



PROJECT:

ADDRESS:

REV: 0

									MANHOURLY UNIT RATE	\$	115
SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	MATERIAL COST	MANHOURS UNIT RATE	MANHOURS	MANHOURS COST	TOTAL TRADE COST
HVAC ESTIMATE											
FLEXIBLE DUCT											
1	8" Dia Flexible Duct	18	10%	20	LFT	\$ 3.46	\$ 69	\$ 115	2	\$ 260	\$ 328
2	10" Dia Flexible Duct	9	10%	10	LFT	\$ 3.01	\$ 30	\$ 115	1	\$ 101	\$ 131
AIR DEVICES											
1	Supply Air Diffuser, 250 CFM, 10" Dia Neck Size	1	0%	1	EA	\$ 68	\$ 68	\$ 115	1	\$ 58	\$ 126
2	Supply Air Diffuser, 275 CFM, 10" Dia Neck Size	2	0%	2	EA	\$ 68	\$ 136	\$ 115	1	\$ 115	\$ 251
3	Supply Air Diffuser, 125 CFM, 8" Dia Neck Size	2	0%	2	EA	\$ 54	\$ 108	\$ 115	1	\$ 115	\$ 223
4	Supply Air Diffuser, 175 CFM, 8" Dia Neck Size	2	0%	2	EA	\$ 54	\$ 108	\$ 115	1	\$ 115	\$ 223
5	Supply Air Diffuser, 200 CFM, 8" Dia Neck Size	1	0%	1	EA	\$ 54	\$ 54	\$ 115	1	\$ 58	\$ 112
6	Supply Air Diffuser, 200 CFM, 10"x10" Neck Size	1	0%	1	EA	\$ 68	\$ 68	\$ 115	1	\$ 58	\$ 126
7	Return Air Grille, 14"x14" Neck Size	1	0%	1	EA	\$ 31	\$ 31	\$ 115	0.4	\$ 46	\$ 77
8	Transfer Air Grille, 20"x10" Neck Size	1	0%	1	EA	\$ 44	\$ 44	\$ 115	1	\$ 92	\$ 136
9	Transfer Air Grille, 14"x10" Neck Size	2	0%	2	EA	\$ 28	\$ 56	\$ 115	1	\$ 92	\$ 148
10	24"x24" Return Air Grille with Active Carbon Filter	1	0%	1	EA	\$ 59	\$ 59	\$ 115	1	\$ 109	\$ 168
ROOFTOP PACKAGE HEAT PUMP UNIT											
1	RTU-1 Rooftop Package Heat Pump Unit, Manufacturer York, Model# PHE4B6031, Cooling 57500 BTU/HR, 208/230 Volts, 3 Phase, 60 HZ, Weight 530 LBS	1	0%	1	EA	\$ 5,100	\$ 5,100	\$ 115	20	\$ 2,300	\$ 7,400
EXHAUST FAN											
1	EF-1 Exhaust Fan, Make Can Fan, Model# S 600 6" CAN-FAN, 145 CFM, 2659 RPM, 120 Volts, 1 Phase, 60 HZ, Motor Power 75 Watt, Weight 12 Lbs	2	0%	2	EA	\$ 136	\$ 272	\$ 115	3	\$ 345	\$ 617
AIR PURIFIER/ODOR CONTROLLER & FILTER											
1	APF-1 Air Purifier/Odor Controller & Filter, Manufacturer Agriair, Model# Agriair 1000-3 HO, 300-650 CFM, 115 Volts, 1 Phase, 60 HZ, 3 AMP, Plated Carbon Filter 16"x24"x1", MERV II Plated Filter 16"x24"x1", Dimension 14"x20"x27", Weight 40 LBS, With Variable Speed Blower	2	0%	2	EA	\$ 3,491	\$ 6,982	\$ 115	16	\$ 1,840	\$ 8,822
ACTIVE CARBON FILTER											
1	FLT-1 Active Carbon Filter, Manufacturer CAN-FILTERS, Model# CAN 33, 200 CFM, Round Filter Outside Dimension 12"x13", Filter Weight 25.3 LBS, Carbon Weight 16.5 LBS, Carbon Depth 2"	2	0%	2	EA	\$ 146	\$ 292	\$ 115	2	\$ 219	\$ 510
2	FLT-2 Active Carbon Filter, Manufacturer Flanders, Model# FCP301, Square Filter 24"x24"x4"	1	0%	1	EA	\$ 78	\$ 78	\$ 115	1	\$ 86	\$ 164

DUCT SMOKE DETECTOR											
1	16"x14" Smoke Detector	1	0%	1	EA	\$ 54	\$ 54	\$ 115	1	\$ 58	\$ 112
2	RTU Duct Smoke Detector	1	0%	1	EA	\$ 120	\$ 120	\$ 115	2	\$ 173	\$ 293
VOLUME DAMPER											
1	8" Dia Volume Damper	6	0%	6	EA	\$ 38	\$ 228	\$ 115	3	\$ 345	\$ 573
2	10" Dia Volume Damper	3	0%	3	EA	\$ 40	\$ 120	\$ 115	2	\$ 173	\$ 293
BACKDRAFT DAMPER											
1	6" Dia Backdraft Damper	2	0%	2	EA	\$ 127	\$ 254	\$ 115	2	\$ 173	\$ 427
THERMOSTAT											
1	Thermostat	1	0%	1	EA	\$ 48	\$ 48	\$ 115	1	\$ 58	\$ 106
EXHAUST DUCT CAP											
1	6" Dia Exhaust Duct Cap	2	0%	2	EA	\$ 137	\$ 274	\$ 115	2	\$ 173	\$ 446
CONDENSATE DRAIN PIPE											
Type "M" Copper											
1	1" Dia Condensate Drain Pipe (Assumed)	20	10%	22	LFT	\$ 5.01	\$ 110	\$ 115	1	\$ 127	\$ 237
CONDENSATE DRAIN PIPE INSULATION											
1" Condensation Drain Pipe with Closed Cell Elastomeric Thermal Insulation (ASSUMED)											
1	1" Dia Condensate Drain Pipe Insulation	20	10%	22	LFT	\$ 2.05	\$ 45	\$ 115	1	\$ 101	\$ 146
CONDENSATE DRAIN PIPE FITTING											
ELBOWS 90 DEGREE											
1	1" Dia Elbow	3	0%	3	EA	\$ 18.11	\$ 54	\$ 115	2	\$ 173	\$ 227
TEE											
1	1" Dia Tee	1	0%	1	EA	\$ 41.52	\$ 42	\$ 115	1	\$ 86	\$ 128
DUCT INSULATION											
1	1 1/2" Thick Fire Retardant Fiberglass with a Reinforced Aluminum Foil Jacket (Assumed)	1166	0%	1166	SF	\$ 1.12	\$ 1,306	\$ 115	23	\$ 2,682	\$ 3,988
DUCT WEIGHT											
1	Galvanized Steel Duct Weight	1378	0%	1378	LB	\$ 3.25	\$ 4,479	\$ 115	69	\$ 7,924	\$ 12,402
DUCT SUPPORT											
1	3/8" Threaded Rod	18	0%	18	EA	\$ 2.8	\$ 50	\$ 115	3	\$ 311	\$ 361
2	1" x 22 Ga. Strap	18	0%	18	EA	\$ 7.8	\$ 140	\$ 115	4	\$ 414	\$ 554
3	2"x18 Ga. Band Clamp	5	0%	5	EA	\$ 12.9	\$ 64	\$ 115	2	\$ 230	\$ 294

			TOTAL MATERIAL COST		\$	20,942
			TOTAL MANHOURS' COST		\$	19,204
			TOTAL COST		\$	40,145
			OVERHEADS & PROFIT	25%	\$	10,036
			TOTAL BID		\$	50,182
SCOPE OF ESTIMATE:						
I	SUPPLY & INSTALLATION					
1	Supply & Return Duct w/ Fittings					
2	Exhaust Duct w/ Fittings					
3	Flexible Duct					
4	Air Devices					
5	Rooftop Unit					
6	Exhaust Fan					
7	Air Purifier					
8	Carbon Filter					
9	Dampers					
10	Condensate Drain					
11	Insulation					
12	Duct Support					
II	NOTES					
1	Pricing and manhours are calculated from PHCC database.					