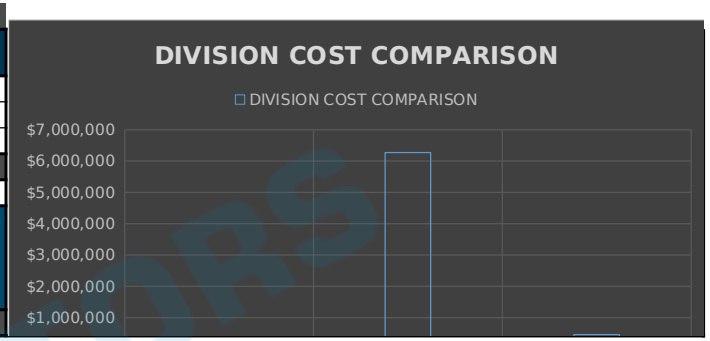
GENERAL SUMMARY

Prepared for: Old Dominion University, New Biology Building, 4508 Elkhorn Avenue Norfolk, VA 23529
Project ID: 7292024
Scope: Concrete
No. Of Floors: 6
Date: 6-Oct-26

USA ESTIMATORS
+1 (214) 556-2605

BUILDING GSF		166,354	
DIVISION NO.	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	$ 202,000	$ 1
3000	Concrete	$ 6,270,200	$ 37.69
32000	Site Improvements	$ 457,671	$ 2.75
TOTAL TRADE COST		$ 6,929,872	$ 42
OVERHEAD AND PROFIT	15%	$ 1,039,481	$ 6
INSURANCE	2%	$ 138,597	$ 1
CONTINGENCY	3%	$ 207,896	$ 1
TAX	6%	$ 233,576	$ 2
TOTAL TRADE COST		$ 8,549,422	$ 52



DETAILED BREAKDOWN OF ITEMS

Prepared for: Old Dominion University, New Biology Building, 4508 Elkhorn Avenue Norfolk, VA 23529
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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			GENERAL REQUIREMENTS										
1			Permits	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
2			Supervision and Coordination	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 75,000.00	$ 75,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
4			Final Cleaning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 15,000.00	$ 15,000.00
5			Mobilization Costs	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 80,000.00	$ 80,000.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 32,000.00	$ 32,000.00
												SUBTOTAL	**$ 202,000**
			CONCRETE										
			CAST IN PLACE CONCRETE										
			CONCRETE BEAMS (5000 PSI):										
7			**CB30x36: (30" x 36") Concrete Beam (45' L)**	CY	12.50	10%	14	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 4,235
8			Main Reinforcement: (7) #9 Rebars Top & Bottom	LBS	2570	10%	2827	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,913
9			Stirrups: #5 Stirrups @ 6" O.C	LBS	1622	10%	1784	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,469
10			Formwork	SF	383	10%	421	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 663
11			**CB36x20: (36" x 20") Concrete Beam (11' L)**	CY	2.04	10%	2	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 692
12			Main Reinforcement: (7) #8 Rebars Top & Bottom	LBS	378	10%	416	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 575
13			Stirrups: #4 Stirrups @ 8" O.C	LBS	123	10%	136	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 188
14			Formwork	SF	70	10%	77	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 121
15			**CB36x30: (36" x 30") Concrete Beam (40' L)**	CY	11.11	10%	12	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 3,764
16			Main Reinforcement: (7) #9 Rebars Top & Bottom	LBS	2285	10%	2513	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,478
17			Stirrups: #5 Stirrups @ 5" O.C	LBS	1754	10%	1930	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,671
18			Formwork	SF	320	10%	352	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 554
19			**CB48x20: (48" x 20") Concrete Beam (253' L)**	CY	62.59	10%	69	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 21,207
20			Main Reinforcement: (9) #8 Rebars Top & Bottom	LBS	14591	10%	16050	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 22,213
21			Stirrups: #4 Stirrups @ 8" O.C	LBS	4243	10%	4667	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 6,460
22			Formwork	SF	1857	10%	2043	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 3,217
23			**CB48x24: (48" x 24") Concrete Beam (132' L)**	CY	39.11	10%	43	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 13,251
24			Main Reinforcement: (9) #8 Rebars Top & Bottom	LBS	7613	10%	8374	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 11,590
25			Stirrups: #4 Stirrups @ 8" O.C	LBS	2675	10%	2942	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,072
26			Formwork	SF	1056	10%	1162	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,830
27			**CB48x42: (48" x 42") Concrete Beam (44' L)**	CY	22.81	10%	25	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 7,730
28			Main Reinforcement: (8) #10 Rebars Top	LBS	2231	10%	2454	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,396
29			Main Reinforcement: (10) #10 Rebars Bottom	LBS	2272	10%	2499	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,459
30			Stirrups: #4 Stirrups @ 6" O.C	LBS	1061	10%	1167	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,616
31			Formwork	SF	484	10%	532	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 839
32			**CB72x42: (72" x 42") Concrete Beam (45' L)**	CY	35.00	10%	39	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 11,858
33			Main Reinforcement: (16) #10 Rebars Top	LBS	4544	10%	4998	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 6,918
34			Main Reinforcement: (18) #10 Rebars Bottom	LBS	4183	10%	4601	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 6,367
35			Stirrups: #5 Stirrups @ 6" O.C	LBS	2854	10%	3139	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,344
36			Formwork	SF	585	10%	644	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,014
			CONCRETE COLUMNS (6000 PSI):										
37			**24" Dia Concrete Column (14'-8" H, 1 EA)**	CY	1.71	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 591
38			Vertical Reinforcement: (12) #6 Rebars Vertical	LBS	368	10%	404	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 560
39			Stirrups: #4 Stirrups @ 3" O.C	LBS	297	10%	326	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 452

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Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
40			Formwork	SF	92	10%	102	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 160
41			**24" Dia Concrete Column (14'-8" H, 1 EA)**	CY	1.71	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 591
42			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	436	10%	479	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 663
43			Stirrups: #4 Stirrups @ 12" O.C	LBS	74	10%	82	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 113
44			Formwork	SF	92	10%	102	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 160
45			**24" Dia Concrete Column (14'-8" H, 3 EA)**	CY	5.12	10%	6	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,774
46			Vertical Reinforcement: (10) #8 Rebars Vertical	LBS	1634	10%	1797	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,488
47			Stirrups: #4 Stirrups @ 12" O.C	LBS	223	10%	245	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 339
48			Formwork	SF	277	10%	305	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 480
49			**24" Dia Concrete Column (15'-0" H, 1 EA)**	CY	1.75	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 605
50			Vertical Reinforcement: (10) #9 Rebars Vertical	LBS	694	10%	763	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,056
51			Stirrups: #4 Stirrups @ 12" O.C	LBS	76	10%	83	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 115
52			Formwork	SF	94	10%	104	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 163
53			**24" Dia Concrete Column (15'-0" H, 2 EA)**	CY	3.49	10%	4	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,210
54			Vertical Reinforcement: (10) #8 Rebars Vertical	LBS	1089	10%	1198	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,658
55			Stirrups: #4 Stirrups @ 12" O.C	LBS	152	10%	167	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 231
56			Formwork	SF	189	10%	208	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 327
57			**24" Dia Concrete Column (16'-0" H, 3 EA)**	CY	5.59	10%	6	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,935
58			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	1384	10%	1523	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,107
59			Stirrups: #4 Stirrups @ 12" O.C	LBS	243	10%	267	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 370
60			Formwork	SF	302	10%	332	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 523
61			**24" Dia Concrete Column (16'-0" H, 10 EA)**	CY	18.62	10%	20	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 6,451
62			Vertical Reinforcement: (10) #8 Rebars Vertical	LBS	5767	10%	6344	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 8,780
63			Stirrups: #4 Stirrups @ 12" O.C	LBS	809	10%	890	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,232
64			Formwork	SF	1006	10%	1107	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,744
65			**24" Dia Concrete Column (17'-6" H, 1 EA)**	CY	2.04	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 706
66			Vertical Reinforcement: (10) #9 Rebars Vertical	LBS	816	10%	898	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,242
67			Stirrups: #4 Stirrups @ 12" O.C	LBS	89	10%	97	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 135
68			Formwork	SF	110	10%	121	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 191
69			**24" Dia Concrete Column (20'-0" H, 1 EA)**	CY	2.33	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 806
70			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	615	10%	677	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 937
71			Stirrups: #4 Stirrups @ 12" O.C	LBS	101	10%	111	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 154
72			Formwork	SF	126	10%	138	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 218
73			**24" Dia Concrete Column (20'-0" H, 3 EA)**	CY	6.98	10%	8	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 2,419
74			Vertical Reinforcement: (10) #8 Rebars Vertical	LBS	2307	10%	2538	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,512
75			Stirrups: #4 Stirrups @ 12" O.C	LBS	303	10%	334	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 462
76			Formwork	SF	377	10%	415	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 654
77			**24" Dia Concrete Column (21'-0" H, 3 EA)**	CY	7.33	10%	8	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 2,540
78			Vertical Reinforcement: (10) #8 Rebars Vertical	LBS	2403	10%	2643	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,658
79			Stirrups: #4 Stirrups @ 12" O.C	LBS	319	10%	350	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 485
80			Formwork	SF	396	10%	436	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 687
81			**24" Dia Concrete Column (21'-4" H, 1 EA)**	CY	2.48	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 860
82			Vertical Reinforcement: (12) #6 Rebars Vertical	LBS	541	10%	595	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 823
83			Stirrups: #4 Stirrups @ 3" O.C	LBS	432	10%	475	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 657
84			Formwork	SF	134	10%	148	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 233
85			**28" Dia Concrete Column (14'-8" H, 1 EA)**	CY	2.32	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 805
86			Vertical Reinforcement: (12) #6 Rebars Vertical	LBS	368	10%	404	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 560
87			Stirrups: #4 Stirrups @ 12" O.C	LBS	86	10%	95	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 132
88			Formwork	SF	108	10%	118	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 186
89			**28" Dia Concrete Column (14'-8" H, 4 EA)**	CY	9.29	10%	10	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 3,220
90			Vertical Reinforcement: (12) #8 Rebars Vertical	LBS	2614	10%	2876	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,980
91			Stirrups: #4 Stirrups @ 3" O.C	LBS	1383	10%	1522	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,106
92			Formwork	SF	430	10%	473	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 745
93			**28" Dia Concrete Column (16'-0" H, 1 EA)**	CY	2.53	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 878
94			Vertical Reinforcement: (12) #6 Rebars Vertical	LBS	389	10%	428	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 593
95			Stirrups: #4 Stirrups @ 12" O.C	LBS	94	10%	104	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 144
96			Formwork	SF	117	10%	129	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 203
97			**28" Dia Concrete Column (16'-0" H, 4 EA)**	CY	10.14	10%	11	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 3,512
98			Vertical Reinforcement: (12) #8 Rebars Vertical	LBS	2768	10%	3045	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,214
99			Stirrups: #4 Stirrups @ 3" O.C	LBS	1509	10%	1660	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,297

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100	S121, S131, S141, S151, S161, S423	S509, S601, S602	Formwork	SF	469	10%	516	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 813
101			**28" Dia Concrete Column (20'-0" H, 1 EA)**	CY	3.17	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,098
102			Vertical Reinforcement: (12) #6 Rebars Vertical	LBS	519	10%	571	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 790
103			Stirrups: #4 Stirrups @ 12" O.C	LBS	118	10%	130	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 179
104			Formwork	SF	147	10%	161	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 254
105			**28" Dia Concrete Column (20'-0" H, 3 EA)**	CY	9.50	10%	10	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 3,293
106			Vertical Reinforcement: (12) #8 Rebars Vertical	LBS	2768	10%	3045	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,214
107			Stirrups: #4 Stirrups @ 3" O.C	LBS	1415	10%	1556	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,154
108			Formwork	SF	440	10%	484	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 762
109			**(20" x 24") Concrete Column (18'-6" H, 1 EA)**	CY	2.29	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 793
110			Vertical Reinforcement: (10) #7 Rebars Vertical	LBS	540	10%	594	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 822
111			Stirrups: #4 Stirrups @ 12" O.C	LBS	218	10%	240	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 332
112			Formwork	SF	136	10%	149	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 235
113			**(24" x 12") Concrete Column (14'-10" H, 3 EA)**	CY	3.30	10%	4	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,142
114			Vertical Reinforcement: (10) #6 Rebars Vertical	LBS	919	10%	1011	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,399
115			Stirrups: #4 Stirrups @ 9" O.C	LBS	572	10%	630	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 872
116			Formwork	SF	267	10%	294	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 463
117			**(24" x 24") Concrete Column (13'-4" H, 2 EA)**	CY	3.95	10%	4	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,370
118			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	871	10%	959	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,327
119			Stirrups: #4 Stirrups @ 12" O.C	LBS	343	10%	378	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 523
120			Formwork	SF	213	10%	235	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 370
121			**(24" x 24") Concrete Column (14'-0" H, 1 EA)**	CY	2.07	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 719
122			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	410	10%	451	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 624
123			Stirrups: #4 Stirrups @ 12" O.C	LBS	180	10%	198	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 274
124			Formwork	SF	112	10%	123	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 194
125			**(24" x 24") Concrete Column (14'-8" H, 1 EA)**	CY	2.17	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 753
126			Vertical Reinforcement: (4) #12 Rebars Vertical	LBS	624	10%	687	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 950
127			Stirrups: #10 Stirrups @ 7" O.C	LBS	1038	10%	1141	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,580
128			Formwork	SF	117	10%	129	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 203
129			**(24" x 24") Concrete Column (14'-8" H, 14 EA)**	CY	30.43	10%	33	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 10,543
130			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	6100	10%	6710	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 9,287
131			Stirrups: #4 Stirrups @ 12" O.C	LBS	2642	10%	2906	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,022
132			Formwork	SF	1643	10%	1807	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,847
133			**(24" x 24") Concrete Column (14'-8" H, 8 EA)**	CY	17.39	10%	19	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 6,024
134			Vertical Reinforcement: (10) #7 Rebars Vertical	LBS	3336	10%	3669	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 5,078
135			Stirrups: #4 Stirrups @ 12" O.C	LBS	1510	10%	1661	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,298
136			Formwork	SF	939	10%	1033	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,627
137			**(24" x 24") Concrete Column (14'-8" H, 1 EA)**	CY	2.17	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 753
138			Vertical Reinforcement: (10) #8 Rebars Vertical	LBS	545	10%	599	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 829
139			Stirrups: #4 Stirrups @ 12" O.C	LBS	189	10%	208	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 287
140			Formwork	SF	117	10%	129	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 203
141			**(24" x 24") Concrete Column (14'-8" H, 1 EA)**	CY	2.17	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 753
142			Vertical Reinforcement: (10) #9 Rebars Vertical	LBS	694	10%	763	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,056
143			Stirrups: #4 Stirrups @ 12" O.C	LBS	189	10%	208	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 287
144			Formwork	SF	117	10%	129	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 203
145			**(24" x 24") Concrete Column (14'-8" H, 1 EA)**	CY	2.17	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 753
146			Vertical Reinforcement: (12) #7 Rebars Vertical	LBS	500	10%	550	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 762
147			Stirrups: #4 Stirrups @ 12" O.C	LBS	189	10%	208	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 287
148			Formwork	SF	117	10%	129	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 203
149			**(24" x 24") Concrete Column (14'-8" H, 1 EA)**	CY	2.17	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 753
150			Vertical Reinforcement: (10) #11 Rebars Vertical	LBS	1084	10%	1192	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,650
151			Stirrups: #4 Stirrups @ 12" O.C	LBS	189	10%	208	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 287
152			Formwork	SF	117	10%	129	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 203
153			**(24" x 24") Concrete Column (14'-8" H, 1 EA)**	CY	2.17	10%	2	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 753
154			Vertical Reinforcement: (12) #11 Rebars Vertical	LBS	1301	10%	1431	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,980
155			Stirrups: #4 Stirrups @ 12" O.C	LBS	189	10%	208	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 287
156			Formwork	SF	117	10%	129	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 203
157			**(24" x 24") Concrete Column (14'-10" H, 3 EA)**	CY	6.59	10%	7	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 2,282
158			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	1307	10%	1438	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,990
159			Stirrups: #4 Stirrups @ 12" O.C	LBS	572	10%	629	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 871

DETAILED BREAKDOWN OF ITEMS

Prepared for: Old Dominion University, New Biology Building, 4508 Elkhorn Avenue Norfolk, VA 23529
Project ID: 7292024
Scope: Concrete

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
160			Formwork	SF	356	10%	391	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 616
161			**(24" x 24") Concrete Column (14'-10" H, 10 EA)**	CY	21.95	10%	24	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 7,606
162			Vertical Reinforcement: (8) #9 Rebars Vertical	LBS	5549	10%	6104	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 8,447
163			Stirrups: #4 Stirrups @ 12" O.C	LBS	1906	10%	2097	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,902
164			Formwork	SF	1185	10%	1304	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,054
165			**(24" x 24") Concrete Column (16'-0" H, 2 EA)**	CY	4.74	10%	5	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,643
166			Vertical Reinforcement: (4) #12 Rebars Vertical	LBS	1395	10%	1535	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,124
167			Stirrups: #10 Stirrups @ 7" O.C	LBS	2263	10%	2490	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,446
168			Formwork	SF	256	10%	282	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 444
169			**(24" x 24") Concrete Column (16'-0" H, 52 EA)**	CY	123.26	10%	136	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 42,709
170			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	25324	10%	27857	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 38,554
171			Stirrups: #4 Stirrups @ 12" O.C	LBS	10703	10%	11773	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 16,294
172			Formwork	SF	6656	10%	7322	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 11,532
173			**(24" x 24") Concrete Column (16'-0" H, 29 EA)**	CY	68.74	10%	76	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 23,819
174			Vertical Reinforcement: (8) #9 Rebars Vertical	LBS	17985	10%	19783	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 27,380
175			Stirrups: #4 Stirrups @ 12" O.C	LBS	5969	10%	6566	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 9,087
176			Formwork	SF	3712	10%	4083	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 6,431
177			**(24" x 24") Concrete Column (16'-0" H, 10 EA)**	CY	23.70	10%	26	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 8,213
178			Vertical Reinforcement: (10) #7 Rebars Vertical	LBS	4660	10%	5126	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 7,095
179			Stirrups: #4 Stirrups @ 12" O.C	LBS	2058	10%	2264	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,133
180			Formwork	SF	1280	10%	1408	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,218
181			**(24" x 24") Concrete Column (16'-0" H, 2 EA)**	CY	4.74	10%	5	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,643
182			Vertical Reinforcement: (10) #8 Rebars Vertical	LBS	1218	10%	1339	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,854
183			Stirrups: #4 Stirrups @ 12" O.C	LBS	412	10%	453	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 627
184			Formwork	SF	256	10%	282	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 444
185			**(24" x 24") Concrete Column (16'-0" H, 3 EA)**	CY	7.11	10%	8	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 2,464
186			Vertical Reinforcement: (10) #9 Rebars Vertical	LBS	2326	10%	2558	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,540
187			Stirrups: #4 Stirrups @ 12" O.C	LBS	617	10%	679	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 940
188			Formwork	SF	384	10%	422	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 665
189			**(24" x 24") Concrete Column (16'-0" H, 3 EA)**	CY	7.11	10%	8	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 2,464
190			Vertical Reinforcement: (12) #7 Rebars Vertical	LBS	1678	10%	1845	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,554
191			Stirrups: #4 Stirrups @ 12" O.C	LBS	617	10%	679	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 940
192			Formwork	SF	384	10%	422	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 665
193			**(24" x 24") Concrete Column (16'-0" H, 3 EA)**	CY	7.11	10%	8	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 2,464
194			Vertical Reinforcement: (10) #11 Rebars Vertical	LBS	3634	10%	3998	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 5,533
195			Stirrups: #4 Stirrups @ 12" O.C	LBS	617	10%	679	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 940
196			Formwork	SF	384	10%	422	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 665
197			**(24" x 24") Concrete Column (16'-0" H, 3 EA)**	CY	7.11	10%	8	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 2,464
198			Vertical Reinforcement: (12) #11 Rebars Vertical	LBS	4361	10%	4797	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 6,639
199			Stirrups: #4 Stirrups @ 12" O.C	LBS	617	10%	679	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 940
200			Formwork	SF	384	10%	422	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 665
201			**(24" x 24") Concrete Column (17'-10" H, 1 EA)**	CY	2.64	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 915
202			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	538	10%	592	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 819
203			Stirrups: #4 Stirrups @ 12" O.C	LBS	229	10%	252	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 349
204			Formwork	SF	143	10%	157	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 247
205			**(24" x 24") Concrete Column (20'-0" H, 17 EA)**	CY	50.37	10%	55	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 17,453
206			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	10022	10%	11024	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 15,258
207			Stirrups: #4 Stirrups @ 12" O.C	LBS	4374	10%	4811	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 6,659
208			Formwork	SF	2720	10%	2992	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 4,712
209			**(24" x 24") Concrete Column (20'-0" H, 1 EA)**	CY	2.96	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,027
210			Vertical Reinforcement: (10) #9 Rebars Vertical	LBS	938	10%	1032	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,429
211			Stirrups: #4 Stirrups @ 12" O.C	LBS	257	10%	283	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 392
212			Formwork	SF	160	10%	176	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 277
213			**(24" x 24") Concrete Column (20'-0" H, 1 EA)**	CY	2.96	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,027
214			Vertical Reinforcement: (12) #7 Rebars Vertical	LBS	677	10%	745	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,031
215			Stirrups: #4 Stirrups @ 12" O.C	LBS	257	10%	283	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 392
216			Formwork	SF	160	10%	176	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 277
217			**(24" x 24") Concrete Column (20'-0" H, 1 EA)**	CY	2.96	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,027
218			Vertical Reinforcement: (10) #11 Rebars Vertical	LBS	1466	10%	1613	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,232
219			Stirrups: #4 Stirrups @ 12" O.C	LBS	257	10%	283	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 392

DETAILED BREAKDOWN OF ITEMS

Prepared for: Old Dominion University, New Biology Building, 4508 Elkhorn Avenue Norfolk, VA 23529
Project ID: 7292024
Scope: Concrete

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
220			Formwork	SF	160	10%	176	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 277
221			**(24" x 24") Concrete Column (20'-0" H, 1 EA)**	CY	2.96	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,027
222			Vertical Reinforcement: (12) #11 Rebars Vertical	LBS	1760	10%	1936	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,679
223			Stirrups: #4 Stirrups @ 12" O.C	LBS	257	10%	283	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 392
224			Formwork	SF	160	10%	176	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 277
225			**(24" x 24") Concrete Column (20'-8" H, 7 EA)**	CY	21.44	10%	24	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 7,427
226			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	4306	10%	4737	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 6,556
227			Stirrups: #4 Stirrups @ 12" O.C	LBS	1861	10%	2047	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,834
228			Formwork	SF	1158	10%	1273	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,005
229			**(24" x 24") Concrete Column (20'-8" H, 9 EA)**	CY	27.56	10%	30	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 9,550
230			Vertical Reinforcement: (8) #9 Rebars Vertical	LBS	7050	10%	7755	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 10,733
231			Stirrups: #4 Stirrups @ 12" O.C	LBS	2393	10%	2632	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,643
232			Formwork	SF	1488	10%	1637	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,578
233			**(24" x 24") Concrete Column (21'-4" H, 1 EA)**	CY	3.16	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,095
234			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	615	10%	677	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 937
235			Stirrups: #4 Stirrups @ 12" O.C	LBS	275	10%	302	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 418
236			Formwork	SF	171	10%	188	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 296
237			**(24" x 24") Concrete Column (21'-4" H, 1 EA)**	CY	3.16	10%	3	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,095
238			Vertical Reinforcement: (10) #7 Rebars Vertical	LBS	589	10%	648	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 896
239			Stirrups: #4 Stirrups @ 12" O.C	LBS	275	10%	302	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 418
240			Formwork	SF	171	10%	188	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 296
241			**(28" x 28") Concrete Column (20'-0" H, 2 EA)**	CY	8.11	10%	9	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 2,811
242			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	1179	10%	1297	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,795
243			Stirrups: #4 Stirrups @ 12" O.C	LBS	601	10%	661	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 915
244			Formwork	SF	374	10%	411	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 647
245			**(29-7/8" x 24") Concrete Column (20'-2" H, 1 EA)**	CY	3.73	10%	4	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,294
246			Vertical Reinforcement: (10) #7 Rebars Vertical	LBS	564	10%	621	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 859
247			Stirrups: #4 Stirrups @ 12" O.C	LBS	292	10%	321	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 444
248			Formwork	SF	182	10%	200	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 314
249			**(29-7/8" x 37-1/2") Concrete Column (19'-8" H, 1 EA)**	CY	5.69	10%	6	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,972
250			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	590	10%	648	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 898
251			Stirrups: #4 Stirrups @ 12" O.C	LBS	356	10%	391	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 542
252			Formwork	SF	221	10%	243	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 383
253			**(34-3/4" x 24") Concrete Column (20'-8" H, 1 EA)**	CY	4.43	10%	5	2.200	$ 50.00	$ 110.00	$ 205.00	$ 315.00	$ 1,536
254			Vertical Reinforcement: (8) #8 Rebars Vertical	LBS	615	10%	677	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 937
255			Stirrups: #4 Stirrups @ 12" O.C	LBS	329	10%	362	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 501
256			Formwork	SF	203	10%	223	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 351
			CONCRETE SLAB (3500 PSI):										
257			**5" Thick Concrete Slab**	CY	489	10%	538	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 150,580
258			Form Work	SF	513	10%	564	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,776
259			6x6-W2.9xW2.9 Welded Wire	SF	31678	10%	34846	0.012	$ 44.00	$ 0.53	$ 0.86	$ 1.39	$ 48,366
260			10 mil Vapor Retarder	SF	31678	10%	34846	0.008	$ 44.00	$ 0.35	$ 0.54	$ 0.89	$ 31,082
261			4" Porous Fill	SF	31678	10%	34846	0.008	$ 35.00	$ 0.28	$ 0.48	$ 0.76	$ 26,530
262			**8" Thick Concrete Slab**	CY	67	10%	73	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 20,515
263			Form Work	SF	142	10%	156	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 492
264			#4 Rebar @ 12" O.C Each Way	LBS	4303	10%	4734	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 6,551
265			10 mil Vapor Retarder	SF	2684	10%	2953	0.008	$ 44.00	$ 0.35	$ 0.54	$ 0.89	$ 2,634
266			4" Porous Fill	SF	2684	10%	2953	0.008	$ 35.00	$ 0.28	$ 0.48	$ 0.76	$ 2,244
			PILE CAPS (4000 PSI):										
267			**3'-6"x3'-6"x3'-3" P1 Pile Cap**	CY	13	10%	15	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 4,306
268			(4) #8 Rebar @ Long Side	LBS	404	10%	444	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 615
269			(4) #8 Rebar @ Short Side	LBS	404	10%	444	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 615
270			Form Work	SF	410	10%	450	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,419
271			Excavation	CY	40	10%	44	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,055
272			Backfill	CY	17	10%	18	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 330
273			**3'-6"x6'-6"x4'-0" P2 Pile Cap**	CY	27	10%	30	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 8,749
274			(5) #9 Rebar @ Long Side	LBS	1061	10%	1167	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,615
275			(7) #7 Rebar @ Short Side	LBS	628	10%	691	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 956
276			Form Work	SF	640	10%	704	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 2,218
277			Excavation	CY	67	10%	73	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,761

DETAILED BREAKDOWN OF ITEMS

Prepared for: Old Dominion University, New Biology Building, 4508 Elkhorn Avenue Norfolk, VA 23529
Project ID: 7292024
Scope: Concrete

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
278			Backfill	CY	20	10%	22	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 391
279			**4'-0"x6'-6"x4'-0" P2A Pile Cap**	CY	4	10%	4	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 1,250
280			(5) #9 Rebar @ Long Side	LBS	133	10%	146	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 202
281			(7) #7 Rebar @ Short Side	LBS	90	10%	99	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 137
282			Form Work	SF	84	10%	92	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 291
283			Excavation	CY	9	10%	10	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 245
284			Backfill	CY	5	10%	6	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 107
285			**3'-10"x6'-6"x4'-0" P2B Pile Cap**	CY	4	10%	4	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 1,198
286			(5) #9 Rebar @ Long Side	LBS	133	10%	146	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 202
287			(7) #7 Rebar @ Short Side	LBS	287	10%	315	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 436
288			Form Work	SF	80	10%	88	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 278
289			Excavation	CY	9	10%	10	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 236
290			Backfill	CY	5	10%	6	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 104
291			**6'-3"x7'-0"x3'-9" P3 Pile Cap**	CY	28	10%	31	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 9,140
292			(6) #10 Bottom Rebar	LBS	1208	10%	1329	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,839
293			(3) #10 Rebar @ Short Side	LBS	651	10%	716	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 990
294			Form Work	SF	596	10%	656	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 2,066
295			Excavation	CY	61	10%	67	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,620
296			Backfill	CY	23	10%	25	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 459
297			**8'-0"x7'-0"x3'-9" P3A Pile Cap**	CY	17	10%	19	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 5,496
298			(6) #10 Bottom Rebar	LBS	790	10%	869	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,203
299			(3) #10 Rebar @ Short Side	LBS	326	10%	359	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 497
300			Form Work	SF	298	10%	328	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,033
301			Excavation	CY	34	10%	38	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 904
302			Backfill	CY	17	10%	19	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 337
303			**6'-6"x6'-6"x3'-9" P4 Pile Cap**	CY	47	10%	52	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 15,233
304			(7) #10 Rebar @ Long Side	LBS	1880	10%	2068	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,861
305			(7) #10 Rebar @ Short Side	LBS	1880	10%	2068	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,861
306			Form Work	SF	780	10%	858	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 2,703
307			Excavation	CY	107	10%	118	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 2,825
308			Backfill	CY	40	10%	44	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 793
309			**7'-9"x7'-9"x3'-9" P5 Pile Cap**	CY	17	10%	18	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 5,414
310			(11) #9 Rebar @ Long Side	LBS	696	10%	765	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,059
311			(11) #9 Rebar @ Short Side	LBS	696	10%	765	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,059
312			Form Work	SF	203	10%	223	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 702
313			Excavation	CY	36	10%	40	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 961
314			Backfill	CY	20	10%	22	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 391
315			**7'-9"x10'-0"x3'-9" P5A Pile Cap**	CY	11	10%	12	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 3,493
316			(8) #11 Rebar @ Long Side	LBS	395	10%	435	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 602
317			(11) #9 Rebar @ Short Side	LBS	449	10%	494	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 683
318			Form Work	SF	133	10%	146	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 461
319			Excavation	CY	20	10%	22	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 535
320			Backfill	CY	10	10%	10	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 188
321			**12'-9"x7'-9"x3'-9" P5B Pile Cap**	CY	14	10%	15	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 4,453
322			(12) #10 Rebar @ Long Side	LBS	790	10%	869	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,203
323			(18) #9 Rebar @ Short Side	LBS	569	10%	626	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 866
324			Form Work	SF	154	10%	169	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 533
325			Excavation	CY	29	10%	31	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 755
326			Backfill	CY	15	10%	16	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 295
327			**9'-6"x6'-6"x4'-0" P6 Pile Cap**	CY	91	10%	101	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 29,686
328			(6) #11 Rebar @ Long Side	LBS	3634	10%	3998	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 5,533
329			(8) #11 Rebar @ Short Side	LBS	3315	10%	3647	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 5,047
330			Form Work	SF	1280	10%	1408	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 4,435
331			Excavation	CY	195	10%	214	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 5,136
332			Backfill	CY	63	10%	69	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 1,249
333			**10'-6"x8'-4"x4'-0" P6A Pile Cap**	CY	13	10%	14	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 4,210
334			(6) #11 Rebar @ Long Side	LBS	402	10%	442	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 611
335			(8) #11 Rebar @ Short Side	LBS	425	10%	468	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 648
336			Form Work	SF	151	10%	166	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 522
337			Excavation	CY	27	10%	29	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 701

DETAILED BREAKDOWN OF ITEMS

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Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
338			Backfill	CY	14	10%	15	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 269
339			**10'-6"x11'-3"x4'-0" P6B Pile Cap**	CY	35	10%	39	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 11,358
340			(6) #11 Rebar @ Long Side	LBS	803	10%	884	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,223
341			(8) #11 Rebar @ Short Side	LBS	1148	10%	1262	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,747
342			Form Work	SF	348	10%	383	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,206
343			Excavation	CY	70	10%	77	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,838
344			Backfill	CY	25	10%	27	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 487
345			**10'-6"x7'-0"x4'-0" P6C Pile Cap**	CY	11	10%	12	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 3,533
346			(6) #11 Rebar @ Long Side	LBS	402	10%	442	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 611
347			(8) #11 Rebar @ Short Side	LBS	357	10%	393	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 544
348			Form Work	SF	140	10%	154	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 485
349			Excavation	CY	23	10%	25	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 600
350			Backfill	CY	12	10%	13	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 234
351			**10'-6"x9'-7"x4'-0" P7 Pile Cap**	CY	60	10%	66	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 19,343
352			(8) #10 Rebar @ Long Side	LBS	1735	10%	1908	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,641
353			(8) #10 Rebar @ Short Side	LBS	1583	10%	1741	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,410
354			Form Work	SF	643	10%	707	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 2,226
355			Excavation	CY	120	10%	132	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 3,174
356			Backfill	CY	21	10%	23	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 408
357			**10'-6"x9'-7"x4'-0" P7A Pile Cap**	CY	15	10%	16	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 4,836
358			(8) #10 Rebar @ Long Side	LBS	434	10%	477	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 660
359			(8) #10 Rebar @ Short Side	LBS	396	10%	435	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 602
360			Form Work	SF	161	10%	177	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 557
361			Excavation	CY	30	10%	33	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 794
362			Backfill	CY	15	10%	17	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 300
363			**10'-8"x9'-7"x4'-0" P7B Pile Cap**	CY	15	10%	17	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 4,914
364			(8) #10 Rebar @ Long Side	LBS	441	10%	485	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 671
365			(8) #10 Rebar @ Short Side	LBS	396	10%	435	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 602
366			Form Work	SF	162	10%	178	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 561
367			Excavation	CY	31	10%	34	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 805
368			Backfill	CY	15	10%	17	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 304
369			**9'-6"x9'-7"x4'-0" P7C Pile Cap**	CY	27	10%	30	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 8,750
370			(9) #10 Rebar @ Long Side	LBS	441	10%	486	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 672
371			(9) #10 Rebar @ Short Side	LBS	445	10%	490	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 678
372			Form Work	SF	305	10%	336	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,058
373			Excavation	CY	55	10%	60	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,449
374			Backfill	CY	18	10%	20	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 355
375			**14'-0"x9'-7"x4'-0" P7D Pile Cap**	CY	20	10%	22	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 6,448
376			(20) #11 Rebar @ Long Side	LBS	1785	10%	1964	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,718
377			(14) #10 Rebar @ Short Side	LBS	693	10%	762	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,054
378			Form Work	SF	189	10%	208	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 654
379			Excavation	CY	39	10%	43	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,035
380			Backfill	CY	19	10%	21	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 383
381			**10'-6"x9'-7"x4'-0" P8 Pile Cap**	CY	30	10%	33	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 9,672
382			(8) #10 Rebar @ Long Side	LBS	867	10%	954	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,321
383			(8) #10 Rebar @ Short Side	LBS	791	10%	871	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,205
384			Form Work	SF	321	10%	353	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,113
385			Excavation	CY	60	10%	66	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,587
386			Backfill	CY	20	10%	22	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 402
387			**10'-6"x11'-6"x4'-0" P8A Pile Cap**	CY	18	10%	20	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 5,805
388			(8) #10 Rebar @ Long Side	LBS	434	10%	477	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 660
389			(8) #10 Rebar @ Short Side	LBS	475	10%	523	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 723
390			Form Work	SF	352	10%	387	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,220
391			Excavation	CY	36	10%	39	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 938
392			Backfill	CY	18	10%	19	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 349
393			**10'-6"x12'-6"x4'-0" P10 Pile Cap**	CY	19	10%	21	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 6,310
394			(9) #10 Rebar @ Long Side	LBS	488	10%	537	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 743
395			(9) #10 Rebar @ Short Side	LBS	581	10%	639	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 884
396			Form Work	SF	184	10%	202	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 638
397			Excavation	CY	38	10%	42	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,013

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398	S111, S112	S412, S501, S502, S503	Backfill	CY	19	10%	21	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 374
399			**22'-3"x7'-0"x4'-0" P12 Pile Cap**	CY	23	10%	25	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 7,488
400			(8) #10 Top & Bottom Rebar @ Long Side	LBS	1838	10%	2022	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,799
401			(24) #8 Top & Bottom Rebar @ Short Side	LBS	1077	10%	1184	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,639
402			Form Work	SF	234	10%	257	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 811
403			Excavation	CY	46	10%	51	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,213
404			Backfill	CY	13	10%	14	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 255
405			**16'-0"x18'-8"x4'-0" P16 Pile Cap**	CY	44	10%	49	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 14,361
406			(18) #10 Top & Bottom Rebar @ Long Side	LBS	3471	10%	3818	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 5,284
407			(20) #10 Top & Bottom Rebar @ Short Side	LBS	3305	10%	3635	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 5,031
408			Form Work	SF	277	10%	305	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 961
409			Excavation	CY	111	10%	123	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 2,943
410			Backfill	CY	47	10%	52	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 935
411			**7'-6"x38'-3"x4'-0" P19 Pile Cap**	CY	43	10%	47	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 13,791
412			(8) #10 Top & Bottom Rebar @ Long Side	LBS	3160	10%	3476	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,811
413			(40) #8 Top & Bottom Rebar @ Short Side	LBS	1922	10%	2115	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,927
414			Form Work	SF	366	10%	403	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,268
415			Excavation	CY	82	10%	91	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 2,176
416			Backfill	CY	40	10%	44	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 790
417			**18'-10"x33'-9-1/4"x4'-0" P20 Pile Cap**	CY	47	10%	51	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 15,191
418			(12) #8 Top & Bottom Rebar	LBS	500	10%	550	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 761
419			(8) #10 Top & Bottom Rebar	LBS	1556	10%	1712	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,369
420			(34) #8 Top & Bottom Rebar	LBS	1525	10%	1678	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,322
421			(8) #10 Top & Bottom Rebar	LBS	2795	10%	3075	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,256
422			Form Work	SF	424	10%	466	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,469
423			Excavation	CY	82	10%	90	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 2,152
424			Backfill	CY	35	10%	38	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 687
425			**18'-10"x33'-9-1/4"x4'-0" P24 Pile Cap**	CY	48	10%	52	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 15,432
426			(12) #8 Top & Bottom Rebar	LBS	538	10%	592	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 819
427			(8) #10 Top & Bottom Rebar	LBS	1556	10%	1712	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,369
428			(34) #8 Top & Bottom Rebar	LBS	1525	10%	1678	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,322
429			(8) #10 Top & Bottom Rebar	LBS	2795	10%	3075	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,256
430			Form Work	SF	424	10%	466	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,469
431			Excavation	CY	84	10%	92	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 2,217
432			Backfill	CY	36	10%	40	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 721
433			**40'-10"x19'-5"x4'-0" P36 Pile Cap**	CY	103	10%	114	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 33,556
434			(4) #8 Top & Bottom Rebar	LBS	179	10%	197	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 273
435			(13) #8 Top & Bottom Rebar	LBS	583	10%	641	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 888
436			(8) #8 Top & Bottom Rebar	LBS	2093	10%	2303	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,187
437			(13) #8 Top & Bottom Rebar	LBS	2097	10%	2306	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,192
438			(26) #8 Top & Bottom Rebar	LBS	3249	10%	3574	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,946
439			Form Work	SF	484	10%	532	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,677
440			Excavation	CY	267	10%	293	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 7,040
441			Backfill	CY	163	10%	180	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 3,233
			CONCRETE PILES (5000 PSI):										
442			12"x12" Concrete Pile 410 EA, (83' H)	CY	1260.37	10%	1386	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 427,013
443			Excavation	CY	1260.37	10%	1386	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 33,274
			GRADE BEAM (4000 PSI):										
444			**18x18 Grade Beam (155 LF)**	CY	14	10%	15	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 4,381
445			(3) #6 Rebar @ Top	LBS	876	10%	964	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,334
446			(5) #6 Rebar @ Bottom	LBS	1460	10%	1606	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,223
447			#4 Stirrups @ 9" O.C	LBS	1039	10%	1143	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,582
448			Form Work	SF	486	10%	535	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,684
449			Excavation	CY	63	10%	69	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,651
450			Backfill	CY	49	10%	54	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 971
451			**22x18 Grade Beam (130 LF)**	CY	14	10%	15	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 4,497
452			(3) #6 Rebar @ Top	LBS	735	10%	809	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,120
453			(5) #6 Rebar @ Bottom	LBS	1226	10%	1348	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,866
454			#4 Stirrups @ 9" O.C	LBS	981	10%	1079	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,494
455			Form Work	SF	408	10%	449	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,414

DETAILED BREAKDOWN OF ITEMS

Prepared for: Old Dominion University, New Biology Building, 4508 Elkhorn Avenue Norfolk, VA 23529
Project ID: 7292024
Scope: Concrete

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
456			Excavation	CY	60	10%	65	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,572
457			Backfill	CY	26	10%	28	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 508
458			**22x24 Grade Beam (89 LF)**	CY	13	10%	14	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 4,100
459			(4) #7 Rebar @ Top	LBS	912	10%	1004	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,389
460			(4) #7 Rebar @ Bottom	LBS	912	10%	1004	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,389
461			#4 Stirrups @ 12" O.C	LBS	572	10%	629	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 870
462			Form Work	SF	372	10%	409	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,289
463			Excavation	CY	46	10%	50	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,203
464			Backfill	CY	23	10%	25	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 454
465			**24x24 Grade Beam (87 LF)**	CY	13	10%	14	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 4,182
466			(4) #6 Rebar @ Top	LBS	627	10%	690	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 955
467			(6) #6 Rebar @ Bottom	LBS	941	10%	1035	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,432
468			#4 Stirrups @ 12" O.C	LBS	558	10%	614	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 849
469			Form Work	SF	348	10%	383	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,206
470			Excavation	CY	45	10%	50	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,192
471			Backfill	CY	22	10%	24	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 441
472			**24x26 Grade Beam (153 LF)**	CY	25	10%	28	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 8,178
473			(5) #6 Rebar @ Top	LBS	1415	10%	1556	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,154
474			(5) #6 Rebar @ Bottom	LBS	1415	10%	1556	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,154
475			#4 Stirrups @ 12" O.C	LBS	1049	10%	1154	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,597
476			Form Work	SF	340	10%	374	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,179
477			Excavation	CY	99	10%	109	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 2,610
478			Backfill	CY	54	10%	59	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 1,062
479			**24x30 Grade Beam (88 LF)**	CY	17	10%	19	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 5,529
480			(6) #7 Rebar @ Top	LBS	1354	10%	1489	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,061
481			(4) #7 Rebar @ Bottom	LBS	903	10%	993	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,374
482			(3) #6 Rebar @ Bottom	LBS	497	10%	547	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 757
483			#4 Stirrups @ 12" O.C	LBS	664	10%	730	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,010
484			Form Work	SF	460	10%	506	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,594
485			Excavation	CY	53	10%	58	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,395
486			Backfill	CY	36	10%	39	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 709
487			**28x18 Grade Beam (10 LF)**	CY	1	10%	1	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 422
488			(4) #6 Rebar @ Top	LBS	72	10%	79	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 110
489			(4) #6 Rebar @ Bottom	LBS	72	10%	79	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 110
490			#4 Stirrups @ 12" O.C	LBS	64	10%	71	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 98
491			Form Work	SF	30	10%	33	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 104
492			Excavation	CY	5	10%	6	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 136
493			Backfill	CY	4	10%	4	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 76
494			**28x24 Grade Beam (32 LF)**	CY	6	10%	6	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 1,800
495			(4) #5 Rebar @ Top	LBS	160	10%	176	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 244
496			(4) #5 Rebar @ Bottom	LBS	160	10%	176	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 244
497			(2) #6 Rebar @ Bottom	LBS	115	10%	127	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 176
498			#4 Stirrups @ 12" O.C	LBS	223	10%	245	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 339
499			Form Work	SF	128	10%	141	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 444
500			Excavation	CY	18	10%	20	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 488
501			Backfill	CY	13	10%	14	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 256
502			**28x28 Grade Beam (33 LF)**	CY	8	10%	8	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 2,435
503			(4) #7 Rebar @ Top	LBS	363	10%	399	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 553
504			(6) #7 Rebar @ Bottom	LBS	545	10%	599	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 829
505			#4 Stirrups @ 12" O.C	LBS	278	10%	305	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 423
506			Form Work	SF	185	10%	204	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 641
507			Excavation	CY	23	10%	25	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 605
508			Backfill	CY	15	10%	17	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 305
509			**28x36 Grade Beam (89 LF)**	CY	23	10%	25	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 7,509
510			(6) #7 Rebar @ Top	LBS	1310	10%	1441	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,994
511			(2) #7 Rebar @ Bottom	LBS	437	10%	480	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 665
512			(4) #6 Rebar @ Bottom	LBS	642	10%	706	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 977
513			#4 Stirrups @ 12" O.C	LBS	762	10%	838	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,160
514			Form Work	SF	534	10%	587	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 1,850
515			Excavation	CY	62	10%	69	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,648

DETAILED BREAKDOWN OF ITEMS

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Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
516			Backfill	CY	29	10%	32	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 580
517			**30x30 Grade Beam (40 LF)**	CY	9	10%	10	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 3,005
518			(4) #5 Rebar @ Top	LBS	200	10%	220	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 305
519			(4) #5 Rebar @ Bottom	LBS	200	10%	220	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 305
520			(2) #6 Rebar @ Bottom	LBS	144	10%	159	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 220
521			#4 Stirrups @ 12" O.C	LBS	321	10%	353	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 488
522			Form Work	SF	200	10%	220	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 693
523			Excavation	CY	60	10%	66	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,575
524			Backfill	CY	50	10%	55	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 998
525			**36x28 Grade Beam (7 LF)**	CY	3	10%	3	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 928
526			(6) #7 Rebar @ Top	LBS	162	10%	178	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 246
527			(6) #7 Rebar @ Bottom	LBS	162	10%	178	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 246
528			(2) #5 Rebar @ Bottom	LBS	28	10%	30	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 42
529			#4 Stirrups @ 12" O.C	LBS	94	10%	104	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 143
530			Form Work	SF	51	10%	57	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 178
531			Excavation	CY	8	10%	9	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 216
532			Backfill	CY	5	10%	6	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 105
533			**42x28 Grade Beam (10 LF)**	CY	3	10%	3	2.200	$ 50.00	$ 110.00	$ 185.00	$ 295.00	$ 984
534			(5) #7 Rebar @ Top	LBS	123	10%	135	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 187
535			(5) #7 Rebar @ Bottom	LBS	123	10%	135	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 187
536			#4 Stirrups @ 12" O.C	LBS	94	10%	103	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 143
537			Form Work	SF	47	10%	51	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 162
538			Excavation	CY	8	10%	9	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 220
539			Backfill	CY	5	10%	6	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 105
			COLUMN PEDESTALS:										
540			Column Pedestal	CY	3	10%	3	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 824
541			#5 Rebar Each Way & Each Face @ 12" O.C	LBS	360	10%	397	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 549
542			Form Work	SF	144	10%	158	0.090	$ 35.00	$ 3.15	$ -	$ 3.15	$ 499
			MISCELLANEOUS:										
543			Construction Joint	LF	3222	10%	3544	0.020	$ 44.00	$ 0.88	$ -	$ 0.88	$ 3,119
544			1/2" Expansion Joint	LF	795	10%	875	0.020	$ 44.00	$ 0.88	$ 3.25	$ 4.13	$ 3,612
545			Housekeeping Pad	SF	14	10%	15	0.060	$ 44.00	$ 2.64	$ 5.28	$ 7.92	$ 122
			CONCRETE SLAB:										
546			89: 5" Concrete Slab Reinforced With Over Structural Insulation With 60 PSI Minimum Compressive Strength.	CY	5	10%	5	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 1,508
547			Formwork	SF	318	10%	350	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 550
548			#3 At 12" OC Each Way Middle Of Slab	LBS	299	10%	329	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 455
549			35: 8" Concrete Slab. Reinforcement Slab	CY	3	10%	3	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 783
550			Formwork	SF	103	10%	113	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 178
551			#5 At 12" OC Bottom Shorty	LBS	134	10%	148	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 204
552			#4 At 12" OC Bottom Long	LBS	86	10%	95	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 131
553			85: 8" Concrete Slab Reinforcement	CY	13	10%	15	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 4,094
554			Formwork	SF	538	10%	592	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 932
555			#4 At 10" OC Long	LBS	539	10%	593	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 821
556			#4 At 12" OC Short Bottom Of Slab	LBS	449	10%	494	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 684
557			26: 8" Thick Concrete Cap Reinforced W/ #5 At 12" OC Short Bottom & #4 At 12OC Long Bottom	CY	3	10%	3	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 783
558			Formwork	SF	103	10%	113	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 178
559			#4 At 12" OC Long	LBS	86	10%	95	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 131
560			#5 At 12" OC Short Bottom Of Slab	LBS	134	10%	148	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 204
561			36: 9" Concrete Slab Reinforcement Slab	CY	9	10%	10	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 2,687
562			Formwork	SF	314	10%	345	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 544
563			6X6-W2.9Xw2.9 Welded Wire Reinforcing Placed	SF	314	10%	345	0.012	$ 44.00	$ 0.53	$ 0.86	$ 1.39	$ 479
564			37: 6" Cast In Place Slab	CY	2	10%	3	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 701
565			Formwork	SF	123	10%	135	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 213
566			39 :10" Cast-In-Place Slab	CY	100	10%	110	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 30,682
567			Formwork	SF	3229	10%	3552	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 5,594
568			#5 At 10" On-Center, Each Way, Top And Bottom.	LBS	10107	10%	11118	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 15,387
569			05: 16" Cast-In-Place Slab.	CY	6729	10%	7402	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 2,072,539
570			Formwork	SF	136297	10%	149926	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 236,134

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571			40: 24" Cast-In-Place Slab.	CY	231	10%	254	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 71,251
572			Formwork	SF	3123	10%	3435	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 5,411
573			42: 32" Cast In Place Slab	CY	72	10%	80	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 22,283
574			Formwork	SF	732	10%	806	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,269
575			90: 8" Concrete Slab Reinforced Over Structural Insulation With 60 PSI Minimum Compressive Strength	CY	41	10%	45	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 12,733
576			Formwork	SF	41	10%	45	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 72
577			#4 At 12" OC Each Way, Top And Bottom	LBS	137	10%	151	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 208
578			Slab Steps	CY	129	10%	142	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 41,237
579			1'-6" W Formwork	SF	3490	10%	3839	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 6,047
			ADDITIONAL REINFORCEMENT										
580			#5T - Top Reinforcement	LBS	237449	10%	261194	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 361,493
581			#6B - Top Reinforcement	LBS	100363	10%	110399	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 152,792
582			#5 Chair Reinforcement	LBS	38969	10%	42866	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 59,327
			POST TENSIONED REINFORCEMENT										
	S121 TO S423	PLAN NOTES	**3 Tendons Assumed per one Duct Picture Attached for your Ref.**										
583			24.2 K/Ft Strand For Post Tensioning	LF	1029	10%	1132	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 3,395
584			24.4 K/Ft Strand For Post Tensioning	LF	1294	10%	1423	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 4,270
585			24 K/Ft Strand For Post Tensioning	LF	1054	10%	1160	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 3,479
586			25.7 K/Ft Strand For Post Tensioning	LF	583	10%	641	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 1,923
587			26.1 K/Ft Strand For Post Tensioning	LF	317	10%	349	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 1,046
588			26.8 K/Ft Strand For Post Tensioning	LF	764	10%	840	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 2,520
589			27 K/Ft Strand For Post Tensioning	LF	513	10%	565	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 1,694
590			27.3 K/Ft Strand For Post Tensioning	LF	409	10%	450	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 1,349
591			27.7 K/Ft Strand For Post Tensioning	LF	267	10%	294	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 882
592			28.3 K/Ft Strand For Post Tensioning	LF	163	10%	180	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 539
593			30.0 K/Ft Strand For Post Tensioning	LF	155	10%	170	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 511
594			31.5 K/Ft Strand For Post Tensioning	LF	880	10%	968	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 2,904
595			32.2 K/Ft Strand For Post Tensioning	LF	494	10%	543	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 1,630
596			34.5 K/Ft Strand For Post Tensioning	LF	510	10%	561	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 1,682
597			36.5 K/Ft Strand For Post Tensioning	LF	457	10%	503	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 1,508
598			40.5 K/Ft Strand For Post Tensioning	LF	4242	10%	4667	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 14,000
599			42.2 K/Ft Strand For Post Tensioning	LF	228	10%	251	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 754
600			47.25 K/Ft Strand For Post Tensioning	LF	55	10%	61	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 183
601			60.75 K/Ft Strand For Post Tensioning	LF	210	10%	231	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 694
602			94.5 K Strand For Post Tensioning	LF	1727	10%	1900	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 5,700
603			108 K Strand For Post Tensioning	LF	422	10%	465	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 1,394
604			121.5 K/Ft Strand For Post Tensioning	LF	3234	10%	3557	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 10,672
605			189 K Strand For Post Tensioning	LF	870	10%	957	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 2,871
606			207 K Strand For Post Tensioning	LF	55	10%	61	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 183
607			214 K Strand For Post Tensioning	LF	1427	10%	1570	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 4,710
608			214 K Strand For Post Tensioning	LF	579	10%	637	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 1,912
609			270 K Strand For Post Tensioning	LF	43	10%	48	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 143
610			324 K Strand For Post Tensioning	LF	101	10%	112	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 335
611			375 K Strand For Post Tensioning	LF	225	10%	248	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 743
612			375 K Strand For Post Tensioning	LF	707	10%	778	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 2,333
613			429 K Strand For Post Tensioning	LF	1068	10%	1175	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 3,525
614			432 K Strand For Post Tensioning	LF	91	10%	100	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 301
615			590 K Strand For Post Tensioning	LF	1022	10%	1124	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 3,373
616			643 K Strand For Post Tensioning	LF	784	10%	862	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 2,586
617			697 K Strand For Post Tensioning	LF	1261	10%	1387	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 4,162
618			750 K Strand For Post Tensioning	LF	804	10%	884	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 2,653
619			756 K Strand For Post Tensioning	LF	1572	10%	1729	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 5,187
620			864 K Strand For Post Tensioning	LF	19510	10%	21461	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 64,382
621			972 K Strand For Post Tensioning	LF	5776	10%	6354	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 19,061
622			1080 K Strand For Post Tensioning	LF	797	10%	877	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 2,630
623			1134 K Strand For Post Tensioning	LF	800	10%	880	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 2,641
624			1296 K Strand For Post Tensioning	LF	887	10%	975	0.035	$ 44.00	$ 1.54	$ 1.46	$ 3.00	$ 2,926
625			Corrugated Duct	LF	19127	10%	21040	0.060	$ 44.00	$ 2.64	$ 4.69	$ 7.33	$ 154,221

DETAILED BREAKDOWN OF ITEMS

Prepared for: Old Dominion University, New Biology Building, 4508 Elkhorn Avenue Norfolk, VA 23529
Project ID: 7292024
Scope: Concrete

USA ESTIMATORS
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Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			STAIRS										
626	**A601/A602**	**Plan Notes**	Reinforced Concrete Staircase A	CY	21	10%	23	2.500	$ 50.00	$ 125.00	$ 200.00	$ 325.00	$ 7,355
627	**A603/A604**	**Plan Notes**	Reinforced Concrete Staircase B	CY	30	10%	32	2.500	$ 50.00	$ 125.00	$ 200.00	$ 325.00	$ 10,552
628	**A611**	**Plan Notes**	Reinforced Concrete Staircase C	CY	7	10%	8	2.500	$ 50.00	$ 125.00	$ 200.00	$ 325.00	$ 2,648
629	**A612**	**Plan Notes**	Reinforced Concrete Staircase D	CY	5	10%	6	2.500	$ 50.00	$ 125.00	$ 200.00	$ 325.00	$ 1,847
			CONCRETE WALL:										
630		**6/S311, Plan Notes, 2,3/S312**	**12'' Thk x 80 LF x 19'-4'' H Concrete Wall**	CY	57	10%	63	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 18,270
631			#4 Rebar @ 12" O.C (Horizontally E.F)	LBS	2475	10%	2723	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,769
632			#4 Rebar @ 16" O.C (Vertically E.F)	LBS	2022	10%	2224	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,078
633			Formwork	SF	3093	10%	3402	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 5,358
634		**6/S323**	**12'' Thk x 153 LF x 16'-0'' H Concrete Wall**	CY	91	10%	100	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 28,923
635			#4 Rebar @ 12" O.C (Horizontally E.F)	LBS	3919	10%	4311	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 5,966
636			#4 Rebar @ 16" O.C (Vertically E.F)	LBS	2946	10%	3241	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,486
637			Formwork	SF	4896	10%	5386	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 8,482
638		**6/S323, 2/S353**	**12'' Thk x 86 LF x 14'-9'' H Concrete Wall**	CY	47	10%	52	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 14,987
639			#4 Rebar @ 12" O.C (Horizontally E.F)	LBS	2031	10%	2234	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,091
640			#4 Rebar @ 16" O.C (Vertically E.F)	LBS	1527	10%	1679	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,324
641			Formwork	SF	2537	10%	2791	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 4,395
642		**Plan Notes**	**8'' Thk x 35 LF x 4'-6'' H Concrete Wall**	CY	4	10%	4	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 1,247
643			(5) #4 Conti. Rebar	LBS	140	10%	154	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 213
644			#4 Rebar @ 16" O.C (5' L)	LBS	92	10%	101	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 139
645			Formwork	SF	315	10%	347	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 546
			Note: No Detail Given. Please Verify										
646		**6/S503**	**8'' Thk x 25 LF x 4'-0'' H Concrete Wall**	CY	2	10%	3	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 792
647			(6) #4 Conti. Rebar	LBS	120	10%	132	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 183
648			#4 Rebar @ 12" O.C (6.61' L)	LBS	115	10%	126	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 175
649			Water Stop	LF	25	10%	28	0.008	$ 44.00	$ 0.35	$ 0.37	$ 0.72	$ 20
650			Formwork	SF	200	10%	220	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 347
651		**8/S311, 3/S311**	**8'' Thk x 118 LF x 20'-0'' H Concrete Wall**	CY	59	10%	64	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 18,682
652			#4 Rebar @ 12" O.C (Horizontally)	LBS	1889	10%	2078	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,876
653			#4 Rebar @ 16" O.C (Vertically)	LBS	1420	10%	1562	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,162
654			Formwork	SF	4720	10%	5192	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 8,177
655		**9/S311**	**6'' Thk x 68 LF x 20'-0'' H Concrete Wall**	CY	25	10%	28	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 8,034
656			#4 Rebar @ 12" O.C (Horizontally)	LBS	1089	10%	1197	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,657
657			#4 Rebar @ 16" O.C (Vertically)	LBS	818	10%	900	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,246
658			Formwork	SF	2720	10%	2992	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 4,712
659		**8/S311, 3/S311**	**8'' Thk x 117 LF x 16'-0'' H Concrete Wall**	CY	46	10%	51	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 14,819
660			#4 Rebar @ 12" O.C (Horizontally E.F)	LBS	2997	10%	3296	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4,562
661			#4 Rebar @ 16" O.C (Vertically E. F)	LBS	2253	10%	2478	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,430
662			Formwork	SF	3744	10%	4118	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 6,486
663		**8/S311, 3/S311**	**8'' Thk x 39 LF x 14'-9'' H Concrete Wall**	CY	14	10%	16	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 4,554
664			#4 Rebar @ 12" O.C (Horizontally E.F)	LBS	921	10%	1013	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,402
665			#4 Rebar @ 16" O.C (Vertically E. F)	LBS	692	10%	762	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,054
666			Formwork	SF	1151	10%	1266	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,993
667		**8/S311, 3/S311**	**8'' Thk x 63 LF x 19'-0'' H Concrete Wall**	CY	30	10%	33	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 9,475
668			#4 Rebar @ 12" O.C (Horizontally E.F)	LBS	1916	10%	2108	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,917
669			#4 Rebar @ 16" O.C (Vertically E. F)	LBS	1441	10%	1585	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,193
670			Formwork	SF	2394	10%	2633	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 4,148
671		**4/S312, 2/S421**	**12'' Thk x 54 LF x 1'-6'' H Concrete Wall**	CY	3	10%	3	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 957
672			#4 Rebar @ 12" O.C (Horizontally E.F)	LBS	130	10%	143	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 197
673			#4 Rebar @ 16" O.C (Vertically E.F)	LBS	97	10%	107	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 148
674			Formwork	SF	162	10%	178	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 281
675			5/S312: 8" Thk Concrete Wall (6'-9" H)	LF	36	10%	40						
676		**5/S312**	**8'' Thk x 36 LF x 6'-9'' H Concrete Wall**	CY	6	10%	7	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 1,924
677			#4 Rebar @ 12" O.C (Horizontally)	LBS	194	10%	214	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 296
678			#4 Rebar @ 16" O.C (Vertically)	LBS	146	10%	161	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 223
679			Formwork	SF	486	10%	535	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 842
680		**4/S324**	**8'' Thk x 30 LF x 4'-0'' H Concrete Wall**	CY	3	10%	3	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 950
681			#4 Rebar @ 12" O.C (Horizontally)	LBS	96	10%	106	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 146
682			#4 Rebar @ 16" O.C (Vertically)	LBS	72	10%	79	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 110

DETAILED BREAKDOWN OF ITEMS

Prepared for: Old Dominion University, New Biology Building, 4508 Elkhorn Avenue Norfolk, VA 23529
Project ID: 7292024
Scope: Concrete

USA ESTIMATORS
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Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
683	S101 To S161		Formwork	SF	240	10%	264	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 416
684		5/S324	**8'' Thk x 37 LF x 2'-8'' H Concrete Wall**	CY	2	10%	3	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 782
685			#4 Rebar @ 12" O.C (Horizontally)	LBS	79	10%	87	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 120
686			#4 Rebar @ 16" O.C (Vertically)	LBS	59	10%	65	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 91
687			Formwork	SF	198	10%	217	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 342
688		5/S324	**30'' Thk x 37 LF x 1'-0'' H Concrete Wall**	CY	3	10%	4	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 1,093
689			(4) #4 Rebar	LBS	118	10%	130	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 180
690			#4 Rebar @ 16" O.C (Vertically, 2 LF)	LBS	45	10%	49	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 68
691			Formwork	SF	74	10%	81	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 128
692		2/S324	**24'' Thk x 32 LF x 2'-0'' H Concrete Wall**	CY	5	10%	5	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 1,512
693			(8) #4 Rebar	LBS	205	10%	225	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 312
694			(2)#4 Rebar @ 16" O.C (Vertically, 4 LF)	LBS	154	10%	169	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 235
695			Formwork	SF	128	10%	141	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 222
696		7/S325	**8'' Thk x 41 LF x 3'-0'' H Concrete Wall**	CY	3	10%	3	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 974
697			(4) #4 Rebar	LBS	132	10%	145	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 201
698			#4 Rebar @ 16" O.C (Vertically, 4 LF)	LBS	99	10%	109	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 150
699			Formwork	SF	246	10%	271	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 426
700		Plan Notes, S201, S202	**12'' Thk x 33 LF x 20' H Concrete Shear Wall - 5000 PSI, Grade 60, ASTM-A615, Deformed**	CY	24	10%	27	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 8,282
701			#5 Rebar @ 12" O.C (Vertical & Horizontal E.F)	LBS	3304	10%	3635	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 5,030
702			Formwork	SF	1320	10%	1452	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,287
703			**12'' Thk x 82 LF x 20'-9'' H Concrete Shear Wall - 5000 PSI, , Grade 60, ASTM-A615, Deformed**	CY	63.02	10%	69	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 21,351
704			#5 Rebar @ 12" O.C (Vertical & Horizontal E.F)	LBS	8518	10%	9370	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 12,968
705			Formwork	SF	3403	10%	3743	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 5,896
706			**12'' Thk x 592 LF x 16' H Concrete Shear Wall - 5000 PSI, Grade 60,ASTM-A615, Deformed**	CY	350.81	10%	386	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 118,856
707			#5 Rebar @ 12" O.C (Vertical & Horizontal E.F)	LBS	47421	10%	52163	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 72,193
708			Formwork	SF	18944	10%	20838	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 32,820
709			**12'' Thk x 268 LF x 14'-9'' H Concrete Shear Wall - 5000 PSI, Grade 60, ASTM-A615, Deformed**	CY	146.41	10%	161	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 49,603
710			#5 Rebar @ 12" O.C (Vertical & Horizontal E.F)	LBS	19790	10%	21769	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 30,129
711			Formwork	SF	7906	10%	8697	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 13,697
712			**12'' Thk x 41 LF x 19'-0'' H Concrete Shear Wall - 5000 PSI, Grade 60, ASTM-A615, Deformed**	CY	28.85	10%	32	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 9,775
713			#5 Rebar @ 12" O.C (Vertical & Horizontal E.F)	LBS	3900	10%	4290	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 5,937
714			Formwork	SF	1558	10%	1714	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,699
715			**12'' Thk x 89 LF x 22'-6'' H Concrete Shear Wall - 5000 PSI, Grade 60, ASTM-A615, Deformed**	CY	74.17	10%	82	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 25,128
716			#5 Rebar @ 12" O.C (Vertical & Horizontal E.F)	LBS	10025	10%	11028	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 15,263
717			Formwork	SF	4005	10%	4406	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 6,939
718			**12'' Thk x 13 LF x 13'-6'' H Concrete Shear Wall - 5000 PSI, Grade 60, ASTM-A615, Deformed**	CY	6.50	10%	7	2.200	$ 50.00	$ 110.00	$ 198.00	$ 308.00	$ 2,202
719			#5 Rebar @ 12" O.C (Vertical & Horizontal E.F)	LBS	879	10%	966	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,338
720			Formwork	SF	351	10%	386	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 608
721		8/S121	**6'' Thk x 83 LF x 12'' H Concrete Wall**	CY	2	10%	2	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 490
722			(2) #4 Conti. Rebar	LBS	133	10%	146	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 202
723			#4 Vertical Rebar @ 12" O.C (1.77' L)	LBS	118	10%	129	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 179
724			(1) #5 Conti Rebar	LBS	104	10%	114	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 158
725			Formwork	SF	91	10%	100	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 157
726		3/S341	**10'' Thk x 435 LF x 2'-8'' H Concrete Wall**	CY	36	10%	39	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 11,390
727			(6) #4 Conti. Rebar	LBS	2089	10%	2298	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,180
728			(2) #4 Dowel @ 16" O.C (4.12' L)	LBS	2157	10%	2373	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,284
729			Formwork	SF	2323	10%	2555	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 4,024
730		1/S343	**8'' Thk x 17 LF x 2'-8'' H Concrete Wall**	CY	1	10%	1	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 359
731			(5) #4 Conti. Rebar	LBS	68	10%	75	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 104
732			#4 Vertical Rebar @ 12" O.C (5.12' L)	LBS	70	10%	77	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 106
733			Conti Water Stop	LF	17	10%	19	0.008	$ 44.00	$ 0.35	$ 0.37	$ 0.72	$ 14
734			Formwork	SF	91	10%	100	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 157
735		2/S341, 5/S343	**8'' Thk x 115 LF x 2'-7-1/4'' H Concrete Wall**	CY	7	10%	8	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 2,367
736			(8) #4 Conti. Rebar	LBS	736	10%	810	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,121
737			(2) #4 Dowel @ 16" O.C (4.12' L)	LBS	570	10%	627	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 868

DETAILED BREAKDOWN OF ITEMS

Prepared for: Old Dominion University, New Biology Building, 4508 Elkhorn Avenue Norfolk, VA 23529
Project ID: 7292024
Scope: Concrete

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
738			Formwork	SF	598	10%	658	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,036
739			**12'' Thk x 76 LF x 2'-3'' H Concrete Wall**	CY	6	10%	7	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 2,020
740		**7/S341**	(6) #4 Conti. Rebar	LBS	365	10%	401	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 556
741			(2) #5 Dowel @ 16" O.C (4.84' L)	LBS	692	10%	762	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,054
742			Formwork	SF	342	10%	376	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 593
743			**6'' x 8 LF x 2'-2'' H Concrete Wall**	CY	0.32	10%	0	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 102
744		**3/S344**	(2) #4 Conti. Rebar	LBS	19	10%	21	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 29
745			#4 Dowel @ 12" O.C (3.5' L)	LBS	22	10%	25	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 34
746			Formwork	SF	35	10%	38	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 60
747			**6'' Thk x 27 LF x 12'' H Concrete Wall**	CY	1	10%	1	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 160
748		**3/S351**	(2) #4 Conti. Rebar	LBS	43	10%	48	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 66
749			#4 Dowel @ 12" O.C (2' L)	LBS	43	10%	48	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 66
750			Formwork	SF	54	10%	59	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 94
751			**9-1/4'' Thk x 244 LF x 2'-4'' H Concrete Wall**	CY	16	10%	18	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 5,172
752		**7/S361**	#4 Rebar @ 18" O.C (Vertical E.F)	LBS	737	10%	811	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,122
753			#4 Rebar @ 12" O.C (Horizontal E.F)	LBS	910	10%	1001	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,386
754			Formwork	SF	1137	10%	1251	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,970
			CURB:										
755		**1/S333**	6" x 10-7/8" Concrete Curb	LF	103	10%	114	0.085	$ 50.00	$ 4.25	$ 15.78	$ 20.03	$ 2,276
756			(2) #4 Conti. Rebar	LBS	165	10%	181	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 251
757			#4 Vertical Rebar @ 18' O.C (2' L, Verify)	LBS	110	10%	121	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 167
758		**2/S352**	8" x 5-1/4" Concrete Curb	LF	125	10%	138	0.085	$ 50.00	$ 4.25	$ 15.78	$ 20.03	$ 2,761
759			(2) #4 Conti. Rebar	LBS	200	10%	220	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 305
760			#4 Vertical Rebar @ 18' O.C (2' L, Verify)	LBS	133	10%	147	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 203
			MISCELLANOUS:										
761		**Plan Notes**	2" Rigid Insulation (Please Verify)	SF	234	10%	257	0.012	$ 44.00	$ 0.53	$ 1.15	$ 1.68	$ 432
762		**Plan Notes**	Water Stop	LF	217	10%	239	0.008	$ 44.00	$ 0.35	$ 0.37	$ 0.72	$ 172
												SUBTOTAL	**$ 6,270,200**

SITE IMPROVEMENTS

			SITE CONCRETE & PAVEMENT										
			CONCRETE PAVEMENT										
			Light Duty Pedestrian Concrete Pavement As;										
763			4" Class A4 Concrete Surface Strength: 4500 Psi	SF	3553	10%	3908	0.045	$ 50.00	$ 2.25	$ 4.40	$ 6.65	$ 25,988.81
764			6" - #21A Stone Aggregate Base Course	CY	66	10%	72	0.625	$ 44.00	$ 27.50	$ 45.00	$ 72.50	$ 5,246.97
765			Compacted Subgrade - Compaction To Achieve 98% Density By Standard Proctor Max. Dry Density	SF	3553	10%	3908	0.004	$ 44.00	$ 0.18	$ 0.49	$ 0.67	$ 2,602.79
766			1/4" D Saw Cut Control Joint @ 10'-0" O.C. - Spacing Is Assumed	LF	711	10%	782	0.067	$ 44.00	$ 2.95	$ -	$ 2.95	$ 2,304.21
767			1/2" W x 4" D Expansion Joint @ 30'-0" O.C.	LF	237	10%	261	0.020	$ 44.00	$ 0.88	$ 3.25	$ 4.13	$ 1,076.03
			Heavy Duty Vehicular Concrete Pavement As;										
768			6" Class A4 Concrete Pavement W/ 6 x 6 - W1.4 x W1.4 Welded Wire Mesh Strength: 4500 Psi	SF	7639	10%	8403	0.045	$ 50.00	$ 2.25	$ 4.40	$ 6.65	$ 55,879.07
769		**Plan Details & L300 / Sectional Details**	6" - #21A Stone Aggregate Base Course	CY	141	10%	156	0.625	$ 44.00	$ 27.50	$ 45.00	$ 72.50	$ 11,281.63
770			Compacted Subgrade - Compaction To Achieve 98% Density By Standard Proctor Max. Dry Density	SF	7639	10%	8403	0.004	$ 44.00	$ 0.18	$ 0.49	$ 0.67	$ 5,596.31
771			1/4" D Saw Cut Control Joint @ 10'-0" O.C. - Spacing Is Assumed	LF	1528	10%	1681	0.067	$ 44.00	$ 2.95	$ -	$ 2.95	$ 4,954.33
772			1/2" W x 4" D Expansion Joint @ 30'-0" O.C.	LF	509	10%	560	0.020	$ 44.00	$ 0.88	$ 3.25	$ 4.13	$ 2,313.59
			Concrete Slab Under Concrete Unit Paver As;										
773	**C3.01, L101A - L101B**		4" Class A4 Concrete Pavement W/ 6 x 6 - W1.4 x W1.4 Welded Wire Mesh Strength: 4000 Psi	SF	6122	10%	6734	0.045	$ 50.00	$ 2.25	$ 4.40	$ 6.65	$ 44,782.43
774			6" - #21A Stone Aggregate Base Course	CY	113	10%	125	0.625	$ 44.00	$ 27.50	$ 45.00	$ 72.50	$ 9,041.29

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Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
775			Compacted Subgrade - Compaction To Achieve 95% Density By Standard Proctor Max. Dry Density	SF	6122	10%	6734	0.004	$ 44.00	$ 0.18	$ 0.49	$ 0.67	$ 4,484.98
776			1/4" D Saw Cut Control Joint @ 10'-0" O.C. - Spacing Is Assumed	LF	1224	10%	1347	0.067	$ 44.00	$ 2.95	$ -	$ 2.95	$ 3,970.48
777			1/2" W x 4" D Expansion Joint @ 30'-0" O.C.	LF	408	10%	449	0.020	$ 44.00	$ 0.88	$ 3.25	$ 4.13	$ 1,854.15
			CONCRETE CURB										
778			8" W Raised Concrete Curb	LF	277	10%	305	0.085	$ 50.00	$ 4.25	$ 15.78	$ 20.03	$ 6,103.14
779			8" W Flush Concrete Curb	LF	3263	10%	3589	0.085	$ 50.00	$ 4.25	$ 15.78	$ 20.03	$ 71,893.68
780			12" W Flush Concrete Curb	LF	624	10%	686	0.085	$ 50.00	$ 4.25	$ 15.78	$ 20.03	$ 13,748.59
781			6" Concrete Curb	LF	45	10%	50	0.085	$ 50.00	$ 4.25	$ 15.78	$ 20.03	$ 991.49
782			4" Concrete Curb W/ Gutter	LF	53	10%	58	0.095	$ 50.00	$ 4.75	$ 18.75	$ 23.50	$ 1,370.05
783			6" Concrete Curb W/ Gutter	LF	14	10%	15	0.095	$ 50.00	$ 4.75	$ 18.75	$ 23.50	$ 348.98
784		Plan Notes	12" W Flush Concrete Curb	LF	624	10%	686	0.085	$ 50.00	$ 4.25	$ 15.78	$ 20.03	$ 13,748.59
			Note: There Is A Difference of Curb Detail Between Landscape & Civil Drawings. Due To Detailed Information On Landscape Plans, These Are Followed. Kindly Review & If Applicable, Make Changes Accordingly.										
			CONCRETE STAIR										
785			Concrete Stair Step	CY	81	10%	89	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 25,899.00
786			#4 Bar @ 18" O.C.	LBS	1378	10%	1516	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,097.66
787			(1) #4 Bar Cont.	LBS	591	10%	650	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 899.00
788			Formwork	SF	1594	10%	1753	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,762
			SIGN POST FOOTING										
789			**Circular Footing As;**	Dia.	1.50	-	-	H	3.00	EA	19.00		
790			1'-6" Dia. x 36" H Concrete Footing	CY	4	10%	4	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 1,189
791			**Vertical Reinforcement As;**	No. of Bars	5.00	No. of Layer	1	Weight/Bar	0.668				
792			(5) #4 Cont. Vertical Rebar	LBS	190	10%	209	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 289.83
793	C3.1 - C3.2	Plan Notes	**Horizonal Reinforcement As;**	Spacing	1.00	No. of Layer	1	Weight/Bar	0.376				
794			#3 @ 12" O.C. Reinforcing Ties	LBS	101	10%	111	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 153.68
795			Formwork	SF	268	10%	295	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 465
796			Excavation	CY	10	10%	11	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 273
797			Backfill	CY	7	10%	7	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 131
			STAIR STEP FOOTING										
798			**WF2 Cont. Concrete Footing As;**	LF	11	W	2.00	D	1.00				
799			2'-0" x 1'-0" Cont. Concrete Footing	CY	1	10%	1	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 251
800			**Longitudinal Reinforcement As;**	No. of Bars	3	No. of Layer	1	Weight/Bar	0.668				
801			(3) #4 Cont. Rebar @ Bottom	LBS	27	10%	29	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 40.50
802			**Transverse Reinforcement As;**	Spacing	4.00	No. of Layer	1	Weight/Bar	0.668				
803			#4 @ 48" O.C. Rebar Bottom	LBS	4	10%	5	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 6.75
804			Formwork	SF	21	10%	23	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 37
805			Excavation	CY	1	10%	1	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 31
806			Backfill	CY	0.39	10%	0.43	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 8
807			**WF2.5 Cont. Concrete Footing As;**	LF	552	W	2.50	D	1.00				
808			2'-6" x 1'-0" Cont. Concrete Footing	CY	51	10%	56	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 16,301
809			**Longitudinal Reinforcement As;**	No. of Bars	4	No. of Layer	1	Weight/Bar	0.668				
810		Plan Notes & Sectional Detail / S504	(4) #4 Cont. Rebar @ Bottom	LBS	1843	10%	2028	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 2,806.21
811	S191 - S195		**Transverse Reinforcement As;**	Spacing	4.00	No. of Layer	1	Weight/Bar	0.668				
812			#4 @ 48" O.C. Rebar Bottom	LBS	288	10%	317	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 438.34
813			Formwork	SF	1104	10%	1214	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,912
814			Excavation	CY	72	10%	79	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,889
815			Backfill	CY	20.44	10%	22.48	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 405
816			**WF3 Cont. Concrete Footing As;**	LF	530	W	3.00	D	1.00				

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817			2'-6" x 1'-0" Cont. Concrete Footing	CY	59	10%	65	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 18,782
818			**Longitudinal Reinforcement As;**	No. of Bars	5	No. of Layer	1	Weight/Bar	0.668				
819			(5) #4 Cont. Rebar @ Bottom	LBS	2212	10%	2434	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 3,368.12
820			**Transverse Reinforcement As;**	Spacing	2.00	No. of Layer	1	Weight/Bar	0.668				
821			#4 @ 24" O.C. Rebar Bottom	LBS	664	10%	730	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,010.44
822			Formwork	SF	1060	10%	1166	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,836
823			Excavation	CY	79	10%	86	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 2,073
824			Backfill	CY	19.63	10%	21.59	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 389
			CONCRETE WALL										
825			**8'' Thk Concrete Wall As;**	LF	266	H	3.00	THK	0.67				
826			8" Thk Concrete Wall	CY	20	10%	22	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 6,321
827			**Vertical Reinforcement As;**	Spacing	1.33	No. of Layer	1	Weight/Bar	0.668				
828			#4 Rebar @ 16" O.C. Centered	LBS	501	10%	551	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 763.24
829			**Horizontal Reinforcement As;**	Spacing	0.67	No. of Layer	1	Weight/Bar	0.668				
830			#4 @ 8" O.C. Rebar	LBS	995	10%	1095	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,515.09
831			Formwork	SF	1597	10%	1757	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,767
832			Excavation	CY	33	10%	36	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 869
833			Backfill	CY	20	10%	21.69	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 390
834			**18'' Thk Concrete Wall As;**	LF	39	H	15.18	THK	1.50				
835			18" Thk Concrete Wall	CY	33	10%	37	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 10,621
836			**Vertical Reinforcement As;**	Spacing	1.00	No. of Layer	2	Weight/Bar	0.668				
837			#4 Rebar @ 12" O.C. Centered	LBS	1001	10%	1101	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,523.68
838			**Horizontal Reinforcement As;**	Spacing	1.00	No. of Layer	2	Weight/Bar	0.668				
839			#4 Rebar @ 12" O.C. Centered	LBS	1001	10%	1101	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,523.68
840			Formwork	SF	1199	10%	1318	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,077
841			Excavation	CY	7	10%	8	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 193
842			Backfill	CY	3	10%	3.22	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 58
843			**8'' Thk Concrete Wall As;**	LF	86	H	4.00	THK	0.67				
844			8" Thk Concrete Wall	CY	9	10%	9	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 2,712
845			**Vertical Reinforcement As;**	Spacing	1.33	No. of Layer	1	Weight/Bar	0.668				
846			#4 Rebar @ 16" O.C. Centered	LBS	215	10%	237	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 327.42
847			**Horizontal Reinforcement As;**	Spacing	1.00	No. of Layer	1	Weight/Bar	0.668				
848			#4 @ 12" O.C. Rebar	LBS	286	10%	315	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 435.46
849			Formwork	SF	685	10%	754	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,187
850			Excavation	CY	11	10%	12	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 280
851			Backfill	CY	6	10%	6.98	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 126
852			**18'' Thk Concrete Wall As;**	LF	86	H	3.50	THK	1.50				
853			18" Thk Concrete Wall	CY	17	10%	18	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 5,312
854			**Vertical Reinforcement As;**	Spacing	1.00	No. of Layer	2	Weight/Bar	0.668				
855			#4 Rebar @ 12" O.C. Centered	LBS	501	10%	551	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 762.06
856			**Horizontal Reinforcement As;**	Spacing	1.00	No. of Layer	2	Weight/Bar	0.668				
857			#4 Rebar @ 12" O.C. Centered	LBS	501	10%	551	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 762.06
858			Formwork	SF	599	10%	659	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,039
859			Excavation	CY	16	10%	17	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 419
860			Backfill	CY	6	10%	6.98	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 126
861			**8'' Thk Concrete Wall As;**	LF	134	H	4.17	THK	0.67				
862			8" Thk Concrete Wall	CY	14	10%	15	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 4,428
863			**Vertical Reinforcement As;**	Spacing	1.33	No. of Layer	1	Weight/Bar	0.668				
864			#4 Rebar @ 16" O.C. Centered	LBS	351	10%	386	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 534.61
865			**Horizontal Reinforcement As;**	Spacing	0.67	No. of Layer	1	Weight/Bar	0.668				
866			#4 @ 8" O.C. Rebar	LBS	697	10%	767	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,061.24
867			Formwork	SF	1119	10%	1231	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 1,938
868			Excavation	CY	17	10%	18	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 438
869			Backfill	CY	10	10%	10.94	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 197

DETAILED BREAKDOWN OF ITEMS

Prepared for: Old Dominion University, New Biology Building, 4508 Elkhorn Avenue Norfolk, VA 23529
Project ID: 7292024
Scope: Concrete

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
	S191 - S195	S504 / Sectional Details											
870			**8'' Thk Concrete Wall As;**	LF	178	H	4.67	THK	0.67				
871			8" Thk Concrete Wall	CY	21	10%	23	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 6,563
872			**Vertical Reinforcement As;**	Spacing	1.33	No. of Layer	1	Weight/Bar	0.668				
873			#4 Rebar @ 16" O.C. Centered	LBS	521	10%	573	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 792.46
874			**Horizontal Reinforcement As;**	Spacing	1.00	No. of Layer	1	Weight/Bar	0.668				
875			#4 @ 12" O.C. Rebar	LBS	692	10%	762	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 1,053.97
876			Formwork	SF	1658	10%	1824	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 2,873
877			Excavation	CY	40	10%	44	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 1,064
878			Backfill	CY	24	10%	26.55	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 478
879			**15'' Thk Concrete Wall As;**	LF	36	H	6.00	THK	1.25				
880			15" Thk Concrete Wall	CY	10	10%	11	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 3,183
881			**Vertical Reinforcement As;**	Spacing	1.33	No. of Layer	2	Weight/Bar	0.668				
882			#4 Rebar @ 16" O.C. Centered	LBS	271	10%	298	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 411.98
883			**Horizontal Reinforcement As;**	Spacing	1.00	No. of Layer	2	Weight/Bar	0.668				
884			#4 @ 12" O.C. Rebar	LBS	360	10%	396	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 547.94
885			Formwork	SF	431	10%	474	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 747
886			Excavation	CY	6	10%	7	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 158
887			Backfill	CY	3	10%	2.93	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 53
888			**15'' Thk Concrete Wall As;**	LF	13	H	4.00	THK	1.25				
889			15" Thk Concrete Wall	CY	2	10%	3	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 764
890			**Vertical Reinforcement As;**	Spacing	1.33	No. of Layer	2	Weight/Bar	0.668				
891			#4 Rebar @ 16" O.C. Centered	LBS	65	10%	71	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 98.94
892			**Horizontal Reinforcement As;**	Spacing	1.00	No. of Layer	2	Weight/Bar	0.668				
893			#4 @ 12" O.C. Rebar	LBS	86	10%	95	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 131.60
894			Formwork	SF	104	10%	114	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 179
895			Excavation	CY	4	10%	4	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 100
896			Backfill	CY	2	10%	1.85	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 33
897			**12'' Thk Concrete Wall As;**	LF	17	H	3.00	THK	1.00				
898			15" Thk Concrete Wall	CY	2	10%	2	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 613
899			**Vertical Reinforcement As;**	Spacing	1.33	No. of Layer	2	Weight/Bar	0.668				
900			#4 Rebar @ 16" O.C. Centered	LBS	65	10%	72	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 99.15
901			**Horizontal Reinforcement As;**	Spacing	1.00	No. of Layer	2	Weight/Bar	0.668				
902			#4 @ 12" O.C. Rebar	LBS	87	10%	95	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 131.87
903			Formwork	SF	104	10%	114	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 180
904			Excavation	CY	4	10%	5	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 118
905			Backfill	CY	2	10%	2.47	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 44
906			**18'' Thk Concrete Wall As;**	LF	15	H	4.00	THK	1.50				
907			18" Thk Concrete Wall	CY	3	10%	4	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 1,080
908			**Vertical Reinforcement As;**	Spacing	1.00	No. of Layer	2	Weight/Bar	0.668				
909			#4 Rebar @ 12" O.C. Centered	LBS	102	10%	112	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 154.88
910			**Horizontal Reinforcement As;**	Spacing	1.00	No. of Layer	2	Weight/Bar	0.668				
911			#4 Rebar @ 12" O.C. Centered	LBS	102	10%	112	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 154.88
912			Formwork	SF	122	10%	134	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 211
913			Excavation	CY	4	10%	5	0.600	$ 40.00	$ 24.00	$ -	$ 24.00	$ 112
914			Backfill	CY	2	10%	1.86	0.450	$ 40.00	$ 18.00	$ -	$ 18.00	$ 34
			MOCK UP AREA CONCRETE										
915			**18'' Dia. Concrete Column As;**	Dia.	1.50	-	-	H	2.67	EA	1.00		
916			18" Dia. Concrete Column (2'-8" H)	CY	0.2	10%	0.2	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 56
917			**Vertical Reinforcement As;**	No. of Bars	8	No. of Layer	1	Weight/Bar	1.043				
918			(8) #5 Cont. Vertical Rebar	LBS	28	10%	31	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 42.40
919			**Horizontal Reinforcement As;**	Spacing	1.50	No. of Layer	1	Weight/Bar	0.376				
920			#3 Ties Reinforcement @ 18" O.C.	LBS	3	10%	3	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 4.80
921			Formwork	SF	13	10%	14	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 22

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Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
922			**8'' Thk Concrete Wall As;**	LF	47	H	2.67	THK	0.67				
923			2'-6" H x 8" Thk Concrete Wall	CY	3	10%	3	2.200	$ 50.00	$ 110.00	$ 180.00	$ 290.00	$ 985
924			**Vertical Reinforcement As;**	Spacing	1.50	No. of Layer	1	Weight/Bar	0.668				
925			#4 Rebar @ 18" O.C. Centered	LBS	69	10%	76	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 105.42
926			**Horizontal Reinforcement As;**	Spacing	1.50	No. of Layer	1	Weight/Bar	0.668				
927			#5 @ 12" O.C. Rebar	LBS	69	10%	76	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 105.42
928			Formwork	SF	249	10%	274	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 431
929			**Slab Thickened Edge As;**	LF	47	W	0.67	D	1.00				
930	S901 & S902	Plan Notes	8" W x 12" D Tapered Slab Thickened Edge	CY	1	10%	1	2.000	$ 50.00	$ 100.00	$ 180.00	$ 280.00	$ 356
931			Formwork	SF	66	10%	72	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 114
932			8" Concrete Slab On Grade	SF	256	10%	282	0.045	$ 50.00	$ 2.25	$ 4.40	$ 6.65	$ 1,873
933			#4 @ 12" O.C. Each Way Middle	LBS	342	10%	376	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 520.85
934			15 Mil. Extruded Polyolefin Membrane (Vapor Retarder) - Specs Assumed	SF	256	10%	282	0.008	$ 44.00	$ 0.35	$ 0.54	$ 0.89	$ 251
935			6" Granular Fill (Assumed)	CY	6	10%	7	0.625	$ 44.00	$ 27.50	$ 45.00	$ 72.50	$ 505
936			Existing Compacted Subgrade	SF	256	10%	282	0.004	$ 44.00	$ 0.18	$ 0.49	$ 0.67	$ 188
937			5" Raised Concrete Slab	SF	256	10%	282	0.045	$ 50.00	$ 2.25	$ 4.40	$ 6.65	$ 1,873
938			#3 @ 12" O.C. Each Way Middle	LBS	193	10%	212	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 293.17
939			32" Thk Structural Rigid Insulation	SF	256	10%	282	0.015	$ 50.00	$ 0.75	$ 3.48	$ 4.23	$ 1,192
940			Formwork	SF	279	10%	307	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 484
941			8" x 8" Concrete Curb	CY	0.20	10%	0	0.085	$ 50.00	$ 4.25	$ 15.78	$ 20.03	$ 4
942			(2) #4 Cont. Rebar - Horizontal Reinforcement	LBS	16	10%	18	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 24.94
943			#4 @ 12" O.C. - Vertical Dowel Reinforcement	LBS	12	10%	14	0.011	$ 44.00	$ 0.48	$ 0.90	$ 1.38	$ 18.70
944			Formwork	SF	16	10%	18	0.045	$ 35.00	$ 1.58	$ -	$ 1.58	$ 28
												SUBTOTAL	$ 457,671

		PROJECTED COST	$6,929,872
OVERHEAD AND PROFIT		15%	$1,039,481
INSURANCE		2%	$138,597
CONTINGENCY		3%	$207,896
TAX		6%	$233,576
SUGGESTED BID			$8,549,422