Project ID:

Location: Har

HV Scope:



SR #

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io e:	ID: n: /2/2024	****** Hamilton A HVAC	ve, Suite **** White Plains,NY 10601	Const		TING			
	REF. DWG.	CSI DIVISION	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT COST (Material)	
		1000	GENERAL REQUIREMENTS				1		Ļ
			Supervision and Coordination	LS	1	0%	1	\$O	
			Submittals and Shop Drawings	LS	1	0%	1	\$0	
			Final Cleaning	LS	1	0%	1	\$0	Γ
			Mobilization Costs	LS	1	0%	1	\$0	Γ
			Scaffolding - 20'H	SF	4260	10%	4686	\$0	T
		23000							

UNIT LABOR COST Per Hour \$150

0.00

0.00

0.00

LABOR HRS.	COST LABOR	COST MATERIAL	TOTAL COST (Material+Labor)		
0.00	\$O	\$O	\$0		
0.00	\$0	\$0	\$0		

\$0

\$0

\$0

\$0 \$0 SUBTOTAL

\$0

\$0

\$0

\$0

\$0

	23000 HVAC/MECHANICAL									
	Basement Ducts	'		↓]	·	'	 	+		ļļ
6	(23"x10") Supply Air Oval Duct	LF	85	5%	89	\$20	3.12	\$469	\$1,767	\$2,236
7	(6"x6") Supply Air Oval Duct		15	5%	16	\$20	0.47	\$71	\$139	\$209
	Pipes	,		+ +		Ψ'	,,	Ψ ^ν ·	ψ· · · ·	Ψ207
8	Refrigerant Pipe	LF	30	5%	32	\$10	1.26	\$189	\$329	\$518
9	(3/4" Dia) Condensat Pipe	LF	22	5%	23	\$7	1.29	\$194	\$165	\$359
	HVAC Fixtures		1		í	· · · · ·		<u> </u>	<u> </u>	,
10	Thermostat	EA	1	0%	1	\$121	0.62	\$93	\$121	\$214
11	Destratification Fan Controller	EA	1	0%	1	\$106	0.87	\$131	\$106	\$237
	Fan "OAF-1"				1					
12	Model- SQ 60 VG	EA	1	0%	1	\$624	0.94	\$141	\$624	\$765
	Manuf GREENHECK	'		اا	L'	_ <u>_</u> '	<u> </u>			ı /
	Indoor Fan "FCU-1"				1	Ţ			[]	1 1
'	(60000 Heating BTUH)	· · · ·		1	1	·		÷) 	1
13	(54000 Cooling BTUH)	EA	1	0%	1	\$5,138	2.74	\$411	\$5,138	\$5,549
	Model- ARNU543NKA4 Manuf LG				1		1	Ì		i 🤳
'	Cndensate Pump "CP-A"	'	·'		t	'	 		++	tJ
14	Cndensate Pump "CP-A" Model- GIANT VCC 20 P	EA	1	0%	1	\$381	1.28	\$192	¢381	\$573
14	Model- GIANT VCC 20 P Manuf LITTLE	LA .		070	1	920 I	1.20	\$17∠	920 I	φ57 S
├── ┤ '	Electric Duct Heater "EDH-1"			++	·		+	+	++	·)
15	Model- DF Cl00H	EA	1	0%	1	\$258	0.89	\$134	\$258	\$392
	Manuf NEPTRNIC	,			1	Ψ200	0.07	ψις.	¥200	1
	(18"x4") Supply Diffuser "SG-A"	+	· +	+	· · · · · · · · · · · · · · · · · · ·	+	t	<u>†</u>	++	,]
16	Model- S-DL	EA	7	0%	7	\$98	4.55	\$683	\$106	\$1,369
	Manuf TITUS	· · · · · · · · · · · · · · · · · · ·	'	I	1		1			ı <u> </u>
	(36"x18") Return Diffuser "RG-A"	,		,		·			ļı	í
17	Model- 350 FL	EA	1	0%	1	\$261	0.99	\$149	\$261	\$410
L '	Manuf TITUS			<u> </u> !	1		<u> </u>			J
	Ground Floor									J
	Ducts			ı		'			!	J
18	(8" Dia) Supply Air Round Duct	LF	55	5%	58	\$7	1.16	\$173		\$554
19	(10" Dia) Supply Air Round Duct	LF	32	5%	34	\$8	0.81	\$121		\$380
20	(6"x6") Supply Air Rectangular Duct	LF	40	5%	42	\$9	1.18	\$176		\$546
21	(6"x6") Exhaust Air Rectangular Duct	LF	15	5%	16	\$9	0.44	\$66		\$205
22	(10"x14") Supply Air Rectangular Duct	LF	52	5%	55	\$15	1.69	\$254		\$1,095
23	(14"x14") Return Air Rectangular Duct	LF	17	5%	18	\$18	0.62	\$94	\$314	\$408
	Pipes	'						+ + 2 / F		+ +
24	Refrigerant Pipe	LF	150	5%	158	\$10	6.30	\$945	1	\$2,591
25	(3/4" Dia) Condensat Pipe	LF	20	5%	21	\$7	1.18	\$176		\$327
26	(1" Dia) Hot Water Supply	LF	25	5%	26	\$10	1.58	\$236		\$496
27	(1 1/4" Dia) Hot Water Supply	LF	15	5%	16	\$13	0.96	\$144	\$199	\$343
28	(10" To 8" Dia) Duct Reducer		2	0%	2	\$49	1.42	\$213	*00	\$311
28	(10" To 8" Dia) Duct Reducer HVAC Fixtures	EA		070	<u> </u>		1.42	Φ ΖΙΟ	\$70	<u>ک</u> ر ا
29	Thermostat	EA	2	0%	2	\$122	1.36	\$204	¢243	\$447
30	Temperature Sensor	EA EA	2	0%	2	\$122	0.87	\$204		\$44/ \$238
31	(6"x6") Gravity Damper	EA	1	0%	1	\$92	0.60	\$90		\$238
32	(10"x10") Rain Cap Intake	EA	1	0%	1	\$48	0.68	\$102		\$150
33	(8" Dia) Volume Damper	EA	7	0%	7	\$120	5.60	\$102		\$1,681
	Indoor Fan "FCU-2"		, ,		· · ·	* •	0.00	ΨΨ · -	Ψ~ · · · · · · · · · · · · · · · · · · ·	φ+,~~.
	(31500 Heating BTUH)				1		1	Ì	I I	i J
34	(28000 Cooling BTUH)	EA	1	0%	1	\$3,495	3.12	\$468	\$3,495	\$3,963
	Model- ARNU283MKA4	'		1	1		-		÷ -,	1 1
	Manuf LG	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		1				I	iJ
	Outdoor Heat Pump "ACCU-1"	,	<u> </u>	ļ,		·			ļı	()
	(189000 Heating BTUH)	'			1		1	Ì		i – 1
35	(168000 Cooling BTUH)	EA	1	0%	1	\$12,079	5.24	\$786	\$12,079	\$12,865
	Model- ARUM168BTE5				1		1	Ì	\$98 \$243 \$107 \$92 \$48 \$841 \$3,495 \$12,079	i
	Manuf LG			ı	<u> </u>					ı /
	(12"x12") Supply Diffuser "CD-A"				1	T '			\$258 \$686 \$261 \$261 \$381 \$259 \$370 \$370 \$370 \$370 \$314 \$314 \$314 \$314 \$1,646 \$150 \$260 \$199 \$98 \$98 \$98 \$98 \$98 \$98 \$98 \$98 \$98 \$	1 !
36	Model- TDC	EA	7	0%	7	\$131	5.18	\$777	\$915	\$1,692
	Manuf TITUS	'		ļı	·	_ _ '		1		ب ــــــــــا
	(36"x18") Return Diffuser "RG-A"	· · · ·		1	1			1. In 10	1	1 1
37	Model- 350 FL	EA	1	0%	1	\$261	0.99	\$149	\$261	\$410
	Manuf TITUS	′		ļ	·	'	 	_	ļ	ب ــــــــــــــــــــــــــــــــــــ
	(6"x6") Exhaust Diffuser "EG-A"				1,	*70	0.40	* 00	*70	1 +140
38	Model- 350 RL Manuf - TITUS	EA	1	0%	1	\$78	0.60	\$90	\$/8	\$168
	Manuf TITUS	'		ļı	t'	'	 	+	++	+
39	Electric Unit Heater "EUH-1" (6826 BTUH) Model- MUH03-21	EA	1	0%	1	\$543	1.50	\$225	¢ 5 1 3	\$768
37	Model- MUH03-21 Manuf QMARK			070	1	\$ 040	1.50	\$ZZ5	\$ 343	\$/ 00
<u>├</u> '	Outdoor Heat Pump "ACCU-2" (64000 BTUH)	'	·'	++	t'	+'	+	+	++	l
40	Outdoor Heat Pump "ACCU-2" (64000 BTUH) Model- ARUN060GSS4	EA	1	0%	1	\$4,288	3.87	\$581	¢4 288	\$4,868
40	Model- AKUNU60G554 Manuf LG	L~ .		070	1 '	\$4,200	3.07	φ001	⊅ 4,∠00	Φ4,000
· · ·	Manut LG First Floor	'	·	++	t'	+	+	+	++	l
├ ───┤ '	Ducts	'	·+'	++	·	'	+	+	++	[
41	(6" Dia) Supply Air Round Duct	LF	210	5%	221	\$6	4.63	\$695	\$1,213	\$1,907
41	(6' Dia) Supply Air Round Duct (6'' Dia) Exhaust Air Round Duct	LF	65	5%	68	\$0 \$6	1.43	\$095	\$1,213	\$590
42	(8" Dia) Exhaust Air Round Duct (8" Dia) Supply Air Round Duct	LF	65 45	5% 5%	68 47	\$0 \$7	1.43	\$215	\$375	\$390 \$475
43	(10" Dia) Supply Air Round Duct (10" Dia) Supply Air Round Duct	LF	45 38	5% 5%	4/	\$7 \$8	1.09	\$163	\$312 \$307	\$475
44	(10" Dia) Supply Air Round Duct (14" Dia) Supply Air Round Duct	LF LF	38 10	5% 5%	40	\$8 \$10	0.28	\$150	\$307	\$457 \$146
4:1				5% 5%		\$10	1.07	\$43	\$104	\$146 \$483
	(12" Dia) Supply Air Round Duct	IF .		~ ~/o	• • • •	N Y	1			· · · · · · · · · · · · · · · · · · ·
46 47	(12" Dia) Supply Air Round Duct (4" Dia) Supply Air Round Duct	LF LF	35 12	5%	37 13	\$9 \$4	0.28	\$42	\$55	\$97

Hamilton Ave, Suite **** White Plains,NY 10601

Location: Scope:



HVAC REF. CSI



UNIT LABOR COST \$150 Per Hour

REF. CSI DWG. Image: State stat		UNIT	QUANTITY 28 10 470 80 32 2 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 2 2 1	WASTAGE 5% 5% 5% 5% 0%	QUANTITY W/ WASTAGE 29 111 494 84 34 2 1 1 1 1 1 2 7 2 2 2 1 1 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 2 2	UNIT COST (Material) \$15 \$21 \$10 \$10 \$77 \$28 \$32 \$36 \$38 \$38 \$121 \$144 \$102 \$92 \$135 \$113 \$1128 \$45 \$381	LABOR HRS. 0.94 0.37 19.74 5.04 1.88 1.36 0.70 0.72 0.76 0.68 2.40 3.78 1.68 1.68 1.68 0.58 0.65 0.70 2.56	COST LABOR \$141 \$55 \$2,961 \$756 \$282 \$282 \$282 \$282 \$282 \$282 \$282 \$28	COST MATERIAL \$453 \$219 \$5,157 \$832 \$240 \$56 \$32 \$36 \$38 \$38 \$121 \$288 \$714 \$185 \$271 \$113 \$128	TOTAL CC (Material+L \$594 \$275 \$8,118 \$1,588 \$522 \$260 \$137 \$144 \$152 \$223 \$648 \$1,281 \$437 \$523 \$200 \$225
	(22"x12") Supply Air Rectangular Duct Pipes Refrigerant Pipe (1" Dia) Condensat Pipe (3/4" Dia) Condensat Pipe Connections (8" To 6" Dia) Duct Reducer (14" To 10" Dia) Duct Reducer (14" To 12" Dia) Duct Reducer (14" To 12" Dia) Duct Reducer HVAC Fixtures Thermostat (0.75 SQ.) Wall Louver (6" Dia) Volume Damper (10" Dia) Volume Damper (10" Dia) Outere Damper (6" Dia) Volume Damper (6" Dia) Opposed Blade Damper (6" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	LF LF LF EA EA	10 470 80 32 2 1 1 1 1 2 7 2 2 2 1 1 1 1 2 2 1 1 1 2 2	5% 5% 5% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	11 494 84 34 2 1 1 1 1 2 7 2 2 1 2 1 1 1 1 1	\$21 \$10 \$10 \$7 \$28 \$32 \$36 \$38 \$121 \$144 \$102 \$92 \$135 \$113 \$113 \$128 \$45	0.37 19.74 5.04 1.88 1.36 0.70 0.72 0.76 0.68 2.40 3.78 1.68 1.68 1.68 0.58 0.65 0.70	\$55 \$2,961 \$756 \$282 \$204 \$105 \$108 \$114 \$112 \$360 \$567 \$252 \$252 \$252 \$87 \$98	\$219 \$5,157 \$832 \$240 \$56 \$32 \$36 \$38 \$121 \$288 \$714 \$185 \$271 \$113 \$128	\$275 \$8,118 \$1,588 \$522 \$260 \$137 \$144 \$152 \$223 \$437 \$437 \$523 \$200 \$225
	Pipes Refrigerant Pipe (1" Dia) Condensat Pipe (3/4" Dia) Condensat Pipe Connections (8" To 6" Dia) Duct Reducer (6" To 4" Dia) Duct Reducer (14" To 10" Dia) Duct Reducer (14" To 12" Dia) Duct Reducer HVAC Fixtures Thermostat (0.75 SQ.) Wall Louver (6" Dia) Volume Damper (10" Dia) Volume Damper (10" Dia) Volume Damper (6" Dia) Opposed Blade Damper (6" Dia) Opposed Blade Damper (6" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	LF LF EA EA EA EA EA EA EA EA EA EA	470 80 32 2 1 1 1 1 2 7 2 2 1 1 1 1 2 2 1 1 1 2 2 2 1 1 2 2 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	5% 5% 5% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	494 84 34 2 1 1 1 1 2 7 2 2 2 1 1 1 1 1	\$10 \$10 \$7 \$28 \$32 \$36 \$38 \$121 \$144 \$102 \$92 \$135 \$113 \$113 \$128 \$45	19.74 5.04 1.88 1.36 0.70 0.72 0.76 0.68 2.40 3.78 1.68 1.68 1.68 0.58 0.65 0.70	\$2,961 \$756 \$282 \$204 \$105 \$108 \$114 \$112 \$360 \$567 \$252 \$252 \$252 \$87 \$98	\$5,157 \$832 \$240 \$56 \$32 \$36 \$38 \$121 \$288 \$714 \$185 \$271 \$113 \$128	\$8,118 \$1,588 \$522 \$260 \$137 \$144 \$152 \$223 \$648 \$1,281 \$437 \$523 \$200 \$225
	Refrigerant Pipe (1" Dia) Condensat Pipe (3/4" Dia) Condensat Pipe Connections (8" To 6" Dia) Duct Reducer (6" To 4" Dia) Duct Reducer (14" To 10" Dia) Duct Reducer (14" To 12" Dia) Duct Reducer HVAC Fixtures Thermostat (0.75 SQ.) Wall Louver (6" Dia) Volume Damper (10" Dia) Volume Damper (10" Dia) Volume Damper (10" Dia) Volume Damper (6" Dia) Opposed Blade Damper (6" Dia) Opposed Blade Damper (6" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	LF EA	80 32 1 1 1 2 7 2 1 1 2 1 1 2 1 1 2 2 1 1 2	5% 5% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	84 34 2 1 1 2 7 2 7 2 1 1 1 1 1 1 1 1 1 1 1 1 1	\$10 \$7 \$28 \$32 \$36 \$38 \$121 \$144 \$102 \$92 \$135 \$113 \$113 \$128 \$45	5.04 1.88 1.36 0.70 0.72 0.76 0.68 2.40 3.78 1.68 1.68 0.58 0.65 0.70	\$756 \$282 \$204 \$105 \$108 \$114 \$112 \$360 \$567 \$252 \$252 \$252 \$87 \$98	\$832 \$240 \$56 \$32 \$36 \$38 \$121 \$288 \$714 \$185 \$271 \$113 \$128	\$1,588 \$522 \$260 \$137 \$144 \$152 \$223 \$648 \$1,281 \$437 \$523 \$200 \$225
	(1" Dia) Condensat Pipe(3/4" Dia) Condensat PipeConnections(8" To 6" Dia) Duct Reducer(6" To 4" Dia) Duct Reducer(14" To 10" Dia) Duct Reducer(14" To 12" Dia) Duct ReducerHVAC FixturesThermostat(0.75 SQ.) Wall Louver(6" Dia) Volume Damper(10" Dia) Volume Damper(10" Dia) Volume Damper(6" Dia) Volume Damper(6" Dia) Opposed Blade Damper(6" Dia) Supply Air Round Duct CapCndensate Pump "CP-A"Model- GIANT VCC 20 PManuf LITTLEIndoor Fan "FCU-3"(27300 Heating BTUH)(24200 Cooling BTUH)Model- ARNU243M2A4Manuf LGIndoor Fan "FCU-4"(61400 Heating BTUH)(54000 Cooling BTUH)Model- ARNU543M3A4Manuf LG(6"x6") Exhaust Diffuser "EG-A"Model- 350 RL	LF EA	80 32 1 1 1 2 7 2 1 1 2 1 1 2 1 1 2 2 1 1 2	5% 5% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	84 34 2 1 1 2 7 2 7 2 1 1 1 1 1 1 1 1 1 1 1 1 1	\$10 \$7 \$28 \$32 \$36 \$38 \$121 \$144 \$102 \$92 \$135 \$113 \$113 \$128 \$45	5.04 1.88 1.36 0.70 0.72 0.76 0.68 2.40 3.78 1.68 1.68 0.58 0.65 0.70	\$756 \$282 \$204 \$105 \$108 \$114 \$112 \$360 \$567 \$252 \$252 \$252 \$87 \$98	\$832 \$240 \$56 \$32 \$36 \$38 \$121 \$288 \$714 \$185 \$271 \$113 \$128	\$1,588 \$522 \$260 \$137 \$144 \$152 \$223 \$648 \$1,281 \$437 \$523 \$200 \$225
	(3/4" Dia) Condensat PipeConnections(8" To 6" Dia) Duct Reducer(14" To 10" Dia) Duct Reducer(14" To 10" Dia) Duct Reducer(14" To 12" Dia) Duct ReducerHVAC FixturesThermostat(0.75 SQ.) Wall Louver(6" Dia) Volume Damper(10" Dia) Volume Damper(10" Dia) Volume Damper(6" Dia) Volume Damper(6" Dia) Opposed Blade Damper(6" Dia) Supply Air Round Duct CapCndensate Pump "CP-A"Model- GIANT VCC 20 PManuf LITTLEIndoor Fan "FCU-3"(27300 Heating BTUH)(24200 Cooling BTUH)Model- ARNU243M2A4Manuf LGIndoor Fan "FCU-4"(61400 Heating BTUH)(54000 Cooling BTUH)Model- ARNU543M3A4Manuf LG(6"x6") Exhaust Diffuser "EG-A"Model- 350 RL	LF EA	32 2 1 1 1 1 2 7 2 2 2 1 1 1 1 2 2	5% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	34 2 1 1 1 2 7 2 2 1 1 1 1 1	\$7 \$28 \$32 \$36 \$38 \$121 \$144 \$102 \$92 \$135 \$113 \$113 \$128 \$45	1.88 1.36 0.70 0.72 0.76 0.68 2.40 3.78 1.68 1.68 0.58 0.65 0.70	\$282 \$204 \$105 \$108 \$114 \$102 \$360 \$567 \$252 \$252 \$87 \$98	\$240 \$56 \$32 \$36 \$38 \$121 \$288 \$714 \$185 \$271 \$113 \$128	\$522 \$260 \$137 \$144 \$152 \$223 \$648 \$1,281 \$437 \$523 \$200 \$225
	(8" To 6" Dia) Duct Reducer(6" To 4" Dia) Duct Reducer(14" To 10" Dia) Duct Reducer(14" To 12" Dia) Duct ReducerHVAC FixturesThermostat(0.75 SQ.) Wall Louver(6" Dia) Volume Damper(10" Dia) Volume Damper(10" Dia) Volume Damper(6" Dia) Volume Damper(6" Dia) Motorized Damper(6" Dia) Opposed Blade Damper(6" Dia) Supply Air Round Duct CapCndensate Pump "CP-A"Model- GIANT VCC 20 PManuf LITTLEIndoor Fan "FCU-3"(27300 Heating BTUH)(24200 Cooling BTUH)Model- ARNU243M2A4Manuf LGIndoor Fan "FCU-4"(61400 Heating BTUH)(54000 Cooling BTUH)Model- ARNU543M3A4Manuf LG(6"x6") Exhaust Diffuser "EG-A"Model- 350 RL	EA	1 1 1 2 7 2 2 1 1 1 1 2	0% 0% 0% 0% 0% 0% 0% 0% 0%	1 1 1 2 7 2 2 1 1 1 1	\$32 \$36 \$38 \$121 \$144 \$102 \$92 \$135 \$113 \$128 \$45	0.70 0.72 0.76 0.68 2.40 3.78 1.68 1.68 0.58 0.65 0.70	\$105 \$108 \$114 \$102 \$360 \$567 \$252 \$252 \$87 \$98	\$32 \$36 \$38 \$121 \$288 \$714 \$185 \$271 \$113 \$128	\$137 \$144 \$152 \$223 \$648 \$1,281 \$437 \$523 \$200 \$225
	(6" To 4" Dia) Duct Reducer (14" To 10" Dia) Duct Reducer (14" To 12" Dia) Duct Reducer HVAC Fixtures Thermostat (0.75 SQ.) Wall Louver (6" Dia) Volume Damper (10" Dia) Volume Damper (10" Dia) Volume Damper (6" Dia) Volume Damper (6" Dia) Motorized Damper (6" Dia) Opposed Blade Damper (6" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA	1 1 1 2 7 2 2 1 1 1 1 2	0% 0% 0% 0% 0% 0% 0% 0% 0%	1 1 1 2 7 2 2 1 1 1 1	\$32 \$36 \$38 \$121 \$144 \$102 \$92 \$135 \$113 \$128 \$45	0.70 0.72 0.76 0.68 2.40 3.78 1.68 1.68 0.58 0.65 0.70	\$105 \$108 \$114 \$102 \$360 \$567 \$252 \$252 \$87 \$98	\$32 \$36 \$38 \$121 \$288 \$714 \$185 \$271 \$113 \$128	\$137 \$144 \$152 \$223 \$648 \$1,28 \$437 \$523 \$200 \$225
	(14" To 10" Dia) Duct Reducer (14" To 12" Dia) Duct Reducer HVAC Fixtures Thermostat (0.75 SQ.) Wall Louver (6" Dia) Volume Damper (10" Dia) Volume Damper (10" Dia) Volume Damper (6" Dia) Motorized Damper (6" Dia) Opposed Blade Damper (6" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA	7 2 1 1 1 2 2	0% 0% 0% 0% 0% 0% 0% 0%	2 7 2 2 1 1 1 1	\$36 \$38 \$121 \$144 \$102 \$92 \$135 \$113 \$128 \$45	0.72 0.76 0.68 2.40 3.78 1.68 1.68 0.58 0.65 0.70	\$108 \$114 \$102 \$360 \$567 \$252 \$252 \$252 \$87 \$98	\$36 \$38 \$121 \$288 \$714 \$185 \$271 \$113 \$128	\$144 \$152 \$223 \$648 \$1,28 \$437 \$523 \$200 \$225
	(14" To 12" Dia) Duct Reducer HVAC Fixtures Thermostat (0.75 SQ.) Wall Louver (6" Dia) Volume Damper (10" Dia) Volume Damper (10" Dia) Volume Damper (6" Dia) Motorized Damper (6" Dia) Opposed Blade Damper (6" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA EA EA EA EA EA EA EA EA EA	7 2 1 1 1 2 2	0% 0% 0% 0% 0% 0% 0% 0%	2 7 2 2 1 1 1 1	\$38 \$121 \$144 \$102 \$92 \$135 \$113 \$128 \$45	0.76 0.68 2.40 3.78 1.68 1.68 0.58 0.65 0.70	\$114 \$102 \$360 \$567 \$252 \$252 \$87 \$98	\$38 \$121 \$288 \$714 \$185 \$271 \$113 \$128	\$152 \$223 \$648 \$1,28 \$437 \$523 \$200 \$225
	HVAC Fixtures Thermostat (0.75 SQ.) Wall Louver (6" Dia) Volume Damper (10" Dia) Volume Damper (12" Dia) Volume Damper (6" Dia) Motorized Damper (6" Dia) Opposed Blade Damper (6" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA EA EA EA EA EA EA EA EA	7 2 1 1 1 2 2	0% 0% 0% 0% 0% 0% 0%	2 7 2 2 1 1 1 1	\$121 \$144 \$102 \$92 \$135 \$113 \$128 \$45	0.68 2.40 3.78 1.68 1.68 0.58 0.65 0.70	\$102 \$360 \$567 \$252 \$252 \$87 \$98	\$121 \$288 \$714 \$185 \$271 \$113 \$128	\$223 \$648 \$1,28 \$437 \$523 \$200 \$225
	Thermostat (0.75 SQ.) Wall Louver (6" Dia) Volume Damper (10" Dia) Volume Damper (12" Dia) Volume Damper (6" Dia) Motorized Damper (6" Dia) Opposed Blade Damper (6" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA EA EA EA EA EA EA EA	7 2 1 1 1 2 2	0% 0% 0% 0% 0% 0%	2 7 2 2 1 1 1 1	\$144 \$102 \$92 \$135 \$113 \$128 \$45	2.40 3.78 1.68 1.68 0.58 0.65 0.70	\$360 \$567 \$252 \$252 \$87 \$98	\$288 \$714 \$185 \$271 \$113 \$128	\$648 \$1,28 \$437 \$523 \$200 \$225
	(0.75 SQ.) Wall Louver (6" Dia) Volume Damper (10" Dia) Volume Damper (12" Dia) Volume Damper (6" Dia) Motorized Damper (6" Dia) Opposed Blade Damper (6" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA EA EA EA EA EA EA EA	7 2 1 1 1 2 2	0% 0% 0% 0% 0% 0%	7 2 2 1 1 1	\$144 \$102 \$92 \$135 \$113 \$128 \$45	2.40 3.78 1.68 1.68 0.58 0.65 0.70	\$360 \$567 \$252 \$252 \$87 \$98	\$288 \$714 \$185 \$271 \$113 \$128	\$648 \$1,28 \$437 \$523 \$200 \$225
	(6" Dia) Volume Damper (10" Dia) Volume Damper (12" Dia) Volume Damper (6" Dia) Motorized Damper (6" Dia) Opposed Blade Damper (8" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA EA EA EA EA EA EA	2 2 1 1 1 2 2	0% 0% 0% 0% 0%	2 2 1 1 1	\$92 \$135 \$113 \$128 \$45	1.68 1.68 0.58 0.65 0.70	\$252 \$252 \$87 \$98	\$185 \$271 \$113 \$128	\$437 \$523 \$200 \$225
	(10" Dia) Volume Damper (12" Dia) Volume Damper (6" Dia) Motorized Damper (6" Dia) Opposed Blade Damper (8" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA EA EA EA EA EA	2 1 1 1 2	0% 0% 0% 0%	2 1 1 1	\$135 \$113 \$128 \$45	1.68 0.58 0.65 0.70	\$252 \$87 \$98	\$271 \$113 \$128	\$523 \$200 \$225
	(6" Dia) Motorized Damper (6" Dia) Opposed Blade Damper (8" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA EA EA EA EA	1 1 1 2	0% 0% 0%	1 1 1	\$113 \$128 \$45	0.58 0.65 0.70	\$87 \$98	\$113 \$128	\$200 \$225
	(6" Dia) Opposed Blade Damper (8" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA EA EA EA		0% 0% 0%	1 1 1 2	\$128 \$45	0.65 0.70	\$98	\$128	\$225
	(8" Dia) Supply Air Round Duct Cap Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA EA EA		0%	2	\$45	0.70			
	Cndensate Pump "CP-A" Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA		0%	2			\$105	C 4 C	e1.co
	Model- GIANT VCC 20 P Manuf LITTLE Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA			2	\$381	2.56		\$45	\$150
	Manuf LITTLEIndoor Fan "FCU-3"(27300 Heating BTUH)(24200 Cooling BTUH)Model- ARNU243M2A4Manuf LGIndoor Fan "FCU-4"(61400 Heating BTUH)(54000 Cooling BTUH)Model- ARNU543M3A4Manuf LG(6"x6") Exhaust Diffuser "EG-A"Model- 350 RL	EA				φοσι		\$384	\$762	\$1,14
	Indoor Fan "FCU-3" (27300 Heating BTUH) (24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL		1	0%			2.00	QUO	<i>\(\)</i>	ψ1,1-
	(24200 Cooling BTUH) Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL		1	0%						
	Model- ARNU243M2A4 Manuf LG Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL		1	0%						
	Manuf LGIndoor Fan "FCU-4"(61400 Heating BTUH)(54000 Cooling BTUH)Model- ARNU543M3A4Manuf LG(6"x6") Exhaust Diffuser "EG-A"Model- 350 RL	EA			1	\$2,345	2.24	\$336	\$2,345	\$2,68
	Indoor Fan "FCU-4" (61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA								
	(61400 Heating BTUH) (54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA								
	(54000 Cooling BTUH) Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	EA	1							
	Model- ARNU543M3A4 Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL		1	0%	1	\$5,094	2.74	\$411	\$5.004	¢ = =0
	Manuf LG (6"x6") Exhaust Diffuser "EG-A" Model- 350 RL			0%		φ 5, 094	2./4	φ4 ΙΙ	φ 3, 074	\$5,50
	(6"x6") Exhaust Diffuser "EG-A" Model- 350 RL	-							MATERIAL \$453 \$219 \$5,157 \$832 \$240 \$56 \$32 \$36 \$37 \$121 \$288 \$714 \$121 \$288 \$714 \$121 \$288 \$714 \$121 \$288 \$7714 \$185 \$271 \$113 \$128 \$45 \$762 \$762 \$7762 \$2,345 \$762 \$2,345 \$7762 \$2,345 \$123 \$123 \$1,162 \$1,162 \$1,162 \$193 \$1,162 \$193 \$1,162 \$193 \$1,162 \$193 \$1,23 \$102 \$193 \$102 \$10	
	Model- 350 RL									1
		EA	1	0%	1	\$78	0.60	\$90	\$78	\$168
	Manon- mos									
	(36"x18") Return Diffuser "RG-A"								MATERIAL \$453 \$219 \$5,157 \$832 \$240 \$56 \$32 \$36 \$37 \$121 \$288 \$714 \$121 \$288 \$714 \$121 \$288 \$774 \$121 \$288 \$774 \$123 \$126 \$271 \$113 \$2271 \$113 \$128 \$45 \$762 \$2,345 \$762 \$2,345 \$2,345 \$2,345 \$2,345 \$2,345 \$2,345 \$2,345 \$2,345 \$2,345 \$2,3066 \$11,162 \$102 \$103 \$123 \$132 \$132 \$132 \$123 <t< td=""><td></td></t<>	
	Model- 350 FL	EA	2	0%	2	\$149	1.88	\$282		\$580
	Manuf TITUS									
	(12"x12") Supply Diffuser "CD-A"	F 4	7	0%/	7	#1 //	() (¢1.000	¢1.1/0	¢0.10
	Model- TDC Manuf TITUS	EA	7	0%	7	\$166	6.86	\$1,029	MATERIAL \$453 \$219 \$5,157 \$832 \$240 \$56 \$32 \$36 \$37 \$121 \$288 \$714 \$121 \$288 \$714 \$121 \$288 \$774 \$121 \$288 \$774 \$121 \$288 \$774 \$121 \$288 \$774 \$123 \$133 \$22,345 \$762 \$2,345 \$762 \$2,345 \$2,345 \$2,345 \$2,345 \$2,345 \$2,3,066 \$102 \$453,066 \$193 \$183 \$227 \$230 \$193 \$183 \$227 \$230 \$102 \$	\$2,19
	(12"x12") Supply Diffuser "CD-B"									
	Model- 300 RL	EA	4	0%	4	\$166	3.92	\$588	\$664	\$1,25
	Manuf TITUS	273		0,0		\$100	0172	<i>Q</i> OOO	ÇCC I	<i><i><i>v</i></i>,<i>j</i>₂₀</i>
	(26.25x24.25x14.25) Energy Recovery Ventilator									
	"ERV-1"	EA	1	0%	1	\$3,066	1.30	\$195	\$3.066	\$3,26
	Model- VAM300GVJU	LA	'	0%	1	\$3,000	1.50	\$175	\$3,000	φ 3, 20
	Manuf DAIKIN									-
	Radiant Floor System Details		4	0%/		¢ 40	0.54	¢20.4		
	P&T Gauge Temperature Sensor	EA EA	4	0% 0%	4	\$48 \$92	2.56 1.74	\$384 \$261		\$577 \$444
	(1 1/4" Dia) Union	EA	4	0%	4	\$72	2.76	\$414		\$641
	(1 1/4" Dia) Check Valve	EA	1	0%	1	\$230	0.84	\$126		\$356
	(1 1/4" Dia) Shut-Off Valve	EA	8	0%	8	\$115	5.60	\$840		\$1,75
	(1 1/4" Dia) Safety Relief Valve	EA	1	0%	1	\$132	0.75	\$113	\$132	\$245
	(1 1/4" Dia) Air Separator	EA	1	0%	1	\$123	0.73	\$110		\$232
	(1 1/4" Dia) Strainer	EA	1	0%	1	\$105	0.65	\$98		\$203
	(1 1/4" Dia) Drain Valve W/ Cap	EA	1	0%	1	\$102	0.63	\$95		\$196
	(3/4" Dia) Union	EA	2	0%	2	\$49	1.18	\$177		\$275
	(3/4" Dia) Check Valve	EA	1	0%	 	\$189	0.74	\$111		\$300
	(3/4" Dia) Shut-Off Valve (3/4" Dia) Needle Valve	EA EA	5 2	0% 0%	5 2	\$101 \$95	3.00 1.04	\$450 \$156		\$954 \$345
1	(3/4" Dia) Needle Valve (3/4" Dia) Drain Valve W/ Cap	EA EA	∠ 1	0%	2	<u>\$95</u> \$104	0.57	\$156 \$86		\$345
┥ ┝───	(3/4 Dia) Drain Valve W/ Cap (3/4" Dia) Air Separator	EA	1	0%	1	\$104	0.57	\$80 \$105		\$189
	(3/4 Dia) P&T Relief Valve	EA	1	0%	1	\$91	0.54	\$81		\$172
1	Pump							· - ·		÷
	Model- 15 55F	EA	2	0%	2	\$718	1.96	\$294	\$1,435	\$1,72
╡	Manuf Grundfos									
	Expension Tank (2 GAL)						7	ΙΤ		
	Model- HFT 15	EA	1	0%	1	\$760	1.10	\$165	\$760	\$925
┥ ┝───	Manuf Bell									+
	Buffer Tank "BFT-1" (25 GAL) Model- NAS20025	EA	1	0%	1	\$2,059	1.40	\$210	\$2.050	\$2,26
	Model- NAS20025 Manuf CALEFF	EA		070		φΖ,υσΥ	1.40	φΖΙΟ	φΖιΟΟΥ	φ 2, 20
┥ ┝───										+
		EA	1	0%	1	\$2,950	1.60	\$240	\$2,950	\$3,19
	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4									
·	Hydrokit "HYD-1" (47200 BTUH)				·		·		SUBTOTAL	L \$9
	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4									
	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4							PROJECTE		\$99,15
	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4							D AND PROFIT		\$19,83
	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4						OVERHEAI			
	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4							INSURANCE		\$2,97
	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4						(CONTINGENCY		\$6,94
	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4									¢100.0
	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4							SUGGEST	ED RID	\$128,8
se verify the caute	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4	_						SUGGEST	IED BID	ş128,8
	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4 Manuf LG	-						SUGGEST		÷128,8
ree plantation ave ne sources are used	Hydrokit "HYD-1" (47200 BTUH) Model- ARNH423K2A4	-						SUGGEST		