



VERACITY
ESTIMATING
Construction Estimation Services

Construction Estimation Services

Building Data Summary	
Project ID:	*****
Location:	*****
Scope of Work:	GC - New construction and renovation
Date:	25/09/2024



Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
		Building Structure												
		Post												
64		(6"x6") Post (8'-0" H,12 EA)	LF	96	5%	101	\$ 4.65	\$ 468.72	0.024	\$ 60.00	\$ 1.44	\$ 145.15	\$ 613.87	
65		(8"x8") Post (8'-6" H,5 EA)	LF	40	5%	42	\$ 6.65	\$ 279.30	0.024	\$ 60.00	\$ 1.44	\$ 60.48	\$ 339.78	
		Beam/ Header												
66		2"x8" Hip Beam	LF	220	5%	231	\$ 2.30	\$ 531.30	0.022	\$ 60.00	\$ 1.32	\$ 304.92	\$ 836.22	
67		2"x8" Ridge Beam	LF	27	5%	28	\$ 2.30	\$ 65.21	0.022	\$ 60.00	\$ 1.32	\$ 37.42	\$ 102.63	
68		2"x8" Valley Beam	LF	50	5%	53	\$ 2.30	\$ 120.75	0.022	\$ 60.00	\$ 1.32	\$ 69.30	\$ 190.05	
69		4"x6" Beam	LF	57	5%	60	\$ 4.65	\$ 278.30	0.024	\$ 60.00	\$ 1.44	\$ 86.18	\$ 364.49	
70		4"x6" Header	LF	53	5%	56	\$ 4.65	\$ 258.77	0.024	\$ 60.00	\$ 1.44	\$ 80.14	\$ 338.91	
71		6"x6" Beam/ Header	LF	105	5%	110	\$ 6.25	\$ 689.06	0.024	\$ 60.00	\$ 1.44	\$ 158.76	\$ 847.82	
72		6"x8" Beam/ Header	LF	76	5%	80	\$ 6.25	\$ 498.75	0.024	\$ 60.00	\$ 1.44	\$ 114.91	\$ 613.66	
		Blocking												
73		(2"x6") Blocking W/ LPT4 Clip @ 16" O.C	LF	344	5%	361	\$ 4.65	\$ 1,679.58	0.024	\$ 60.00	\$ 1.44	\$ 520.13	\$ 2,199.71	
		Rafter												
74	A101-A102	2"x6" Roof Rafter @ 16"O.C - 2474 SF	LF	1861	5%	1954	\$ 1.70	\$ 3,322.15	0.015	\$ 60.00	\$ 0.90	\$ 1,758.79	\$ 5,080.94	
		Sheathing												
75		5/8" Plywood Sheathing	SF	2474	5%	2598	\$ 1.08	\$ 2,805.52	0.020	\$ 60.00	\$ 1.20	\$ 3,117.24	\$ 5,922.76	
		Wood Screen												
76		Painted Treated Wood Angle Screened	SF	177	5%	186	\$ 2.30	\$ 427.46	0.020	\$ 60.00	\$ 1.20	\$ 223.02	\$ 650.48	
		Joist												
77		2"x6" Rim Joist W/ A35 Clip @ 36" O.C (Assumed)	LF	389	5%	408	\$ 1.70	\$ 694.37	0.015	\$ 60.00	\$ 0.90	\$ 367.61	\$ 1,061.97	
78		2"x6" Pergola Joist @ 8"O.C - 161 SF	LF	122	5%	128	\$ 1.70	\$ 217.86	0.015	\$ 60.00	\$ 0.90	\$ 115.34	\$ 333.20	
		Stairs												
79		(3'-0" W) Stair Step 2 EA (2 Tread 9"W) (3 Riser 7"H)	LOC	1	5%	1	\$ 660.20	\$ 693.21	3.850	\$ 60.00	\$ 231.00	\$ 242.55	\$ 935.76	
80		(3'-0" W) Stair Step 1 EA (1 Tread 9"W) (2 Riser 7"H)	LOC	1	5%	1	\$ 660.20	\$ 693.21	3.850	\$ 60.00	\$ 231.00	\$ 242.55	\$ 935.76	
		Connection												
81		Pergola Joist Hurricane Clip	EA	60	0%	60	\$ 8.35	\$ 501.00	0.085	\$ 60.00	\$ 5.10	\$ 306.00	\$ 807.00	
82		Rafter Tie Down	EA	201	0%	201	\$ 5.20	\$ 1,045.20	0.025	\$ 60.00	\$ 1.50	\$ 301.50	\$ 1,346.70	
		Garage Structure												
		Beam/ Header												
83		6"x6" Beam/ Header	LF	77	5%	81	\$ 6.25	\$ 505.31	0.024	\$ 60.00	\$ 1.44	\$ 116.42	\$ 621.74	
84		2"x8" Ridge Beam	LF	40	5%	42	\$ 2.30	\$ 96.60	0.022	\$ 60.00	\$ 1.32	\$ 55.44	\$ 152.04	
85		2"x8" Hip Beam	LF	132	5%	139	\$ 2.30	\$ 318.78	0.022	\$ 60.00	\$ 1.32	\$ 182.95	\$ 501.73	
86		2"x8" Valley Beam	LF	247	5%	259	\$ 2.30	\$ 596.51	0.022	\$ 60.00	\$ 1.32	\$ 342.34	\$ 938.85	
		Rafter												
87		2"x6" Roof Rafter @ 16"O.C - 1223 SF	SF	1223	5%	1284	\$ 1.70	\$ 2,183.06	0.015	\$ 60.00	\$ 0.90	\$ 1,155.74	\$ 3,338.79	
		Sheathing												
88		5/8" Plywood Sheathing	SF	1223	5%	1284	\$ 1.08	\$ 1,386.88	0.020	\$ 60.00	\$ 1.20	\$ 1,540.98	\$ 2,927.86	
		Stair												
89		(2'-6" W) Wooden Stair (11 EA Tread 9" W) (12 EA Riser 7"H)	LOC	1	0%	1	\$ 1,275.20	\$ 1,275.20	5.850	\$ 60.00	\$ 351.00	\$ 351.00	\$ 1,626.20	
		Blocking												
90		(2"x6") Blocking W/ LPT4 Clip @ 16" O.C	LF	168	5%	176	\$ 4.65	\$ 820.26	0.024	\$ 60.00	\$ 1.44	\$ 254.02	\$ 1,074.28	
		Connection												
91		Rafter Tie Down	EA	113	0%	113	\$ 5.20	\$ 587.60	0.025	\$ 60.00	\$ 1.50	\$ 169.50	\$ 757.10	
Subtotal (Wood & Plastic Composites)								\$ 70,193				\$ 17,904		\$ 88,097
DIVISION 07- THERMAL & MOISTURE PROTECTION														
		Roofing												
		Building												
92		Standing Seam Copper Roof	SF	3389	5%	3558	\$ 4.85	\$ 17,258.48	0.032	\$ 60.00	\$ 1.92	\$ 6,832.22	\$ 24,090.71	
93		15# Felt Paper	SF	3389	5%	3558	\$ 0.32	\$ 1,138.70	0.012	\$ 60.00	\$ 0.72	\$ 2,562.08	\$ 3,700.79	
94		Pre-Finished Metal Gutter & Drip Edge	LF	341	5%	358	\$ 4.25	\$ 1,521.71	0.032	\$ 60.00	\$ 1.92	\$ 687.46	\$ 2,209.17	
95		(6" W) Whether Resistance Soffit	SF	170	5%	179	\$ 1.85	\$ 330.23	0.025	\$ 60.00	\$ 1.50	\$ 267.75	\$ 597.98	
96		Painted Wood Fascia	LF	341	5%	358	\$ 2.88	\$ 1,031.18	0.025	\$ 60.00	\$ 1.50	\$ 537.08	\$ 1,568.26	
97		Downspout 18 EA	LF	360	5%	378	\$ 4.25	\$ 1,606.50	0.550	\$ 60.00	\$ 33.00	\$ 12,474.00	\$ 14,080.50	
		Flashing												
98		Ridge Standing Seam Copper Cover	LF	27	5%	28	\$ 2.65	\$ 75.13	0.025	\$ 60.00	\$ 1.50	\$ 42.53	\$ 117.65	
99		Hip Standing Seam Copper Cover	LF	234	5%	246	\$ 2.65	\$ 651.11	0.025	\$ 60.00	\$ 1.50	\$ 368.55	\$ 1,019.66	
100		Valley Standing Seam Copper Cover	LF	68	5%	71	\$ 2.65	\$ 189.21	0.025	\$ 60.00	\$ 1.50	\$ 107.10	\$ 296.31	
101		Door Flashing	LF	638	5%	670	\$ 2.65	\$ 1,775.24	0.025	\$ 60.00	\$ 1.50	\$ 1,004.85	\$ 2,780.09	
102		Window Flashing	LF	1342	5%	1409	\$ 2.65	\$ 3,734.12	0.025	\$ 60.00	\$ 1.50	\$ 2,113.65	\$ 5,847.77	
		Insulation												
103		R-35 Batt Insulation @ Roof (Assumed)	SF	1770	5%	1859	\$ 0.92	\$ 1,709.82	0.012	\$ 60.00	\$ 0.72	\$ 1,338.12	\$ 3,047.94	
		Waterproofing												
104	A102	10 MIL Vapor Barrier	SF	3079	5%	3233	\$ 0.32	\$ 1,034.54	0.012	\$ 60.00	\$ 0.72	\$ 2,327.72	\$ 3,362.27	
		Garage												
105		Standing Seam Copper Roof	SF	1213	5%	1274	\$ 4.85	\$ 6,177.20	0.032	\$ 60.00	\$ 1.92	\$ 2,445.41	\$ 8,622.61	
106		15# Felt Paper	SF	1213	5%	1274	\$ 0.32	\$ 407.57	0.012	\$ 60.00	\$ 0.72	\$ 917.03	\$ 1,324.60	
107		Pre-Finished Metal Gutter & Drip Edge	LF	184	5%	193	\$ 4.25	\$ 821.10	0.032	\$ 60.00	\$ 1.92	\$ 370.94	\$ 1,192.04	
108		Painted Wood Fascia	LF	184	5%	193	\$ 1.85	\$ 357.42	0.025	\$ 60.00	\$ 1.50	\$ 289.80	\$ 647.22	
109		(6" W) Whether Resistance Soffit	SF	92	5%	97	\$ 2.88	\$ 278.21	0.025	\$ 60.00	\$ 1.50	\$ 144.90	\$ 423.11	
110		Downspout 12 EA	LF	180	5%	189	\$ 4.25	\$ 803.25	0.550	\$ 60.00	\$ 33.00	\$ 6,237.00	\$ 7,040.25	
		Flashing												
111		Ridge Standing Seam Copper Cover	LF	40	5%	42	\$ 2.65	\$ 111.30	0.025	\$ 60.00	\$ 1.50	\$ 63.00	\$ 174.30	
112		Hip Standing Seam Copper Cover	LF	132	5%	139	\$ 2.65	\$ 367.29	0.025	\$ 60.00	\$ 1.50	\$ 207.90	\$ 575.19	
113		Valley Standing Seam Copper Cover	LF	64	5%	67	\$ 2.65	\$ 178.08	0.025	\$ 60.00	\$ 1.50	\$ 100.80	\$ 278.88	
114		Door Flashing	LF	168	5%	176	\$ 2.65	\$ 467.46	0.025	\$ 60.00	\$ 1.50	\$ 264.60	\$ 732.06	
115		Window Flashing	LF	124	5%	130	\$ 2.65	\$ 345.03	0.025	\$ 60.00	\$ 1.50	\$ 195.30	\$ 540.33	
		Insulation												
116		R-35 Batt Insulation @ Roof (Assumed)	SF	1223	5%	1284	\$ 0.92	\$ 1,181.42	0.012	\$ 60.00	\$ 0.72	\$ 924.59	\$ 2,106.01	
		Waterproofing												
117		10 MIL Vapor Barrier	SF	1084	5%	1138	\$ 0.32	\$ 364.22	0.012	\$ 60.00	\$ 0.72	\$ 819.50	\$ 1,183.73	
Subtotal (Thermal & Moisture Protection)								\$ 43,916				\$ 43,644		\$ 87,559
DIVISION 08- OPENINGS														
		First Floor												
		Doors												
118		(3'-6"x7'-0") Wooden Single Leaf Door W/ Frame	EA	1	0%	1	\$ 785.62	\$ 785.62	2.200	\$ 60.00	\$ 132.00	\$ 132.00	\$ 917.62	
119		(3'-0"x7'-0") Wooden Single Leaf Door W/ Frame	EA	10	0%	10	\$ 785.62	\$ 7,856.20	2.200	\$ 60.00	\$ 132.00	\$ 1,320.00	\$ 9,176.20	
120		(2'-3"x6'-8") Wooden Single Leaf Door W/ Frame	EA	1	0%	1	\$ 450.00	\$ 450.00	2.250	\$ 60.00	\$ 135.00	\$ 135.00	\$ 585.00	
121		(3'-0"x6'-8") Wooden Single Leaf Sliding Door W/ Frame	EA	9	0%	9	\$ 1,025.32	\$ 9,227.88	2.750	\$ 60.00	\$ 165.00	\$ 1,485.00	\$ 10,712.88	
122		(2'-3"x6'-8") Wooden Single Leaf Sliding Door W/ Frame	EA	3	0%	3	\$ 1,025.32	\$ 3,075.96	2.750	\$ 60.00	\$ 165.00	\$ 495.00	\$ 3,570.96	
123		(2'-6"x6'-8") Wooden Single Leaf Sliding Door W/ Frame	EA	4	0%	4	\$ 1,025.32	\$ 4,101.28	2.750	\$ 60.00	\$ 165.00	\$ 660.00	\$ 4,761.28	
124		(3'-0"x7'-0") Wooden Double Leaf Door W/ Frame	EA	2	0%	2	\$ 785.62	\$ 1,571.24	2.200	\$ 60.00	\$ 132.00	\$ 264.00	\$ 1,835.24	
125		(2'-3"x6'-8") Wooden Single Leaf Sliding Door W/ Frame	EA	3	0%	3	\$ 450.00	\$ 1,350.00	2.250	\$ 60.00	\$ 135.00	\$ 405.00	\$ 1,755.00	
126		(2'-6"x6'-8") Wooden Single Leaf Sliding Door W/ Frame	EA	4	0%	4	\$ 450.00	\$ 1,800.00	2.250	\$ 60.00	\$ 135.00	\$ 540.00	\$ 2,340.00	
127		(3'-0"x7'-0") Wooden Double Leaf Door W/ Frame	EA	2	0%	2	\$ 785.62	\$ 1,571.24	2.200	\$ 60.00	\$ 132.00	\$ 264.00	\$ 1,835.24	
		Hardware												



**VERACITY
ESTIMATING**
Construction Estimation Services

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
128	A100-A102	Door Hardware	EA	39	0%	39	\$ 420.00	\$ 16,380.00	1.450	\$ 60.00	\$ 87.00	\$ 3,393.00	\$ 19,773.00	
		Windows												
129		(14'-9"x8'-0") House Front Window W/ Frame	EA	1	0%	1	\$ 1,525.32	\$ 1,525.32	2.750	\$ 60.00	\$ 165.00	\$ 165.00	\$ 1,690.32	
130		(1'-6"x5'-0") Double Hung Window W/ Frame	EA	8	0%	8	\$ 350.00	\$ 2,800.00	1.500	\$ 60.00	\$ 90.00	\$ 720.00	\$ 3,520.00	
131		(2'-6"x5'-0") Double Hung Window W/ Frame	EA	2	0%	2	\$ 560.00	\$ 1,120.00	2.000	\$ 60.00	\$ 120.00	\$ 240.00	\$ 1,360.00	
132		(2'-9"x4'-0") Double Hung Window W/ Frame	EA	5	0%	5	\$ 350.00	\$ 1,750.00	1.500	\$ 60.00	\$ 90.00	\$ 450.00	\$ 2,200.00	
133		(2'-6"x4'-0") Double Hung Window W/ Frame	EA	7	0%	7	\$ 350.00	\$ 2,450.00	1.500	\$ 60.00	\$ 90.00	\$ 630.00	\$ 3,080.00	
134		(3'-0"x4'-6") Double Hung Window W/ Frame	EA	5	0%	5	\$ 560.00	\$ 2,800.00	2.000	\$ 60.00	\$ 120.00	\$ 600.00	\$ 3,400.00	
135		(2'-0"x4'-6") Double Hung Window W/ Frame	EA	5	0%	5	\$ 350.00	\$ 1,750.00	1.500	\$ 60.00	\$ 90.00	\$ 450.00	\$ 2,200.00	
136		(2'-9"x5'-9") Double Hung Window W/ Frame	EA	4	0%	4	\$ 560.00	\$ 2,240.00	2.000	\$ 60.00	\$ 120.00	\$ 480.00	\$ 2,720.00	
137		(3'-0"x5'-6") Double Hung Window W/ Frame	EA	6	0%	6	\$ 668.00	\$ 4,008.00	2.320	\$ 60.00	\$ 139.20	\$ 835.20	\$ 4,843.20	
138		(2'-9"x3'-0") Fixed Window W/ Frame	EA	2	0%	2	\$ 350.00	\$ 700.00	1.500	\$ 60.00	\$ 90.00	\$ 180.00	\$ 880.00	
		Garage												
		Doors												
139		(2'-3"x6'-8") Wooden Single Leaf Sliding Door W/ Frame	EA	1	0%	1	\$ 450.00	\$ 450.00	2.250	\$ 60.00	\$ 135.00	\$ 135.00	\$ 585.00	
140		(2'-6"x6'-8") Wooden Single Leaf Sliding Door W/ Frame	EA	2	0%	2	\$ 450.00	\$ 900.00	2.250	\$ 60.00	\$ 135.00	\$ 270.00	\$ 1,170.00	
141	(3'-0"x7'-0") Wooden Single Leaf Door W/ Frame	EA	4	0%	4	\$ 785.62	\$ 3,142.48	2.200	\$ 60.00	\$ 132.00	\$ 528.00	\$ 3,670.48		
142	(8'-0"x9'-0") Double Leaf Garage Door W/ Frame	EA	1	0%	1	\$ 1,025.32	\$ 1,025.32	2.750	\$ 60.00	\$ 165.00	\$ 165.00	\$ 1,190.32		
143	(3'-0"x6'-8") Wooden Single Leaf Door W/ Frame	EA	2	0%	2	\$ 785.62	\$ 1,571.24	2.200	\$ 60.00	\$ 132.00	\$ 264.00	\$ 1,835.24		
	Hardware													
144	Door Hardware	EA	10	0%	10	\$ 420.00	\$ 4,200.00	1.450	\$ 60.00	\$ 87.00	\$ 870.00	\$ 5,070.00		
	Windows													
145	(3'-0"x4'-6") Double Hung Window W/ Frame	EA	6	0%	6	\$ 560.00	\$ 3,360.00	2.000	\$ 60.00	\$ 120.00	\$ 720.00	\$ 4,080.00		
146	(3'-0"x5'-6") Double Hung Window W/ Frame	EA	2	0%	2	\$ 668.00	\$ 1,336.00	2.320	\$ 60.00	\$ 139.20	\$ 278.40	\$ 1,614.40		
		Subtotal (Openings)					\$ 85,298				\$ 17,074		\$ 102,371	

[illegible]

Building Data Summary	
Project ID:	*****
Location:	*****
Scope of Work:	GC - New construction and renovation
Date:	25/09/2024



Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity with Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
201		Hard Wood Flooring	SF	1813	5%	1904	\$ 5.12	\$ 9,746.69	0.085	\$ 60.00	\$ 5.10	\$ 9,708.62	\$ 19,455.30	
202		Tile Flooring	SF	884	5%	928	\$ 4.58	\$ 4,251.16	0.092	\$ 60.00	\$ 5.52	\$ 5,123.66	\$ 9,374.82	
		Transition												
203		Threshold	LF	36	5%	38	\$ 0.70	\$ 26.46	0.018	\$ 60.00	\$ 1.08	\$ 40.82	\$ 67.28	
204		Floor Transition Strip	LF	34	5%	36	\$ 0.70	\$ 24.99	0.018	\$ 60.00	\$ 1.08	\$ 38.56	\$ 63.55	
		Wall Base												
205		Wood Base	LF	456	5%	479	\$ 1.85	\$ 885.78	0.022	\$ 60.00	\$ 1.32	\$ 632.02	\$ 1,517.80	
206		Tile Base	LF	211	5%	222	\$ 2.85	\$ 631.42	0.056	\$ 60.00	\$ 3.36	\$ 744.41	\$ 1,375.83	
		Garage												
207		Hard Wood Flooring	SF	409	5%	429	\$ 5.12	\$ 2,198.78	0.085	\$ 60.00	\$ 5.10	\$ 2,190.20	\$ 4,388.98	
208		Sealed Concrete Flooring	SF	498	5%	523	\$ 3.61	\$ 1,887.67	0.085	\$ 60.00	\$ 5.10	\$ 2,666.79	\$ 4,554.46	
209		Tile Flooring	SF	38	5%	40	\$ 4.58	\$ 182.74	0.092	\$ 60.00	\$ 5.52	\$ 220.25	\$ 402.99	
		Transition												
210		Threshold	LF	22	5%	23	\$ 0.70	\$ 16.17	0.018	\$ 60.00	\$ 1.08	\$ 24.95	\$ 41.12	
211		Floor Transition Strip	LF	3	5%	3	\$ 0.70	\$ 2.21	0.018	\$ 60.00	\$ 1.08	\$ 3.40	\$ 5.61	
		Wall Base												
212		Wood Base	LF	173	5%	182	\$ 1.85	\$ 336.05	0.022	\$ 60.00	\$ 1.32	\$ 239.78	\$ 575.83	
		Second Floor												
213		Patch & Repair Flooring	SF	105	5%	110	\$ 5.12	\$ 564.48	0.085	\$ 60.00	\$ 5.10	\$ 562.28	\$ 1,126.76	
		Wall Finishes												
		First Floor												
		Wall Tile												
214		Wall Tile	SF	482	5%	506	\$ 4.58	\$ 2,317.94	0.092	\$ 60.00	\$ 5.52	\$ 2,793.67	\$ 5,111.61	
		Wall Paint												
215		Wall Paint	SF	7951	5%	8349	\$ 0.82	\$ 6,845.81	0.020	\$ 60.00	\$ 1.20	\$ 10,018.26	\$ 16,864.07	
216		4" Back Splash Tile	SF	130	5%	137	\$ 4.58	\$ 625.17	0.092	\$ 60.00	\$ 5.52	\$ 753.48	\$ 1,378.65	
		Second Floor												
217		Wall Paint	LF	421	5%	442	\$ 0.82	\$ 362.48	0.020	\$ 60.00	\$ 1.20	\$ 530.46	\$ 892.94	
		Garage												
		Wall Tile												
218		Wall Tile	SF	165	5%	173	\$ 4.58	\$ 793.49	0.092	\$ 60.00	\$ 5.52	\$ 956.34	\$ 1,749.83	
		Wall Paint												
219		Wall Paint	SF	2194	5%	2304	\$ 0.82	\$ 1,889.03	0.020	\$ 60.00	\$ 1.20	\$ 2,764.44	\$ 4,653.47	
		Opening Finishes												
220		Paint @ Doors W/ Frame	SF	1964	5%	2062	\$ 0.48	\$ 989.86	0.015	\$ 60.00	\$ 0.90	\$ 1,855.98	\$ 2,845.84	
221		Paint @ Doors Trim	LF	1625	5%	1706	\$ 0.70	\$ 1,194.38	0.018	\$ 60.00	\$ 1.08	\$ 1,842.75	\$ 3,037.13	
222		Paint @ Windows Trim	LF	1591	5%	1671	\$ 0.70	\$ 1,169.39	0.018	\$ 60.00	\$ 1.08	\$ 1,804.19	\$ 2,973.58	
223		Paint @ Hand & Guard Rail	LF	43	5%	45	\$ 0.62	\$ 27.99	0.015	\$ 60.00	\$ 0.90	\$ 40.64	\$ 68.63	
		Exterior Finishes												
		Building												
224		Horizontal Siding	SF	1846	5%	1938	\$ 6.20	\$ 12,017.46	0.085	\$ 60.00	\$ 5.10	\$ 9,885.33	\$ 21,902.79	
225		Building Paper	SF	1846	5%	1938	\$ 0.15	\$ 290.75	0.015	\$ 60.00	\$ 0.90	\$ 1,744.47	\$ 2,035.22	
226		Brick Stone	SF	331	5%	348	\$ 6.20	\$ 2,154.81	0.085	\$ 60.00	\$ 5.10	\$ 1,772.51	\$ 3,927.32	
227		Siding Corner Guard	LF	215	5%	226	\$ 0.48	\$ 108.36	0.015	\$ 60.00	\$ 0.90	\$ 203.18	\$ 311.54	
		Garage												
228		Horizontal Siding	SF	1058	5%	1111	\$ 6.20	\$ 6,887.58	0.085	\$ 60.00	\$ 5.10	\$ 5,665.59	\$ 12,553.17	
229		Building Paper	SF	938	5%	985	\$ 0.15	\$ 147.74	0.015	\$ 60.00	\$ 0.90	\$ 886.41	\$ 1,034.15	
230		Siding Corner Guard	LF	125	5%	131	\$ 0.48	\$ 63.00	0.015	\$ 60.00	\$ 0.90	\$ 118.13	\$ 181.13	
		Subtotal (Finishes)						\$ 107,177				\$ 106,971		\$ 214,148
DIVISION 10- SPECIALTIES														
		Building												
231		(8'-9"x4'-0") Kitchen Island	EA	1	0%	1	\$ 4,585.00	\$ 4,585.00	8.650	\$ 60.00	\$ 519.00	\$ 519.00	\$ 5,104.00	
232		Solid Countertop	SF	118	5%	124	\$ 85.00	\$ 10,531.50	0.233	\$ 60.00	\$ 13.98	\$ 1,732.12	\$ 12,263.62	
233		(3'-9"x3'-6") Shower Compartment W/ Shower Head	EA	2	0%	2	\$ 1,499.00	\$ 2,998.00	4.860	\$ 60.00	\$ 291.60	\$ 583.20	\$ 3,581.20	
		Bath Accessories												
234		Mirror	EA	3	0%	3	\$ 185.65	\$ 556.95	0.852	\$ 60.00	\$ 51.12	\$ 153.36	\$ 710.31	
235		Coat Hook	EA	3	0%	3	\$ 12.25	\$ 36.75	0.152	\$ 60.00	\$ 9.12	\$ 27.36	\$ 64.11	
236		Bath Barrier	EA	3	0%	3	\$ 35.20	\$ 105.60	0.252	\$ 60.00	\$ 15.12	\$ 45.36	\$ 150.96	
237		Tissue Holder	EA	3	0%	3	\$ 58.65	\$ 175.95	0.452	\$ 60.00	\$ 27.12	\$ 81.36	\$ 257.31	
238		Soap Dispenser	EA	3	0%	3	\$ 35.62	\$ 106.86	0.320	\$ 60.00	\$ 19.20	\$ 57.60	\$ 164.46	
239		(36" H) Grab Bar	EA	3	0%	3	\$ 41.20	\$ 123.60	0.398	\$ 60.00	\$ 23.88	\$ 71.64	\$ 195.24	
240		(42" H) Grab Bar	EA	3	0%	3	\$ 48.68	\$ 146.04	0.352	\$ 60.00	\$ 21.12	\$ 63.36	\$ 209.40	
241		(18" H) Grab Bar	EA	3	0%	3	\$ 35.65	\$ 106.95	0.300	\$ 60.00	\$ 18.00	\$ 54.00	\$ 160.95	
		Garage Bath Accessories												
242		Mirror	EA	1	0%	1	\$ 185.65	\$ 185.65	0.852	\$ 60.00	\$ 51.12	\$ 51.12	\$ 236.77	
243		Coat Hook	EA	1	0%	1	\$ 12.25	\$ 12.25	0.152	\$ 60.00	\$ 9.12	\$ 9.12	\$ 21.37	
244		Bath Barrier	EA	1	0%	1	\$ 35.20	\$ 35.20	0.252	\$ 60.00	\$ 15.12	\$ 15.12	\$ 50.32	
245		Tissue Holder	EA	1	0%	1	\$ 58.65	\$ 58.65	0.452	\$ 60.00	\$ 27.12	\$ 27.12	\$ 85.77	
246		Soap Dispenser	EA	1	0%	1	\$ 35.62	\$ 35.62	0.320	\$ 60.00	\$ 19.20	\$ 19.20	\$ 54.82	
247		(36" H) Grab Bar	EA	1	0%	1	\$ 41.20	\$ 41.20	0.398	\$ 60.00	\$ 23.88	\$ 23.88	\$ 65.08	
248		(42" H) Grab Bar	EA	1	0%	1	\$ 48.68	\$ 48.68	0.352	\$ 60.00	\$ 21.12	\$ 21.12	\$ 69.80	
249		(18" H) Grab Bar	EA	1	0%	1	\$ 35.65	\$ 35.65	0.300	\$ 60.00	\$ 18.00	\$ 18.00	\$ 53.65	
		Subtotal (Specialties)						\$ 19,926				\$ 3,573		\$ 23,499
DIVISION 11- EQUIPMENT														
250		30" Microwave Oven	EA	1	0%	1	\$ 1,022.00	\$ 1,022.00	1.500	\$ 60.00	\$ 90.00	\$ 90.00	\$ 1,112.00	
251		36" Refrigerator	EA	1	0%	1	\$ 1,400.00	\$ 1,400.00	1.500	\$ 60.00	\$ 90.00	\$ 90.00	\$ 1,490.00	
252		Dish Washer	EA	1	0%	1	\$ 368.32	\$ 368.32	1.500	\$ 60.00	\$ 90.00	\$ 90.00	\$ 458.32	
253		Dryer	EA	1	0%	1	\$ 1,258.00	\$ 1,258.00	2.350	\$ 60.00	\$ 141.00	\$ 141.00	\$ 1,399.00	
254		Stove	EA	1	0%	1	\$ 1,488.00	\$ 1,488.00	1.980	\$ 60.00	\$ 118.80	\$ 118.80	\$ 1,606.80	
255		Washer	EA	1	0%	1	\$ 1,258.00	\$ 1,258.00	2.350	\$ 60.00	\$ 141.00	\$ 141.00	\$ 1,399.00	
		Subtotal (Equipment)						\$ 6,794				\$ 671		\$ 7,465
DIVISION 22- PLUMBING														
		Plumbing Fixture												
		Building												
256		Double Compartment Sink	EA	1	0%	1	\$ 1,059.10	\$ 1,059.10	2.500	\$ 60.00	\$ 150.00	\$ 150.00	\$ 1,209.10	
257		Lavatory W/ Faucet	EA	3	0%	3	\$ 750.25	\$ 2,250.75	2.980	\$ 60.00	\$ 178.80	\$ 536.40	\$ 2,787.15	
258		Urinal	EA	1	0%	1	\$ 636.00	\$ 636.00	3.250	\$ 60.00	\$ 195.00	\$ 195.00	\$ 831.00	
259		Water Closet	EA	3	0%	3	\$ 850.35	\$ 2,551.05	3.250	\$ 60.00	\$ 195.00	\$ 585.00	\$ 3,136.05	
260		Wet Bar Sink	EA	2	0%	2	\$ 536.00	\$ 1,072.00	1.300	\$ 60.00	\$ 78.00	\$ 156.00	\$ 1,228.00	
		Allowance												
261		Allowance For Supply & Sanitary Pipe Lines	SF	3078	5%	3232	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 6,043.65	
		Garage												
262		(2'-6"x5'-0") Bath Tub W/ Faucet	EA	1	0%	1	\$ 1,499.00	\$ 1,499.00	2.860	\$ 60.00	\$ 171.60	\$ 171.60	\$ 1,670.60	
263		Lavatory W/ Faucet	EA	1	0%	1	\$ 750.25	\$ 750.25	2.980	\$ 60.00	\$ 178.80	\$ 178.80	\$ 929.05	
264		Water Closet	EA	1	0%	1	\$ 850.35	\$ 850.35	3.250	\$ 60.00	\$ 195.00	\$ 195.00	\$ 1,045.35	
		Allowance												
265		Allowance For Supply & Sanitary Pipe Lines	SF	1084	5%	1138	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 2,128.43	
		Subtotal (Plumbing)						\$ 10,669				\$ 2,168		\$ 21,008

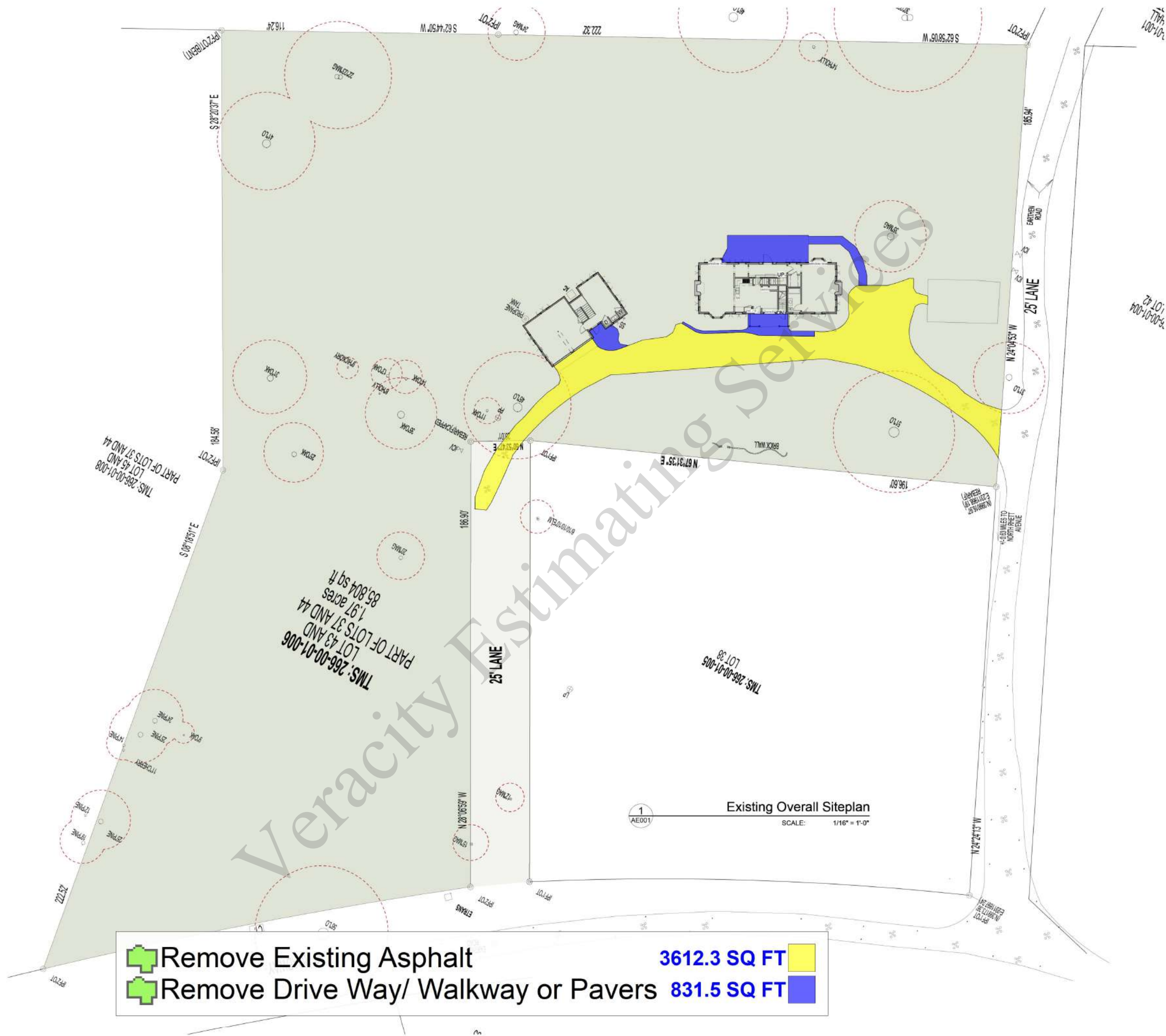


Construction Estimation Services

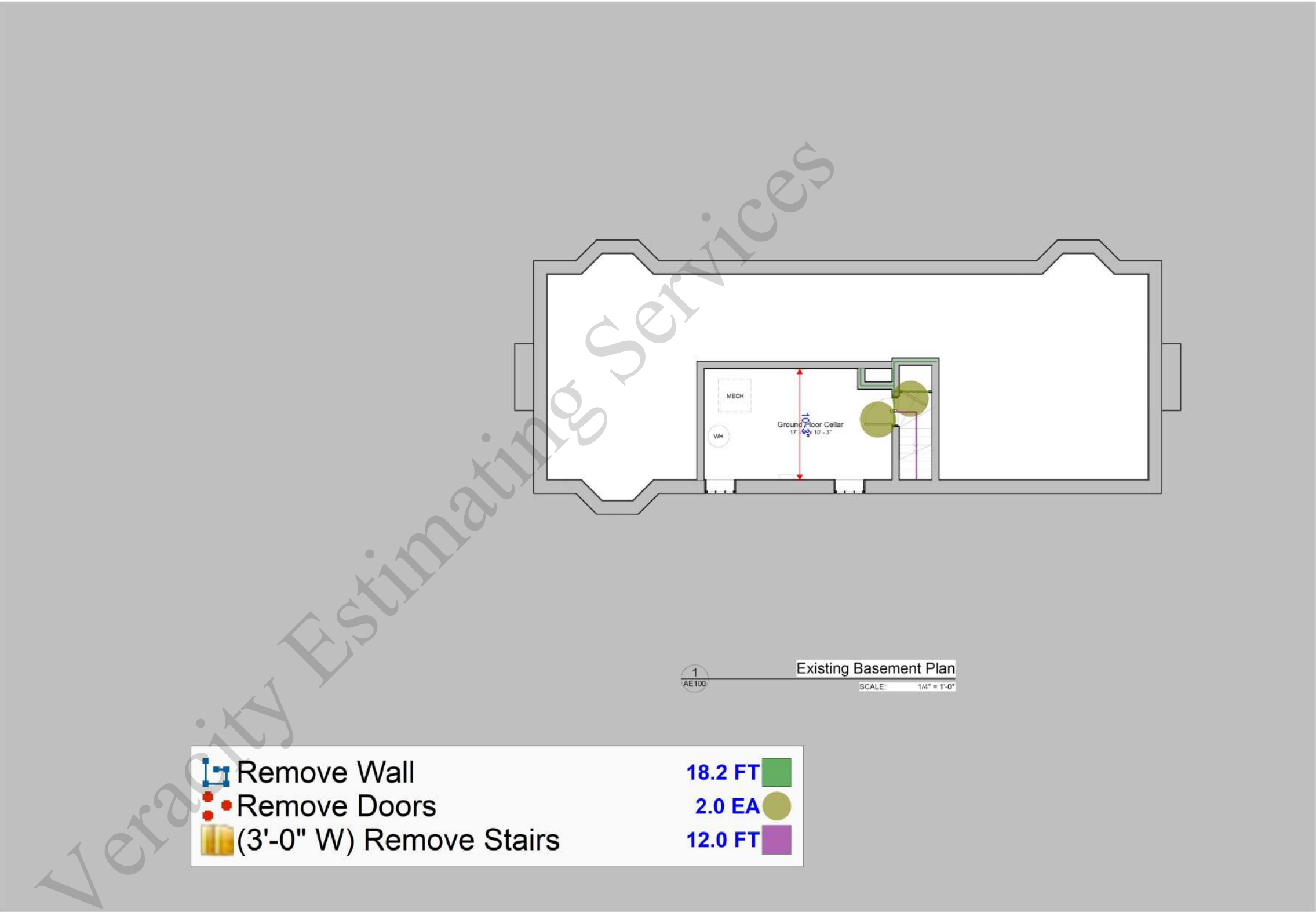
Note:

1. Please verify the equipment's and their prices with owner.
2. Online sources are used for pricing.
3. Prices can vary depending upon field conditions.

ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E. E. FAVA ARCHITECTS, ETC.
- ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION COPYRIGHT 2024

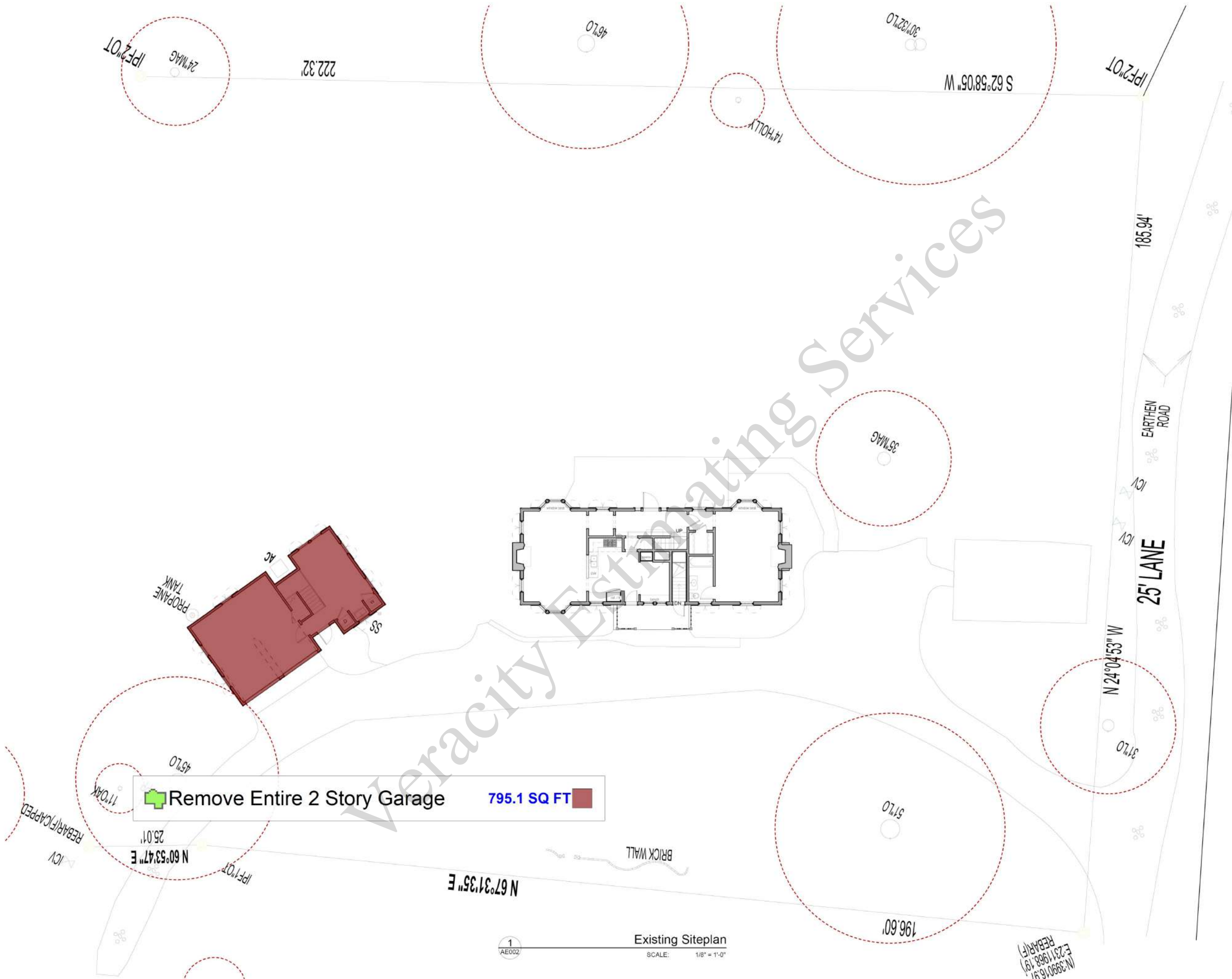


ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E. E. FAVA ARCHITECTS, ETC. - ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION. COPYRIGHT 2024.
Note: These drawings are strictly representations of the existing conditions of the structure and are the result of on site investigations of accessible areas. All dimensions and scaled elements noted herein are for reference only and should be verified by all individuals utilizing these documents for any other purpose.



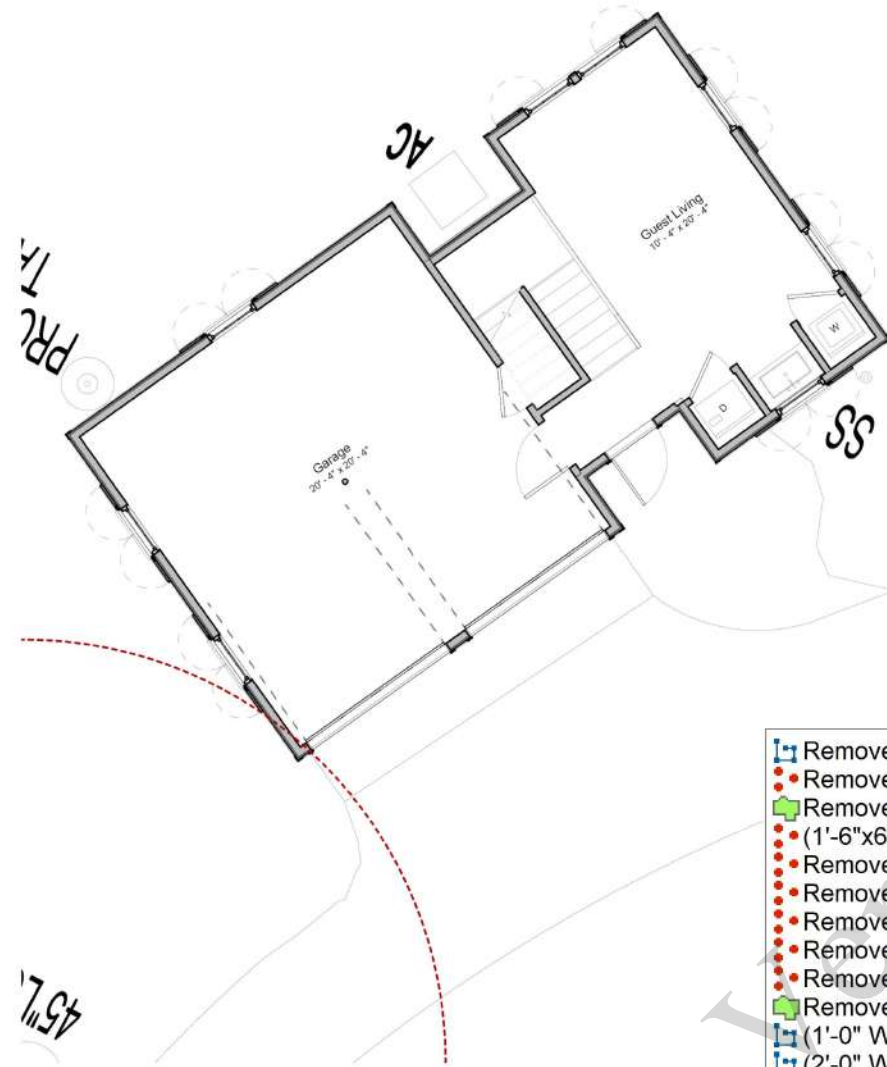
Revisions		
No.	Description	Date

ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E. E. FAVA ARCHITECTS, ETC. - ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION. COPYRIGHT 2024.
Note: These drawings are strictly representations of the existing conditions of the structure and are the result of on site investigations of accessible areas. All dimensions and scaled elements noted herein are for reference only and should be verified by all individuals utilizing these documents for any other purpose.



Revisions		
No.	Description	Date

ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E. E. FAVA ARCHITECTS, ETC. - ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION. COPYRIGHT 2024.
Note: These drawings are strictly representations of the existing conditions of the structure and are the result of on site investigations of accessible areas. All dimensions and scaled elements noted herein are for reference only and should be verified by all individuals utilizing these documents for any other purpose.



1
AE101

Existing First Floor Plan

SCALE: 1/4" = 1'-0"

- Remove Walls 9'-0"H
- Remove Doors
- Remove Ceiling & Floor W/ Lighting
- (1'-6"x6'-6") Remove Bench
- Remove Refrigerator
- Remove Kitchen Sink
- Remove Dish Washer
- Remove Stove
- Remove Oven
- Remove Countertop
- (1'-0" W) Remove Upper Cabinets
- (2'-0" W) Remove Base Cabinet
- Remove Bath Tub
- Remove Lavatory W/ Faucet
- Water Closet
- (1'-3" W) Remove Closet
- Remove Deck
- Remove Wall For Door 7'H
- Remove Window
- (1'-4"x3'-9") Remove Table
- Remove Fence
- Remove Post

- 219.7 FT
- 9.0 EA
- 1168.6 SQ FT
- 1.0 EA
- 1.0 EA
- 1.0 EA
- 1.0 EA
- 1.0 EA
- 1.0 EA
- 1.0 EA
- 34.9 SQ FT
- 5.6 FT
- 13.9 FT
- 1.0 EA
- 1.0 EA
- 1.0 EA
- 9.6 FT
- 94.5 SQ FT
- 10.0 FT
- 16.0 EA
- 1.0 EA
- 19.0 FT
- 4.0 EA

Revisions		
No.	Description	Date

08/29/2024

Existing First Floor Plan

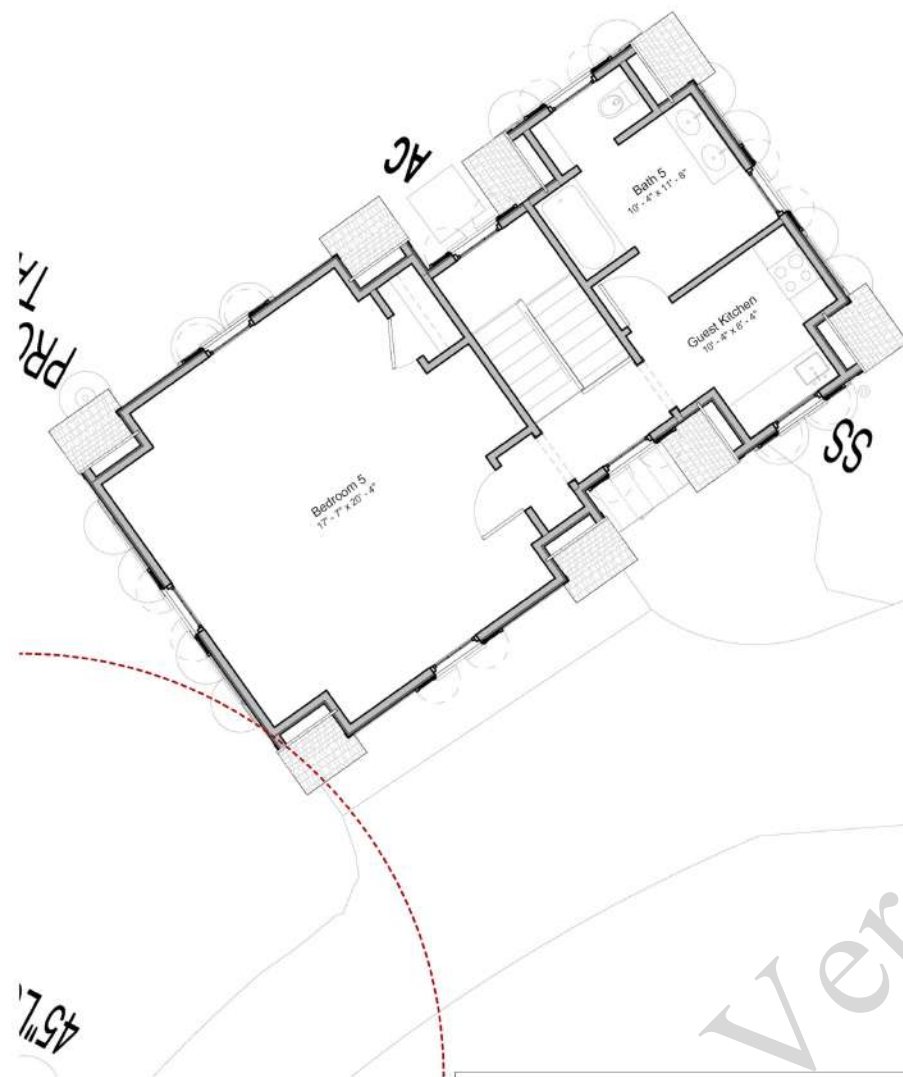
e. AE101

Byars Residence | Yeamans Hall | Hanahan . SC . 29410

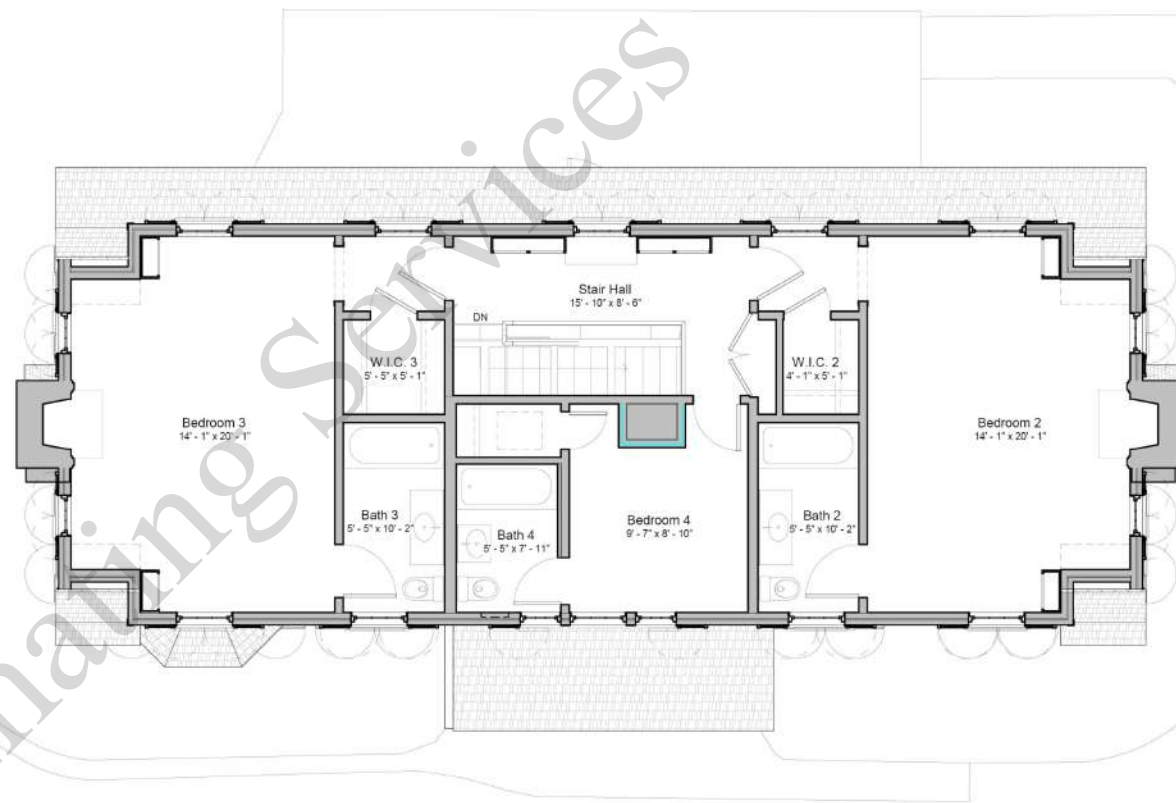
eefava architects, etc., inc. | 54 Broad Street | Charleston, South Carolina 29401 | 843.723.5099 | eefava.com

PROJECT DRAWINGS, DESIGN & DETAILS ARE THE PROPERTY OF E. E. FAVA ARCHITECTS, ETC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM E. E. FAVA ARCHITECTS, ETC.

ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E. E. FAVA ARCHITECTS, ETC. - ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION. COPYRIGHT 2024.
Note: These drawings are strictly representations of the existing conditions of the structure and are the result of on site investigations of accessible areas. All dimensions and scaled elements noted herein are for reference only and should be verified by all individuals utilizing these documents for any other purpose.



 Remove Wall 8'-0"H 7.5 FT 

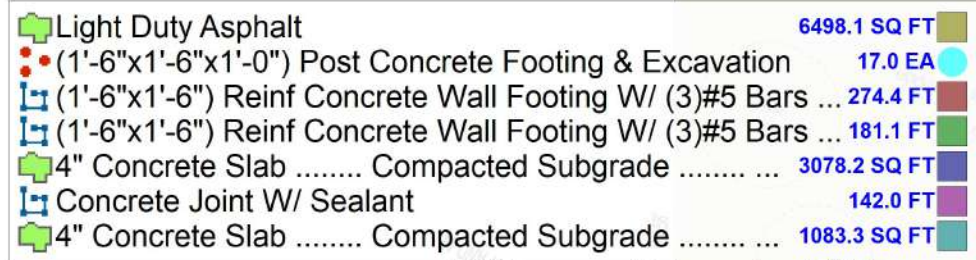


2 Existing Second Floor Plan
SCALE: 1/4" = 1'-0"

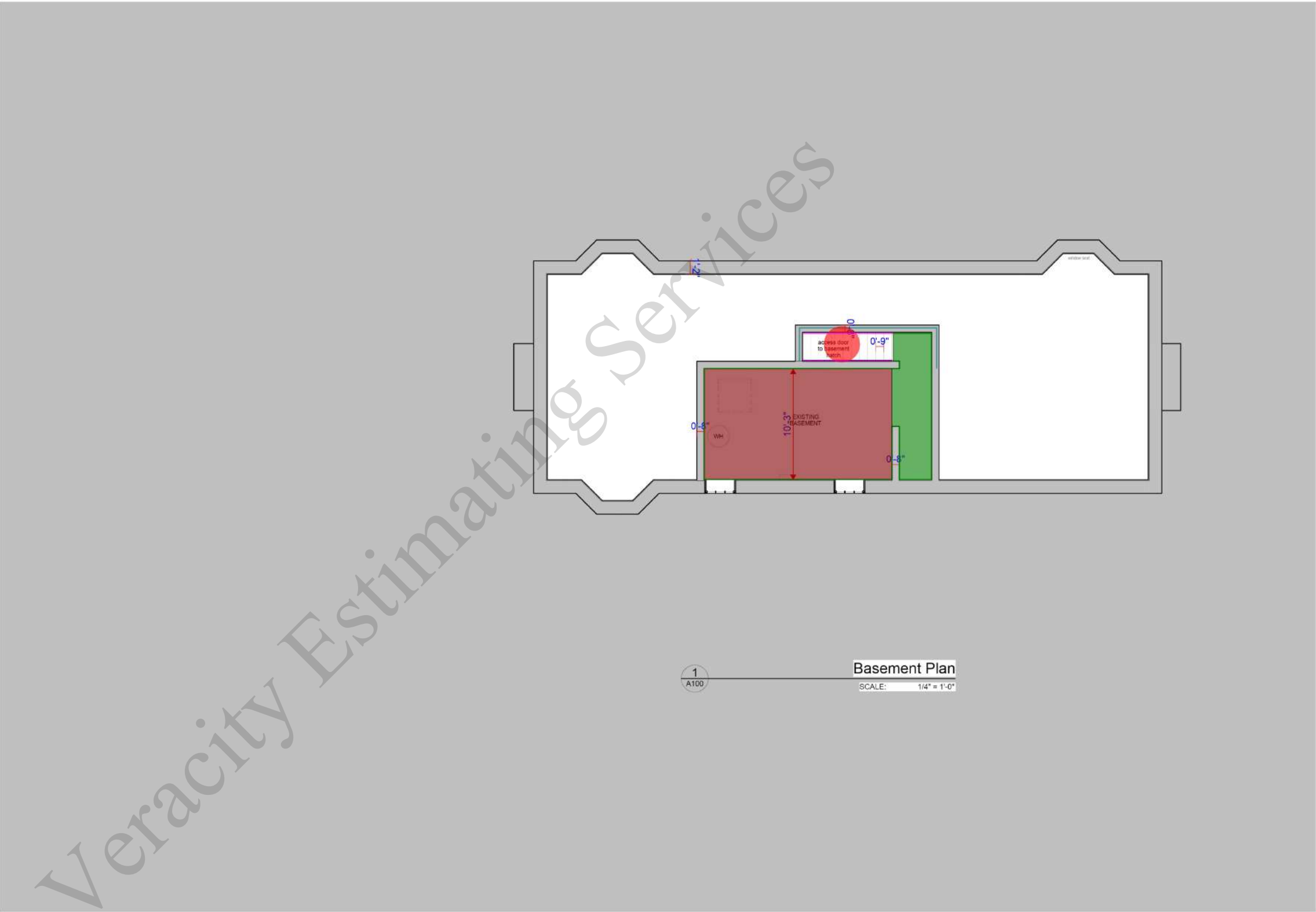
Revisions		
No.	Description	Date

08/29/2024

ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION COPYRIGHT 2024.



ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E. E. FAVA ARCHITECTS, ETC. - ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION. COPYRIGHT 2024.
Note: These drawings are strictly representations of the existing conditions of the structure and are the result of on site investigations of accessible areas. All dimensions and scaled elements noted herein are for reference only and should be verified by all individuals utilizing these documents for any other purpose.



	2x8 Stud Wall B.S Board	19.5 FT	
	(2'-6" W) Wooden Stair	1.0 EA	
	Wood Base & Wall Paint 8'-0"H	77.2 FT	
	Wood Base & Wall Paint 8'-0"H	20.0 FT	
	Patch & Repair Floor & Gypsum Baord C...	176.0 SQ FT	
	Hard Wood Flooring & 5/8" Painted Gypsu...	44.9 SQ FT	

Revisions		
No.	Description	Date

08/29/2024

e.e. fava architects, etc.
54 Broad Street
Charleston, SC 29401
843.723.5099 | eefava.com

- ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION COPYRIGHT 2024

ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E. E. FAVA ARCHITECTS, ETC.

4570



Veracrypt

[illegible]

0.01	
7.5E-02	
2.0E-01	
5.0E-01	
1.0E+00	
2.0E+00	
5.0E+00	
1.0E+01	
2.0E+01	
5.0E+01	
1.0E+02	
2.0E+02	
5.0E+02	
1.0E+03	
2.0E+03	
5.0E+03	
1.0E+04	
2.0E+04	
5.0E+04	
1.0E+05	
2.0E+05	
5.0E+05	
1.0E+06	
2.0E+06	
5.0E+06	
1.0E+07	
2.0E+07	
5.0E+07	
1.0E+08	
2.0E+08	
5.0E+08	
1.0E+09	
2.0E+09	
5.0E+09	
1.0E+10	
2.0E+10	
5.0E+10	
1.0E+11	
2.0E+11	
5.0E+11	
1.0E+12	
2.0E+12	
5.0E+12	
1.0E+13	
2.0E+13	
5.0E+13	
1.0E+14	
2.0E+14	
5.0E+14	
1.0E+15	
2.0E+15	
5.0E+15	
1.0E+16	
2.0E+16	
5.0E+16	
1.0E+17	
2.0E+17	
5.0E+17	
1.0E+18	
2.0E+18	
5.0E+18	
1.0E+19	
2.0E+19	
5.0E+19	
1.0E+20	
2.0E+20	
5.0E+20	
1.0E+21	
2.0E+21	
5.0E+21	
1.0E+22	
2.0E+22	
5.0E+22	
1.0E+23	
2.0E+23	
5.0E+23	
1.0E+24	
2.0E+24	
5.0E+24	
1.0E+25	
2.0E+25	
5.0E+25	
1.0E+26	
2.0E+26	
5.0E+26	
1.0E+27	
2.0E+27	
5.0E+27	
1.0E+28	
2.0E+28	
5.0E+28	
1.0E+29	
2.0E+29	
5.0E+29	
1.0E+30	
2.0E+30	
5.0E+30	
1.0E+31	
2.0E+31	
5.0E+31	
1.0E+32	
2.0E+32	
5.0E+32	
1.0E+33	
2.0E+33	
5.0E+33	
1.0E+34	
2.0E+34	
5.0E+34	
1.0E+35	
2.0E+35	
5.0E+35	
1.0E+36	
2.0E+36	
5.0E+36	
1.0E+37	
2.0E+37	
5.0E+37	
1.0E+38	
2.0E+38	
5.0E+38	
1.0E+39	
2.0E+39	
5.0E+39	
1.0E+40	
2.0E+40	
5.0E+40	
1.0E+41	
2.0E+41	
5.0E+41	
1.0E+42	
2.0E+42	
5.0E+42	
1.0E+43	
2.0E+43	
5.0E+43	
1.0E+44	
2.0E+44	
5.0E+44	
1.0E+45	
2.0E+45	
5.0E+45	
1.0E+46	
2.0E+46	
5.0E+46	
1.0E+47	
2.0E+47	
5.0E+47	
1.0E+48	
2.0E+48	
5.0E+48	
1.0E+49	
2.0E+49	
5.0E+49	
1.0E+50	
2.0E+50	
5.0E+50	
1.0E+51	
2.0E+51	
5.0E+51	
1.0E+52	
2.0E+52	
5.0E+52	
1.0E+53	
2.0E+53	
5.0E+53	
1.0E+54	
2.0E+54	
5.0E+54	
1.0E+55	
2.0E+55	
5.0E+55	
1.0E+56	
2.0E+56	
5.0E+56	
1.0E+57	
2.0E+57	
5.0E+57	
1.0E+58	
2.0E+58	
5.0E+58	
1.0E+59	
2.0E+59	
5.0E+59	
1.0E+60	
2.0E+60	
5.0E+60	
1.0E+61	
2.0E+61	
5.0E+61	
1.0E+62	
2.0E+62	
5.0E+62	
1.0E+63	
2.0E+63	</

First Floor Plan

SCALE: $1/4" = 1'-0"$

e.e. java architects, etc.
54 broad street
charleston, sc 29401
843.722.8009 | eefava.com

e.e. lava attachments, etc.

54 Brown Street
 New York, N.Y.
 10012-34567 | info@e.e.com

Revisions		
No.	Description	Date

08/30/2024

08.29.2024

Byars Residence | Yeamans Hall | Hanahan . SC . 29410
eefava architects, etc, inc. | 54 Broad Street | Charleston, South Carolina 29401 | 843.723.5099 | eefava.com

e. A101

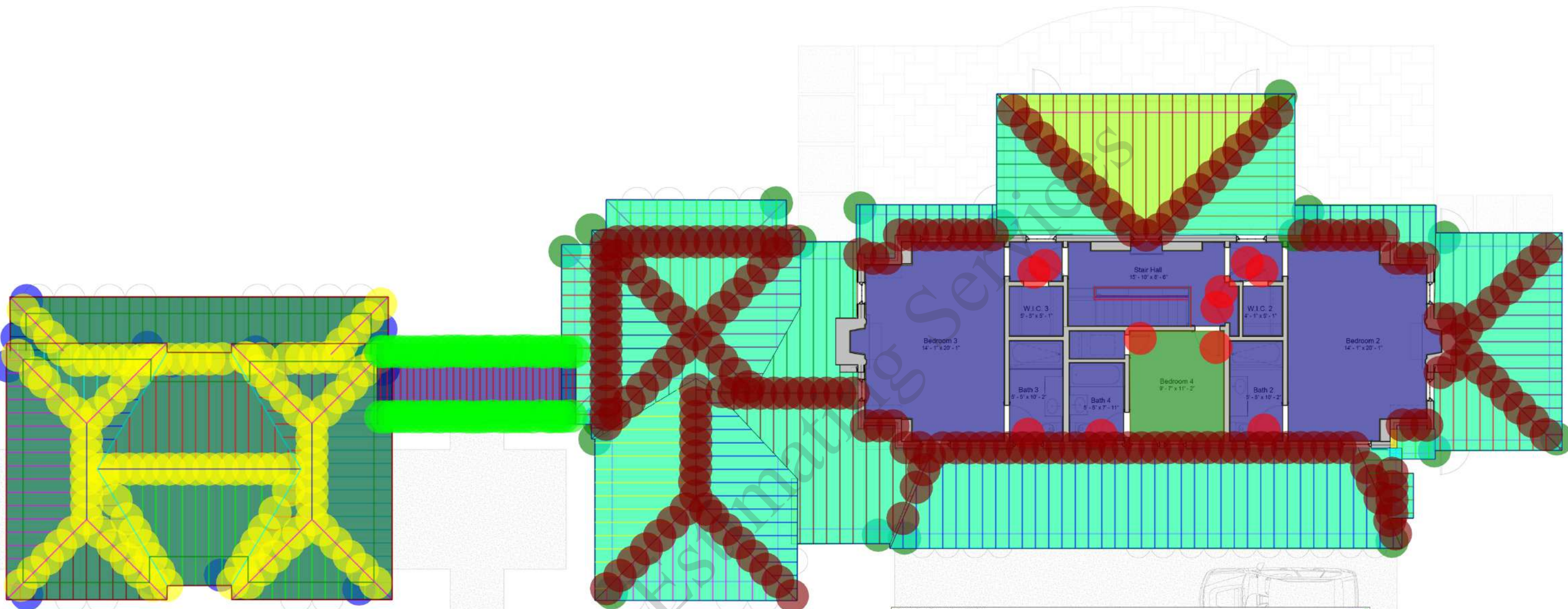
Proposed First Floor Plan

- ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION COPYRIGHT 2024

ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E E FAVA ARCHITECTS, ETC.

Byars Residence | Yeamans Hall | Hanahan . SC . 29410

eefava architects, etc., inc. | 54 Broad Street | Charleston, South Carolina 29401 | 843.723.5099 | eefava.com



- [illegible]

- [illegible]

	e.g. live attractions etc. of broad interest to all
--	---

e.e. java architects, etc.
54 broad street
charleston, sc 29401

08.29.202

Proposed Second Floor Plan

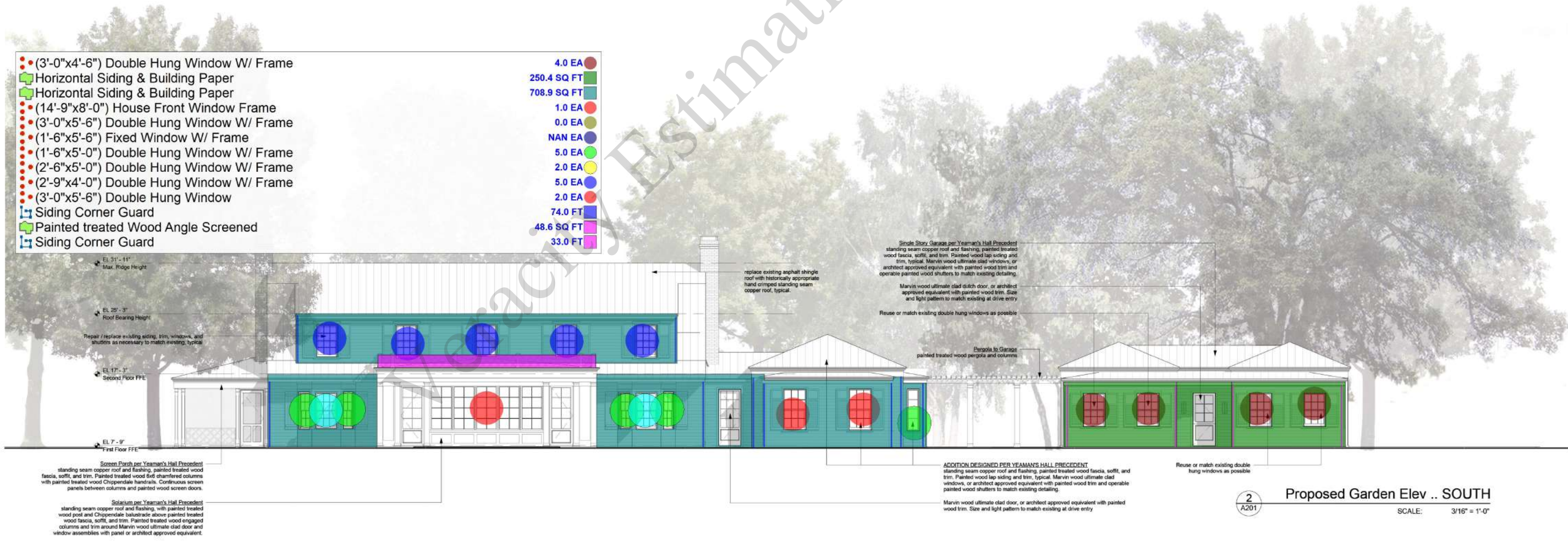
e. A102

Proposed Second Floor Plan

ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E. E. FAVA ARCHITECTS, ETC. - ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION. COPYRIGHT 2024.
Note: These drawings are strictly representations of the existing conditions of the structure and are the result of on site investigations of accessible areas. All dimensions and scaled elements noted herein are for reference only and should be verified by all individuals utilizing these documents for any other purpose.



1 Existing Garden Elev .. SOUTH
SCALE: 3/16" = 1'-0"



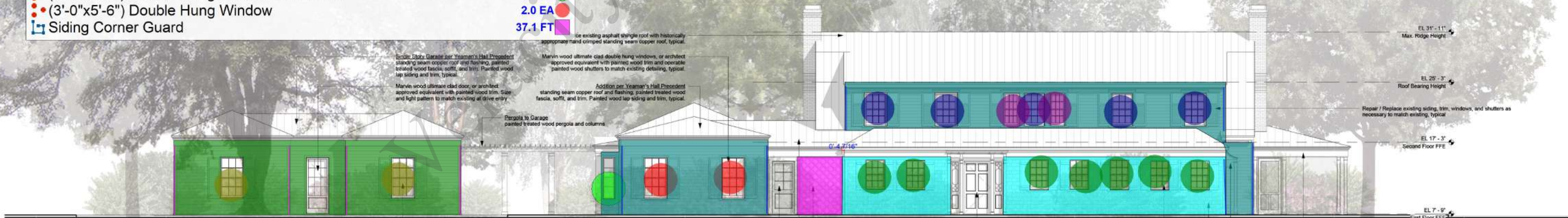
2 Proposed Garden Elev .. SOUTH
SCALE: 3/16" = 1'-0"

ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E. E. FAVA ARCHITECTS, ETC. - ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION. COPYRIGHT 2024.
Note: These drawings are strictly representations of the existing conditions of the structure and are the result of on site investigations of accessible areas. All dimensions and scaled elements noted herein are for reference only and should be verified by all individuals utilizing these documents for any other purpose.



1
A202
Existing Drive Elev. .. NORTH
SCALE: 3/16" = 1'-0"

Horizontal Siding & Building Paper	323.8 SQ FT
(3'-0"x5'-6") Double Hung Window W/ Frame	2.0 EA
(1'-6"x5'-6") Fixed Window W/ Frame	NAN EA
Horizontal Siding & Building Paper	446.3 SQ FT
Painted treated Wood Angle Screened	46.0 SQ FT
Brick Stone	270.7 SQ FT
(2'-6"x4'-0") Double Hung Window W/ Frame	7.0 EA
(3'-0"x4'-6") Double Hung Window	5.0 EA
(2'-0"x4'-6") Double Hung Window W/ Frame	2.0 EA
Siding Corner Guard	47.1 FT
(1'-6"x5'-0") Double Hung Window W/ Frame	1.0 EA
(3'-0"x5'-6") Double Hung Window	2.0 EA
Siding Corner Guard	37.1 FT



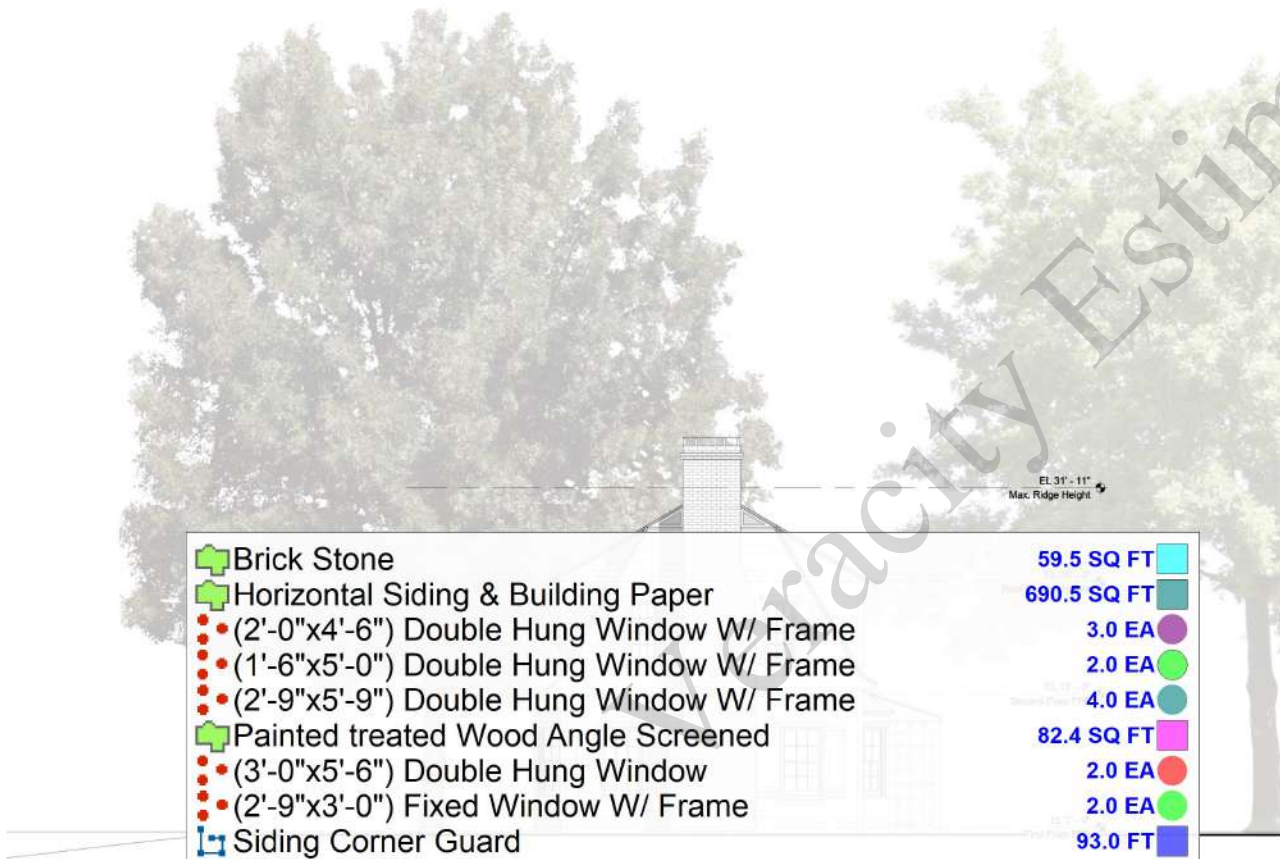
2
A202
Proposed Drive Elev. .. NORTH
SCALE: 3/16" = 1'-0"



1 Existing Side Elev .. WEST
A203 SCALE: 3/16" = 1'-0"

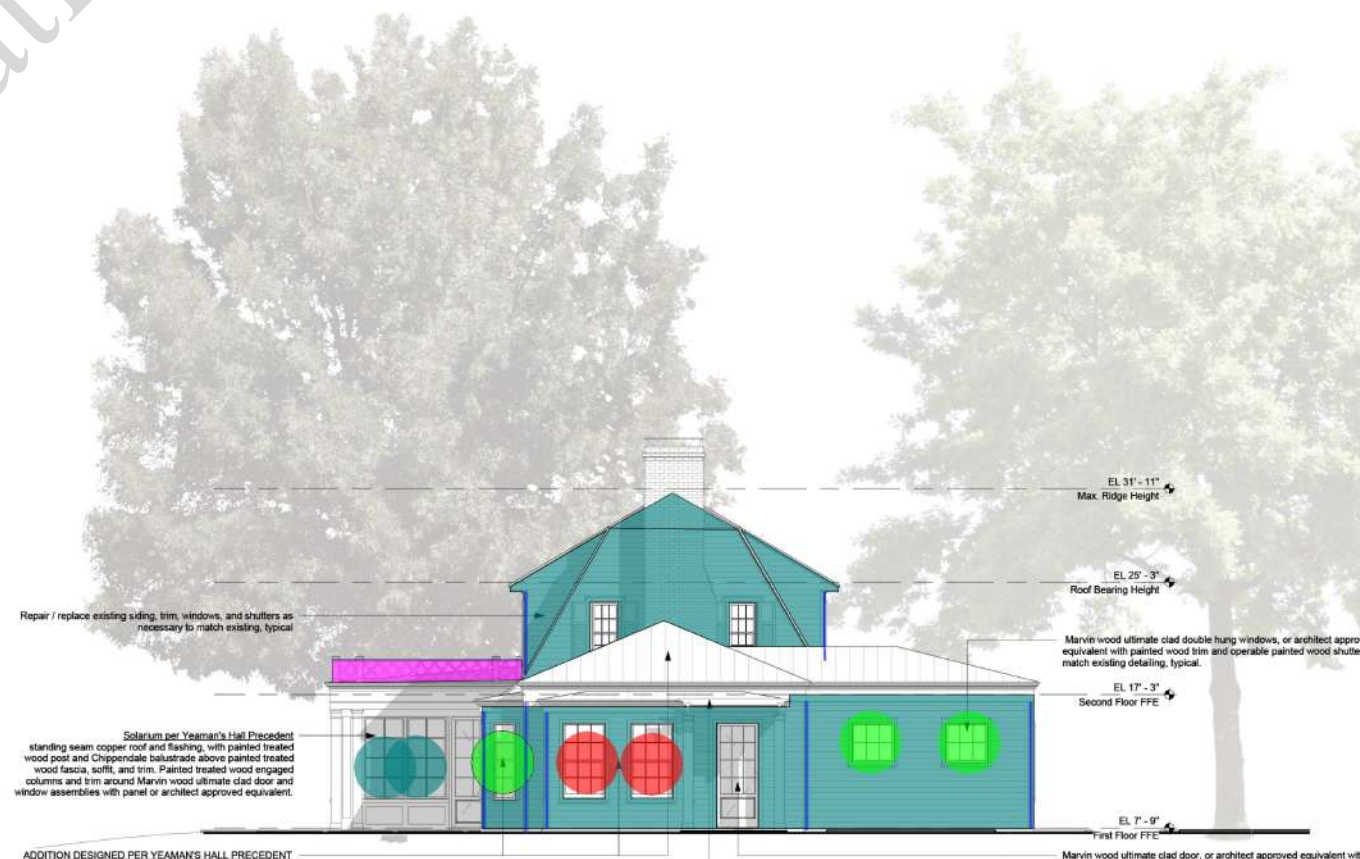


2 Proposed Side Elevation .. WEST
A203 SCALE: 3/16" = 1'-0"



3 Existing Side Elevation .. EAST
A203 SCALE: 3/16" = 1'-0"

Brick Stone	59.5 SQ FT
Horizontal Siding & Building Paper	690.5 SQ FT
(2'-0"x4'-6") Double Hung Window W/ Frame	3.0 EA
(1'-6"x5'-0") Double Hung Window W/ Frame	2.0 EA
(2'-9"x5'-9") Double Hung Window W/ Frame	4.0 EA
Painted treated Wood Angle Screened	82.4 SQ FT
(3'-0"x5'-6") Double Hung Window	2.0 EA
(2'-9"x3'-0") Fixed Window W/ Frame	2.0 EA
Siding Corner Guard	93.0 FT



4 Proposed Side Elevation .. EAST
A203 SCALE: 3/16" = 1'-0"

ALL DESIGN AND DETAILS ARE THE EXCLUSIVE PROPERTY OF E. E. FAVA ARCHITECTS, ETC. - ALL RIGHTS RESERVED - DRAWINGS MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION. COPYRIGHT 2024.
Note: These drawings are strictly representations of the existing conditions of the structure and are the result of on site investigations of accessible areas. All dimensions and scaled elements noted herein are for reference only and should be verified by all individuals utilizing these documents for any other purpose.



1
A204

Garage Side . EAST

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



3
A204

Garage Side . WEST

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

 Siding Corner Guard
 Horizontal Siding & Building Paper
 (3'-0"x4'-6") Double Hung Window W/ Frame

54.1 FT

363.6 SQ FT

2.0 EA