



## BILL OF QUANTITIES & ESTIMATES

Project

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

Drawing #

1

Estimate #

2

Item	Particular	Unit	Quantity	Direct Cost	
				Amount	
<b>1.0</b>	<b>Material Cost</b>				
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	
<b>3.0</b>	<b>Labor Cost</b>	lot	1.00	362,393.55	
<b>Total Direct Cost</b>				<b>1,087,180.64</b>	
	Contingency		3%	32,615.42	
	Miscellaneous		5%	54,359.03	
	Overhead		10%	108,718.06	
<b>Total Estimated Cost</b>				<b>1,282,873.16</b>	

# BILL OF QUANTITIES & ESTIMATES

## Proposed Renovation of Two-Storey

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

### MATERIALS COST

Item	Particular	Specs	Unit	Quantity	Unit Price	Amount	%
<b>1.0</b>	<b>Material Cost</b>						
<b>1.1</b>	<b>Demolition &amp; Chipping Works</b>						
						<b>50,000.00</b>	<b>4.60</b>
<b>1.2</b>	<b>Forms and Scaffoldings</b>						
	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	
						<b>30,000.00</b>	<b>2.76</b>
<b>1.3</b>	<b>Concrete Works</b>						
	<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
	16mmφ x 6m Deformed Bar	lhs		26.00	413.00	10,738.00	0.99
	10mmφ 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
						<b>20,878.00</b>	<b>1.92</b>
	<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
	16mmφ x 6m Deformed Bar	lhs		31.00	413.00	12,803.00	1.18
	10mmφ 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
						<b>25,208.00</b>	<b>2.32</b>
	<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
						<b>4,680.00</b>	<b>0.43</b>
	<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
	10mmφ 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
						<b>10,320.00</b>	<b>0.95</b>
	<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
	10mmφ 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
						<b>30,675.00</b>	<b>2.82</b>
						<b>91,761.00</b>	<b>8.44</b>

<b>1.4</b>	<b>Masonry Works</b>					
	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
	10mmφ 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
					<b>43,157.00</b>	<b>3.97</b>
	<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
					<b>26,040.00</b>	<b>2.40</b>
					<b>69,197.00</b>	<b>6.36</b>
<b>1.5</b>	<b>Structural Steel</b>					
	<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
					<b>35,794.80</b>	<b>3.29</b>
	<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
					<b>18,708.60</b>	<b>1.72</b>
					<b>54,503.40</b>	<b>5.01</b>
<b>1.6</b>	<b>Roofing Works</b>					
	<i>Roof Framing</i>					
	LC Purlins, 2"x4"x1.3mm thk	lhs	3.00	712.00	2,136.00	0.20
	10 mmφ 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
					<b>7,028.50</b>	<b>0.65</b>
	<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
					<b>16,198.70</b>	<b>1.49</b>
					<b>23,227.20</b>	<b>2.14</b>
<b>1.7</b>	<b>Tile Works</b>					
	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
					<b>59,961.00</b>	<b>5.52</b>
<b>1.8</b>	<b>Carpentry Works</b>					
	<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
						<b>17,168.00</b>	<b>1.58</b>
	<b>Ceiling (Extension)</b>						
	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
						<b>9,379.50</b>	<b>0.86</b>
	<b>Doors and Windows</b>						
	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
						<b>74,590.00</b>	<b>6.86</b>
	<b>Cabinetry</b>		lot	1.00	30,000.00	30,000.00	2.76
						<b>30,000.00</b>	<b>2.76</b>
						<b>131,137.50</b>	<b>12.06</b>
<b>1.9</b>	<b>Steel Works</b>						
	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
						<b>60,000.00</b>	<b>5.52</b>
<b>2.0</b>	<b>Plumbing</b>						
						<b>45,000.00</b>	<b>4.14</b>
<b>2.1</b>	<b>Electrical</b>						
						<b>25,000.00</b>	<b>2.30</b>
<b>2.2</b>	<b>Painting Works</b>						
						<b>65,000.00</b>	<b>5.98</b>
<b>2.3</b>	<b>Finished Hardware</b>						
						<b>20,000.00</b>	<b>1.84</b>

## 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