



YTURRALDE ENGINEERING AND CONSULTANCY SERVICES

Engineers Designers Planners Consultancy
 Lot 6 Blk. 19 NHA II Mandurriao Iloilo City
 Tel No. (033) 333-3059 / Cellfone Nos. (0918)-991-1051

Project : PROPOSED 4-STOREY BUILDING WITH ROOF DECK
Location : BUSWANG OLD & BACJAO, KALIBO, AKLAN
Owner : MRS. HELENA GOLEZ
Subject : LABOR & MATERIALS ESTIMATES

Estimates

Item No.	Description	Quantity	Unit	@	Unit Cost	Sub-Total	Total Cost
I.	Temporary Facilities						120,000.00
A.	Temporary Enclosure	1.00	lot	@	60,000.00	60,000.00	
B.	Electric & Water Consumption	1.00	lot	@	60,000.00	60,000.00	
II.	Demolition						20,000.00
A.	Demolition of existing structure	1.00	lot	@	20,000.00	20,000.00	
III.	Earth Works						719,891.90
A.	Clearing & Disposal of Waste	1.00	lot	@	15,000.00	15,000.00	
B.	Excavation	680.00	cu. m.	@	250.00	170,000.00	
C.	Manual Trimming	1,662.82	sq. m.	@	96.00	159,630.91	
D.	Dewatering	247.04	cu. m.	@	102.00	25,198.49	
E.	Gravel Bedding	216.53	cu. m.	@	300.00	64,959.30	
F.	Manual Spreading of Backfill	2,782.92	cu. m.	@	60.00	166,975.20	
G.	Imported Fill	738.30	cu. m.	@	160.00	118,128.00	
IV.	Substructure/Ground Floor						
A.	Formworks						592,389.76
1.0	column footing	24.96	sq. m.	@	716.00	17,871.36	
2.0	footing beam	97.60	sq. m.	@	716.00	69,881.60	
3.0	column	288.00	sq. m.	@	716.00	206,208.00	
4.0	tie beam	139.20	sq. m.	@	716.00	99,667.20	
5.0	ground floor beam	139.20	sq. m.	@	716.00	99,667.20	
6.0	stairs	46.40	sq. m.	@	716.00	33,222.40	
7.0	elevator shaft	92.00	sq. m.	@	716.00	65,872.00	
B.	Reinforcing Bars						1,397,293.74
1.0	column footing	3,858.85	kg	@	41.00	158,212.65	
2.0	footing beam	7,426.05	kg	@	41.00	304,468.14	
3.0	column	6,574.59	kg	@	41.00	269,558.30	
4.0	tie beam	3,590.53	kg	@	41.00	147,211.80	
5.0	ground floor beam	3,419.55	kg	@	41.00	140,201.71	
6.0	ground floor slab	2,196.50	kg	@	41.00	90,056.33	
7.0	chb laying	1,732.39	kg	@	41.00	71,027.95	
8.0	stairs	588.05	kg	@	41.00	24,109.93	
9.0	elevator shaft	4,693.83	kg	@	41.00	192,446.93	
C.	Concreting						1,086,985.87
1.0	column footing	54.21	cu. m.	@	4,520.00	245,007.50	
2.0	footing beam	10.28	cu. m.	@	4,520.00	46,472.83	
3.0	column	48.99	cu. m.	@	4,520.00	221,429.38	
4.0	tie beam	11.49	cu. m.	@	4,520.00	51,940.22	
5.0	ground floor beam	11.49	cu. m.	@	4,520.00	51,940.22	
6.0	ground floor slab	84.42	cu. m.	@	4,520.00	381,578.40	
7.0	stairs	10.68	cu. m.	@	4,520.00	48,295.30	
8.0	elevator shaft	8.92	cu. m.	@	4,520.00	40,322.02	

Item No.	Description	Quantity	Unit	@	Unit Cost	Sub-Total	Total Cost
	D. Masonry Works						3,487,276.80
	1.0 CHB	937.44	sq. m.	@	1,240.00	1,162,425.60	
	2.0 Plastering	1,874.88	sq. m.	@	1,240.00	2,324,851.20	
V.	Second Floor						
	A. Formworks						585,137.29
	1.0 beam	588.67	sq. m.	@	726.80	427,844.98	
	2.0 column	127.01	sq. m.	@	726.80	92,309.41	
	3.0 stairs	43.55	sq. m.	@	726.80	31,648.94	
	4.0 elevator shaft	45.86	sq. m.	@	726.80	33,333.96	
	B. Reinforcing Bars						970,011.40
	1.0 beam	15,746.64	kg	@	42.60	670,806.86	
	2.0 suspended slab	1,445.46	kg	@	42.60	61,576.39	
	3.0 column	2,301.11	kg	@	42.60	98,027.18	
	4.0 stairs	257.27	kg	@	42.60	10,959.73	
	5.0 elevator shaft	3,019.75	kg	@	42.60	128,641.24	
	C. Steel deck	407.40	sq. m.	@	696.00	283,550.40	283,550.40
	D. Concreting						769,524.07
	1.0 beam & slab	138.09	cu. m.	@	4,571.00	631,191.89	
	2.0 column	19.05	cu. m.	@	4,571.00	87,083.04	
	3.0 stairs	6.01	cu. m.	@	4,571.00	27,462.57	
	4.0 elevator shaft	5.20	cu. m.	@	4,571.00	23,786.57	
	E. Masonry Works						3,819,175.92
	1.0 CHB	1,016.82	sq. m.	@	1,252.00	1,273,058.64	
	2.0 Plastering	2,033.64	sq. m.	@	1,252.00	2,546,117.28	
VI.	Third Floor						
	A. Formworks						593,832.23
	1.0 beam	588.67	sq. m.	@	737.60	434,202.61	
	2.0 column	127.01	sq. m.	@	737.60	93,681.10	
	3.0 stairs	43.55	sq. m.	@	737.60	32,119.23	
	4.0 elevator shaft	45.86	sq. m.	@	737.60	33,829.29	
	B. Reinforcing Bars						983,673.53
	1.0 beam	15,746.64	kg	@	43.20	680,254.85	
	2.0 suspended slab	1,445.46	kg	@	43.20	62,443.66	
	3.0 column	2,301.11	kg	@	43.20	99,407.84	
	4.0 stairs	257.27	kg	@	43.20	11,114.09	
	5.0 elevator shaft	3,019.75	kg	@	43.20	130,453.09	
	C. Steel deck	407.40	sq. m.	@	717.60	292,350.24	292,350.24
	D. Concreting						778,109.87
	1.0 beam & slab	138.09	cu. m.	@	4,622.00	638,234.29	
	2.0 column	19.05	cu. m.	@	4,622.00	88,054.65	
	3.0 stairs	6.01	cu. m.	@	4,622.00	27,768.98	
	4.0 elevator shaft	5.20	cu. m.	@	4,622.00	24,051.96	
	E. Masonry Works						3,855,781.44
	1.0 CHB	1,016.82	sq. m.	@	1,264.00	1,285,260.48	
	2.0 Plastering	2,033.64	sq. m.	@	1,264.00	2,570,520.96	

Item No.	Description	Quantity	Unit	@	Unit Cost	Sub-Total	Total Cost
VII.	Fourth Floor						
	A. Formworks						602,527.17
	1.0 beam	588.67	sq. m.	@	748.40	440,560.24	
	2.0 column	127.01	sq. m.	@	748.40	95,052.79	
	3.0 stairs	43.55	sq. m.	@	748.40	32,589.53	
	4.0 elevator shaft	45.86	sq. m.	@	748.40	34,324.62	
	B. Reinforcing Bars						997,335.67
	1.0 beam	15,746.64	kg	@	43.80	689,702.83	
	2.0 suspended slab	1,445.46	kg	@	43.80	63,310.94	
	3.0 column	2,301.11	kg	@	43.80	100,788.51	
	4.0 stairs	257.27	kg	@	43.80	11,268.45	
	5.0 elevator shaft	3,019.75	kg	@	43.80	132,264.94	
	C. Steel deck	407.40	sq. m.	@	825.00	336,105.00	336,105.00
	D. Concreting						826,190.40
	1.0 beam & slab	138.09	cu. m.	@	4,907.60	677,671.70	
	2.0 column	19.05	cu. m.	@	4,907.60	93,495.67	
	3.0 stairs	6.01	cu. m.	@	4,907.60	29,484.86	
	4.0 elevator shaft	5.20	cu. m.	@	4,907.60	25,538.17	
	E. Masonry Works						3,892,386.96
	1.0 CHB	1,016.82	sq. m.	@	1,276.00	1,297,462.32	
	2.0 Plastering	2,033.64	sq. m.	@	1,276.00	2,594,924.64	
VIII.	Roof Deck						
	A. Formworks						496,114.03
	1.0 beam	588.67	sq. m.	@	759.20	446,917.87	
	2.0 column	28.00	sq. m.	@	759.20	21,257.60	
	3.0 elevator shaft	36.80	sq. m.	@	759.20	27,938.56	
	B. Reinforcing Bars						783,930.63
	1.0 beam	15,746.64	kg	@	44.40	699,150.82	
	2.0 slab	1,445.46	kg	@	44.40	64,178.21	
	3.0 column	464.00	kg	@	44.40	20,601.60	
	4.0 elevator shaft	2,400.00	kg	@	44.40	106,560.00	
	C. Steel deck	407.40	sq. m.	@	840.00	342,216.00	342,216.00
	D. Concreting						759,679.69
	1.0 beam & slab	138.09	cu. m.	@	4,968.80	686,122.57	
	2.0 column	9.60	cu. m.	@	4,968.80	47,700.48	
	3.0 elevator shaft	5.20	cu. m.	@	4,968.80	25,856.64	
	E. Masonry Works						772,800.00
	1.0 CHB	200.00	sq. m.	@	1,288.00	257,600.00	
	2.0 Plastering	400.00	sq. m.	@	1,288.00	515,200.00	
IX.	Stair Cover						995,360.00
	A. Roof Trusses	203.20	sq. m.	@	3,000.00	609,600.00	
	B. Roofing Sheet	203.20	sq. m.	@	1,800.00	365,760.00	
	C. Accessories	1.00	lot	@	20,000.00	20,000.00	

Item No.	Description	Quantity	Unit	@	Unit Cost	Sub-Total	Total Cost
X.	Doors & Windows						885,086.00
	A. Doors						
	1.0 oil stained solid panel door	5.00	units	@	17,000.00	85,000.00	
	2.0 1/4" thk aluminum frame sliding	2.00	units	@	11,716.00	23,432.00	
	3.0 pvc door w/ louvers	19.00	units	@	1,600.00	30,400.00	
	4.0 painted finish flush door	32.00	units	@	1,800.00	57,600.00	
	5.0 oil stained solid panel door	1.00	units	@	8,000.00	8,000.00	
	6.0 1/4" thk aluminum frame sliding	5.00	units	@	5,200.00	26,000.00	
	B. Windows						
	1.0 1/4" thk aluminum framed	42.00	units	@	12,500.00	525,000.00	
	2.0 1/4" thk aluminum framed awning	18.0	units	@	2,232.00	40,176.00	
	3.0 1/4" thk aluminum framed sliding	2.00	units	@	4,464.00	8,928.00	
	4.0 1/4" thk aluminum framed sliding	9.00	units	@	8,950.00	80,550.00	
XI.	Railings						955,500.00
	A. Stair 1	180	l.m.	@	2,450.00	441,000.00	
	B. Stair 2	210	l.m.	@	2,450.00	514,500.00	
XII.	Tile Works						7,335,546.35
	A. Ground floor						
	1.0 Cafeteria	244.5	sq. m.	@	1,827.00	446,701.50	
	2.0 kitchen	55.9	sq. m.	@	1,827.00	102,129.30	
	3.0 porch	21.0	sq. m.	@	1,827.00	38,367.00	
	4.0 hallway	79.5	sq. m.	@	1,827.00	145,246.50	
	5.0 storage	5.8	sq. m.	@	1,827.00	10,596.60	
	6.0 locker room	104.0	sq. m.	@	1,827.00	190,008.00	
	7.0 Cr. Floor and wall(1.8m height)	143.0	sq. m.	@	1,827.00	261,261.00	
	B. Second Floor						
	1.0 hallway w/ locker room	141.0	sq. m.	@	1,890.95	266,566.52	
	2.0 science lab-general academics	333.5	sq. m.	@	1,890.95	630,630.16	
	3.0 faculty	11.7	sq. m.	@	1,890.95	22,124.06	
	4.0 hallway near stairs	89.9	sq. m.	@	1,890.95	169,995.96	
	5.0 A & D lab and arts & Design	61.8	sq. m.	@	1,890.95	116,860.40	
	6.0 C.r floor and wall (1.8m height)	177.6	sq. m.	@	1,890.95	335,831.83	
	C. Third Floor						
	1.0 hallway w/ locker room	141.0	sq. m.	@	1,957.13	275,896.34	
	2.0 audio room-general academics	333.5	sq. m.	@	1,957.13	652,702.21	
	3.0 faculty	11.7	sq. m.	@	1,957.13	22,898.40	
	4.0 hallway near stairs	89.9	sq. m.	@	1,957.13	175,945.81	
	5.0 A & D lab and arts & Design	61.8	sq. m.	@	1,957.13	120,950.52	
	6.0 C.r floor and wall (1.8m height)	177.6	sq. m.	@	1,957.13	347,585.95	
	D. Fourth Floor						
	1.0 Art gallery & Visitor Lounge	97.0	sq. m.	@	2,025.63	196,485.87	
	2.0 lobby	120.5	sq. m.	@	2,025.63	244,088.12	
	3.0 balcony portion	28.3	sq. m.	@	2,025.63	57,244.23	
	4.0 Multi purpose hall w/ back stage	247.2	sq. m.	@	2,025.63	500,735.13	
	5.0 hallway w/ locker room	141.0	sq. m.	@	2,025.63	285,552.72	
	6.0 Cr floor and wall(1.8m height)	83.0	sq. m.	@	2,025.63	168,127.09	
	E. Deck						
	Open deck	658.1	sq. m.	@	2,096.52	1,379,617.96	
	Cr floor and walls(1.8m height)	81.8	sq. m.	@	2,096.52	171,397.17	

Item No.	Description	Quantity	Unit	@	Unit Cost	Sub-Total	Total Cost
XIII.	Ceiling Works						4,294,897.18
	A. Ground floor						
	1.0 Cafeteria	244.5	sq. m.	@	1,359.00	332,275.50	
	2.0 kitchen	55.9	sq. m.	@	1,359.00	75,968.10	
	3.0 porch	21.0	sq. m.	@	1,359.00	28,539.00	
	4.0 hallway	79.5	sq. m.	@	1,359.00	108,040.50	
	5.0 locker room	104.0	sq. m.	@	1,359.00	141,336.00	
	6.0 CR	143.0	sq. m.	@	1,359.00	194,337.00	
	B. Second Floor						
	1.0 hallway w/ locker room	141.0	sq. m.	@	1,406.57	198,283.47	
	2.0 science lab-general academics	333.5	sq. m.	@	1,406.57	469,089.43	
	3.0 faculty	11.7	sq. m.	@	1,406.57	16,456.81	
	4.0 hallway near stairs	89.9	sq. m.	@	1,406.57	126,450.19	
	5.0 A & D lab and arts & Design	61.8	sq. m.	@	1,406.57	86,925.72	
	6.0 CR	177.6	sq. m.	@	1,406.57	249,805.94	
	C. Third Floor						
	1.0 hallway w/ locker room	141.0	sq. m.	@	1,455.79	205,223.39	
	2.0 audio room-general academics	333.5	sq. m.	@	1,455.79	485,507.56	
	3.0 faculty	11.7	sq. m.	@	1,455.79	17,032.80	
	4.0 hallway near stairs	89.9	sq. m.	@	1,455.79	130,875.95	
	5.0 A & D lab and arts & Design	61.8	sq. m.	@	1,455.79	89,968.12	
	6.0 CR	177.6	sq. m.	@	1,455.79	258,549.15	
	D. Fourth Floor						
	1.0 Art gallery & Visitor Lounge	97.0	sq. m.	@	1,506.75	146,154.52	
	2.0 lobby	120.5	sq. m.	@	1,506.75	181,563.08	
	3.0 balcony portion	28.3	sq. m.	@	1,506.75	42,580.69	
	4.0 Multi purpose hall w/ back stage	247.2	sq. m.	@	1,506.75	372,468.00	
	5.0 hallway w/ locker room	141.0	sq. m.	@	1,506.75	212,406.21	
	6.0 Cr	83.0	sq. m.	@	1,506.75	125,060.05	
XIV.	Painting Works						8,010,523.66
	A. Wall						
	1.0 Ground Floor	1,874.9	sq. m.	@	600.00	1,124,928.00	
	2.0 Second Floor	2033.64	sq. m.	@	660.00	1,342,202.40	
	3.0 Third Floor	2033.64	sq. m.	@	726.00	1,476,422.64	
	4.0 Fourth Floor	2033.64	sq. m.	@	798.60	1,624,064.90	
	5.0 Deck	400	sq. m.	@	878.46	351,384.00	
	B. Ceiling						
	1.0 Ground Floor	647.9	sq. m.	@	600.00	388,740.00	
	2.0 Second Floor	815.47	sq. m.	@	660.00	538,210.20	
	3.0 Third Floor	815.47	sq. m.	@	726.00	592,031.22	
	4.0 Fourth Floor	716.93	sq. m.	@	798.60	572,540.30	
XI.	Sanitary Fixtures						436,523.85
	A. Faucet						
	B. faucet(slope sink)	6.00	sets	@	810.00	4,860.00	
	C. Water closet	51.00	sets	@	4,725.00	240,975.00	
	D. Urinals	19.00	sets	@	4,455.00	84,645.00	
	E. Lavatory w/ faucet	37.00	sets	@	2,866.05	106,043.85	

Item No.	Description	Quantity	Unit	@	Unit Cost	Sub-Total	Total Cost
XVI.	Water Lines & Fittings						143,452.00
A.	Gate Valves	129.00	units	@	810.00	104,490.00	
B.	Elbow 90°						
	(65 mm Ø) Blue	7.0	units	@	65.00	455.00	
	(25 mm Ø) Blue	15.0	units	@	35.00	525.00	
	(20 mm Ø) Blue	5.0	units	@	30.00	150.00	
C.	Tee						
	(25 mm Ø) Blue	15.0	units	@	20.00	300.00	
	(20 mm Ø) Blue	2.0	units	@	15.00	30.00	
	(65 mm Ø) Blue	1.0	units	@	60.00	60.00	
D.	Blue Pipe						
	(65 mm Ø) Blue	15.0	units	@	198.00	2,970.00	
	(50 mm Ø) Blue	2.0	units	@	175.00	350.00	
	(40 mm Ø) Blue	62.0	units	@	150.00	9,300.00	
	(25 mm Ø) Blue	36.0	units	@	95.00	3,420.00	
	(20 mm Ø) Blue	17.0	units	@	71.00	1,207.00	
	(15 mm Ø) Blue	3.0	units	@	65.00	195.00	
E.	Consumables & Miscellaneous	1.00	lot		20,000.00	20,000.00	
XVII.	Sanitary Lines						174,325.00
A.	Floor Drain	39.00	pcs	@	85.00	3,315.00	
B.	Clean Outs	18.00	pcs	@	64.00	1,152.00	
C.	Elbow 90°	34.00	pcs	@	52.00	1,768.00	
D.	Elbow 45°	82.00	pcs	@	45.00	3,690.00	
E.	Tee (100mm)	25.00	pcs	@	150.00	3,750.00	
F.	Wye (100mm)	6.00	pcs	@	125.00	750.00	
G.	PVC sanitary pipe	123.00	pcs	@	1,300.00	159,900.00	
XVIII.	Electrical Works	1.00	lot	@	2,504,326.00	2,504,326.00	2,504,326.00
XVIII.	Mechanical Works	1.00	lot	@	5,648,902.00	5,648,902.00	5,648,902.00

61,548,712.04

CONTINGENCIES (3%) **1,846,461.36**

PROFIT (10%) **6,154,871.20**

VAT (12%) **7,385,845.45**

TOTAL ARCHITECTURAL COST 76,935,890.05

Prepared by:



Engr. Makev ERic L. Yturralde
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