

CONSTRUCTION ESTIMATE BREAKDOWN

LOGO		ABC											
		MIAMI, FL											
DATE	30/10/2024	SCOPE: MECHANICAL AND HVAC WORKS											
		ITEMS			QUANTITY			MATERIAL		LABOR		TOTALS	
SR #	CSI SECT./ DETAILS#	DESCRIPTION	U.O.M	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT MATERIAL COST	TOTAL MATERIAL COST	UNIT LABOR COST	TOTAL LABOR COST	TOTAL ITEM COST	TOTAL TRADE COST	
BASE BID													
	DIV.01	GENERAL CONDITIONS										\$	6,000
1		PERMITS, SITESUPERVISION, FINAL CLEANUP AND DUMPSTER	LS	1	0%	1		\$ -	\$ 6,000.0	\$ 6,000	\$ 6,000		
	DIV.23	HEATING, VENTILATION AND AIR CONDITIONING (HVAC)										\$	74,861
		DUCTS											
		ROUND DUCTS											
2	M100-M102	8"DIA FRESH AIR INTAKE DUCT - SNAPLOCK INSULATED W/ R-6 FOILFACED WRAP, DUCTED TO WALL CAP W/ BACK DRAFT DAMPER & WIRE MESH SCREEN. NOTE: PROVIDE ACCESSIBLE VOLUME DAMPER NEW CONNECTIONS.	LF	14	10%	16	\$ 2.3	\$ 36	\$ 3.5	\$ 55	\$ 91		
3		10"DIA KITCHEN EXHAUST DUCT -NON COMBUSTIBLE METAL DUCT WORK W/ BACKDRAFT DAMPPER AND WIRE MESH SCREEN.	LF	3	10%	3	\$ 2.9	\$ 10	\$ 4.4	\$ 15	\$ 24		
4		4"DIA EXHAUST AIR DUCT - SNAPLOCK INSULATED W/ R-6 FOILFACED WRAP, DUCTED TO WALL CAP W/ BACK DRAFT DAMPER & WIRE MESH SCREEN.	LF	10	10%	11	\$ 1.2	\$ 13	\$ 1.8	\$ 19	\$ 32		
5		6"DIA EXHAUST AIR DUCT - SNAPLOCK INSULATED W/ R-6 FOILFACED WRAP, DUCTED TO WALL CAP W/ BACK DRAFT DAMPER & WIRE MESH SCREEN.	LF	7	10%	8	\$ 1.8	\$ 14	\$ 2.6	\$ 20	\$ 34		
6		4"DIA METAL DRYER EXHAUST DUCT.	LF	7	10%	8	\$ 1.2	\$ 9	\$ 1.8	\$ 14	\$ 23		
		RECTANGULAR DUCTS											
7	M100-M102	24"x5" DUCT- SHEET METAL INTERNALLY LINED W/ R-6 FIBROUS GLASS DUCT LINER W/ VAPOR BARRIER AND AIR STREAM SURFACE TREATMENT.	LF	16.1	10%	18	\$ 5.6	\$ 99	\$ 8.4	\$ 149	\$ 248		
8		32"x5" DUCT- SHEET METAL INTERNALLY LINED W/ R-6 FIBROUS GLASS DUCT LINER W/ VAPOR BARRIER AND AIR STREAM SURFACE TREATMENT.	LF	11.0	10%	12	\$ 7.5	\$ 90	\$ 11.2	\$ 136	\$ 226		
9		34"x8" DUCT- SHEET METAL INTERNALLY LINED W/ R-6 FIBROUS GLASS DUCT LINER W/ VAPOR BARRIER AND AIR STREAM SURFACE TREATMENT.	LF	46.5	10%	51	\$ 12.7	\$ 649	\$ 19.1	\$ 974	\$ 1,623		
10		36"x5" DUCT- SHEET METAL INTERNALLY LINED W/ R-6 FIBROUS GLASS DUCT LINER W/ VAPOR BARRIER AND AIR STREAM SURFACE TREATMENT.	LF	2.0	10%	2	\$ 8.4	\$ 18	\$ 12.6	\$ 28	\$ 46		
11		68"x5" DUCT- SHEET METAL INTERNALLY LINED W/ R-6 FIBROUS GLASS DUCT LINER W/ VAPOR BARRIER AND AIR STREAM SURFACE TREATMENT.	LF	1.2	10%	1	\$ 15.9	\$ 21	\$ 23.8	\$ 31	\$ 52		

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		NOTE: -ALL DUCT DIMENISONS SHOWN ARE CLEAR INSIDE DIMENSIONS. ADD 3" TO EACH DIMENSION TO ALLOW FOR INSULATION. -PROVIDE MANUAL VOLUME DAMPERS.										
		DIFFUSERS										
12	M100-M102	S-1: SUPPLY AIR DIFFUSER CFM: 500 SIZE: 56"x5" SPECS: -PRICE LBP-CORE 16A, W/ DUAL LAYER PATTERN CONTROLLER (DPC) FOR BALANCING, COORDINATE BORDER AND COLOR W/ ARCHITECT. -PROVIDE W/ BLADE DAMPERS.	EA	1	0%	1	\$ 203.3	\$ 203	\$ 27.5	\$ 27	\$ 231	
13		S-1: SUPPLY AIR DIFFUSER CFM: 200 SIZE: 24"x5" SPECS: -PRICE LBP-CORE 16A, W/ DUAL LAYER PATTERN CONTROLLER (DPC) FOR BALANCING, COORDINATE BORDER AND COLOR W/ ARCHITECT. -PROVIDE W/ BLADE DAMPERS.	EA	10	0%	10	\$ 87.1	\$ 871	\$ 11.8	\$ 118	\$ 989	
14		S-1: SUPPLY AIR DIFFUSER CFM: 150 SIZE: 24"x5" SPECS: -PRICE LBP-CORE 16A, W/ DUAL LAYER PATTERN CONTROLLER (DPC) FOR BALANCING, COORDINATE BORDER AND COLOR W/ ARCHITECT. -PROVIDE W/ BLADE DAMPERS.	EA	1	0%	1	\$ 87.1	\$ 87	\$ 11.8	\$ 12	\$ 99	
15		S-1: SUPPLY AIR DIFFUSER CFM: 250 SIZE: 32"x5" SPECS: -PRICE LBP-CORE 16A, W/ DUAL LAYER PATTERN CONTROLLER (DPC) FOR BALANCING, COORDINATE BORDER AND COLOR W/ ARCHITECT. -PROVIDE W/ BLADE DAMPERS.	EA	4	0%	4	\$ 116.2	\$ 465	\$ 15.7	\$ 63	\$ 527	

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16		S-1: SUPPLY AIR DIFFUSER CFM: 300 SIZE: 32"x5" SPECS: -PRICE LBP-CORE 16A, W/ DUAL LAYER PATTERN CONTROLLER (DPC) FOR BALANCING, COORDINATE BORDER AND COLOR W/ ARCHITECT. -PROVIDE W/ BLADE DAMPERS.	EA	1	0%	1	\$ 116.2	\$ 116	\$ 15.7	\$ 16	\$ 132	
17		S-1: SUPPLY AIR DIFFUSER CFM: 300 SIZE: 36"x5" SPECS: -PRICE LBP-CORE 16A, W/ DUAL LAYER PATTERN CONTROLLER (DPC) FOR BALANCING, COORDINATE BORDER AND COLOR W/ ARCHITECT. -PROVIDE W/ BLADE DAMPERS.	EA	1	0%	1	\$ 103.2	\$ 103	\$ 17.6	\$ 18	\$ 121	
18		S-2: SUPPLY AIR DIFFUSER CFM: 50 SIZE: 6"x6" SPECS: -TITUS 300FL, DOUBLE DEFLECTION, PROVIDE FACE OPERABLE OPPOSED BLADE DAMPER.	EA	2	0%	2	\$ 167.7	\$ 335	\$ 23.8	\$ 48	\$ 383	
19		S-2: SUPPLY AIR DIFFUSER CFM: 250 SIZE: 14"x14" SPECS: -TITUS 300FL, DOUBLE DEFLECTION, PROVIDE FACE OPERABLE OPPOSED BLADE DAMPER.	EA	1	0%	1	\$ 197.0	\$ 197	\$ 31.8	\$ 32	\$ 229	
		REGISTERS										
20		R-1: REGISTER CFM: 200 CFM SIZE: 32"x5" SPECS: -PRICE LBP-CORE 16A, COORDINATE BORDER AND COLOR W/ ARCHITECT.	EA	7	0%	7	\$ 41.5	\$ 291	\$ 23.4	\$ 164	\$ 454	
21		R-1: REGISTER CFM: 250 CFM SIZE: 36"x5" SPECS: -PRICE LBP-CORE 16A, COORDINATE BORDER AND COLOR W/ ARCHITECT.	EA	2	0%	2	\$ 46.7	\$ 93	\$ 26.3	\$ 53	\$ 146	

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22	M100-M102	R-1: REGISTER CFM: 500 CFM SIZE: 68"x5" SPECS: -PRICE LBP-CORE 16A, COORDINATE BORDER AND COLOR W/ ARCHITECT.	EA	1	0%	1	\$ 88.2	\$ 88	\$ 49.7	\$ 50	\$ 138	
23		R-2: REGISTER CFM: 500 CFM SIZE: 14"x14" SPECS: -TITUS 350 FL. COORDINATE BORDER AND COLOR W/ ARCHITECT.	EA	1	0%	1	\$ 50.9	\$ 51	\$ 28.6	\$ 29	\$ 79	
24		R-2: REGISTER CFM: 50 CFM SIZE: 6"x6" SPECS: -TITUS 350 FL. COORDINATE BORDER AND COLOR W/ ARCHITECT.	EA	1	0%	1	\$ 28.8	\$ 29	\$ 14.6	\$ 15	\$ 43	
25		R-2: REGISTER CFM: 300 CFM SIZE: 30"x6" SPECS: -TITUS 350 FL. COORDINATE BORDER AND COLOR W/ ARCHITECT.	EA	2	0%	2	\$ 46.7	\$ 93	\$ 26.3	\$ 53	\$ 146	
26		R-2: REGISTER CFM: 200 CFM SIZE: 24"x6" SPECS: -TITUS 350 FL. COORDINATE BORDER AND COLOR W/ ARCHITECT.	EA	2	0%	2	\$ 37.4	\$ 75	\$ 21.0	\$ 42	\$ 117	
27		R-2: REGISTER CFM: 250 CFM SIZE: 24"x6" SPECS: -TITUS 350 FL. COORDINATE BORDER AND COLOR W/ ARCHITECT.	EA	6	0%	6	\$ 37.4	\$ 224	\$ 21.0	\$ 126	\$ 350	
28		R-2: REGISTER CFM: 700 CFM SIZE: 14"x14" SPECS: -TITUS 350 FL. COORDINATE BORDER AND COLOR W/ ARCHITECT.	EA	2	0%	2	\$ 50.9	\$ 102	\$ 28.6	\$ 57	\$ 159	

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29		R-2: REGISTER CFM: 250 CFM SIZE: 10"x10" SPECS: -TITUS 350 FL. COORIDINATE BORDER AND COLOR W/ ARCHITECT.	EA	1	0%	1	\$ 26.0	\$ 26	\$ 14.6	\$ 15	\$ 41	
		EXHAUST FAN										
30	M100-M102	EF-A: EXHAUST FAN MFR: GREENHECK MODEL: SE1-8-440-VG AIR FLOW: 50 CFM ACCESSORIES: BS-BDD	EA	7	0%	7	\$ 456.5	\$ 3,196	\$ 59.6	\$ 417	\$ 3,613	
31		EF-B: EXHAUST FAN MFR: GREENHECK MODEL: SP-A90 AIR FLOW: 74 CFM ACCESSORIES: BS-BDD	EA	3	0%	3	\$ 222.2	\$ 667	\$ 59.6	\$ 179	\$ 845	
		DAMPERS										
32		MOTORIZED CLASS I LEAKAGE RATED DAMPER ON TOILET EXHAUST FAN.	EA	10	0%	10	\$ 62.1	\$ 621	\$ 21.0	\$ 210	\$ 832	
		DEHUMIDIFIER UNIT										
33	M101-M102	DEHU: DEHUMIDIFIER UNIT MODEL: 98H	EA	1	0%	1	\$ 2,186.7	\$ 2,187	\$ 113.8	\$ 114	\$ 2,300	
34		DEHU: DEHUMIDIFIER UNIT MODEL: 70H	EA	1	0%	1	\$ 1,742.3	\$ 1,742	\$ 113.8	\$ 114	\$ 1,856	
		FAN COIL UNIT										
35		FCU-1: FAN COIL UNIT MODEL: PEAD-A24AA8 VOLT: 1/240/60 SIZE: 44"W x 29"D x 10"H FULL CFM: 700 NOM TON: 2.0	EA	1	0%	1	\$ 2,368.5	\$ 2,368	\$ 135.5	\$ 135	\$ 2,504	
36		FCU-2: FAN COIL UNIT MODEL: PEAD-A24AA8 VOLT: 1/240/60 SIZE: 44"W x 29"D x 10"H FULL CFM: 700 NOM TON: 2.0	EA	1	0%	1	\$ 2,368.5	\$ 2,368	\$ 135.5	\$ 135	\$ 2,504	

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37	M100-M102	FCU-3A: FAN COIL UNIT MODEL: PEAD-A12AA8 VOLT: 1/240/60 SIZE: 36"W x 29"D x 10"H FULL CFM: 450 NOM TON: 1.0	EA	1	0%	1	\$ 1,444.3	\$ 1,444	\$ 118.2	\$ 118	\$ 1,562	
38		FCU-3B: FAN COIL UNIT MODEL: PEAD-A12AA8 VOLT: 1/240/60 SIZE: 36"W x 29"D x 10"H FULL CFM: 450 NOM TON: 1.0	EA	1	0%	1	\$ 1,444.3	\$ 1,444	\$ 118.2	\$ 118	\$ 1,562	
39		FCU-3C: FAN COIL UNIT MODEL: PEAD-A12AA8 VOLT: 1/240/60 SIZE: 36"W x 29"D x 10"H FULL CFM: 450 NOM TON: 1.0	EA	1	0%	1	\$ 1,444.3	\$ 1,444	\$ 118.2	\$ 118	\$ 1,562	
40		FCU-3D: FAN COIL UNIT MODEL: PEAD-A12AA8 VOLT: 1/240/60 SIZE: 36"W x 29"D x 10"H FULL CFM: 450 NOM TON: 1.0	EA	1	0%	1	\$ 1,444.3	\$ 1,444	\$ 118.2	\$ 118	\$ 1,562	
41		FCU-3E: FAN COIL UNIT MODEL: PKA-A12LA1 VOLT: 1/240/60 SIZE: 36"W x 10"D x 12"H FULL CFM: 250 NOM TON: 1.0	EA	1	0%	1	\$ 1,444.3	\$ 1,444	\$ 118.2	\$ 118	\$ 1,562	
42		FCU-4A: FAN COIL UNIT MODEL: PEAD-A24AA8 VOLT: 1/240/60 SIZE: 44"W x 29"D x 10"H FULL CFM: 700 NOM TON: 2.0	EA	1	0%	1	\$ 2,368.5	\$ 2,368	\$ 135.5	\$ 135	\$ 2,504	
43		FCU-4B: FAN COIL UNIT MODEL: PEAD-A24AA8 VOLT: 1/240/60 SIZE: 44"W x 29"D x 10"H FULL CFM: 700 NOM TON: 2.0	EA	1	0%	1	\$ 2,368.5	\$ 2,368	\$ 135.5	\$ 135	\$ 2,504	

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44		FCU-4C: FAN COIL UNIT MODEL: PKA-A12LA1 VOLT: 1/240/60 SIZE: 36"W x 10"D x 12"H FULL CFM: 350 NOM TON: 1.0	EA	1	0%	1	\$ 1,444.3	\$ 1,444	\$ 118.2	\$ 118	\$ 1,562	
		CONDENSATING UNIT										
45	M103	CU-1: CONDENSATING UNIT MODEL: SUZ-KA24NA2 VOLTS: 1/240/60 SIZE: 34"x13"x35" WEIGHT: 129 LBS	EA	1	0%	1	\$ 3,120.9	\$ 3,121	\$ 355.2	\$ 355	\$ 3,476	
46		CU-2: CONDENSATING UNIT MODEL: SUZ-KA24NA2 VOLTS: 1/240/60 SIZE: 34"x13"x35" WEIGHT: 129 LBS	EA	1	0%	1	\$ 3,120.9	\$ 3,121	\$ 355.2	\$ 355	\$ 3,476	
47		CU-3: CONDENSATING UNIT MODEL: MXZ-SM60NAM2 VOLTS: 1/240/60 SIZE: 42"x13"x53" WEIGHT: 302 LBS	EA	1	0%	1	\$ 6,100.4	\$ 6,100	\$ 1,420.9	\$ 1,421	\$ 7,521	
48		CU-4: CONDENSATING UNIT MODEL: MXZ-SM60NAM2 VOLTS: 1/240/60 SIZE: 42"x13"x53" WEIGHT: 302 LBS	EA	1	0%	1	\$ 6,100.4	\$ 6,100	\$ 1,420.9	\$ 1,421	\$ 7,521	
		EXHAUST HOOD										
49	M-101	MIN. 28 GA. METAL RESIDENTIAL TYPE HOOD -MECHANICALLY EXHAUSTED TO EXTERIOR.	EA	1	0%	1	\$ 464.6	\$ 465	\$ 116.9	\$ 117	\$ 581	
		REFRIGERANT AND CONDENSATING LINE										
		CONDENSATE PIPING										
50		3/4"DIA CONDENSATE LINE PIPE MATERIAL: INSULATED COPPER TUBBING NOTE: -PIPING SHALL BE INSULATION W/ 3/4" CLOSED CEL FLEXIBLE ELASTROMETRIC W/ FLAME SPREAD AND SMOKE DEVELOPED RATINGS OF NO GREATED THAN 25/50. -VERIFY PIPE MATERIAL.	LF	198	10%	218	\$ 6.2	\$ 1,358	\$ 11.1	\$ 2,428	\$ 3,786	

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	M100-M103											
		REFRIGERANT PIPING										
51		3/4"DIA REFRIGERANT LINE PIPE MATERIAL: INSULATED COPPER TUBBING NOTE: -PIPING SHALL BE INSULATION W/ 3/4" CLOSED CEL FLEXIBLE ELASTROMETRIC W/ FLAME SPREAD AND SMOKE DEVELOPED RATINGS OF NO GREATED THAN 25/50. -VERIFY PIPE MATERIAL.	LF	288	10%	316	\$ 6.2	\$ 1,968	\$ 11.1	\$ 3,519	\$ 5,487	
		ALLOWANCE										
52		ALLOWANCE PROVIDED FOR MISC. BENDS, FITTINGS AND HANGING ETC.	EA	1	0%	1	\$ 350.0	\$ 350	\$ 520.0	\$ 520	\$ 870	
	MISC											
53	M100-M103	BRB-3: BRANCH BOX PIPING CONNECTION MODEL: PAC-MKA52BC W/ 5 PORT	EA	1	0%	1	\$ 858.5	\$ 859	\$ 138.2	\$ 138	\$ 997	
54		BRB-4: BRANCH BOX PIPING CONNECTION MODEL: PAC-MKA52BC W/ 5 PORT	EA	1	0%	1	\$ 858.5	\$ 859	\$ 138.2	\$ 138	\$ 997	
55		BRANCH BOX PIPING	LF	55	10%	61	\$ 8.4	\$ 515	\$ 8.6	\$ 527	\$ 1,041	
56		PROGRAMBABLE THERMOSTAT W/BATTERY BACKUP BY A/C MFR W/ 2 SPEED AHU CONTROL.	EA	10	0%	10	\$ 252.5	\$ 2,525	\$ 18.3	\$ 183	\$ 2,708	
57		ALUMINIUM ROOF STAND FOR ACCU UNITS.	EA	4	0%	4	\$ 141.4	\$ 566	\$ 53.4	\$ 214	\$ 779	
UNIT LEGENDS SQUARE FEET = SF LINEAR FEET = LF LUMP SUM = LS EACH = EA LOCATION = LOC MATERIAL COST \$ 58,866 LABOR COST \$ 15,995 GENERAL CONDITIONS \$ 6,000								SUB TOTAL		\$ 80,861	\$ 80,861	
								OVERHEAD 15%		\$ 12,129	\$ 12,129	
								PROFIT 10%		\$ 8,086	\$ 8,086	
								INSURANCE 4%		\$ 3,234	\$ 3,234	
								TAXES 7%		\$ 4,121	\$ 4,121	
								CONTINGENCIES 4%		\$ 3,234	\$ 3,234	
TOTAL BID		\$ 111,666	\$ 111,666									