

Project :- Green Grove Two Family Home

Location :- 3442-3444 Day Avenue Miami, FL

Date :- 30/09/2017

Estimator :- Tesbee Consultancy

Structural Estimation

	Description	Unit	Qty	Material Rate	Material Amount	Labor Rate	Labor Amount	Unit Rate	Amount
	Foundation								
1	CF24	LF	136						
	Excavation	CF	531		-	2.20	1,168.2	2.20	1,168.20
	Concrete	CF	259	3.00	777	4.50	1,165.5	7.50	1,942.50
	Reinforcement	Lbs	1,295	1.00	1,295	1.20	1,554.0	2.20	2,849.00
	Formwork	Sq.ft	544	6.00	3,264	9.00	4,896.0	15.00	8,160.00
2	CF30	LF	53						
	Excavation	CF	237		-	2.20	521.4	2.20	521.40
	Concrete	CF	131	3.00	393	4.50	589.5	7.50	982.50
	Reinforcement	Lbs	655	1.00	655	1.20	786.0	2.20	1,441.00
	Formwork	Sq.ft	239	6.00	1,434	9.00	2,151.0	15.00	3,585.00
3	CF16	LF	31						
	Excavation	CF	90		-	2.20	198.0	2.20	198.00
	Concrete	CF	44	3.00	132	4.50	198.0	7.50	330.00
	Reinforcement	Lbs	220	1.00	220	1.20	264.0	2.20	484.00
	Formwork	Sq.ft	91	6.00	546	9.00	819.0	15.00	1,365.00
4	CF20	LF	6						
	Excavation	CF	28		-	2.20	61.6	2.20	61.60
	Concrete	CF	19	3.00	57	4.50	85.5	7.50	142.50
	Reinforcement	Lbs	95	1.00	95	1.20	114.0	2.20	209.00
	Formwork	Sq.ft	19	6.00	114	9.00	171.0	15.00	285.00
5	Footing for C812	Nos	19						
	Excavation	CF	236		-	2.20	519.2	2.20	519.20
	Concrete	CF	167	3.00	501	4.50	751.5	7.50	1,252.50
	Reinforcement	Lbs	835	1.00	835	1.20	1,002.0	2.20	1,837.00
	Formwork	Sq.ft	304	6.00	1,824	9.00	2,736.0	15.00	4,560.00
6	Footing for C832	Nos	1						
	Excavation	CF	181		-	2.20	398.2	2.20	398.20
	Concrete	CF	37	3.00	111	4.50	166.5	7.50	277.50
	Reinforcement	Lbs	185	1.00	185	1.20	222.0	2.20	407.00
	Formwork	Sq.ft	24	6.00	144	9.00	216.0	15.00	360.00
7	Footing for C81620	Nos	1						
	Excavation	CF	128		-	2.20	281.6	2.20	281.60
	Concrete	CF	32	3.00	96	4.50	144.0	7.50	240.00
	Reinforcement	Lbs	160	1.00	160	1.20	192.0	2.20	352.00
	Formwork	Sq.ft	32	6.00	192	9.00	288.0	15.00	480.00
8	Footing for C1222	Nos	2						
	Excavation	CF	128		-	2.20	281.6	2.20	281.60
	Concrete	CF	32	3.00	96	4.50	144.0	7.50	240.00
	Reinforcement	Lbs	160	1.00	160	1.20	192.0	2.20	352.00
	Formwork	Sq.ft	32	6.00	192	9.00	288.0	15.00	480.00
9	PL	Nos	4						
	Excavation	CF	35		-	2.20	77.0	2.20	77.00
	Concrete	CF	30	3.00	90	4.50	135.0	7.50	225.00
	Reinforcement	Lbs	150	1.00	150	1.20	180.0	2.20	330.00
	Formwork	Sq.ft	40	6.00	240	9.00	360.0	15.00	600.00

Structural Estimation

	Description	Unit	Qty	Material Rate	Material Amount	Labor Rate	Labor Amount	Unit Rate	Amount
	Beams								
10	TB812	LF	157						
	Concrete	CF	105	3.00	315	4.50	472.5	7.50	787.50
	Reinforcement	Lbs	525	1.00	525	1.20	630.0	2.20	1,155.00
	Formwork	Sq.ft	419	6.00	2,514	9.00	3,771.0	15.00	6,285.00
11	TB812	LF	32						
	Concrete	CF	43	3.00	129	4.50	193.5	7.50	322.50
	Reinforcement	Lbs	215	1.00	215	1.20	258.0	2.20	473.00
	Formwork	Sq.ft	118	6.00	708	9.00	1,062.0	15.00	1,770.00
12	TB1212	LF	33						
	Concrete	CF	33	3.00	99	4.50	148.5	7.50	247.50
	Reinforcement	Lbs	165	1.00	165	1.20	198.0	2.20	363.00
	Formwork	Sq.ft	99	6.00	594	9.00	891.0	15.00	1,485.00
13	B812	LF	34						
	Concrete	CF	23	3.00	69	4.50	103.5	7.50	172.50
	Reinforcement	Lbs	115	1.00	115	1.20	138.0	2.20	253.00
	Formwork	Sq.ft	91	6.00	546	9.00	819.0	15.00	1,365.00
14	B812-1	LF	39						
	Concrete	CF	26	3.00	78	4.50	117.0	7.50	195.00
	Reinforcement	Lbs	130	1.00	130	1.20	156.0	2.20	286.00
	Formwork	Sq.ft	104	6.00	624	9.00	936.0	15.00	1,560.00
15	B817	LF	10						
	Concrete	CF	10	3.00	30	4.50	45.0	7.50	75.00
	Reinforcement	Lbs	50	1.00	50	1.20	60.0	2.20	110.00
	Formwork	Sq.ft	35	6.00	210	9.00	315.0	15.00	525.00
16	B818	LF	34						
	Concrete	CF	34	3.00	102	4.50	153.0	7.50	255.00
	Reinforcement	Lbs	170	1.00	170	1.20	204.0	2.20	374.00
	Formwork	Sq.ft	125	6.00	750	9.00	1,125.0	15.00	1,875.00
17	B81612	LF	9						
	Concrete	CF	18	3.00	54	4.50	81.0	7.50	135.00
	Reinforcement	Lbs	90	1.00	90	1.20	108.0	2.20	198.00
	Formwork	Sq.ft	38	6.00	228	9.00	342.0	15.00	570.00
18	B1612	LF	80						
	Concrete	CF	107	3.00	321	4.50	481.5	7.50	802.50
	Reinforcement	Lbs	535	1.00	535	1.20	642.0	2.20	1,177.00
	Formwork	Sq.ft	294	6.00	1,764	9.00	2,646.0	15.00	4,410.00
19	B1224	LF	7						
	Concrete	CF	14	3.00	42	4.50	63.0	7.50	105.00
	Reinforcement	Lbs	70	1.00	70	1.20	84.0	2.20	154.00
	Formwork	Sq.ft	28	6.00	168	9.00	252.0	15.00	420.00
20	B815	LF	14						
	Concrete	CF	12	3.00	36	4.50	54.0	7.50	90.00
	Reinforcement	Lbs	60	1.00	60	1.20	72.0	2.20	132.00
	Formwork	Sq.ft	45	6.00	270	9.00	405.0	15.00	675.00
21	B822-1	LF	38						
	Concrete	CF	47	3.00	141	4.50	211.5	7.50	352.50
	Reinforcement	Lbs	235	1.00	235	1.20	282.0	2.20	517.00
	Formwork	Sq.ft	165	6.00	990	9.00	1,485.0	15.00	2,475.00
22	B2412	LF	44						
	Concrete	CF	30	3.00	90	4.50	135.0	7.50	225.00
	Reinforcement	Lbs	150	1.00	150	1.20	180.0	2.20	330.00

Structural Estimation

	Description	Unit	Qty	Material Rate	Material Amount	Labor Rate	Labor Amount	Unit Rate	Amount
	Formwork	Sq.ft	118	6.00	708	9.00	1,062.0	15.00	1,770.00
23	B841	LF	25						
	Concrete	CF	57	3.00	171	4.50	256.5	7.50	427.50
	Reinforcement	Lbs	285	1.00	285	1.20	342.0	2.20	627.00
	Formwork	Sq.ft	188	6.00	1,128	9.00	1,692.0	15.00	2,820.00
24	B1212	LF	72						
	Concrete	CF	72	3.00	216	4.50	324.0	7.50	540.00
	Reinforcement	Lbs	360	1.00	360	1.20	432.0	2.20	792.00
	Formwork	Sq.ft	216	6.00	1,296	9.00	1,944.0	15.00	3,240.00
25	B821	LF	96						
	Concrete	CF	112	3.00	336	4.50	504.0	7.50	840.00
	Reinforcement	Lbs	560	1.00	560	1.20	672.0	2.20	1,232.00
	Formwork	Sq.ft	400	6.00	2,400	9.00	3,600.0	15.00	6,000.00
26	B824	LF	86						
	Concrete	CF	115	3.00	345	4.50	517.5	7.50	862.50
	Reinforcement	Lbs	575	1.00	575	1.20	690.0	2.20	1,265.00
	Formwork	Sq.ft	402	6.00	2,412	9.00	3,618.0	15.00	6,030.00
27	Bond Beam	LF	166						
	Concrete	CF	111	3.00	333	4.50	499.5	7.50	832.50
	Reinforcement	Lbs	555	1.00	555	1.20	666.0	2.20	1,221.00
	Formwork	Sq.ft	443	6.00	2,658	9.00	3,987.0	15.00	6,645.00
28	Steel Beam 4'6" long, for Stair	Nos	4	450.00	1,800	650.00	2,600.0	1,100.00	4,400.00
	Columns								
29	C81620	No	2						
	Concrete	CF	44	3.00	132	4.50	198.0	7.50	330.00
	Reinforcement	Lbs	220	1.00	220	1.20	264.0	2.20	484.00
	Formwork	Sq.ft	132	6.00	792	9.00	1,188.0	15.00	1,980.00
30	C1212	No	2						
	Concrete	CF	22	3.00	66	4.50	99.0	7.50	165.00
	Reinforcement	Lbs	110	1.00	110	1.20	132.0	2.20	242.00
	Formwork	Sq.ft	88	6.00	528	9.00	792.0	15.00	1,320.00
31	C812	No	27						
	Concrete	CF	198	3.00	594	4.50	891.0	7.50	1,485.00
	Reinforcement	Lbs	990	1.00	990	1.20	1,188.0	2.20	2,178.00
	Formwork	Sq.ft	990	6.00	5,940	9.00	8,910.0	15.00	14,850.00
32	C1222	No	4						
	Concrete	CF	81	3.00	243	4.50	364.5	7.50	607.50
	Reinforcement	Lbs	405	1.00	405	1.20	486.0	2.20	891.00
	Formwork	Sq.ft	250	6.00	1,500	9.00	2,250.0	15.00	3,750.00
33	C832	No	1						
	Concrete	CF	20	3.00	60	4.50	90.0	7.50	150.00
	Reinforcement	Lbs	100	1.00	100	1.20	120.0	2.20	220.00
	Formwork	Sq.ft	74	6.00	444	9.00	666.0	15.00	1,110.00
34	C811	No	2						
	Concrete	CF	13	3.00	39	4.50	58.5	7.50	97.50
	Reinforcement	Lbs	65	1.00	65	1.20	78.0	2.20	143.00
	Formwork	Sq.ft	70	6.00	420	9.00	630.0	15.00	1,050.00
35	C88	No	2						
	Concrete	CF	10	3.00	30	4.50	45.0	7.50	75.00
	Reinforcement	Lbs	50	1.00	50	1.20	60.0	2.20	110.00
	Formwork	Sq.ft	59	6.00	354	9.00	531.0	15.00	885.00

Structural Estimation

	Description	Unit	Qty	Material Rate	Material Amount	Labor Rate	Labor Amount	Unit Rate	Amount
36	Steel Column HSS 3-1/2x3-1/2x3/8 Total Length 58 L.ft	lbs	853	4.00	3,410	5.00	4,263.0	9.00	7,673.40
37	Base Plates	Nos	4	75.00	300	175.00	700.0	250.00	1,000.00
	Slab								
38	6" Slab (6/S1)	Sq.ft	1,631						
	Concrete	CF	816	3.00	2,448	4.50	3,672.0	7.50	6,120.00
	Reinforcement	Lbs	4,078	1.00	4,078	1.20	4,893.0	2.20	8,970.50
	Formwork	Sq.ft	1,701	6.00	10,206	9.00	15,309.0	15.00	25,515.00
39	4" Exterior Slab (5/S1)	Sq.ft	151						
	Concrete	CF	51	3.00	153	4.50	229.5	7.50	382.50
	Reinforcement	Lbs	252	1.00	252	1.20	302.0	2.20	553.67
	Formwork	Sq.ft	194	6.00	1,164	9.00	1,746.0	15.00	2,910.00
40	4" Internal Slab (5/S1)	Sq.ft	1,493						
	Concrete	CF	498	3.00	1,494	4.50	2,241.0	7.50	3,735.00
	Reinforcement	Lbs	2,488	1.00	2,488	1.20	2,986.0	2.20	5,474.33
	Formwork	Sq.ft	1,493	6.00	8,958	9.00	13,437.0	15.00	22,395.00
41	3" Slab (6/S2, 7/S2)	Sq.ft	2,125						
	Concrete	CF	532	3.00	1,596	4.50	2,394.0	7.50	3,990.00
42	12" Slab	Sq.ft	240						
	Concrete	CF	240	3.00	720	4.50	1,080.0	7.50	1,800.00
	Reinforcement	Lbs	1,200	1.00	1,200	1.20	1,440.0	2.20	2,640.00
	Formwork	Sq.ft	240	6.00	1,440	9.00	2,160.0	15.00	3,600.00
	Pre Engineering open Web steel Joists with 3" concrete Deck maximum Joist and concrete system depth = 19" (concrete measured separately and Steel wire mwsh included in pricing with steel deck) Total Area 2125 Sq.ft	Sum	1	14,405.00	14,405	13,895.00	13,895.0	28,300.00	28,300.00
	Stairs								
	Concrete Stairs with 2 flights including 12 steps per flight								
44	6" Landing Slab	Sq.ft	39						
	Concrete	CF	20	3.00	59	4.50	87.8	7.50	146.25
	Reinforcement	Lbs	195	1.00	195	1.20	234.0	2.20	429.00
	Formwork	Sq.ft	55	6.00	330	9.00	495.0	15.00	825.00
45	4" Stringer	Sq.ft	78						
	Concrete	CF	26	3.00	78	4.50	117.0	7.50	195.00
	Reinforcement	Lbs	130	1.00	130	1.20	156.0	2.20	286.00
	Formwork	Sq.ft	113	6.00	676	9.00	1,014.0	15.00	1,690.00
46	Steps (Assumed 12 steps per Flying)	Sq.ft	60						
	Concrete	CF	6	3.00	18	4.50	26.3	7.50	43.75
	Reinforcement	Lbs	29	1.00	29	1.20	35.0	2.20	64.17
	Formwork	Sq.ft	90	6.00	540	9.00	810.0	15.00	1,350.00
	Roof Structure								
47	Pre Engineering wood roof trusses @ 24" O/C Max Spacing. (Long Run 20 L.ft Nr. 52, Short Run 13 L.ft Nr. 20)	Sum	1	5,850.00	5,850	4,750.00	4,750.0	10,600.00	10,600.00

Structural Estimation

	Description	Unit	Qty	Material Rate	Material Amount	Labor Rate	Labor Amount	Unit Rate	Amount
48	Wood truss 2x4 bottom chord bracing spaced max 10' O/C (Long Run 67 L.ft Nr. 4, Short Run 49 L.ft Nr. 4)	L.ft	464	2.20	1,021	4.80	2,227.2	7.00	3,248.00
49	Plywood Sheathing face grain to run Perpendicular to supports APA 40/20 19/32" Exposure 1	Sq.ft	2,712	2.50	6,780	3.50	9,492.0	6.00	16,272.00
50	2x4 Blocking at all Plywood seams attached W/2 16D Toe Nails to Top Chords	Sq.ft	2,631	0.75	1,973	1.25	3,288.8	2.00	5,262.00
51	Simpson H2.5A Clip fully Nail to 2x8 P.T wood Ledger Trusses up to 20' Long W 3/4 " Øx6" O/C Staggered. Longer Trusses:W 3/4 " Øx6" embed power Wedge Bolt @ 6" to each Side of Each Truss.	Sq.ft	2,631	0.60	1,579	1.20	3,157.2	1.80	4,735.80
52	Allow for Nails	Sq.ft	2,631	0.30	789	0.90	2,367.9	1.20	3,157.20
Sub Total					130,918.02		184,090.35		315,008.4
Insurance		3%							9,450.3
Overhead and Profit		22%							69,301.8
Total Amount					163,647.52		230,112.9		393,760.5