

Project: **Ducting Works (Supply Air Ducts)**
Location: **SM City , Mabolo, Cebu City**
Item: **Mechanical Works**

Item	Description	Qty	Unit	Material Cost	Total Material Cost	Total Labor	Total Price
Preliminaries						-	
1	Mobilization	1	lot			-	10,000.00
2					Sub-total for Mobilization	PHP	10,000.00
Ducting						-	
A - Main Duct						-	
3	GI Steel Plate - Gauge 22 (0.7 mm) (4'X8')	3	Plate	800.00	2,400.00	360.00	2,760.00
B - Branches					-	-	-
4	GI Steel Plate - Gauge 24 (0.6 mm) (4'X8')	3	Plate	780.00	2,340.00	351.00	2,691.00
5					-	-	-
C - Insulation					-	-	-
6	Sealant Vulcaseal	1	Gallon	1,920.00	1,920.00	288.00	2,208.00
7	Styro Foam (1" thick)	4	Plate	300.00	1,200.00	180.00	1,380.00
8	Plastic Strap	1	roll	90.00	90.00	13.50	103.50
D - Support & Hanger					-	-	-
9	Tie Wire # 16	0.5	kilo	150.00	75.00	11.25	86.25
10	Blind Rivet	1	pack	200.00	200.00	30.00	230.00
11	Bottom Head Tek Screw	1	pack	200.00	200.00	30.00	230.00
12	Angle Bar (38x38x3 mm)	1	length	350.00	350.00	52.50	402.50
13	Angle Bar (25x25x3 mm)	2	length	300.00	600.00	90.00	690.00
14	Full Threaded Bar (8' - 3/8" Diameter)	10	length	210.00	2,100.00	315.00	2,415.00
15	Hex Nut (3/8" Diameter)	20	pcs.	10.00	200.00	30.00	230.00
16	Grip Anchor (3/8")	15	pcs.	40.00	600.00	90.00	690.00
17	Coupling Long Nut (3/8")	5	pcs.	45.00	225.00	33.75	258.75
E - Accessories					-	-	-
18	Manual Volume Damper (300 x 200)	1	pcs.	1,300.00	1,300.00	195.00	1,495.00
19	Diffuser (Square Ceiling - 4 Way) (300 x 300)	2	pcs.	1,250.00	2,500.00	375.00	2,875.00
20	Oppose Blade Volume Damper(200 x 200)	2	pcs.	1,000.00	2,000.00	300.00	2,300.00
21	Return Air Grills (400 x 150)	1	pcs.	950.00	950.00	142.50	1,092.50
F - Consumables					-	-	-
22	Cutting Disk (4" Diameter)	2	pcs.	150.00	300.00	45.00	345.00
23	Metal Drill Bit (1/8" Diameter)	2	pcs.	120.00	240.00	36.00	276.00
24	Metal Drill Bit (3/8" Diameter)	1	pcs.	400.00	400.00	60.00	460.00
25	Concrete Drill Bit (1/8" Diameter)	2	pcs.	130.00	260.00	39.00	299.00
26	Concrete Drill Bit (3/8" Diameter)	1	pcs.	420.00	420.00	63.00	483.00
27	Gypsum Screw (2")	1	pack	120.00	120.00	18.00	138.00
28	Screw Bit	2	pcs.	90.00	180.00	27.00	207.00
29	Wood (1" x 0.5")	1	lenght	150.00	150.00	22.50	172.50
30	Hacksaw Blade	1	pcs.	70.00	70.00	10.50	80.50
31	Concrete Nail (2")	20	pcs.	5.00	100.00	15.00	115.00
32	Marker - Permanent (Black)	2	pcs.	85.00	170.00	25.50	195.50
33	Nylon (0.05 mm Diameter)	15	meter	2.00	30.00	4.50	34.50
34	Water (25 Liters /Gallon)	2	Gallon	30.00	60.00	9.00	69.00
Rentals					-	-	-
35	Multi-purpose Ladder	1	lot	1,500.00	1,500.00	225.00	1,725.00
36	H - Ladder Scaffolding Ladder (2 Sets)	1	lot	5,000.00	5,000.00	750.00	5,750.00
PPE					-	-	-
37	Safety Glooves	3	pcs.	50.00	150.00	22.50	172.50
38	Safety Googles	2	pcs.	95.00	190.00	28.50	218.50
39					-	-	-
					Sub-total for Ducting Works	PHP	32,878.50
Testing and Commisioning						-	-
G - Light Testing						-	-
40	100 Watts Light Bulb	1	pcs.	400.00	400.00	60.00	460.00
41	Fee for SM Engineer's Supervision	1	Lot	500.00	500.00	75.00	575.00
H - Tapping Permit					-	-	-
42	Fee for SM Engineer's Supervision	1	Lot	500.00	500.00	75.00	575.00
I - Air Balancing					-	-	-
43	Rentals for Balometer for 2 Diffusers	1	Lot	12,000.00	12,000.00	1,800.00	13,800.00
44	Fee for SM Engineer's Supervision	1	lot	500.00	500.00	75.00	575.00
Clean - Up Works					Sub-total for Testing and Commissioning	PHP	15,985.00
45	Broom Stick	1	pcs.	35	35.00	5.25	40.25
46	Garbage Bag	1	pack	90.00	90.00	13.50	103.50
					Sub-total for Clean up Works	PHP	143.75
					TOTAL:	PHP	59,007.25

Contingency Plan (30% from Total Cost)	17,702.18
Profit and Supervision	23,012.83
Vat (12 %)	9,205.13
Grand Total:	PHP 108,927.38

Prepared by:

Project Engineer

Lighting and Power

circcuit	length	multiplier	total length	projected going to panel
lpp:3.3 - c8	72	3	216	324
lpp:3.3 - c10	73	3	219	329
lpp3:3 - c9	57	3	171	257
lpp:3.3 - c7	44	3	132	198
lpp:3.3 - c6	68	3	204	306
lpp:3.3 - c5	37	3	111	167
lpp:3.3 - c4	53	3	159	239
lpp:3.3 - c2	28	3	84	126
lpp3.3 - c1	56	3	168	252
cop1.2 - c1	38	3	114	171
cop1.2 - c2	20	3	60	90
cop1.2 - c3	38	3	114	171
cop1.2 - c4	22	3	66	99
cop1.2 - c5	20	3	60	90
cop1.2 - c6	26	3	78	117
cop1.2 - c8	26	3	78	117
cop1.2 - c7	20	3	60	90
lpp3.1 - c9	38	3	114	171
lpp3.1 - c10	55	3	165	248
lpp3.3 - c1	6	3	18	27
lpp3.2 - c14	33	3	99	149
lpp3.2 - c13	24	3	72	108
lpp3.2 - c12	33	3	99	149
lpp3.2 - c11	33	3	99	149
lpp3.2 - c10	33	3	99	149
lpp3.2 - c9	32	3	96	144
				4433

lpp3.1 - c11

54

3

	4core cable		
mpp3.1	117	1	
mpp3.3	441	1	
	175		
PP1.1	8.0mm2 x 2	5.5mm2 x2	3.5mm2 x 1
	30		30
	28		28
		26	26
		24	24
		22	22
		20	20
		18	18
		16	16
	20		20
			60
		15	15
	78	141	279
Total	156	282	279

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