15	19.67	ST	6-15M BOT.ADD'L	123.08
4893	112			31	20	14.75	HB	20M @10" TOP ADD'L	686.79
4894	112			12	20	21.33	ST	12-20M TOP ADD'L	384.51
4895	112			14	25	13.75	ST	14-25M TOP ADD'L	513.98
4896	112			12	30	15.75	ST	12-30M TOP ADD'L	642.60
4897	112			8	15	4.92	HB	15M @18" TOP ADD'L	41.03
4898	112			23	15	3.92	HB	15M @10" TOP ADD'L	93.96
4899	112			11	20	23.00	ST	20M @10" TOP ADD'L	380.01
4900	112			12	30	12.50	ST	12-30M TOP ADD'L	510.00
4901	112			11	30	9.00	ST	30M @10" BOT.ADD'L	336.60
4902	112			35	25	15.75	ST	25M @10" TOP ADD'L	1471.84
4903	112			12	25	15.75	ST	12-25M TOP ADD'L	504.63
4904	112			11	35	18.00	ST	35M @10" BOT.ADD'L	1051.97
4905	112			12	30	15.75	ST	12-30M TOP ADD'L	642.60
4906	112			12	25	15.75	ST	12-25M TOP ADD'L	504.63
4907	112			18	25	10.42	ST	25M @10" TOP ADD'L	500.64
4908	112	2 LAYERS		24	35	29.33	ST	35M @6" TOP ADD'L	3740.31
4909	112			73	25	33.33	ST	25M @8" TOP ADD'L	6496.94
4910	112			41	35	23.00	ST	35M @10" BOT.ADD'L	5010.16
4911	112			25	35	14.75	ST	35M @10" BOT.ADD'L	1959.17
4912	112			65	35	34.17	ST	35M @6" TOP ADD'L	11799.40
4913	112			91	25	14.75	ST	25M @6" TOP AADD'L	3583.81
4914	112			37	15	12.50	ST	15M @10" TOP ADD'L	482.39
4915	112			285	15	3.92	HB	15M @18" TOP ADD'L	1164.35
4916	112			3	15	16.33	ST	3-15M BOT.ADD'L	51.11
4917									
4918									
4919	113	LEVEL 2 - REF:S-8		24	20	21.33	ST	24-20M TOP ADD'L	769.01
4920	113			24	20	23.00	ST	24-20M TOP ADD'L	829.10
4921	113								
4922	113		2	24	20	15.42	ST	24-20M TOP ADD'L	1111.50
4923	113								
4924	113			18	20	16.33	ST	18-20M TOP ADD'L	441.58
4925	113			20	20	15.42	ST	20-20M TOP ADD'L	463.13
4926	113								
4927	113			24	20	15.75	ST	24-20M TOP ADD'L	567.76
4928	113			18	20	16.33	ST	18-20M TOP ADD'L	441.58
4929	113								
4930	113		2	22	20	14.75	ST	22-20M TOP ADD'L	974.80
4931	113		2	24	20	18.00	ST	24-20M TOP ADD'L	1297.73
4932	113								
4933	113			16	20	15.42	ST	16-20M TOP ADD'L	370.50
4934	113			18	20	13.08	ST	18-20M TOP ADD'L	353.71
4935	113								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4936	113			22	20	15.42	ST	22-20M TOP ADD'L	509.44
4937	113			24	20	18.00	ST	24-20M TOP ADD'L	648.86
4938	113								
4939	113			16	15	11.75	ST	16-15M TOP ADD'L	196.08
4940	113			20	20	18.00	ST	20-20M TOP ADD'L	540.72
4941	113								
4942	113			18	20	13.08	ST	18-20M TOP ADD'L	353.71
4943	113			14	20	15.75	ST	14-20M TOP ADD'L	331.19
4944	113								
4945	113			24	20	21.33	ST	24-20M TOP ADD'L	769.01
4946	113			28	20	15.75	ST	28-20M TOP ADD'L	662.38
4947	113								
4948	113			20	20	21.33	ST	20-20M TOP ADD'L	640.84
4949	113			30	20	15.42	ST	30-20M TOP ADD'L	694.69
4950	113								
4951	113			20	20	16.33	ST	20-20M TOP ADD'L	490.64
4952	113			22	20	15.75	ST	22-20M TOP ADD'L	520.44
4953	113								
4954	113			16	25	19.67	ST	16-25M TOP ADD'L	840.17
4955	113			20	20	15.42	ST	20-20M TOP ADD'L	463.13
4956	113								
4957	113			12	20	13.75	ST	12-20M TOP ADD'L	247.83
4958	113								
4959	113			12	20	9.00	HB	12-20M TOP ADD'L	162.22
4960	113			12	15	13.75	ST	12-15M TOP ADD'L	172.10
4961	113								
4962	113			14	15	9.00	HB	14-15M TOP ADD'L	131.42
4963	113			10	15	11.75	ST	10-15M TOP ADD'L	122.55
4964	113								
4965	113			24	20	15.75	ST	24-20M TOP ADD'L	567.76
4966	113			18	20	16.33	ST	18-20M TOP ADD'L	441.58
4967	113								
4968	113			24	20	19.67	ST	24-20M TOP ADD'L	708.96
4969	113			20	20	12.50	ST	20-20M TOP ADD'L	375.50
4970	113								
4971	113			14	15	14.75	ST	14-15M TOP ADD'L	215.38
4972	113			12	15	9.83	ST	12-15M TOP ADD'L	123.07
4973	113								
4974	113			20	20	15.75	ST	20-20M TOP ADD'L	473.13
4975	113			20	20	16.33	ST	20-20M TOP ADD'L	490.64
4976	113								
4977	113			20	20	19.67	ST	20-20M TOP ADD'L	590.80
4978	113			20	20	12.50	ST	20-20M TOP ADD'L	375.50
4979	113								
4980	113			26	20	19.67	ST	26-20M TOP ADD'L	768.15
4981	113			14	20	12.50	ST	14-20M TOP ADD'L	262.85
4982	113								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
4983	113			20	20	19.67	ST	20-20M TOP ADD'L	590.80
4984	113			20	20	12.50	ST	20-20M TOP ADD'L	375.50
4985	113								
4986	113			18	20	16.33	ST	18-20M TOP ADD'L	441.58
4987	113			18	20	14.75	ST	18-20M TOP ADD'L	398.78
4988	113								
4989	113			12	20	18.00	ST	12-20M TOP ADD'L	324.43
4990	113			16	15	9.83	ST	16-15M TOP ADD'L	164.09
4991	113								
4992	113			16	15	10.42	ST	16-15M TOP ADD'L	173.84
4993	113			12	20	11.75	ST	12-20M TOP ADD'L	211.78
4994	113			18	15	21.33	ST	18-15M TOP ADD'L	400.51
4995	113			22	20	13.75	ST	22-20M TOP ADD'L	454.36
4996	113			13	15	10.42	HB	15M @10" TOP ADD'L	141.24
4997	113			14	15	4.92	HB	15M @18" TOP ADD'L	71.80
4998	113			44	15	16.33	ST	15M @15" BOT.ADD'L	749.55
4999	113			12	15	9.00	ST	12-15M TOP ADD'L	112.64
5000	113			11	15	18.00	ST	15M @15" BOT.ADD'L	206.51
5001	113			8	20	14.75	ST	8-20M TOP ADD'L	177.24
5002	113			54	20	21.33	ST	54-20M TOP ADD'L	1730.28
5003	113			29	15	11.75	HB	15M @12" TOP ADD'L	355.40
5004	113			20	20	13.75	HB	20M @12" TOP ADD'L	413.05
5005	113			3	15	16.33	ST	3-15M BOT.ADD'L	51.11
5006	113			14	20	13.75	ST	14-20M TOP ADD'L	289.14
5007	113			2	20	7.83	ST	2-20M BOT.ADD'L	23.53
5008	113			6	15	3.92	HB	15M @12" TOP ADD'L	24.51
5009	113			35	15	8.42	HB	15M @12" TOP ADD'L	307.26
5010	113			2	20	19.67	ST	2-20M BOT.ADD'L	59.08
5011	113			28	15	16.33	ST	15M @15" BOT.ADD'L	476.99
5012	113			88	15	16.33	ST	15M @15" BOT.ADD'L	1499.11
5013	113			8	15	3.92	HB	15M @18" TOP ADD'L	32.68
5014	113			12	15	14.75	ST	15M @10" TOP ADD'L	184.61
5015	113			6	15	3.92	HB	15M @18" TOP ADD'L	24.51
5016	113			10	20	13.08	ST	10-20M TOP ADD'L	196.51
5017	113			20	15	3.92	HB	15M @18" TOP ADD'L	81.71
5018	113			2	15	10.42	ST	2-15M BOT.ADD'L	21.73
5019	113			2	15	13.75	ST	2-15M BOT.ADD'L	28.68
5020	113			10	15	21.33	ST	10-15M TOP ADD'L	222.50
5021	113			12	15	13.75	ST	15M @10" TOP ADD'L	172.10
5022	113			6	15	3.92	HB	15M @18" TOP ADD'L	24.51
5023	113			8	15	13.08	ST	8-15M TOP ADD'L	109.16
5024	113			9	15	3.92	HB	15M @18" TOP ADD'L	36.77
5025	113			18	20	18.00	ST	20M @6" TOP ADD'L	486.65
5026	113			6	15	3.92	HB	15M @18" TOP ADD'L	24.51
5027	113			16	20	13.08	ST	16-20M TOP ADD'L	314.41
5028	113			9	15	3.92	HB	15M @18" TOP ADD'L	36.77
5029	113			14	15	14.75	ST	15M @12" TOP ADD'L	215.38

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
5030	113			6	15	9.00	ST	6-15M TOP ADD'L	56.32
5031	113			14	15	18.00	HB	15M @10" TOP ADD'L	262.84
5032	113			14	15	11.83	HB	14-15M TOP ADD'L	172.79
5033	113		3	2	15	10.42	ST	2-15M BOT.ADD'L	65.19
5034	113		3	2	15	13.75	ST	2-15M BOT.ADD'L	86.05
5035	113		3	12	15	7.33	ST	15M @18" TOP ADD'L	275.34
5036	113		5	6	15	10.42	ST	6-15M TOP ADD'L	325.95
5037	113			12	20	9.83	HB	12-20M TOP ADD'L	177.23
5038	113		3	12	20	13.08	HB	12-20M TOP ADD'L	707.42
5039	113		3	16	15	13.08	ST	15M @16" TOP ADD'L	654.99
5040	113			10	20	24.58	ST	10-20M TOP ADD'L	369.24
5041	113		2	11	15	3.92	HB	15M @18" TOP ADD'L	89.88
5042	113			11	15	10.42	ST	15M @18" TOP ADD'L	119.51
5043	113			37	15	4.92	HB	15M @18" TOP ADD'L	189.75
5044	113			17	15	4.92	HB	15M @18" TOP ADD'L	87.18
5045	113			270	15	3.92	HB	15M @18" TOP ADD'L	1103.07
5046	113			10	15	21.33	ST	10-15M TOP ADD'L	222.50
5047	113			6	15	19.67	ST	6-15M BOT.ADD'L	123.08
5048	113			3	15	18.00	ST	3-15M BOT.ADD'L	56.32
5049									
5050									
5051	114	LEVEL 3 - REF:S-9		24	20	21.33	ST	24-20M TOP ADD'L	769.01
5052	114			24	20	23.00	ST	24-20M TOP ADD'L	829.10
5053	114								
5054	114		2	24	20	15.42	ST	24-20M TOP ADD'L	1111.50
5055	114								
5056	114			18	20	16.33	ST	18-20M TOP ADD'L	441.58
5057	114			20	20	15.42	ST	20-20M TOP ADD'L	463.13
5058	114								
5059	114			24	20	15.75	ST	24-20M TOP ADD'L	567.76
5060	114			18	20	16.33	ST	18-20M TOP ADD'L	441.58
5061	114								
5062	114		2	22	20	14.75	ST	22-20M TOP ADD'L	974.80
5063	114		2	24	20	18.00	ST	24-20M TOP ADD'L	1297.73
5064	114								
5065	114			16	20	15.42	ST	16-20M TOP ADD'L	370.50
5066	114			18	20	13.08	ST	18-20M TOP ADD'L	353.71
5067	114								
5068	114			22	20	15.42	ST	22-20M TOP ADD'L	509.44
5069	114			24	20	18.00	ST	24-20M TOP ADD'L	648.86
5070	114								
5071	114			16	15	11.75	ST	16-15M TOP ADD'L	196.08
5072	114			20	20	18.00	ST	20-20M TOP ADD'L	540.72
5073	114								
5074	114			18	20	13.08	ST	18-20M TOP ADD'L	353.71
5075	114			14	20	15.75	ST	14-20M TOP ADD'L	331.19
5076	114								

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
5077	114			24	20	21.33	ST	24-20M TOP ADD'L	769.01
5078	114			28	20	15.75	ST	28-20M TOP ADD'L	662.38
5079	114								
5080	114			20	20	21.33	ST	20-20M TOP ADD'L	640.84
5081	114			30	20	15.42	ST	30-20M TOP ADD'L	694.69
5082	114								
5083	114			20	20	16.33	ST	20-20M TOP ADD'L	490.64
5084	114			22	20	15.75	ST	22-20M TOP ADD'L	520.44
5085	114								
5086	114			16	25	19.67	ST	16-25M TOP ADD'L	840.17
5087	114			20	20	15.42	ST	20-20M TOP ADD'L	463.13
5088	114								
5089	114			12	20	13.75	ST	12-20M TOP ADD'L	247.83
5090	114								
5091	114			14	20	13.75	ST	12-20M TOP ADD'L	289.14
5092	114								
5093	114			14	15	9.00	HB	14-15M TOP ADD'L	131.42
5094	114			10	15	11.75	ST	10-15M TOP ADD'L	122.55
5095	114								
5096	114			24	20	15.75	ST	24-20M TOP ADD'L	567.76
5097	114			18	20	16.33	ST	18-20M TOP ADD'L	441.58
5098	114								
5099	114			24	20	19.67	ST	24-20M TOP ADD'L	708.96
5100	114			20	20	12.50	ST	20-20M TOP ADD'L	375.50
5101	114								
5102	114			14	15	14.75	ST	14-15M TOP ADD'L	215.38
5103	114			12	15	9.83	ST	12-15M TOP ADD'L	123.07
5104	114								
5105	114			20	20	15.75	ST	20-20M TOP ADD'L	473.13
5106	114			20	20	16.33	ST	20-20M TOP ADD'L	490.64
5107	114								
5108	114			20	20	19.67	ST	20-20M TOP ADD'L	590.80
5109	114			20	20	12.50	ST	20-20M TOP ADD'L	375.50
5110	114								
5111	114			26	20	19.67	ST	26-20M TOP ADD'L	768.15
5112	114			14	20	12.50	ST	14-20M TOP ADD'L	262.85
5113	114								
5114	114			20	20	19.67	ST	20-20M TOP ADD'L	590.80
5115	114			20	20	12.50	ST	20-20M TOP ADD'L	375.50
5116	114								
5117	114			16	20	13.08	ST	16-20M TOP ADD'L	314.41
5118	114			14	20	14.75	ST	14-20M TOP ADD'L	310.16
5119	114								
5120	114			12	20	18.00	ST	12-20M TOP ADD'L	324.43
5121	114			16	15	9.83	ST	16-15M TOP ADD'L	164.09
5122	114								
5123	114			16	15	10.42	ST	16-15M TOP ADD'L	173.84

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
5124	114			12	20	11.75	ST	12-20M TOP ADD'L	211.78
5125	114			18	15	21.33	ST	18-15M TOP ADD'L	400.51
5126	114			22	20	13.75	ST	22-20M TOP ADD'L	454.36
5127	114			18	15	21.33	ST	18-15M TOP ADD'L	400.51
5128	114			13	15	10.42	HB	15M @10" TOP ADD'L	141.24
5129	114			14	15	4.92	HB	15M @18" TOP ADD'L	71.80
5130	114			44	15	16.33	ST	15M @15" BOT.ADD'L	749.55
5131	114			12	15	9.00	ST	12-15M TOP ADD'L	112.64
5132	114			11	15	18.00	ST	15M @15" BOT.ADD'L	206.51
5133	114			8	20	14.75	ST	8-20M TOP ADD'L	177.24
5134	114			70	20	21.33	ST	70-20M TOP ADD'L	2242.95
5135	114			29	15	11.75	HB	15M @12" TOP ADD'L	355.40
5136	114			20	20	13.75	HB	20M @12" TOP ADD'L	413.05
5137	114			3	15	16.33	ST	3-15M BOT.ADD'L	51.11
5138	114			14	20	13.75	ST	14-20M TOP ADD'L	289.14
5139	114			2	20	7.83	ST	2-20M BOT.ADD'L	23.53
5140	114			6	15	3.92	HB	15M @12" TOP ADD'L	24.51
5141	114			35	15	8.42	HB	15M @12" TOP ADD'L	307.26
5142	114			2	20	19.67	ST	2-20M BOT.ADD'L	59.08
5143	114			28	15	16.33	ST	15M @15" BOT.ADD'L	476.99
5144	114			88	15	16.33	ST	15M @15" BOT.ADD'L	1499.11
5145	114			8	15	3.92	HB	15M @18" TOP ADD'L	32.68
5146	114			12	15	14.75	ST	15M @10" TOP ADD'L	184.61
5147	114			6	15	3.92	HB	15M @18" TOP ADD'L	24.51
5148	114			10	20	13.08	ST	10-20M TOP ADD'L	196.51
5149	114			20	15	3.92	HB	15M @18" TOP ADD'L	81.71
5150	114			2	15	10.42	ST	2-15M BOT.ADD'L	21.73
5151	114			2	15	13.75	ST	2-15M BOT.ADD'L	28.68
5152	114			10	15	21.33	ST	10-15M TOP ADD'L	222.50
5153	114			12	15	13.75	ST	15M @10" TOP ADD'L	172.10
5154	114			6	15	3.92	HB	15M @18" TOP ADD'L	24.51
5155	114			8	15	13.08	ST	8-15M TOP ADD'L	109.16
5156	114			9	15	3.92	HB	15M @18" TOP ADD'L	36.77
5157	114			18	20	18.00	ST	20M @6" TOP ADD'L	486.65
5158	114			6	15	3.92	HB	15M @18" TOP ADD'L	24.51
5159	114			16	20	13.08	ST	16-20M TOP ADD'L	314.41
5160	114			9	15	3.92	HB	15M @18" TOP ADD'L	36.77
5161	114			14	15	14.75	ST	15M @12" TOP ADD'L	215.38
5162	114			6	15	9.00	ST	6-15M TOP ADD'L	56.32
5163	114			14	15	18.00	HB	15M @10" TOP ADD'L	262.84
5164	114			14	15	11.83	HB	14-15M TOP ADD'L	172.79
5165	114		3	2	15	10.42	ST	2-15M BOT.ADD'L	65.19
5166	114		3	2	15	13.75	ST	2-15M BOT.ADD'L	86.05
5167	114		3	12	15	7.33	ST	15M @18" TOP ADD'L	275.34
5168	114		5	6	15	10.42	ST	6-15M TOP ADD'L	325.95
5169	114			12	20	9.83	HB	12-20M TOP ADD'L	177.23
5170	114		3	12	20	13.08	HB	12-20M TOP ADD'L	707.42

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
5171	114		3	16	15	13.08	ST	15M @16" TOP ADD'L	654.99
5172	114			10	20	24.58	ST	10-20M TOP ADD'L	369.24
5173	114		2	11	15	3.92	HB	15M @18" TOP ADD'L	89.88
5174	114			11	15	10.42	ST	15M @18" TOP ADD'L	119.51
5175	114			37	15	4.92	HB	15M @18" TOP ADD'L	189.75
5176	114			17	15	4.92	HB	15M @18" TOP ADD'L	87.18
5177	114			270	15	3.92	HB	15M @18" TOP ADD'L	1103.07
5178	114			10	15	21.33	ST	10-15M TOP ADD'L	222.50
5179	114			6	15	19.67	ST	6-15M BOT.ADD'L	123.08
5180	114			3	15	18.00	ST	3-15M BOT.ADD'L	56.32
5181	114		4	5	15	7.33	HB	15M @16" TOP ADD'L	152.97
5182	114			14	15	14.75	ST	15M @12" TOP ADD'L	215.38
5183	114			16	20	16.33	ST	16-20M TOP ADD'L	392.51
5184	114			12	20	13.08	HB	12-20M TOP ADD'L	235.81
5185	114			18	20	14.75	ST	18-20M TOP ADD'L	398.78
5186	114			6	15	16.33	ST	6-15M BOT.ADD'L	102.21
5187	114			12	20	13.08	HB	12-20M TOP ADD'L	235.81
5188	114			22	20	16.33	ST	22-20M TOP ADD'L	539.71
5189	114			18	20	19.67	ST	18-20M TOP ADD'L	531.72
5190	114			35	15	18.00	ST	15M @15" BOT.ADD'L	657.09
5191	114			20	20	13.08	HB	20-20M TOP ADD'L	393.01
5192	114			18	20	14.75	ST	18-20M TOP ADD'L	398.78
5193	114			6	15	16.33	ST	6-15M BOT.ADD'L	102.21
5194	114			18	20	14.75	ST	18-20M TOP ADD'L	398.78
5195	114			51	20	18.00	ST	20M @8" TOP ADD'L	1378.84
5196	114			12	20	13.08	HB	12-20M TOP ADD'L	235.81
5197	114	TB1	10	4	15	4.92	HB	2-15M T&B ADD'L	205.14
5198	114	T1	10	6	15	5.83	HB	6-15M TOP ADD'L	365.03
5199									
5200									
5201	115	LEVEL 4 - REF:S-10		28	25	21.33	ST	28-25M TOP ADD'L	1594.86
5202	115			24	25	23.00	ST	24-25M TOP ADD'L	1473.84
5203	115								
5204	115		2	18	30	15.42	ST	18-30M TOP ADD'L	1887.04
5205	115								
5206	115			3	20	18.00	ST	3-20M BOT.ADD'L	81.11
5207	115								
5208	115			20	25	16.33	ST	20-25M TOP ADD'L	872.18
5209	115			18	25	15.42	ST	18-25M TOP ADD'L	740.94
5210	115								
5211	115			8	20	9.00	ST	8-20M TOP ADD'L	108.14
5212	115								
5213	115			18	15	18.00	ST	15M @12" BOT.ADD'L	337.93
5214	115								
5215	115			61	15	16.33	ST	15M @12" BOT.ADD'L	1039.15
5216	115								
5217	115			20	25	16.33	ST	20-25M TOP ADD'L	872.18

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
5218	115			20	30	15.75	ST	20-30M TOP ADD'L	1071.00
5219	115								
5220	115			20	30	14.75	ST	20-30M TOP ADD'L	1003.00
5221	115			22	30	18.00	ST	22-30M TOP ADD'L	1346.40
5222	115								
5223	115			22	30	18.00	ST	22-30M TOP ADD'L	1346.40
5224	115			18	30	14.75	ST	18-30M TOP ADD'L	902.70
5225	115								
5226	115			16	25	15.42	ST	16-25M TOP ADD'L	658.61
5227	115			16	25	13.08	ST	16-25M TOP ADD'L	558.91
5228	115								
5229	115			42	15	16.33	ST	15M @12" BOT.ADD'L	715.48
5230	115								
5231	115			3	20	18.00	ST	3-20M BOT.ADD'L	81.11
5232	115								
5233	115			16	25	16.33	ST	16-25M TOP ADD'L	697.75
5234	115			16	30	15.75	ST	16-30M TOP ADD'L	856.80
5235	115								
5236	115			16	30	15.42	ST	16-30M TOP ADD'L	838.68
5237	115			18	25	18.00	ST	18-25M TOP ADD'L	865.08
5238	115								
5239	115			14	30	11.75	ST	14-30M TOP ADD'L	559.30
5240	115			18	25	18.00	ST	18-25M TOP ADD'L	865.08
5241	115								
5242	115			16	25	15.42	ST	16-25M TOP ADD'L	658.61
5243	115			18	25	13.08	ST	18-25M TOP ADD'L	628.77
5244	115								
5245	115			28	30	15.75	ST	28-30M TOP ADD'L	1499.40
5246	115			36	30	21.33	ST	36-30M TOP ADD'L	2611.16
5247	115								
5248	115			6	35	13.08	ST	6-35M BOT.ADD'L	417.06
5249	115								
5250	115			53	30	23.00	ST	30M @11" BOT.ADD'L	4144.60
5251	115								
5252	115			52	35	19.67	ST	52-35M BOT.ADD'L	5433.52
5253	115								
5254	115			47	30	14.75	ST	30M @11" BOT.ADD'L	2357.05
5255	115								
5256	115			44	35	21.33	ST	44-35M TOP ADD'L	4987.06
5257	115			32	35	15.42	ST	32-35M TOP ADD'L	2621.14
5258	115								
5259	115			16	20	18.00	ST	16-20M TOP ADD'L	432.58
5260	115								
5261	115			22	30	23.00	ST	22-30M TOP ADD'L	1720.40
5262	115			18	30	15.42	ST	18-30M TOP ADD'L	943.52
5263	115								
5264	115			3	15	18.00	ST	3-15M BOT.ADD'L	56.32

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
5265	115								
5266	115			20	25	15.75	ST	20-25M TOP ADD'L	841.05
5267	115			14	25	16.33	ST	14-25M TOP ADD'L	610.53
5268	115								
5269	115			3	15	18.00	ST	3-15M BOT.ADD'L	56.32
5270	115								
5271	115			116	15	16.33	ST	15M @12" BOT.ADD'L	1976.10
5272	115								
5273	115			14	25	23.00	ST	14-25M TOP ADD'L	859.74
5274	115			16	30	13.75	ST	16-30M TOP ADD'L	748.00
5275	115								
5276	115			18	30	16.33	ST	18-30M TOP ADD'L	999.58
5277	115			56	35	21.33	ST	56-35M TOP ADD'L	6347.16
5278	115			14	25	13.75	ST	14-25M TOP ADD'L	513.98
5279	115			15	20	18.00	HB	20M @6" TOP ADD'L	405.54
5280	115			14	30	13.75	ST	14-30M TOP ADD'L	654.50
5281	115			52	35	21.33	ST	52-35M TOP ADD'L	5893.80
5282	115			14	15	11.75	HB	14-15M TOP ADD'L	171.57
5283	115			34	30	18.00	ST	34-30M TOP ADD'L	2080.80
5284	115			14	25	9.83	ST	14-25M TOP ADD'L	367.56
5285	115			16	30	29.50	ST	16-30M TOP ADD'L	1604.80
5286	115			10	30	10.42	ST	10-30M BOT.ADD'L	354.18
5287	115			53	35	18.00	ST	35M @8" TOP ADD'L	5068.60
5288	115			4	15	3.92	HB	15M @18" TOP ADD'L	16.34
5289	115			2	25	7.83	ST	2-25M BOT.ADD'L	41.83
5290	115			2	25	18.00	ST	2-25M BOT.ADD'L	96.12
5291	115			4	15	4.92	HB	15M @18" TOP ADD'L	20.51
5292	115			32	15	7.83	HB	15M @6" TOP ADD'L	261.43
5293	115			10	25	10.42	ST	10-25M TOP ADD'L	278.13
5294	115			18	25	14.75	ST	18-25M TOP ADD'L	708.89
5295	115								
5296	115			14	25	23.00	ST	14-25M TOP ADD'L	859.74
5297	115			20	20	12.50	ST	20-20M TOP ADD'L	375.50
5298	115								
5299	115			14	30	19.67	ST	14-30M TOP ADD'L	936.15
5300	115			22	30	16.33	ST	22-30M TOP ADD'L	1221.48
5301	115								
5302	115			16	25	16.33	ST	16-25M TOP ADD'L	697.75
5303	115			20	25	15.75	ST	20-25M TOP ADD'L	841.05
5304	115								
5305	115			14	20	10.42	ST	14-20M TOP ADD'L	219.05
5306	115			10	20	9.83	ST	10-20M TOP ADD'L	147.69
5307	115								
5308	115			14	15	4.92	HB	15M @18" TOP ADD'L	71.80
5309	115			12	15	10.42	HB	15M @10" TOP ADD'L	130.38
5310	115			16	20	21.33	ST	16-20M TOP ADD'L	512.67
5311	115			16	25	13.75	ST	16-25M TOP ADD'L	587.40

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
5312	115								
5313	115			14	30	23.00	ST	14-30M TOP ADD'L	1094.80
5314	115			20	30	12.50	ST	20-30M TOP ADD'L	850.00
5315	115								
5316	115			6	30	9.00	ST	6-30M BOT.ADD'L	183.60
5317	115								
5318	115			16	30	13.75	ST	16-30M BOT.ADD'L	748.00
5319	115								
5320	115			12	25	12.50	ST	12-25M TOP ADD'L	400.50
5321	115								
5322	115			4	15	4.92	ST	15M @18" TOP ADD'L	20.51
5323	115			27	35	15.75	ST	35M @12" TOP ADD'L	2259.35
5324	115								
5325	115			16	30	14.75	ST	16-30M BOT.ADD'L	802.40
5326	115								
5327	115			14	30	19.67	ST	14-30M TOP ADD'L	936.15
5328	115			18	30	16.33	ST	18-30M TOP ADD'L	999.58
5329	115								
5330	115			56	30	26.25	ST	30M @11" BOT.ADD'L	4998.00
5331	115								
5332	115			10	20	14.75	HB	10-20M TOP ADD'L	221.55
5333	115			16	35	16.33	ST	16-35M BOT.ADD'L	1388.44
5334	115			16	30	16.33	ST	16-30M BOT.ADD'L	888.52
5335	115			14	20	11.75	ST	14-20M TOP ADD'L	247.08
5336	115								
5337	115			18	15	9.83	ST	18-15M TOP ADD'L	184.60
5338	115			16	20	14.75	HB	16-20M TOP ADD'L	354.47
5339	115								
5340	115			38	30	14.75	ST	30M @8" TOP ADD'L	1905.70
5341	115								
5342	115			18	30	13.08	ST	18-30M TOP ADD'L	800.68
5343	115			16	15	14.75	ST	16-15M TOP ADD'L	246.15
5344	115								
5345	115			31	30	18.00	ST	30M @10" TOP ADD'L	1897.20
5346	115			20	30	13.08	ST	20-30M TOP ADD'L	889.64
5347	115			6	30	11.75	ST	6-30M BOT.ADD'L	239.70
5348	115			22	30	11.75	ST	22-30M BOT.ADD'L	878.90
5349	115								
5350	115			14	20	9.83	ST	14-20M TOP ADD'L	206.77
5351	115			14	30	18.00	ST	14-30M TOP ADD'L	856.80
5352	115								
5353	115			30	15	14.75	ST	15M @10" TOP ADD'L	461.53
5354	115			26	15	13.75	ST	15M @12" TOP ADD'L	372.87
5355	115			69	15	9.00	HB	15M @10" TOP ADD'L	647.70
5356	115		4	16	15	3.92	HB	15M @18" TOP ADD'L	261.47
5357	115		4	15	15	4.92	HB	15M @18" TOP ADD'L	307.71
5358	115		2	37	20	13.08	ST	20M @12" TOP ADD'L	1454.15

ESTIMATED TAKEOFF
MULTI-FAMILY RESIDENTIAL DEVELOPMENT PHASE 1 & 2

Project No: KRS - 012

Bid Date: 5/14/2018

LINE	CODE	ELEMENTS	MULTI	QTY	BAR SIZE	LENGTH 'FT'	BEND TYPE	REMARKS	WEIGHT 'LBS'
5359	115			27	15	13.08	ST	15M @12" TOP ADD'L	368.43
5360	115			26	15	9.00	HB	15M @12" TOP ADD'L	244.06
5361	115								
5362	115	T1	8	8	15	5.92	ST	8-15M TOP ADD'L	394.97
5363	115	T2	5	6	15	7.83	HB	6-15M TOP ADD'L	245.09
5364	115	T3	2	8	15	7.83	ST	8-15M TOP ADD'L	130.72
5365									
5366									
5367	110	PHASE 1							
5368	110	MASONRY DOWELS - REF:S-5,S,S-1 & 1/S-4							
5369	110	THICKENED SLAB		52	15	19.67	SL	2-15M CONT.	1066.66
5370	110		15	2	15	4.00	HB	15M COR.	125.16
5371	126			167	15	4.00	HB	15M @48" DWL.	696.72
5372	126			394	15	4.17	HB	15M @48" DWL.	1711.98
5373									
5374									
5375	210	PHASE 1							
5376	210	MASONRY DOWELS - REF:S-5,S,S-1 & 1/S-4							
5377	210	THICKENED SLAB		30	15	19.67	SL	2-15M CONT.	615.38
5378	210		10	2	15	4.00	HB	15M COR.	83.44
5379	226			101	15	4.00	HB	15M @48" DWL.	421.37
5380	226			424	15	4.17	HB	15M @48" DWL.	1842.34
5381									
5382									
5383									
5384									
5385									
5386									
5387									
5388									
5389									
5390									
5391									
5392									
5393									
5394									
5395									
5396									
5397									
5398									
5399									
5400									
5401									
5402									
5403									
Total Weight									8827022.76