

Building Data Summary	
Project ID:	Commercial - *****
Location:	
Scope of Work:	CMU & Concrete
Date:	

SR #	REF. DWG.	CSI DIVISION	DESCRIPTION	Unit	Quantity	Wastag e	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
1000			GENERAL REQUIREMENTS												
1			Supervision and Coordination	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 2,500.00	
2			Submittals and Shop drawings	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 2,000.00	
3			Final Cleaning	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 1,500.00	
4			Mobilization Costs	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 1,000.00	
5			Temporary Control & Facilities	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 1,200.00	
SUBTOTAL (General Requirements)									\$ -				\$ -		\$ 8,200.00
3000			CONCRETE												
			Foundation												
			Isolated Footing												
			2F2.5												
			(2'-6"SQ x 1'-6"D) Column Footing w/ (5) - #4 Top & Bottom Each Way Reinforcement (3 EA)												
6			Concrete	CY	1.05	5%	1.10	\$ 245.00	\$ 270.11	2.800	\$ 55.00	\$ 154.00	\$ 169.79	\$ 439.90	
7			#4 Top & Bottom Reinforcement (25 LF)	Lbs.	17	5%	17.85	\$ 1.10	\$ 19.64	0.015	\$ 48.00	\$ 0.72	\$ 12.85	\$ 32.49	
8			Formwork	SF	15	5%	16	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 68.04	\$ 68.04	
9			Excavation	CY	1.21	5%	1.27	\$ -	\$ -	1.100	\$ 48.00	\$ 52.80	\$ 67.08	\$ 67.08	
10			Backfill	CY	0.16	5%	0.17	\$ -	\$ -	0.785	\$ 48.00	\$ 37.68	\$ 6.33	\$ 6.33	
			2F4.0												
			(4'-0"SQ x 1'-6"D) Column Footing w/ (5) - #5 Top & Bottom Each Way Reinforcement (1 EA)												
11			Concrete	CY	0.89	5%	0.93	\$ 245.00	\$ 228.95	2.800	\$ 55.00	\$ 154.00	\$ 143.91	\$ 372.87	
12			#4 Top & Bottom Reinforcement (80 LF)	Lbs.	54	5%	57	\$ 1.10	\$ 62.37	0.015	\$ 48.00	\$ 0.72	\$ 40.82	\$ 103.19	
13			Formwork	SF	24	5%	25	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 108.86	\$ 108.86	
14			Excavation	CY	1.03	5%	1.08	\$ -	\$ -	1.100	\$ 48.00	\$ 52.80	\$ 57.10	\$ 57.10	
15			Backfill	CY	0.14	5%	0.15	\$ -	\$ -	0.785	\$ 48.00	\$ 37.68	\$ 5.54	\$ 5.54	
			2F5.0												
			(5'-0"SQ x 1'-6"D) Column Footing w/ (6) - #5 Top & Bottom Each Way Reinforcement (4 EA)												
16			Concrete	CY	5.56	5%	5.84	\$ 245.00	\$ 1,430.31	2.800	\$ 55.00	\$ 154.00	\$ 899.05	\$ 2,329.36	
17			#4 Top & Bottom Reinforcement (120 LF)	Lbs.	81	5%	85	\$ 1.10	\$ 93.56	0.015	\$ 48.00	\$ 0.72	\$ 61.24	\$ 154.79	
18			Formwork	SF	30	5%	32	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 136.08	\$ 136.08	
19			Excavation	CY	6.40	5%	6.72	\$ -	\$ -	1.100	\$ 48.00	\$ 52.80	\$ 354.82	\$ 354.82	
20			Backfill	CY	0.84	5%	0.88	\$ -	\$ -	0.785	\$ 48.00	\$ 37.68	\$ 33.23	\$ 33.23	
			Continuous Footing												
			2WF2.0												
			(2'-0"W x 1'-4"D) Wall Footing w/ (3) - #5 Top & Bottom Continuous Reonforcement & #4 Top & Bottom Transverse Reinforcment @ 18" O.C (28 LF)												
21			Concrete	CY	2.76	5%	2.90	\$ 245.00	\$ 710.01	2.800	\$ 55.00	\$ 154.00	\$ 446.29	\$ 1,156.30	
22			(3) - #5 Top & Bottom Reinforcement (168 LF)	Lbs.	176	5%	185	\$ 1.10	\$ 203.28	0.015	\$ 48.00	\$ 0.72	\$ 133.06	\$ 336.34	
23			#4 Top & Bottom Transverse Reinforcement (75 LF)	Lbs.	51	5%	54	\$ 1.10	\$ 58.91	0.015	\$ 48.00	\$ 0.72	\$ 38.56	\$ 97.46	
24			Formwork	SF	75	5%	79	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 340.20	\$ 340.20	
25			Excavation	CY	3.18	5%	3.34	\$ -	\$ -	1.100	\$ 48.00	\$ 52.80	\$ 176.30	\$ 176.30	
26			Backfill	CY	0.42	5%	0.44	\$ -	\$ -	0.785	\$ 48.00	\$ 37.68	\$ 16.62	\$ 16.62	
			2WF2.5												
			(2'-6"W x 1'-4"D) Wall Footing w/ (3) - #5 Top & Bottom Continuous Reonforcement & #4 Top & Bottom Transverse Reinforcment @ 18" O.C (365 LF)												
27			Concrete	CY	44.95	5%	47.20	\$ 245.00	\$ 11,563.39	2.800	\$ 55.00	\$ 154.00	\$ 7,268.42	\$ 18,831.80	
28			(3) - #5 Top & Bottom Reinforcement (2190 LF)	Lbs.	2285	5%	2399	\$ 1.10	\$ 2,639.18	0.015	\$ 48.00	\$ 0.72	\$ 1,727.46	\$ 4,366.64	
29			#4 Top & Bottom Transverse Reinforcement (1217 LF)	Lbs.	813	5%	854	\$ 1.10	\$ 939.02	0.015	\$ 48.00	\$ 0.72	\$ 614.63	\$ 1,553.64	
30			Formwork	SF	971	5%	1020	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 4,404.46	\$ 4,404.46	
31			Excavation	CY	51.70	5%	54.29	\$ -	\$ -	1.100	\$ 48.00	\$ 52.80	\$ 2,866.25	\$ 2,866.25	
32			Backfill	CY	6.75	5%	7.09	\$ -	\$ -	0.785	\$ 48.00	\$ 37.68	\$ 267.06	\$ 267.06	
			2WF3.0												
			(3'-0"W x 1'-4"D) Wall Footing w/ (4) - #5 Top & Bottom Continuous Reonforcement & #4 Top & Bottom Transverse Reinforcment @ 16" O.C (145 LF)												
33			Concrete	CY	21.48	5%	22.55	\$ 245.00	\$ 5,525.73	2.800	\$ 55.00	\$ 154.00	\$ 3,473.32	\$ 8,999.05	
34			(4) - #5 Top & Bottom Reinforcement (1160 LF)	Lbs.	1210	5%	1271	\$ 1.10	\$ 1,397.55	0.015	\$ 48.00	\$ 0.72	\$ 914.76	\$ 2,312.31	
35			#4 Top & Bottom Transverse Reinforcement (580 LF)	Lbs.	388	5%	407	\$ 1.10	\$ 448.14	0.015	\$ 48.00	\$ 0.72	\$ 293.33	\$ 741.47	
36			Formwork	SF	386	5%	405	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 1,750.90	\$ 1,750.90	
37			Excavation	CY	24.71	5%	25.95	\$ -	\$ -	1.100	\$ 48.00	\$ 52.80	\$ 1,369.92	\$ 1,369.92	
38			Backfill	CY	3.23	5%	3.39	\$ -	\$ -	0.785	\$ 48.00	\$ 37.68	\$ 127.79	\$ 127.79	
			Slab On Grade												
			(4" Thick) Concrete Slab w/ (6x6 - W2.1xW2.1) Welded Wire Mesh (5030 SF)												
39			Concrete	CY	62.03	5%	65.13	\$ 245.00	\$ 15,957.22	2.800	\$ 55.00	\$ 154.00	\$ 10,030.25	\$ 25,987.47	
40			(6x6 - W2.1xW2.1) Welded Wire Mesh	SF	5030	5%	5282	\$ 3.15	\$ 16,636.73	0.020	\$ 55.00	\$ 1.10	\$ 5,809.65	\$ 22,446.38	
41			(4" Thick) Compacted Subbase	SF	5030	5%	5282	\$ 0.49	\$ 2,587.94	0.004	\$ 55.00	\$ 0.22	\$ 1,161.93	\$ 3,749.87	
42			Formwork	SF	140	5%	147	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 635.04	\$ 635.04	
			(8" Thick) Concrete Slab w/ #4 @ 12" O.C Each Way Reinforcement (3310 SF)												
43			Concrete	CY	81.72	5%	85.81	\$ 245.00	\$ 21,022.47	2.800	\$ 55.00	\$ 154.00	\$ 13,214.12	\$ 34,236.59	
44			#4 Reinforcement (6620 LF)	Lbs.	4423	5%	4644	\$ 1.10	\$ 5,108.57	0.015	\$ 48.00	\$ 0.72	\$ 3,343.79	\$ 8,452.35	
45			(4" Thick) Compacted Subbase	SF	6620	5%	6951	\$ 0.49	\$ 3,405.99	0.004	\$ 55.00	\$ 0.22	\$ 1,529.22	\$ 4,935.21	
46			Formwork	SF	165	5%	173	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 748.44	\$ 748.44	
			(12" Thick) Islated Slab w/ #5 Reinforcment @ 12" O.C Bottom Each Way Reinforcement (20 SF)												
47			Concrete	CY	0.74	5%	0.78	\$ 245.00	\$ 190.37	2.800	\$ 55.00	\$ 154.00	\$ 119.66	\$ 310.02	
48			#5 Reinforcement (40 LF)	Lbs.	42	5%	44	\$ 1.10	\$ 48.51	0.015	\$ 48.00	\$ 0.72	\$ 31.75	\$ 80.26	
49			(4" Thick) Compacted Subbase	SF	20	5%	21	\$ 0.49	\$ 10.29	0.004	\$ 55.00	\$ 0.22	\$ 4.62	\$ 14.91	
50			Formwork	SF	16	5%	17	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 72.58	\$ 72.58	
			Thickened Slab Edge												
			TS-1												
			(8"W x 8"D) Thickened Slab Edge w/ (1) - #5 Top Reinforcement (130 LF)												
51			Concrete	CY	2.15	5%	2.26	\$ 245.00	\$ 553.09	2.800	\$ 55.00	\$ 154.00	\$ 347.66	\$ 900.74	
52			#5 Reinforcement (130 LF)	Lbs.	136	5%	143	\$ 1.10	\$ 157.08	0.015	\$ 48.00	\$ 0.72	\$ 102.82	\$ 259.90	
			TS-2												
			(2'-6"W x 2'-0"D) Thickened Slab Edge (80 LF)												
53			Concrete	CY	14.82	5%	15.56	\$ 245.00	\$ 3,812.45	2.800	\$ 55.00	\$ 154.00	\$ 2,396.39	\$ 6,208.84	
			TS-3												
			(1'-0"W x 8" D) Thickened Slab Edge w/ (2) - #5 Bottom Reinforcemnet (55 LF)												
54			Concrete	CY	1.37	5%	1.44	\$ 245.00	\$ 352.43	2.800	\$ 55.00	\$ 154.00	\$ 221.53	\$ 573.96	
55			#5 Reinforcement (110 LF)	Lbs.	115	5%	121	\$ 1.10	\$ 132.83	0.015	\$ 48.00	\$ 0.72	\$ 86.94	\$ 219.77	
			TS-4												
			(1'-0"W x 1'-0" D) Thickned Slab Edge w/ (1) - #5 Top & (2) - #5 Bottom Reinforcement (55 LF)												
56	CS-1001 S-201 S-202 S-203		Concrete	CY	2.03	5%	2.13	\$ 245.00	\$ 522.22	2.800	\$ 55.00	\$ 154.00	\$ 328.25	\$ 850.47	
57			#5 Reinforcement (165 LF)	Lbs.	173	5%	182	\$ 1.10	\$ 199.82	0.015	\$ 48.00	\$ 0.72	\$ 130.79	\$ 330.60	

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			(8" Thick x 8" High) Concrete Curb w/ (2) #4 Continuous & #4 @ 18" O.C Vertical Reinforcement (35 LF)												
58			Concrete	CY	0.58	5%	0.61	\$ 245.00	\$ 149.21	2.800	\$ 55.00	\$ 154.00	\$ 93.79	\$ 242.99	
59			#4 Continuous Reinforcement (70 LF)	Lbs.	47	5%	49	\$ 1.10	\$ 54.29	0.015	\$ 48.00	\$ 0.72	\$ 35.53	\$ 89.82	
60			#4 Vertical Reinforcement (35 LF)	Lbs.	24	5%	25	\$ 1.10	\$ 27.72	0.015	\$ 48.00	\$ 0.72	\$ 18.14	\$ 45.86	
			(2'-0"W x 8" D) Thickened Slab @ Trench Drain w/ (3) - #4 Continuous Bottom Reinforcement (155 LF)												
61			Concrete	CY	7.69	5%	8.07	\$ 245.00	\$ 1,978.25	2.800	\$ 55.00	\$ 154.00	\$ 1,243.47	\$ 3,221.73	
62			#4 Continuous Reinforcement (465 LF)	Lbs.	311	5%	327	\$ 1.10	\$ 359.21	0.015	\$ 48.00	\$ 0.72	\$ 235.12	\$ 594.32	
			Concrete Pier (1'-8"SQ x 1'-4"D) Concrete Pier @ Steel Column (5 EA)												
63			Concrete	CY	0.69	5%	0.72	\$ 245.00	\$ 177.50	2.800	\$ 55.00	\$ 154.00	\$ 111.57	\$ 289.08	
64			Formwork	SF	8.90	5%	9	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 40.39	\$ 40.39	
65			Excavation	CY	0.80	5%	0.84	\$ -	\$ -	1.100	\$ 48.00	\$ 52.80	\$ 44.35	\$ 44.35	
66			Backfill	CY	0.11	5%	0.12	\$ -	\$ -	0.785	\$ 48.00	\$ 37.68	\$ 4.35	\$ 4.35	
			Ground Floor												
			Concrete Columnn (8"x8") Concrete Column w/ (4) - #4 Longitudinal & #3 Ties @ 8" O.C (12'-0" H) (4 EA)												
67			Concrete	CY	0.79	5%	0.83	\$ 245.00	\$ 203.23	2.800	\$ 55.00	\$ 154.00	\$ 127.74	\$ 330.97	
68			#4 Longitudinal Reinforcement (192 LF)	Lbs.	129	5%	135	\$ 1.10	\$ 149.00	0.015	\$ 48.00	\$ 0.72	\$ 97.52	\$ 246.52	
69			#3 Ties Reinforcement (192 LF)	Lbs.	73	5%	77	\$ 1.10	\$ 84.32	0.015	\$ 48.00	\$ 0.72	\$ 55.19	\$ 139.50	
			(8"x8") Concrete Column w/ (4) - #4 Longitudinal & #3 Ties @ 8" O.C (8'-1" H) (3 EA)												
70			Concrete	CY	0.41	5%	0.43	\$ 245.00	\$ 105.47	2.800	\$ 55.00	\$ 154.00	\$ 66.30	\$ 171.77	
71			#4 Longitudinal Reinforcement (97 LF)	Lbs.	65	5%	68	\$ 1.10	\$ 75.08	0.015	\$ 48.00	\$ 0.72	\$ 49.14	\$ 124.22	
72			#3 Ties Reinforcement (97 LF)	Lbs.	37	5%	39	\$ 1.10	\$ 42.74	0.015	\$ 48.00	\$ 0.72	\$ 27.97	\$ 70.71	
			Concrete Beam												
			CB-1 (7'-5/8"W x 24"D) Concrete Beam w/ (2) - #5 Top & Bottom Continuous & #3 Ties @ 8" O.C Reinforcement (375 LF)												
73			Concrete	CY	17.64	5%	18.52	\$ 245.00	\$ 4,537.89	2.800	\$ 55.00	\$ 154.00	\$ 2,852.39	\$ 7,390.28	
74			#5 Top & Bottom Reinforcement (1500 LF)	Lbs.	1565	5%	1643	\$ 1.10	\$ 1,807.58	0.015	\$ 48.00	\$ 0.72	\$ 1,183.14	\$ 2,990.72	
75			#3 Ties Reinforcement (2950 LF)	Lbs.	1110	5%	1166	\$ 1.10	\$ 1,282.05	0.015	\$ 48.00	\$ 0.72	\$ 839.16	\$ 2,121.21	
76			Formwork	SF	1500	5%	1575	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 6,804.00	\$ 6,804.00	
			CB-2 (7'-5/8"W x 47"D) Concrete Beam w/ (2) - #6 Top & Bottom Continuous & #3 Ties @ 8" O.C Reinforcement (30 LF)												
77			Concrete	CY	2.77	5%	2.91	\$ 245.00	\$ 712.58	2.800	\$ 55.00	\$ 154.00	\$ 447.91	\$ 1,160.49	
78			#6 Top & Bottom Reinforcement (120 LF)	Lbs.	180	5%	189	\$ 1.10	\$ 207.90	0.015	\$ 48.00	\$ 0.72	\$ 136.08	\$ 343.98	
79			#3 Ties Reinforcement (408 LF)	Lbs.	154	5%	162	\$ 1.10	\$ 177.87	0.015	\$ 48.00	\$ 0.72	\$ 116.42	\$ 294.29	
80			Formwork	SF	235	5%	247	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 1,065.96	\$ 1,065.96	
			CB-3 (7'-5/8"W x 32"D) Concrete Beam w/ (2) - #6 Top & Bottom Continuous, #3 Ties @ 8" O.C & #5 Continuous Reinforcement (17 LF)												
81			Concrete	CY	1.07	5%	1.12	\$ 245.00	\$ 275.26	2.800	\$ 55.00	\$ 154.00	\$ 173.02	\$ 448.28	
82			#6 Top & Bottom Reinforcement (68 LF)	Lbs.	103	5%	108	\$ 1.10	\$ 118.97	0.015	\$ 48.00	\$ 0.72	\$ 77.87	\$ 196.83	
83			#5 Reinforcement (17 LF)	Lbs.	18	5%	19	\$ 1.10	\$ 20.79	0.015	\$ 48.00	\$ 0.72	\$ 13.61	\$ 34.40	
84			#3 Ties Reinforcement (168 LF)	Lbs.	64	5%	67	\$ 1.10	\$ 73.92	0.015	\$ 48.00	\$ 0.72	\$ 48.38	\$ 122.30	
85			Formwork	SF	90	5%	95	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 408.24	\$ 408.24	
			CB-4 (7'-5/8"W x 16"D) Concrete Beam w/ (2) #5 Top & Bottom Continuous, #3 Ties @ 8" O.C Reinforcement (24 LF)												
86			Concrete	CY	0.76	5%	0.80	\$ 245.00	\$ 195.51	2.800	\$ 55.00	\$ 154.00	\$ 122.89	\$ 318.40	
87			#5 Top & Bottom Reinforcement (96 LF)	Lbs.	101	5%	106	\$ 1.10	\$ 116.66	0.015	\$ 48.00	\$ 0.72	\$ 76.36	\$ 193.01	
88			#3 Ties Reinforcement (140 LF)	Lbs.	53	5%	56	\$ 1.10	\$ 61.22	0.015	\$ 48.00	\$ 0.72	\$ 40.07	\$ 101.28	
89			Formwork	SF	64	5%	67	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 290.30	\$ 290.30	
			CB-5 (8"W x 8"D) Concrete Beam w/ (2) #5 Top & Bottom Continuous & #3 Ties @ 8" O.C Reinforcement (35 LF)												
90			Concrete	CY	0.59	5%	0.62	\$ 245.00	\$ 151.78	2.800	\$ 55.00	\$ 154.00	\$ 95.40	\$ 247.18	
91			#5 Top & Bottom Reinforcement (140 LF)	Lbs.	147	5%	154	\$ 1.10	\$ 169.79	0.015	\$ 48.00	\$ 0.72	\$ 111.13	\$ 280.92	
92			#3 Ties Reinforcement (140 LF)	Lbs.	53	5%	56	\$ 1.10	\$ 61.22	0.015	\$ 48.00	\$ 0.72	\$ 40.07	\$ 101.28	
93			Formwork	SF	47	5%	49	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 213.19	\$ 213.19	
			Concrete Walls												
			CB-5-185 (8" Thick) Concrete Wall w/ #5 @ 18" O.C Each Way Reinforcement (4'-0" H) (25 LF)												
94			Concrete	CY	2.49	5%	2.61	\$ 245.00	\$ 640.55	2.800	\$ 55.00	\$ 154.00	\$ 402.63	\$ 1,043.19	
95			#5 Reinforcement (134 LF)	Lbs.	140	5%	147	\$ 1.10	\$ 161.70	0.015	\$ 48.00	\$ 0.72	\$ 105.84	\$ 267.54	
96			Formwork	SF	200	5%	210	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 907.20	\$ 907.20	
			CB-5-185 (8" Thick) Concrete Wall w/ #5 @ 18" O.C Each Way Reinforcement (4'-10" H) (98 LF)												
97			Concrete	CY	11.75	5%	12.34	\$ 245.00	\$ 3,022.69	2.800	\$ 55.00	\$ 154.00	\$ 1,899.98	\$ 4,922.66	
98			#5 Reinforcement (632 LF)	Lbs.	660	5%	693	\$ 1.10	\$ 762.30	0.015	\$ 48.00	\$ 0.72	\$ 498.96	\$ 1,261.26	
99			Formwork	SF	947	5%	994	\$ -	\$ -	0.090	\$ 48.00	\$ 4.32	\$ 4,295.59	\$ 4,295.59	
			Roof												
			Cast In Place Concrete Canopy w/ #4 @ 12" O.C Each Way Top & Bottom Reinforcement (220 SF)												
100			Concrete	CY	6.12	5%	6.43	\$ 245.00	\$ 1,574.37	2.800	\$ 55.00	\$ 154.00	\$ 989.60	\$ 2,563.97	
101			#4 Reinforcement (440 LF)	Lbs.	294	5%	309	\$ 1.10	\$ 339.57	0.015	\$ 48.00	\$ 0.72	\$ 222.26	\$ 561.83	
			Site Concrete												
102			(8" Thick) Concrete Pad @ Generator Pad (250 SF)	CY	6.21	5%	6.52	\$ 245.00	\$ 1,597.52	2.800	\$ 55.00	\$ 154.00	\$ 1,004.16	\$ 2,601.68	
			Sidewalk Concrete												
103			(4" Thick) Concrete Sidewalk (3503 SF)	CY	43.21	5%	45.37	\$ 245.00	\$ 11,115.77	2.800	\$ 55.00	\$ 154.00	\$ 6,987.06	\$ 18,102.83	
104			(4") Thick Compacted Subbase	SF	3503	5%	3678	\$ 0.49	\$ 1,802.29	0.004	\$ 55.00	\$ 0.22	\$ 809.19	\$ 2,611.49	
			SUBTOTAL (Concrete)					\$ 130,681.81				\$ 104,238.12		\$ 234,919.94	
		4000	MASONARY												
			CMU Wall												
			WB-5-245 (8" H) (55 LF)												
105			(8" Thick) CMU Wall w/ #5 @ 24" O.C												
106			(8"x8"x16") CMU Block	EA	41	5%	43	\$ 25.00	\$ 1,076.25			\$ -	\$ 1,076.25		
107			Grout Fill	CY	0.84	5%	0.88								
108			#5 Reinforcement (20 LF)	Lbs.	21	5%	22								
			Formwork	SF	74	5%	78	\$ -	\$ -	0.090	\$ 45.00	\$ 4.05	\$ 314.69	\$ 314.69	
			WB-5-245 (2'-8" H) (25 LF)												
109			(8" Thick) CMU Wall w/ #5 @ 24" O.C												
110			(8"x8"x16") CMU Block	EA	76	5%	80	\$ 25.00	\$ 1,995.00			\$ -	\$ 1,995.00		
111			Grout Fill	CY	0.95	5%	1.00								
112			#5 Reinforcement (34 LF)	Lbs.	36	5%	38								
			Formwork	SF	135	5%	142	\$ -	\$ -	0.090	\$ 45.00	\$ 4.05	\$ 574.09	\$ 574.09	
			WB-5-245 (5'-0" H) (135 LF)												
113			(8" Thick) CMU Wall w/ #5 @ 24" O.C												
114			(8"x8"x16") CMU Block	EA	792	5%	832	\$ 25.00	\$ 20,790.00			\$ -	\$ 20,790.00		
115			Grout Fill	CY	8.16	5%	8.57								
116			#5 Reinforcement (540 LF)	Lbs.	564	5%	592								
			Formwork	SF	1350	5%	1418	\$ -	\$ -	0.090	\$ 45.00	\$ 4.05	\$ 5,740.88	\$ 5,740.88	

Building Data Summary	
Project ID:	Commercial - *****
Location:	
Scope of Work:	CMU & Concrete
Date:	

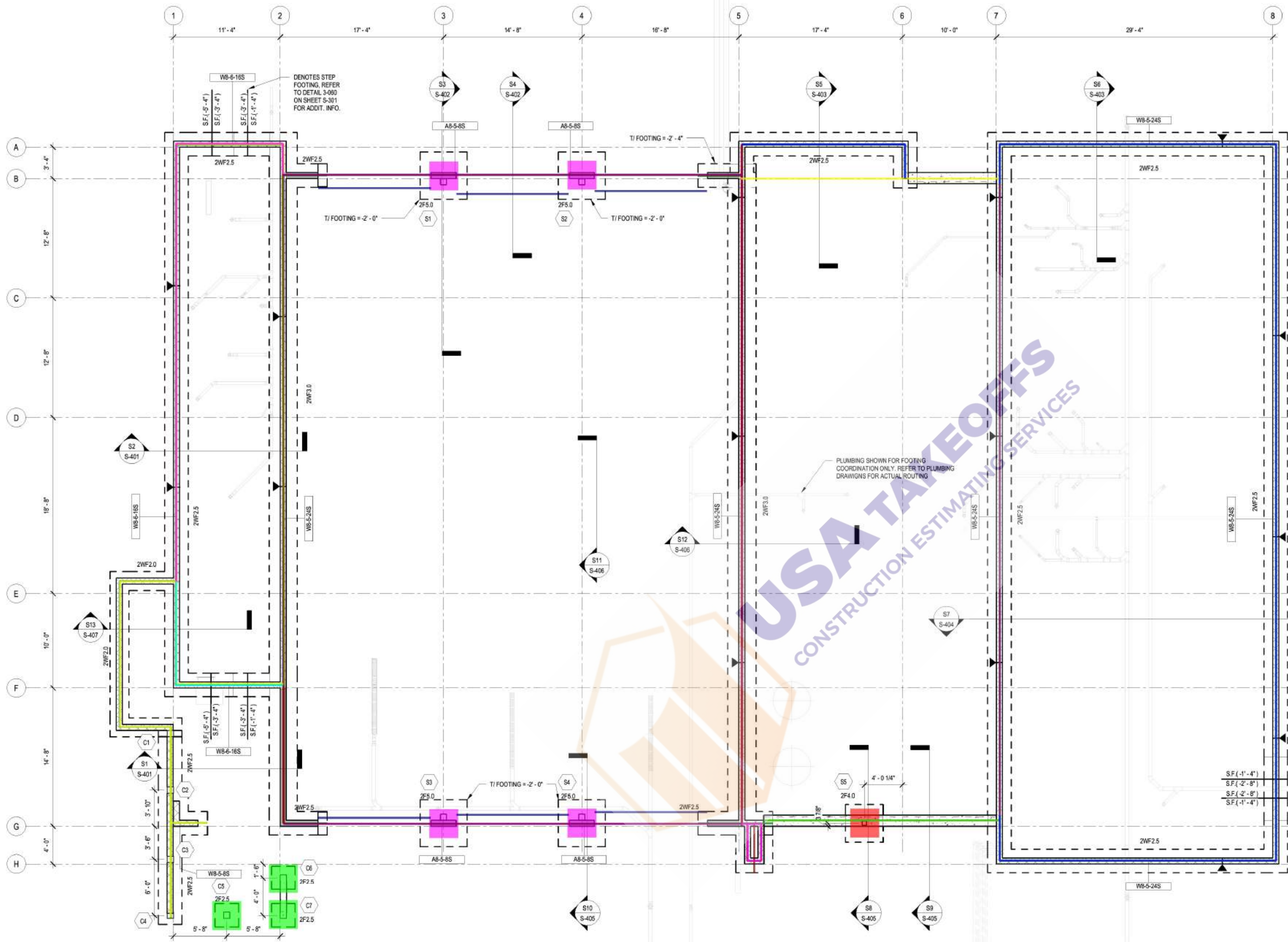
SR #	REF. DWG.	CSI DIVISION	DESCRIPTION	Unit	Quantity	Wastag e	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
	S-201 S-202 S-203		W8-5-24S (10'-8" H) (68 LF) (8" Thick) CMU Wall w/ #5 @ 24" O.C												
117			(8"x8"x16") CMU Block	EA	800	5%	840	\$ 25.00	\$ 21,000.00				\$ -	\$ 21,000.00	
118			Grout Fill	CY	8.67	5%	9.10								
119			#5 Reinforcement (363 LF)	Lbs.	379	5%	398								
120			Formwork	SF	1455	5%	1528	\$ -	\$ -	0.090	\$ 45.00	\$ 4.05	\$ 6,187.39	\$ 6,187.39	
			W8-5-24S (13'-8" H) (165 LF) (8" Thick) CMU Wall w/ #5 @ 24" O.C												
121			(8"x8"x16") CMU Block	EA	2420	5%	2541	\$ 25.00	\$ 63,525.00				\$ -	\$ 63,525.00	
122			Grout Fill	CY	26.04	5%	27.34								
123			#5 Reinforcement (1130 LF)	Lbs.	1179	5%	1238								
124			Formwork	SF	4515	5%	4741	\$ -	\$ -	0.090	\$ 45.00	\$ 4.05	\$ 19,200.04	\$ 19,200.04	
			W8-5-24S (15'-8" H) (84 LF) (8" Thick) CMU Wall w/ #5 @ 24" O.C												
125			(8"x8"x16") CMU Block	EA	1426	5%	1497	\$ 25.00	\$ 37,432.50				\$ -	\$ 37,432.50	
126			Grout Fill	CY	28.52	5%	29.95								
127			#5 Reinforcement (658 LF)	Lbs.	687	5%	721								
128			Formwork	SF	2635	5%	2767	\$ -	\$ -	0.090	\$ 45.00	\$ 4.05	\$ 11,205.34	\$ 11,205.34	
			W8-5-24S (15'-0" H) (165 LF) (8" Thick) CMU Wall w/ #5 @ 24" O.C												
129			(8"x8"x16") CMU Block	EA	2127	5%	2233	\$ 25.00	\$ 55,833.75				\$ -	\$ 55,833.75	
130			Grout Fill	CY	28.52	5%	29.95								
131			#5 Reinforcement (1238 LF)	Lbs.	1292	5%	1357								
132			Formwork	SF	4950	5%	5198	\$ -	\$ -	0.090	\$ 45.00	\$ 4.05	\$ 21,049.88	\$ 21,049.88	
			W8-5-24S (17'-0" H) (50 LF) (8" Thick) CMU Wall w/ #5 @ 24" O.C												
133			(8"x8"x16") CMU Block	EA	925	5%	971	\$ 25.00	\$ 24,281.25				\$ -	\$ 24,281.25	
134			Grout Fill	CY	9.88	5%	10.37								
135			#5 Reinforcement (425 LF)	Lbs.	444	5%	466								
136			Formwork	SF	1700	5%	1785	\$ -	\$ -	0.090	\$ 45.00	\$ 4.05	\$ 7,229.25	\$ 7,229.25	
			W8-5-8S (8'-0" H) (5 LF) (8" Thick) CMU Wall w/ #5 @ 8" O.C												
137			(8"x8"x16") CMU Block	EA	48	5%	50	\$ 25.00	\$ 1,260.00				\$ -	\$ 1,260.00	
138			Grout Fill	CY	0.48	5%	0.50								
139			#5 Reinforcement (20 LF)	Lbs.	21	5%	22								
140			Formwork	SF	80	5%	84	\$ -	\$ -	0.090	\$ 45.00	\$ 4.05	\$ 340.20	\$ 340.20	
			W8-6-16S (17'-0" H) (80 LF) (8" Thick) CMU Wall w/ #6 @ 16" O.C												
141			(8"x8"x16") CMU Block	EA	1475	5%	1549	\$ 25.00	\$ 38,718.75				\$ -	\$ 38,718.75	
142			Grout Fill	CY	15.6	5%	16.38								
143			#5 Reinforcement (680 LF)	Lbs.	710	5%	746								
144			Formwork	SF	2720	5%	2856	\$ -	\$ -	0.090	\$ 45.00	\$ 4.05	\$ 11,566.80	\$ 11,566.80	
			CMU Bond Beam												
145			(8"x8") Bond Beam w/ (1) - #5 Continuous Reinforcement	LF	835	5%	877	\$ 7.50	\$ 6,575.63	0.200	\$ 48.00	\$ 9.60	\$ 8,416.80	\$ 14,992.43	
146			(8"x16") Bond Beam w/ (2) - #5 Continuous Reinforcement	LF	215	5%	226	\$ 7.50	\$ 1,693.13	0.200	\$ 48.00	\$ 9.60	\$ 2,167.20	\$ 3,860.33	
			CMU Lintel												
147			SL-1 (8"x16") CMU Lintel w/ (2) - #5 Top & Bottom Continuous Reinforcement & #3 Stirrups @ 8" O.C	LF	4	5%	4	\$ 7.50	\$ 31.50	0.200	\$ 48.00	\$ 9.60	\$ 40.32	\$ 71.82	
148			PCL-1 (8"x8") CMU Lintel w/ (2) - #5 Continuous Reinforcement	LF	95	5%	100	\$ 7.50	\$ 748.13	0.200	\$ 48.00	\$ 9.60	\$ 957.60	\$ 1,705.73	
149			PCL-2 (8"x16") CMU Lintel w/ (2) - #5 Top & Bottom Continuous Reinforcement & #3 Stirrups @ 8" O.C	LF	5	5%	5	\$ 7.50	\$ 39.38	0.200	\$ 48.00	\$ 9.60	\$ 50.40	\$ 89.78	
			SUBTOTAL (Masonry)					\$ 275,000.25					\$ 95,040.86		\$ 370,041.11
		7000	THERMAL AND MOISTURE PROTECTION												
			Foundation												
150	S-201 S-202 S-203		Vapor Barrier	SF	11670	5%	12254	\$ 0.54	\$ 6,616.89	0.001	\$ 45.00	\$ 0.05	\$ 551.41	\$ 7,168.30	
151			Control Joint @ Concrete Slab	LF	415	5%	436	\$ 1.02	\$ 444.47	0.020	\$ 45.00	\$ 0.90	\$ 392.18	\$ 836.64	
152			(1/2") Premolded Joint Filler & Selant	LF	45	5%	47	\$ 1.00	\$ 47.25	0.020	\$ 45.00	\$ 0.90	\$ 42.53	\$ 89.78	
			SUBTOTAL (Masonry)					\$ 7,108.61					\$ 986.11		\$ 8,094.71

PROJECTED COST														\$	621,256
CONTINGENCY 3%														\$	18,638
INSURANCE 5%														\$	31,063
OVERHEAD AND PROFIT 15%														\$	93,188
Tax 6.00%														\$	24,767
SUGGESTED BID														\$788,912.02	

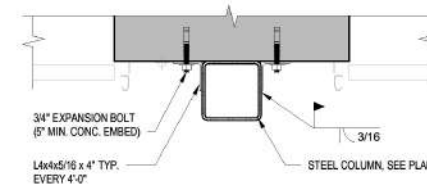
Note:

1.Please verify the equipment's and their prices with owner.

2.For tree plantation average prices are use. Please verify according to tree type.



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



COLUMN CONNECTION DETAIL
SCALE: 1" = 1'-0"

FOUNDATION PLAN NOTES:

- SEE SHEETS S-301 - S-302 FOR TYPICAL FOUNDATION PLAN DETAILS.
- SEE SHEET S-101 FOR GENERAL STRUCTURAL NOTES.
- SEE SCHEDULE ON THIS SHEET FOR FOOTING SIZE AND REINFORCING.
- TOP OF FOOTING ELEVATION = 1'-4" UNLESS NOTED OTHERWISE.
- REFER TO ARCHITECTURAL DRAWINGS FOR PLAN DIMENSIONS NOT SHOWN.
- TYPICAL ADDITIONAL REQUIRED WALL REINFORCING:
A. PROVIDE (1) ADDITIONAL VERTICAL BAR MATCHING WALL REINFORCING IN FIRST (2) CELLS EACH SIDE OF ALL WALL OPENINGS AND FIRST CELL ADJACENT TO ALL CORNERS AND INTERSECTIONS.

2F4.0	1.0
2F5.0	4.0
2F2.5	3.0
2WF3.0	143.8 FT
2WF2.5	362.8 FT
2WF2.0	26.9 FT
(8" Thick) CMU Wall (5'-0" H)	133.9 FT
(8" Thick) CMU Wall (8" H)	53.9 FT
W8-5-24S (15'-4" H)	83.5 FT
C8-5-18S (5'-3" H)	83.6 FT
W8-5-24S (10'-8" H) (10*8 SF)	66.9 FT
C8-5-18S (8'-3" H)	66.9 FT
C8-5-18S (4'-0" H)	24.9 FT
CMU Wall (2'-8" H)	24.9 FT
C8-5-18S (10'-0" H)	27.4 FT
W8-5-24S (15'-0" H)	164.5 FT
W8-6-16S (17'-8" H)	61.0 FT
W8-6-16S (17'-0" H)	22.4 FT
W8-5-24S (15') (72*8)	166.0 FT
C8-5-18S (5'-8" H)	54.1 FT
Linear x8	71.6 FT
C8-5-18S (4'-10" H)	97.2 FT

TARPON SPRINGS FIRE STATION #70

CITY OF TARPON SPRINGS
PROJECT ADDRESS TBD

Project number
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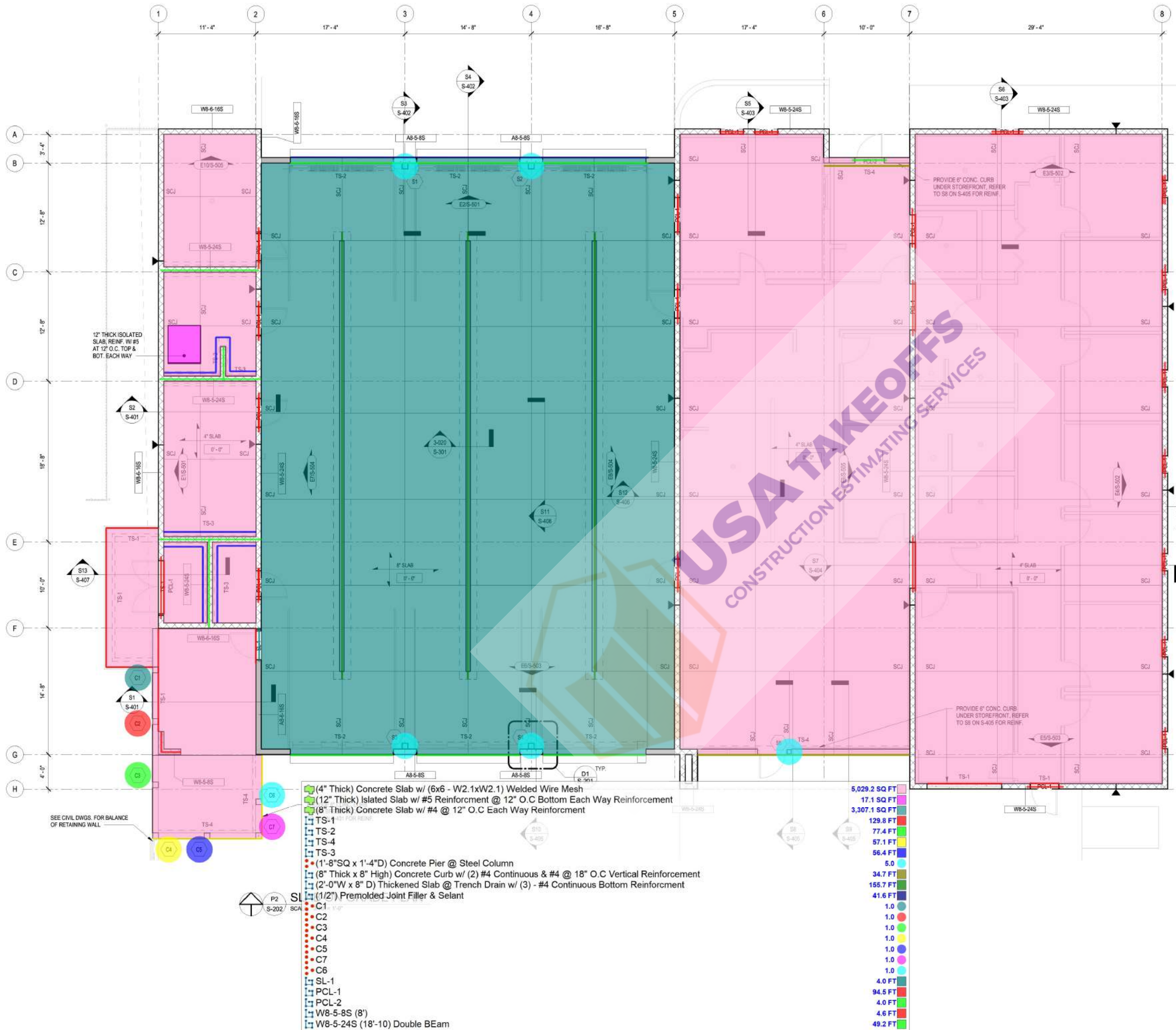
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FOUNDATION PLAN

S-201

BECKLEY
Engineering Consultants
16150 AVIATION LOOP #15789, BROOKSVILLE, FL 34604
(352) 316-7000 | WWW.BECKLEYENGINEERING.COM | P/N: 1063415
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Wannemacher Jensen Architects, Inc.
1000 N. US HWY 90, SUITE 301
TARAPON SPRINGS, FL 34689
(813) 337-0132
www.wannemacherjensen.com



- SLAB ON GRADE PLAN NOTES:**
- CONCRETE SLAB ON GRADE TO BE 4" THICK OVER VAPOR BARRIER ON COMPACTED SUB-BASE AS SPECIFIED IN FOUNDATION NOTES ON S-101 REINFORCED WITH 6x6 W2.1xW2.1 W.W.F. (FLAT SHEETS) CENTERED IN SLAB. SUPPORT WELDED WIRE FABRIC WITH 2" CHAIRS AND SAND PLATES AT 3'-0" O.C. BOTH WAYS. USE OF CONCRETE BRICK IS NOT ALLOWED.
 - CONCRETE SLAB ON GRADE TO BE 8" THICK OVER VAPOR BARRIER ON COMPACTED SUB-BASE AS SPECIFIED IN FOUNDATION NOTES ON S-101 REINFORCED WITH #4 AT 12" O.C. EACH WAY TOP AND BOTTOM. SUPPORT REINFORCING WITH CHAIRS AND SAND PLATES AT 3'-0" O.C. BOTH WAYS. USE OF CONCRETE BRICK IS NOT ALLOWED.
 - PROVIDE VAPOR BARRIER WHICH CONFORMS TO ASTM E1745, CLASS A. THE MEMBRANE SHALL HAVE A WATER-VAPOR TRANSMISSION RATE NO GREATER THAN 0.008 GR. FT²/HR. WHEN TESTED IN ACCORDANCE WITH ASTM E96. THE VAPOR BARRIER SHALL BE PLACED OVER PREPARED BASE MATERIAL BELOW SLABS ON GRADE. THE VAPOR BARRIER SHOULD BE PLACED DIRECTLY BELOW THE SLAB ON GRADE. VAPOR BARRIER SHALL BE NO LESS THAN 15 MIL THICK. NO PENETRATION OF THE VAPOR BARRIER IS PERMITTED EXCEPT FOR REINFORCING STEEL AND PERMANENT UTILITIES.
 - TOP OF SLAB ELEVATION SHOWN THUS: XX'-XX" ON PLAN EQUALS REFERENCE EL., SEE CIVIL DRAWINGS FOR ACTUAL ELEVATION.
 - TYPICAL ADDITIONAL REQUIRED WALL REINFORCING:
 - PROVIDE (1) ADDITIONAL VERTICAL BAR MATCHING WALL REINFORCING IN ALL (2) CELLS EACH SIDE OF ALL WALL OPENINGS AND FIRST CELL ADJACENT TO ALL CORNERS AND INTERSECTIONS.
- WALL SCHEDULE**
- | TYPE | PATTERN | DESCRIPTION |
|----------|---------|--|
| AB-5-8S | | 8" ATLAS BRICK WALL REINF. W/ #5 AT 8" O.C. |
| AB-5-24S | | 8" ATLAS BRICK WALL REINF. W/ #5 AT 24" O.C. |
| AB-6-16S | | 8" ATLAS BRICK WALL REINF. W/ #5 AT 16" O.C. |
| CB-5-18S | | 8" CONCRETE WALL REINF. W/ #5 AT 18" O.C. EACH WAY |
| WB-5-8S | | 8" CMU WALL REINF. W/ #5 AT 8" O.C. |
| WB-5-24S | | 8" CMU WALL REINF. W/ #5 AT 24" O.C. |
| WB-6-16S | | 8" CMU WALL REINF. W/ #5 AT 16" O.C. |
- THICKENED SLAB SCHEDULE**
- | MARK | SIZE | DEPTH | TOP & BOTT. REINF. CONT. | TOP & BOTT. REINF. TRANSV. | REMARKS |
|------|---------------|-------|--------------------------|----------------------------|---------------------------------|
| TS-1 | 0'-0" x CONT. | 0'-0" | (1)-#5 TOP | N/A | |
| TS-2 | 2'-0" x CONT. | 2'-0" | - | - | SEE DETAIL 3-022 ON SHEET S-301 |
| TS-3 | 1'-0" x CONT. | 0'-0" | (2)-#5 BOT | N/A | |
| TS-4 | 1'-0" x CONT. | 1'-0" | (1)-#5 TOP
(2)-#5 BOT | N/A | |

TARPON SPRINGS FIRE STATION #70

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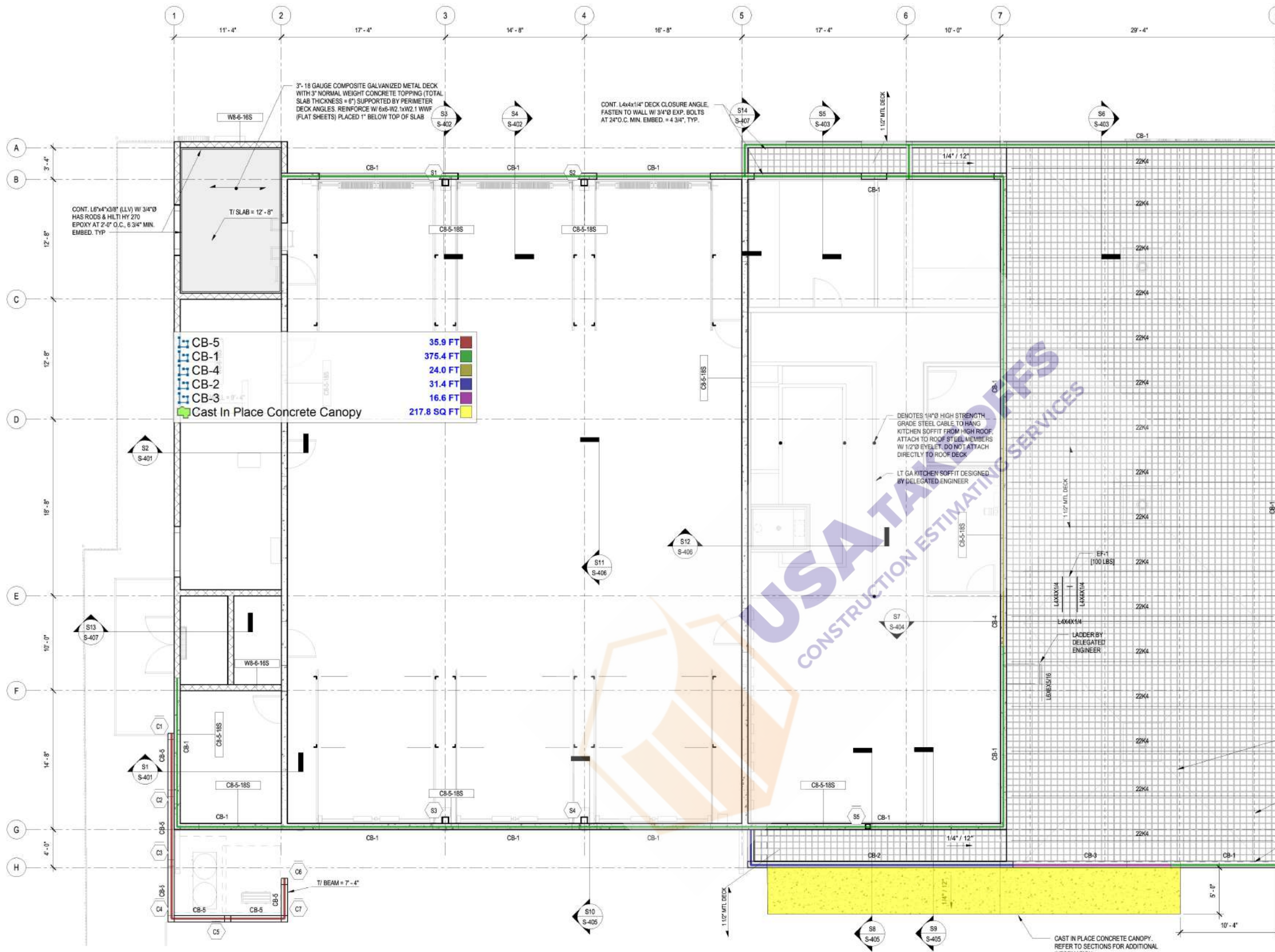
MILESTONE DATE
PERMIT SET 02/15/2024

BECKLEY
Engineering Consultants
16150 AVIATION LOOP #15789, BROOKSVILLE, FL 34604
(352) 316-7000 | WWW.BECKLEYENGINEERING.COM | PIN: 1063415
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SLAB ON GRADE PLAN

S-202

Wannemacher Jensen Architects, Inc.
132 Mirror Lake Drive N. Unit 3014
St. Petersburg, Florida 33701-3214
(727) 822-5566
www.wjarc.com
AF94244
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LOW ROOF FRAMING PLAN
P3 S-203 SCALE: 3/16" = 1'-0"

- ROOF FRAMING NOTES:**
1. ROOF FRAMING SHALL BE 1 1/2" 20 GAUGE TYPE "B" (WIDE RIB) METAL DECK SPANNING OVER OPEN WEB STEEL JOIST SPACED AT 5'-0" O.C. (MAX.).
 2. ROOF FRAMING SHALL BE 4" 16 GAUGE TORIS 4A METAL DECK SPANNING OVER HSS STEEL BEAMS SPACED AT 17'-0" O.C. (MAX.) 2-SPAN MINIMUM.
 3. DIRECTION OF METAL DECK SPAN SHOWN THUS → ON PLAN.
 4. SEE SHEETS S-301 - S-302 FOR TYPICAL DETAILS.
 5. () DENOTES UNDERSIDE OF METAL DECK (U.M.D.) ELEVATION.
 6. JOIST MANUFACTURER TO DESIGN JOIST FOR THE UPLIFT FORCE SHOWN ON THE LOADING SCHEDULE AND PROVIDE CERTIFICATION THAT CHORD MEMBERS HAVE BEEN INVESTIGATED FOR REVERSE STRESSES DUE TO ALL UPLIFT FORCES. ADDITIONAL BRIDGING SHALL BE PROVIDED AT THE FIRST INTERIOR BOTTOM CHORD PANEL POINT OF ALL JOISTS SUBJECT TO NET UPLIFT PER STEEL JOIST INSTITUTE.
 7. FRAME ALL JOIST BOTTOM CHORD MEMBERS TO BEAM BOTTOM FLANGES. INSTALLATION TO BE DONE AFTER ALL DEAD LOADS ARE APPLIED.
 8. SEE ARCHITECTURAL DRAWINGS FOR PLAN DIMENSIONS NOT SHOWN.
 9. COLUMN DESIGNATIONS SHOWN THUS ○ ON PLAN. SEE SHEET S-601 FOR COLUMN SCHEDULE.

CONCRETE BEAM SCHEDULE					
MARK	BEAM WIDTH	BEAM DEPTH	CONT. REINFORCING	TIE REINFORCING	REMARKS
CB-1	7'5"	24"	(2) #5 TAB CONT.	#3 @ 8" O.C.	
CB-2	7'5"	47"	(2) #5 TAB CONT.	#3 @ 8" O.C.	#5 AT 12" O.C. EACH FACE
CB-3	7'5"	32"	(2) #5 TAB CONT.	#3 @ 8" O.C.	#5 AT MIDDEPTH EACH FACE
CB-4	7'5"	16"	(2) #5 TAB CONT.	#3 @ 8" O.C.	
CB-5	8"	8"	(2) #5 TAB CONT.	#3 @ 8" O.C.	
CB-6	7'5"	16"	(2) #5 TAB CONT.	#3 @ 8" O.C.	

DECK LEGEND	
HATCH	DECK TYPE
	1 1/2" 20 GAUGE TYPE "B" (WIDE RIB) METAL DECK
	4" 16 GAUGE TORIS 4A METAL DECK
	3" 20 GAUGE COMPOSITE GALVANIZED METAL DECK WITH 3" NORMAL WEIGHT CONCRETE TOPPING (TOTAL SLAB THICKNESS = 6")

- CONT. HORIZ. BRIDGING PER JOIST MANUF. SPECS, TYP.
- CONT. HORIZ. BRIDGING AT FIRST BOTTOM CHORD PANEL POINT PER JOIST MANUF. SPECS, TYP.
- CONT. L4x4x1/4" DECK CLOSURE ANGLE, FASTEN TO WALL W/ 3/4" EXP. BOLTS AT 24" O.C. MIN. EMBED = 4 3/4", TYP.

CAST IN PLACE CONCRETE CANOPY. REFER TO SECTIONS FOR ADDITIONAL INFORMATION

TARPON SPRINGS FIRE STATION #70

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LOW ROOF FRAMING PLAN

S-203

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St. Petersburg, Florida 33701-3514
(727) 822-5566
www.wjarc.com
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