**HVAC** 

SCOPE:

**MESTIMATION** 

**CLIENT'S INFORMATION:** 

CONTACT: E-MAIL ADDRESS:

www.usaestimation.com info@usaestimation.com

PHONE NUMBER:

Date: 08/28/2023 QUANTITY UNIT LABOR DWG.# DESCRIPTION MATERIAL **TOTAL COST** TRADE COST ITEM# **UNIT COST GENERAL REQUIREMENTS** 1 Supervision 1 15 \$0 \$0 Permits 2 1 LS \$0 \$0 3 Final Clean-up 1 LS \$0 \$0 4 **Mobilization Costs** 1 LS \$0 \$0 **Project Overheads** LS \$0 \$0 1 6 Bonds 1 LS \$0 \$0 Temporary Control & Facilities 1 LS \$0 \$0 Subtotal (General Requirements) **DIVISION 23- HEATING, VENTILATING & AIR-CONDITIONING** M-1.1 Main Mechanical Plan Main Mechanical Plan Air Conditioner (AC-3) 8 Manufacturer: AAON 1 EΑ \$2,000 \$500 \$2,500 \$2,500 RN-015-30 EB09-2F2 Air Conditioner (AC-10) 9 Manufacturer: AAON 1 EΑ \$2,000 \$500 \$2,500 \$2,500 RN-030-30 EB09-2C2 Air Conditioner (AC-12) 10 Manufacturer: AAON 1 EΑ \$2,000 \$500 \$2,500 \$2,500 RN-030-30 EB09-2C2 Air Conditioner (AC-8) 1 EΑ \$2,000 \$500 \$2,500 \$2,500 11 Manufacturer: AAON RN-030-30 EB09-2C2 Air Conditioner (AC-9) 12 1 EΑ \$2,000 \$500 \$2,500 \$2,500 Manufacturer: AAON RN-030-30 EB09-2C2 Air Conditioner (AC-7) 13 Manufacturer: AAON 1 EΑ \$2,000 \$500 \$2,500 \$2,500 RN-030-30 EB09-2C2 Air Conditioner (AC-11) 1 EΑ \$2,000 \$500 \$2,500 \$2,500 14 Manufacturer: AAON RN-030-30 EB09-2C2 Air Conditioner (AC-13) 1 EΑ \$2,000 \$500 \$2,500 \$2,500 Manufacturer: AAON 15 RN-030-30 EB09-2C2 Air Conditioner (AC-14) Manufacturer: AAON 1 \$2,000 \$500 \$2,500 16 EΑ \$2,500 RN-030-30 EB09-2C2 Air Conditioner (AC-15) 17 1 \$500 \$2,500 Manufacturer: AAON EΑ \$2,000 \$2,500 RN-030-30 EB09-2C2 AC-16 Future 1 EΑ \$2,000 \$500 \$2,500 \$2,500 18 \$2,000 \$500 \$2,500 AC-17 Future 1 EΑ \$2,500 19 \$2,000 20 AC-18 Future EΑ \$500 \$2,500 \$2,500 1 AC-19 Future EΑ \$2,000 \$500 \$2,500 \$2,500 21 1 \$500 22 AC-28 Future 1 EΑ \$2,000 \$2,500 \$2,500 Air Conditioner (AC-35) 23 1 EΑ \$2,000 \$500 \$2,500 \$2,500 Manufacturer: Sterling GG075 Gravity Ventilator (GV-1) 24 1 EΑ \$4,000 \$1,000 \$5,000 \$5,000 Manufacturer: Cook GI 48X48GI Elect: 120V Gravity Ventilator (GV-2) 25 1 EΑ \$4,000 \$1,000 \$5,000 \$5,000 Manufacturer: Cook GI 24X24GI Elect: 120V Exhaust Fan (EF-2) Manufacture: Cook ACE-D 180C10D 26 1 EΑ \$230 \$120 \$350 \$350 Elect: 3/4HP 120V Exhaust Fan (EF-30) 27 Manufacturer: Cook ACRU-B 402R1OB 1 EΑ \$230 \$120 \$350 \$350 Elect: 1/8HP 208V Exhaust Fan (EF-31) 28 Manufacturer: Cook ACRU-B 402R1OB 1 EΑ \$230 \$120 \$350 \$350 Elect: 1/8HP 208V Control Panel (FCP-1) 1 \$900 \$400 29 Manufacturer: Micro Thermo EΑ \$1,300 \$1,300 Elect: 208V Unit Heater (UH-3) 30 1 EΑ \$1,500 \$500 \$2,000 \$2,000 Manufacturer: Sterling GG075 Unit Heater (UH-8) 1 EΑ \$1,500 \$500 \$2,000 \$2,000 31 Manufacturer: Sterling XC200

**MESTIMATION** 

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SCOPE:		HVAC	VIAII	$\mathbf{O}$	V		-MAIL ADDRESS: PHONE NUMBER:	info@usaes	timation.com
							Date:	08/28/2023	
ITEM #	DWG.#	DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	UNIT COST	TOTAL COST	TRADE COST
32		Unit Heater (UH-9) Manufacturer: Sterling XC200	1	EA	\$1,500	\$500	\$2,000	\$2,000	
33		Unit Heater (UH-10) Manufacturer: Sterling XC200	1	EA	\$1,500	\$500	\$2,000	\$2,000	
34		Unit Heater (UH-11) Manufacturer: Sterling XC200	1	EA	\$1,500	\$500	\$2,000	\$2,000	
35		Air Door (AD-1) Manufacturer: Power Aire ETD-2-96E	1	EA	\$1,500	\$500	\$2,000	\$2,000	
36		Air Door (AD-2) Manufacturer: Power Aire ETD-2-96E	1	EA	\$1,500	\$500	\$2,000	\$2,000	
37		Air Door (AD-3) Manufacturer: Power Aire ETD-3-120E	1	EA	\$1,500	\$500	\$2,000	\$2,000	
38		Air Door (AD-4) Manufacturer: Power Aire TIG 2-84-FI-AVD	1	EA	\$1,500	\$500	\$2,000	\$2,000	
39		Air Door (AD-5) Manufacturer: Power Aire ETD-2-96E	1	EA	\$1,500	\$500	\$2,000	\$2,000	
40		Air Door (AD-6) Manufacturer: Power Aire TIG 3-120-FI-AVD	1	EA	\$1,500	\$500	\$2,000	\$2,000	
41		Ceiling Fan (CF-1) Manufacturer: SERCO Elect: 208V/1.5HP	1	EA	\$230	\$120	\$350	\$350	
42		Ceiling Fan (CF-2) Manufacturer: SERCO Elect: 208V/1.5HP	1	EA	\$230	\$120	\$350	\$350	
43		Ceiling Fan (CF-3) Manufacturer: Macroair Airlite Elect: 120V/3/4HP	1	EA	\$230	\$120	\$350	\$350	
44		Ceiling Fan (CF-6) Manufacturer: Macroair Airius Air Pear A-25-SP Elect: 120V/0.32 FLA 35 Watts	1	EA	\$230	\$120	\$350	\$350	
45		Ceiling Fan (CF-7) Manufacturer: Macroair Airius Air Pear A-25-SP Elect: 120V/0.32 FLA 35 Watts	1	EA	\$230	\$120	\$350	\$350	
46		Ceiling Fan (CF-8) Manufacturer: Macroair Airius Air Pear A-25-SP Elect: 120V/0.32 FLA 35 Watts	1	EA	\$230	\$120	\$350	\$350	
47		Ceiling Fan (CF-9) Manufacturer: Macroair Airius Air Pear A-25-SP Elect: 120V/0.32 FLA 35 Watts	1	EA	\$230	\$120	\$350	\$350	
48		Ceiling Fan (CF-10) Manufacturer: Macroair Airius Air Pear A-25-SP Elect: 120V/0.32 FLA 35 Watts	1	EA	\$230	\$120	\$350	\$350	
49		Ceiling Fan (CF-11) Manufacturer: Macroair Airius Air Pear A-25-SP Elect: 120V/0.32 FLA 35 Watts	1	EA	\$230	\$120	\$350	\$350	
50		Ceiling Fan (CF-12) Manufacturer: Macroair Airius Air Pear A-25-SP Elect: 120V/0.32 FLA 35 Watts	1	EA	\$230	\$120	\$350	\$350	
51		Ceiling Fan (CF-13) Manufacturer: Macroair Airius Air Pear A-25-SP Elect: 120V/0.32 FLA 35 Watts	1	EA	\$230	\$120	\$350	\$350	
52		Ceiling Fan (CF-14) Manufacturer: Macroair Airius Air Pear A-25-SP Elect: 120V/0.32 FLA 35 Watts	1	EA	\$230	\$120	\$350	\$350	
53		Infrared Heater (RH-1) Manufacturer: RG Vantage CTH3-80	1	EA	\$1,500	\$500	\$2,000	\$2,000	
54		Infrared Heater (RH-2) Manufacturer: RG Vantage CTH3-150	1	EA	\$1,500	\$500	\$2,000	\$2,000	
55		Infrared Heater (RH-3) Manufacturer: RG Vantage CTH3-150	1	EA	\$1,500	\$500	\$2,000	\$2,000	
56		Infrared Heater (RH-4) Manufacturer: RG Vantage CTH3-150	1	EA	\$1,500	\$500	\$2,000	\$2,000	
57		Infrared Heater (RH-5) Manufacturer: RG Vantage CTH3-80	1	EA	\$1,500	\$500	\$2,000	\$2,000	
58		Infrared Heater (RH-6) Manufacturer: RG Vantage CTH3-80	1	EA	\$1,500	\$500	\$2,000	\$2,000	
59		Air Conditioner (CU-1) Manufacturer: LG LMU600HV	1	EA	\$2,000	\$500	\$2,500	\$2,500	
60		Air Conditioner (CU-2) Manufacturer: LG LMU600HV	1	EA	\$2,000	\$500	\$2,500	\$2,500	
61		Air Conditioner (CU-3) Manufacturer: LG LMU600HV	1	EA	\$2,000	\$500	\$2,500	\$2,500	
62		Air Conditioner (CU-4) Manufacturer: LG LMU600HV	1	EA	\$2,000	\$500	\$2,500	\$2,500	
		•	•	•	•				

SCOPE:

PROJECT ID:

**HVAC** 

**MESTIMATION** 

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Date: 08/28/2023 LABOR DWG.# DESCRIPTION QUANTITY UNIT MATERIAL TRADE COST ITEM# **UNIT COST TOTAL COST** Pull Station Ventilation Override (PS) \$90 \$60 \$150 \$300 63 EΑ Thermostat EΑ \$90 \$60 \$150 \$300 64 65 Leak Sensor and Coil Status by Refrigeration Contractor EΑ \$150 \$100 \$250 \$250 Time Switch (TS-1) 66 Manufacturer: Tork EW101B 1 EΑ \$60 \$40 \$100 \$100 Elect: 120V \$1,000 Install Curb and Cap for Future AC unit \$150 \$100 \$250 67 4 EΑ 9 \$40 \$900 68 Switch EΑ \$60 \$100 Thermostat (W/Locking Cover) 4 \$90 \$60 \$150 \$600 69 EΑ 1 1/4" Condensate Drain 1172 \$7 \$10 \$11,718 70 LF \$3 1 1/2" Condensate Drain 111 LF \$7 \$3 \$10 \$1,114 71 2" Condensate Drain 102 LF \$8 \$4 \$12 \$1,229 72 1" Condensate Drain \$7 73 15 LF \$3 \$10 \$152 M-1.2 HVAC Control Network **HVAC Controls Network Diagram** \$250 EΑ \$150 \$100 \$250 74 Data Logger 1 CO2 Sensor 2 EΑ \$150 \$100 \$250 \$500 75 76 **RH/Temperature Sensor** 1 EΑ \$150 \$100 \$250 \$250 77 Sensor 13 EΑ \$150 \$100 \$250 \$3,250 78 Humidistat Sensor EΑ \$150 \$100 \$250 \$1,250 5 79 Repeater MT P/N: 962-3810 11 EΑ \$150 \$100 \$250 \$2,750 80 Universal Input Panel EΑ \$900 \$400 \$1,300 \$1,300 1 \$40 \$100 \$100 CT Switch MT P/N: 140-0001 EΑ \$60 81 1 82 **Differential Pressure Transmitter** 1 EΑ \$150 \$100 \$250 \$250 Router MT P/N: 220-0030, Router Base MT P/N: 220-0026 83 1 EΑ \$350 \$100 \$450 \$450 Scheduler Note: Piggy Back Applied To Alarm Board MT P/N: 950-3968 Air Door Proof Fan And Heating Status 84 1 FΑ \$230 \$120 \$350 \$350 Connect To Universal Input Panel, Interlock With Pizza Hood. 85 \$500 Set O/A Damper To 50% When Hood Running 1 FΑ \$3.000 \$3,500 \$3.500 CT Switch MT P/N: 140-0001 **Provide Weather Station** 86 1 EΑ \$350 \$100 \$450 \$450 To Protect From Direct Sunlight and Wind Sensor (By Others) Connected 87 1 EΑ \$0 \$0 To Building Security System Network Cable Bilden 8471 16/2 Twisted Pair, 1287 88 LF Ś3 \$2 \$5 \$6,433 Tinned, Non-Shilded M-2.1 Enlarged Mechanical Plans Food Service & Restroom HVAC Plan Exhaust Fan (EF-1) 89 Manufacturer: Cook ACE-D 150C13D 1 EΑ \$230 \$120 \$350 \$350 Elect: 3/4 HP 120V Exhaust Fan (EF-32) Manufacturer: Poweraire Quad-S 1 EΑ \$230 \$120 \$350 \$350 90 Elect: 2.3 FLA 15 MOCP 120V Exhaust Fan (EF-33) Manufacturer: Poweraire Quad-S 1 EΑ \$230 \$120 \$350 \$350 91 Elect: 2.3 FLA 15 MOCP 120V Air Damper Products 1 EΑ \$120 \$80 \$200 \$200 92 Model: BCDR (BC3) Volume Damper With Remote Cable Adjustment Damper Controller Installed In Ceiling With Cover Plate 93 1 EΑ \$120 \$80 \$200 \$200 10/10 Exhaust Grille-1 Manufacturer: Tuttle & Bailey 1 EΑ \$230 \$120 \$350 \$350 94 Model: CRE500 10/10 Relief Vent Above Ceiling \$230 \$120 \$350 EΑ \$350 95 1 18/18 Exhaust Grill-1 2 EΑ \$230 \$120 \$350 \$700 96 Manufacturer: Tuttle & Bailey Model: CRE500 Time Switch (TS-1) \$120 97 Manufacturer: Tork EW101B 1 EΑ \$230 \$350 \$350 Elect: 120V 24/24 Exhaust Grille-1 98 Manufacturer: Tuttle & Bailey 2 EΑ \$230 \$120 \$350 \$700 Model: CRE500 Ceiling Diffuser 99 Manufacturer: Tuttle & Bailey 2 EΑ \$230 \$120 \$350 \$700 Model: SQD

HVAC

SCOPE:

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PHONE NUMBER:

		Date: 08/28/2023								
December	ITEM#	DWG.#	DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	UNIT COST	TOTAL COST	TRADE COST
Inter-Vision 2007   1			Supply Fan (SF-6)	1						
Section	100			1	EA	\$230	\$120	\$350	\$350	
Parts Dever Rehmart Hood (H-8)	101		,	2	FΛ	\$120	ŚŖŊ	\$200	\$600	
Model Schwick Tar (NEF 2)   Model Debug Tar (NEF 2)   Model ATO)   M	101			3	LA	\$120	,56U	3200	3000	
Hood schalar Fe (NET-3)	102		Manufacturer: Captiveaire	1	EA	\$3,000	\$500	\$3,500	\$3,500	
Manufacture Captionairs Care (1800)   1			i							
106	103			1	EA	\$230	\$120	\$350	\$350	
To Provide and Install Low Voltage Wring to Hood Control	104		· '	1	EA	\$150	\$100	\$250	\$250	
Manufacturer: Capithesiane Room Temp, Sensor   1			i i			7-00	7-00	7	7-22	
107   16 Dia At Hord DIO CEM   1	105		1	1	EA	\$150	\$100	\$250	\$250	
Manufacturer Captiveater MM	106			1	FA	\$400	\$150	\$550	\$550	
100							-		·	
110	_									
111	109		14" Dia Duct	11	LF		\$10			
112	_									
133										
1316	-							•		
Fresh Line HVAC Plan			' '							
116			Fresh Line HVAC Plan					·	·	
116	115			1	EA	\$230	\$120	\$350	\$350	
117	116		, ,	1	EA	\$230	\$120	\$350	\$350	
117										
18	117		1	1	EA	\$230	\$120	\$350	\$350	
118			•							
Model: A7D0	110		I	1	ГА	ćaao	ć120	Ć2FO	Ć2FO	
11/2/12 Ceiling Diffuser-4   Manufacturer: Tuttle & Bailey   1	118		·	1	EA	\$230	\$120	\$350	\$350	
19				+						
Transfer Fan (TF-21)	119		I -	1	EA	\$230	\$120	\$350	\$350	
120   Manufacturer: Cook SQN-D 90SQN15D   1   EA   \$230   \$120   \$350   \$350   \$350   \$350   \$200   \$250			Model: SQD							
Elect: 1/6HP/120V			1			4	4	****	*	
Exhaust Fan (EF-7)	120			1	ŁΑ	\$230	\$120	\$350	\$350	
121   Manufacturer: Cook ACE-D 90C15DH   1   EA   \$230   \$120   \$350   \$350   \$350   \$350   \$120   \$250			, - , -							
12/12 Exhaust Grille-3   Manufacturer: Tuttle & Bailey   1   EA   \$230   \$120   \$350	121		1	1	EA	\$230	\$120	\$350	\$350	
122   Manufacturer: Tuttle & Bailey   1										
Model: CT70DFB-SS	422			1	F.4	6220	6420	¢250	6250	
123	122		·	1	EA	\$230	\$120	\$350	\$350	
Manufacturer: Captiveaire Casre 180D   1	100					4000	4400	4050	4050	
124   Manufacturer: Captiveaire Casre 18DD	123		Manufacturer: Captiveaire Casre 18DD	1	EA	\$230	\$120	\$350	\$350	
Manufacturer: Captiveaire Casre 18DD	124		l · · · · · · · · · · · · · · · · · · ·	1	EA	\$230	\$120	\$350	\$350	
125   Manufacturer: Captiveaire HMI   1							·	·	•	
126   Room Sensor (HRS)   Manufacturer: Captiveaire Room Temp, Sensor   1   EA   \$150   \$100   \$25	125		,	1	EA	\$400	\$150	\$550	\$550	
Manufacturer: Captiveaire Room Temp, Sensor	126		Room Sensor (HRS)	1	FΛ	\$150	\$100	\$250	\$250	
127   Manufacturer: Captiveaire SC-EMS2011   1	120			1	LA	\$130	\$100	\$230	\$230	
Factory Installed Hood Temp. Sensor. M.C.   To Provide and Install Low Voltage Wiring   1	127		1	1	EA	\$400	\$150	\$550	\$550	
To Provide and Install Low Voltage Wiring			'							
Rotisserie Oven Hood (H-1,2)   Manufacturer: Captiveaire   Model: 7830ND,   Provide Stainless Steel Filler At   All Openings Around Hood And Between Hood	128		1 '	1	EA	\$150	\$100	\$250	\$250	
Manufacturer: Captiveaire										
129   Model: 7830ND,   8   EA   \$3,000   \$500   \$3,500   \$28,000			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
Provide Stainless Steel Filler At   All Openings Around Hood And Between Hood   130   Make-Up Air Unit (MAU-1)   1   EA   \$6,000   \$1,000   \$7,000   \$7,000   \$7,000   \$1,00	120		1	0	EΛ	¢2.000	¢E00	¢3 E00	\$28,000	
All Openings Around Hood And Between Hood	129		1	•	EA	\$5,000	\$500	\$5,500	\$28,000	
130   Make-Up Air Unit (MAU-1)   1   EA   \$6,000   \$1,000   \$7,000   \$7,000   \$7,000   \$1,0										
Manufacturer: Captiveaire A3-D.500 G18-MPU	120			1	ΕΛ	\$6,000	\$1,000	\$7,000	\$7,000	
131     Manufacturer: Tuttle & Bailey     1     EA     \$230     \$120     \$350     \$350       Model: CRE500     12/12 Exhaust Grille-3     1     EA     \$230     \$120     \$350     \$350       Manufacturer: Tuttle & Bailey     1     EA     \$230     \$120     \$350     \$350	130			1	LA	30,000	000,15	000,7چ	000,75	
Model: CRE500	121			1	ΕA	6220	\$120	ĊZEO	ĊZEO	
12/12 Exhaust Grille-3 132 Manufacturer: Tuttle & Bailey 1 EA \$230 \$120 \$350 \$350	131		1	1	EA	\$23U	\$12U	\$35U	\$35U	
132 Manufacturer: Tuttle & Bailey 1 EA \$230 \$120 \$350 \$350										
Model: CT70DFB-SS	132		I	1	EA	\$230	\$120	\$350	\$350	
			Model: CT70DFB-SS							

HVAC

SCOPE:

**MESTIMATION** 

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Date:	08/28/2023

ITEM#	DWG.#	DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	UNIT COST	TOTAL COST	TRADE COST
133		Exhaust Fan (EF-23) Manufacturer: Cook ACE-D90C15DH	1	EA	\$230	\$120	\$350	\$350	
		Elect: 1/8HP 120V							
134		Exhaust Fan (EF-6) Manufacturer: Cook ACE-D 135C10D Elect: 1/6HP 120V	1	EA	\$230	\$120	\$350	\$350	
		16/16 Exhaust Grille-3							
135		Manufacturer: Tuttle & Bailey	1	EA	\$230	\$120	\$350	\$350	
		Model: CT70DFB-SS							
136		Kitchen Exhaust Fan (KEF-10)  Manufacturer: Captiveaire DU85HFA	1	EA	\$230	\$120	\$350	\$350	
137		Kitchen Exhaust Fan (KEF-9) Manufacturer: Captiveaire DU85HFA	1	EA	\$230	\$120	\$350	\$350	
138		Kitchen Exhaust Fan (KEF-8) Manufacturer: Captiveaire DU85HFA	1	EA	\$230	\$120	\$350	\$350	
139		Kitchen Exhaust Fan (KEF-14)	1	EA	\$230	\$120	\$350	\$350	
		Manufacturer: Captiveaire SIFI 13DD  Kitchen Exhaust Fan (KEF-15)	_		4000		-		
140		Manufacturer: Captiveaire SIFI 13DD	1	EA	\$230	\$120	\$350	\$350	
141		24/24 Exhaust Grille-3 Manufacturer: Tuttle & Bailey	2	EA	\$230	\$120	\$350	\$700	
		Model: CT70DFB-SS							
142		Capped Curb For Future Oven Exhaust Fan KEF-11	1	EA	\$150	\$100	\$250	\$250	
143		Kitchen Exhaust Fan (KEF-17) Manufacturer: Captiveaire SIFI 13DD	1	EA	\$230	\$120	\$350	\$350	
144		Kitchen Exhaust Fan (KEF-16)	1	EA	\$230	\$120	\$350	\$350	
145		Manufacturer: Captiveaire SIFI 13DD  24/20 Door Grille	1	EA	\$230	\$120	\$350	\$350	
146		Sensor	1	EA	\$150	\$100	\$250	\$250	
147		18/18 Duct	1	EA	\$230	\$120	\$350	\$350	
148		Thermostat	1	EA	\$90	\$60	\$150	\$150	
149		Switch	1	EA	\$60	\$40	\$100	\$100	
150		Exhaust Fan 8/8 Aluminum Duct Up to Unit Roof (H: 10'-0")	10	LF	\$20	\$10	\$30	\$300	
151		12/24 Supply Duct DN To Hood 740 CFM (H: 10'-0")	80	LF	\$22	\$10	\$32	\$2,560	
152		Exhaust Fan 18" Dia Duct Up to Unit on Roof (H: 14'-0")	28	LF LF	\$20	\$10	\$30	\$840	
153 154		Exhaust Fan 8/8 Duct Up to Unit on Roof (H: 10'-0")  12/24 Duct DN To Hood 740 CFM (H: 10'-0")	10 10	LF LF	\$20 \$22	\$10 \$10	\$30 \$32	\$300 \$320	
155		12/12 Duct Exhaust Fan Up to Unit (H:10'-0")	10	LF	\$22	\$10	\$32	\$320	
156		8" Dia CPVC Steam Vent Up To Roof (H: 14'-0")	14	LF	\$18	\$10	\$28	\$392	
157		Exhaust Fan 12/12 Duct Up To Unit On Roof (H: 10'-0")	10	LF	\$20	\$10	\$30	\$300	
158		Make Up Air 24/24 SA Duct Up to Unit on Roof (H: 10'-0")	10	LF	\$20	\$10	\$30	\$300	
159		14/14 Aluminum Duct Up to the Roof (H: 10'-0")	10	LF	\$24	\$10	\$34	\$340	
160		12" Dia Exhaust Duct Up To Roof (H: 14'-0")  Tire Install HVAC Plan	42	LF	\$22	\$10	\$32	\$1,344	
1.51		Infrared Heater (RH-7)	1	ГА	ć2 000	¢E00	¢3 F00	¢2.500	
161		Manufacturer: RG Vantage CTH3-115	1	EA	\$3,000	\$500	\$3,500	\$3,500	
162		Ceiling Fan (CF-3) Manufacturer: Macroair Airlite	1	EA	\$230	\$120	\$350	\$350	
102		Elect: 120V/3/4HP	-		7230	7120	<del>7</del> 330	7330	
		Ceiling Fan (CF-5)							
163		Manufacturer: Macroair Airius Air Pear A-25-SP	1	EA	\$230	\$120	\$350	\$350	
		Elect: 120V/0.32 FLA 35 Watts Infrared Heater (RH-9)							
164		Manufacturer: RG Vantage CTH3-80	1	EA	\$1,500	\$500	\$2,000	\$2,000	
165		Infrared Heater (RH-8) Manufacturer: RG Vantage CTH3-115	1	EA	\$1,500	\$500	\$2,000	\$2,000	
166		Infrared Heater (RH-9)	1	EA	\$1,500	\$500	\$2,000	\$2,000	
		Manufacturer: RG Vantage CTH3-80 Exhaust Fan (EF-3)	_		, =,= 30	,	, =,===	, =,===	
167		Manufacturer: Cook Gemini GC-166	1	EA	\$230	\$120	\$350	\$350	
		Elect: 49 Watts 120V							
168		Roof Cap For EF-3	1	EA	\$150	\$100	\$250	\$250	
169		Receiving HVAC Plan	1	EA		ļ	\$0	\$0	
170		Exhaust Fan (EF-4) Manufacturer: Cook Gemini GC-166 Elect: 49	1	EA	\$230	\$120	\$350	\$350	
		Watts 120V			A	A	*	4	
171		12/6 Door Grill	1	EA	\$230	\$120	\$350	\$350	
172		8" Duct Up to Roof Cap (H:14'-0")	14	LF	\$18	\$10 \$10	\$28	\$392	
173 174		8" Exhaust In Truss (H: 14'-0") 8" Dia Duct	14 15	LF LF	\$18 \$18	\$10 \$10	\$28 \$28	\$392 \$410	
1/4		MR-2.1 Enlarged Mechanical Plan	13	LF	710	ULÇ	۷۷٥		
		Food Service HVAC Plan							
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**MESTIMATION** 

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SCOPE: HVAC Date: 08/28/2023

	Date: 08/28/2023								
ITEM #	DWG.#	DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	UNIT COST	TOTAL COST	TRADE COST
175 176		28/6 Supply Duct DN To Oven Hood 400 CFM Hood and Exhaust By GC.AC	3 4	EA EA	\$230 \$3,000	\$120 \$500	\$350	\$1,050 \$14,000	
		,	4				\$3,500		
177		Supply Duct Up Rotisserie Hood Control (HCC)	4	EA	\$230	\$120	\$350	\$1,400	
178		Manufacturer: Captiveaire SC-EMS2011	1	EA	\$3,000	\$500	\$3,500	\$3,500	
		12" Dia Ceiling Diffuser							
179		Manufacturer: Tuttle & Bailey	8	EA	\$230	\$120	\$350	\$2,800	
1/9		Model: SQD	٥	EA	\$230	\$120	\$550	\$2,600	
		24/24 Exhaust Grille-3							
180		Manufacturer: Tuttle & Bailey	3	EA	\$230	\$120	\$350	\$1,050	
100		Model: CT70DFB-SS	3	LA	7230	7120	<b>7330</b>	71,030	
181		Supply Duct Up	1	EA	\$230	\$120	\$350	\$350	
182		Return Duct Up	1	EA	\$230	\$120	\$350	\$350	
183		Thermostat	1	EA	\$90	\$60	\$150	\$150	
184		Volume Damper	7	EA	\$120	\$80	\$200	\$1,400	
185		50"X20" Dia Duct	9	LF	\$60	\$20	\$80	\$718	
186		45"X20" Dia Duct	10	LF	\$55	\$20	\$75	\$716	
187		28"X24" Dia Duct	30	LF	\$38	\$10	\$48	\$1,451	
188		12" Dia Duct	53	LF	\$22	\$10	\$32	\$1,709	
189		16" Dia Duct	16	LF	\$26	\$10	\$36	\$588	
190		12" Dia Duct	7	LF	\$22	\$10	\$32	\$219	
191		14" Dia Duct	11	LF	\$24	\$10	\$34	\$375	
192		18" Dia Duct	15	LF	\$28	\$10	\$38	\$569	
		Tire Install HVAC Plan							
		ND 12" Dia							
193		Manufacturer: Tuttle & Bailey	1	EA	\$230	\$120	\$350	\$350	
		Model: DJ-DM-SP-SA						<u>                                       </u>	
		Ceiling Diffuser							
194		Manufacturer: Tuttle & Bailey	1	EA	\$230	\$120	\$350	\$350	
		Model: SQD							
195		Thermostat	1	EA	\$90	\$60	\$150	\$150	
196		18/30 Supply Run SA Duct DN To 12'	12	LF	\$28	\$10	\$38	\$456	
		MR-2.1 Enlarged Mechanical Plan							
		Wellness & Office Area HVAC Plan							
		10" Dia Ceiling Diffuser-4							
197		Manufacturer: Tuttle & Bailey	2	EA	\$230	\$120	\$350	\$700	
		Model: SQD							
		12/12 Ceiling Diffuser-4							
198		Manufacturer: Tuttle & Bailey	2	EA	\$230	\$120	\$350	\$700	
		Model: SQD							
		24/24 Return Grille			_				
199		Manufacturer: Tuttle & Bailey	3	EA	\$230	\$120	\$350	\$1,050	
		Model: PR							
200		Mode Control Unit (BDU-11)	1	EA	\$1,000	\$500	\$1,500	\$1,500	
		Manufacturer: LG #PMBD363D							
201		Mode Control Unit (BDU-21)	1	EA	\$1,000	\$500	\$1,500	\$1,500	
<b> </b>		Manufacturer: LG #PMBD3630						<del>                                     </del>	
202		Air Conditioner (IU-112)	1	EA	\$2,000	\$500	\$2,500	\$2,500	
$\vdash$		Manufacturer: LG #LDN097HV4						<del> </del>	
203		Air Conditioner (IU-113)	1	EA	\$2,000	\$500	\$2,500	\$2,500	
		Manufacturer: LG #LDN097HV4 Air Conditioner (IU-211)				-		<del> </del>	
204		1	1	EA	\$2,000	\$500	\$2,500	\$2,500	
<del>                                     </del>		Manufacturer: LG #LDN127HV4 Air Conditioner (IU-111)				-			
205		Manufacturer: LG #LDN127HV4	1	EA	\$2,000	\$500	\$2,500	\$2,500	
<del>     </del>		Air Conditioner (IU-212)						<del>                                     </del>	
206		Manufacturer: LG #LDN097HV4	1	EA	\$2,000	\$500	\$2,500	\$2,500	
200		Service: Hearing	1	LA	72,000	7500	ب2,300	72,300	
<del>     </del>		Air Conditioner (IU-121)						<del>                                     </del>	
207		Manufacturer: LG #LDN097HV4	1	EA	\$2,000	\$500	\$2,500	\$2,500	
207		Service: Hearing	_	LA	72,000	<b>4300</b>	Y2,300	72,300	
208		6" Dia Flex Ducts Connect to Inlet of KIOSK	2	EA	\$230	\$120	\$350	\$700	
		Mode Control Unit (BDU-42)			-		·	·	
209		Manufacturer: LG #PMBD3630	1	EA	\$1,000	\$500	\$1,500	\$1,500	
		Mode Control Unit (BDU-31)	_		4	4	4	A	
210		Manufacturer: LG #PMBD3630	1	EA	\$1,000	\$500	\$1,500	\$1,500	
		24/24 Return Grille with Fire Damper							
211		Manufacturer: Tuttle & Bailey	1	EA	\$230	\$120	\$350	\$350	
		Model: PR			'		<i>'</i>	'	
		Air Conditioner (IU-423)	_		40.05-	4-0-	42	40	
212		Manufacturer: LG #LDN097HV4	1	EA	\$2,000	\$500	\$2,500	\$2,500	
		•	•		•			<u> </u>	

**HVAC** 

SCOPE:

**MESTIMATION** 

CLIENT'S INFORMATION:

E-MAIL ADDRESS:

CONTACT:

Date:

www.usaestimation.com info@usaestimation.com

PHONE NUMBER:

08/28/2023

QUANTITY MATERIAL LABOR DWG.# **DESCRIPTION** UNIT **UNIT COST** TRADE COST ITEM# **TOTAL COST** 16/10 Relief Vent above Ceiling. 213 Provide Three 90 Degree Bends 2 EΑ \$230 \$120 \$350 \$700 With Screened Opening Air Conditioner (IU-313) 1 EΑ \$500 \$2,000 \$2,500 \$2,500 214 Manufacturer: LG #LDN097HV4 Air Conditioner (IU-422) 215 1 EΑ \$2,000 \$500 \$2,500 \$2,500 Manufacturer: LG #LDN097HV4 Air Conditioner (IU-411) 1 EΑ \$2,000 \$500 \$2,500 \$2,500 216 Manufacturer: LG #LDN097HV4 10" Dia Ceiling Diffuser With Fire Damper-4 217 Manufacturer: Tuttle & Bailey 4 EΑ \$230 \$120 \$350 \$1,400 Model: SQD Mode Control Unit (BDU-41) 218 1 EΑ \$1,000 \$500 \$1,500 \$1,500 Manufacturer: LG #PMBD3620 Air Conditioner (IU-312) 219 1 EΑ \$2,000 \$500 \$2,500 \$2,500 Manufacturer: LG #LCN188HV4 Air Conditioner (IU-412) 1 220 EΑ \$500 \$2,500 \$2,500 \$2,000 Manufacturer: LG #LCN188HV4 Air Conditioner (IU-411) 221 1 EΑ \$2,000 \$500 \$2,500 \$2,500 Manufacturer: LG #LCN188HV4 Air Conditioner (IU-311) 222 1 EΑ \$2,000 \$500 \$2,500 \$2,500 Manufacturer: LG #LCN188HV4 Mode Control Unit (BDU-22) 223 1 EΑ \$1,000 \$500 \$1,500 \$1,500 Manufacturer: LG #PMBD3630 Air Conditioner (IU-122) 224 1 EΑ \$2,000 \$500 \$2,500 \$2,500 Manufacturer: LG #LDN097HV4 Air Conditioner (IU-221) 225 1 EΑ \$2,500 \$2,000 \$500 \$2,500 Manufacturer: LG #LDN097HV4 24/24 Return Grille 226 Manufacturer: Tuttle & Bailey 1 EΑ \$230 \$120 \$350 \$350 Model: PR 12/24 Return Grille 227 Manufacturer: Tuttle & Bailey 4 EΑ \$230 \$120 \$350 \$1,400 Model: PR Air Conditioner (IU-223) 1 EΑ \$2,000 \$500 \$2,500 \$2,500 228 Manufacturer: LG #LDN097HV4 Air Conditioner (IU-222) \$2,500 229 1 EΑ \$2.000 \$500 \$2,500 Manufacturer: LG #LDN097HV4 10/10 Ceiling Diffuser-4 230 Manufacturer: Tuttle & Bailey 5 EΑ \$230 \$120 \$350 \$1,750 Model: SQD Air Conditioner (IU-123) 231 1 EΑ \$2,000 \$500 \$2,500 \$2,500 Manufacturer: LG #LDN097HV4 Contractor to Provide and Install Filter Box 2 232 EΑ \$150 \$100 \$250 \$500 Mode Control Unit (BDU-12) 233 1 EΑ \$1,000 \$500 \$1,500 \$1,500 Manufacturer: LG #PMBD3630 Service: Optical \$250 \$500 \$150 \$100 234 14/6 Connection To 20/6 Supply Duct Provide VD 2 EΑ \$250 6/6 Connection to 20/6 Duct EΑ \$150 \$100 \$250 235 1 \$150 \$2,550 236 Thermostat 17 EΑ \$90 \$60 237 Volume Damper 2 EΑ \$120 \$80 \$200 \$400 \$100 \$250 Capped Condensate for Future Connect EΑ \$150 \$250 238 1 3/4" Condensate Drain 346 \$3,112 239 LF \$6 \$3 \$9 Subtotal (Heating, Ventilating & Air-Conditioning) \$331,341

HVAC

SCOPE:

Note:

**ESTIMATION** 

CLIENT'S INFORMATION: CONTACT:

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E-MAIL ADDRESS: info@us
PHONE NUMBER:

Date:

08/28/2023

ITEM# DW	G. # DESCRIPTION		QUANTITY	UNIT	MATERIAL	LABOR	UNIT COST	TOTAL COST	TRADE COST
SUBTOTA									\$331,341.24
OVERHEAI	)	15%							\$49,701.19
INSURANC	E	3%							\$9,940.24
CONTINGEN	CY	5%							\$16,567.06
TOTAL BASE	BID								\$407,549.73