



BILL OF QUANTITIES & ESTIMATES

Project

**Proposed Renovation of Two-Storey
Residential Building**

Drawing #

1

Estimate #

2

Item	Particular	Unit	Quantity	Direct Cost
				Amount
1.0	Material Cost			
1.1	Demolition & Chipping Works	lot	1.00	50,000.00
1.2	Forms and Scaffoldings	lot	1.00	30,000.00
1.3	Concrete Works	lot	1.00	91,761.00
1.4	Masonry Works	lot	1.00	69,197.00
1.5	Structural Steel	lot	1.00	54,503.40
1.6	Roofing Works	lot	1.00	23,227.20
1.7	Tile Works	lot	1.00	59,961.00
1.8	Carpentry Works	lot	1.00	131,137.50
1.9	Steel Works	lot	1.00	60,000.00
2.0	Plumbing	lot	1.00	45,000.00
2.1	Electrical	lot	1.00	25,000.00
2.2	Painting Works	lot	1.00	65,000.00
2.3	Finished Hardware	lot	1.00	20,000.00
3.0	Labor Cost	lot	1.00	362,393.55
Total Direct Cost				1,087,180.64
	Contingency	3%		32,615.42
	Miscellaneous	5%		54,359.03
	Overhead	10%		108,718.06
Total Estimated Cost				1,282,873.16

B I L L O F Q U A N T I T I E S & E S T I M A T E S

Proposed Renovation of Two-Storey

Lot 5, Block 13, Phase III Deca Homes , Tungkil, Minglanilla, Cebu, 6046

M A T E R I A L S C O S T

Item	Particular	Specs	Unit	Quantity	Unit Price	Amount	%
1.0	Material Cost						
1.1	Demolition & Chipping Works						
						50,000.00	4.60
1.2	Forms and Scaffoldings						
	Good Lumber, 2" x 2"		bd.ft	204.38	50.00	10,218.75	
	Good Lumber, 2" x 3"		bd.ft	209.66	55.00	11,531.25	
	Marine Plywood, 3/4" thk		sht	6.60	1,250.00	8,250.00	
						30,000.00	2.76
1.3	Concrete Works						
	<i>C1F1 (4 Units)</i>						
	Cement		bags	11.00	240.00	2,640.00	0.24
	Sand		cu.m	1.00	1,500.00	1,500.00	0.14
	Gravel		cu.m	2.00	1,500.00	3,000.00	0.28
	16mm ϕ x 6m Deformed Bar		lhs	26.00	413.00	10,738.00	0.99
	10mm ϕ x 6m Deformed Bar		lhs	15.00	165.00	2,475.00	0.23
	G.I. Tie Wire		kgs	7.00	75.00	525.00	0.05
						20,878.00	1.92
	<i>C2F1 (5 Units)</i>						
	Cement		bags	16.00	240.00	3,840.00	0.35
	Sand		cu.m	1.00	1,500.00	1,500.00	0.14
	Gravel		cu.m	2.00	1,500.00	3,000.00	0.28
	16mm ϕ x 6m Deformed Bar		lhs	31.00	413.00	12,803.00	1.18
	10mm ϕ x 6m Deformed Bar		lhs	21.00	165.00	3,465.00	0.32
	G.I. Tie Wire		kgs	8.00	75.00	600.00	0.06
						25,208.00	2.32
	<i>Stairs Repair</i>						
	Cement		bags	7.00	240.00	1,680.00	0.15
	Sand		cu.m	1.00	1,500.00	1,500.00	0.14
	Gravel		cu.m	1.00	1,500.00	1,500.00	0.14
						4,680.00	0.43
	<i>Ground Floor Concrete Flooring</i>						
	Cement		bags	15.00	240.00	3,600.00	0.33
	Sand		cu.m	1.00	1,500.00	1,500.00	0.14
	Gravel		cu.m	2.00	1,500.00	3,000.00	0.28
	10mm ϕ x 6m Deformed Bar		lhs	13.00	165.00	2,145.00	0.20
	G.I. Tie Wire		kgs	1.00	75.00	75.00	0.01
						10,320.00	0.95
	<i>Second Floor Concrete Flooring w/ Steel Deck</i>						
	Cement		bags	15.00	240.00	3,600.00	0.33
	Sand		cu.m	1.00	1,100.00	1,100.00	0.10
	Gravel		cu.m	2.00	1,100.00	2,200.00	0.20
	Steel Deck, Flat , 24" Wide, 1.2mm thk		lm	27.00	570.00	15,390.00	1.42
	10mm ϕ x 6m Deformed Bar		lhs	49.00	165.00	8,085.00	0.74
	G.I. Tie Wire		kgs	4.00	75.00	300.00	0.03
						30,675.00	2.82
						91,761.00	8.44

1.4	Masonry Works						
	4" CHB		pcs	974.00	13.00	12,662.00	1.16
	Cement		bags	62.00	240.00	14,880.00	1.37
	Sand		cu.m	4.00	1,500.00	6,000.00	0.55
	10mm ϕ x 6m Deformed Bar		lhs	56.00	165.00	9,240.00	0.85
	G.I. Tie Wire		kgs	5.00	75.00	375.00	0.03
						43,157.00	3.97
	<i>Plastering Works</i>						
	Cement		bags	71.00	240.00	17,040.00	1.57
	Sand		cu.m	6.00	1,500.00	9,000.00	0.83
						26,040.00	2.40
						69,197.00	6.36
1.5	Structural Steel						
	<i>For Column</i>						
	3" X 6" Channel (A36)		lhs	4.00	6,086.20	24,344.80	2.24
	MS Plate, 10mm thk		lhs	4.00	350.00	1,400.00	0.13
	Stiffener Plate		sq.m	1.00	5,200.00	5,200.00	0.48
	Expansion Bolt, 5/8"		lhs	40.00	110.00	4,400.00	0.40
	Red Lead		gal	1.00	450.00	450.00	0.04
						35,794.80	3.29
	<i>For Beam</i>						
	3" X 6" Channel (A36)		lhs	3.00	6,086.20	18,258.60	1.68
	Red Lead		gal	1.00	450.00	450.00	0.04
						18,708.60	1.72
						54,503.40	5.01
1.6	Roofing Works						
	<i>Roof Framing</i>						
	LC Purlins, 2"x4"x1.3mm thk		lhs	3.00	712.00	2,136.00	0.20
	10 mm ϕ x 6m Plain Round Bar		lhs	4.00	150.00	600.00	0.06
	2"x3"x1.2mm thk Rectangular Tubing		lhs	5.00	678.50	3,392.50	0.31
	Red Lead		gal	2.00	450.00	900.00	0.08
						7,028.50	0.65
	<i>Roofing</i>						
	Corrugated GI Sheets, Ga. 22x8' (Painted)		lm	9.47	320.00	3,029.59	0.28
	Plain GI Sheets, Ga. 22x8' (Painted)		lm	9.47	1,200.00	11,364.00	1.05
	Acrylic Roof Shield		gal	1.00	250.00	250.00	0.02
	Tek Screw		pcs	144.00	3.00	432.00	0.04
	Rivets		pcs	123.11	1.00	123.11	0.01
	Sealant		tube	5.00	200.00	1,000.00	0.09
						16,198.70	1.49
						23,227.20	2.14
1.7	Tile Works						
	Unglazed Tiles (T&B), 60x60cm		pcs	70.00	93.50	6,545.00	0.60
	Glazed Tiles (Floor), 60x60cm		pcs	208.00	159.50	33,176.00	3.05
	Tile Adhesive		bags	23.00	400.00	9,200.00	0.85
	Cement		bags	46.00	240.00	11,040.00	1.02
	Tile Grout		kgs	23.00	55.00	1,265.00	0.12
						59,961.00	5.52
1.8	Carpentry Works						
	<i>Partitions</i>						
	Hardieflex, 6mm		sht	17.00	655.00	11,135.00	1.02

	Metal Furring, 12mmx38mmx5.0m	lhs	15.00	120.00	1,800.00	0.17
	Carrying Channel, 12mmx38mmx5.0m	lhs	9.00	76.00	684.00	0.06
	Wall Angle, 20mmx20mmx2.4m	lhs	10.00	39.00	390.00	0.04
	W-clip/Preformed Clip	pcs	70.00	3.50	245.00	0.02
	Suspension Clip	pcs	36.00	5.00	180.00	0.02
	Suspension Rod w/ Adjustment Spring	pcs	36.00	69.00	2,484.00	0.23
	Blind Rivets	pcs	170.00	1.00	170.00	0.02
	Concrete Nails	kgs	1.00	80.00	80.00	0.01
					17,168.00	1.58
	<i>Ceiling (Extension)</i>					
	Hardieflex, 6mm	sht	9.00	655.00	5,895.00	0.54
	Metal Furring, 12mmx38mmx5.0m	lhs	9.00	120.00	1,080.00	0.10
	Carrying Channel, 12mmx38mmx5.0m	lhs	5.00	76.00	380.00	0.03
	Wall Angle, 20mmx20mmx2.4m	lhs	6.00	39.00	234.00	0.02
	W-clip/Preformed Clip	pcs	39.00	3.50	136.50	0.01
	Suspension Clip	pcs	20.00	5.00	100.00	0.01
	Suspension Rod w/ Adjustment Spring	pcs	20.00	69.00	1,380.00	0.13
	Blind Rivets	pcs	94.00	1.00	94.00	0.01
	Concrete Nails	kgs	1.00	80.00	80.00	0.01
					9,379.50	0.86
	<i>Doors and Windows</i>					
	Solid Panel Door (0.80 x 2.1)	set	1.00	9,000.00	9,000.00	0.83
	Flush Door (0.7 x 2.1)	set	3.00	4,000.00	12,000.00	1.10
	PVC Door (0.6 x 2.1)	set	3.00	3,150.00	9,450.00	0.87
	Aluminum Screen Door (0.7 x 2.1)	set	3.00	7,800.00	23,400.00	2.15
	Awning Glass Window (1.8x1.2)	set	1.00	4,300.00	4,300.00	0.40
	Awning Glass Window(1.6x1.2)	set	4.00	3,800.00	15,200.00	1.40
	Jalousie Window (0.7x1.2)	set	1.00	600.00	600.00	0.06
	Jalousie Window (0.65x0.7)	set	2.00	320.00	640.00	0.06
					74,590.00	6.86
	<i>Cabinetry</i>	lot	1.00	30,000.00	30,000.00	2.76
					30,000.00	2.76
					131,137.50	12.06
1.9	Steel Works					
	Steel Grills	lot	1.00	30,000.00	30,000.00	2.76
	Steel Gate & Fence	lot	1.00	30,000.00	30,000.00	2.76
					60,000.00	5.52
2.0	Plumbing					
					45,000.00	4.14
2.1	Electrical					
					25,000.00	2.30
2.2	Painting Works					
					65,000.00	5.98
2.3	Finished Hardware					
					20,000.00	1.84

LABOR COST

Item	Particular	Unit	Rate/Day	Amount	%
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3.0	Labor Cost				
				362,393.55	33.33

Prepared by:

Engr. Victor Randolph V. Santillan, RCE