BIG BANG ESTIMATION L.L.C
BEYOND THE LIMITS

Phone: +1(929)461-7723
ADDRESS: 7 1ST ST
ROSEDALE, NY. 11422 US

PROJECT: GARLAND HIGH SCHOOL
ADDRESS: 510 STADIUM DR GARLAND, TX 75040

DATE: 0

LABOR RATE $ 55

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST
	NEW WORK												
FLEXIBLE DUCT													
1	6" Dia Flexible Duct	96	10%	106	LFT			$ -	0.0	$ -	$ -	$ -	$ -
2	8" Dia Flexible Duct	87	10%	95	LFT			$ -	0.0	$ -	$ -	$ -	$ -
3	12" Dia Flexible Duct	11	10%	12	LFT			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
AIR DEVICES													
1	8"x8" Exhaust Grill	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	12"x12" Exhaust Grill	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	A, Ceiling Supply Diffuser, 6" Dia Neck Size, 40 CFM, TITUS TDCA, 25 NC, 24x24 Module Size,	7	0%	7	EA			$ -	0.0	$ -	$ -	$ -	$ -
4	A, Ceiling Supply Diffuser, 6" Dia Neck Size, 60 CFM, TITUS TDCA, 25 NC, 24x24 Module Size,	5	0%	5	EA			$ -	0.0	$ -	$ -	$ -	$ -
5	A, Ceiling Supply Diffuser, 6" Dia Neck Size, 70 CFM, TITUS TDCA, 25 NC, 24x24 Module Size,	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
6	A, Ceiling Supply Diffuser, 6" Dia Neck Size, 135 CFM, TITUS TDCA, 25 NC, 24x24 Module Size,	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
7	A, Ceiling Supply Diffuser, 6" Dia Neck Size, 220 CFM, TITUS TDCA, 25 NC, 24x24 Module Size,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
8	A, Ceiling Supply Diffuser, 8" Dia Neck Size, 160 CFM, TITUS TDCA, 25 NC, 24x24 Module Size,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
9	A, Ceiling Supply Diffuser, 8" Dia Neck Size, 170 CFM, TITUS TDCA, 25 NC, 24x24 Module Size,	7	0%	7	EA			$ -	0.0	$ -	$ -	$ -	$ -
10	A, Ceiling Supply Diffuser, 8" Dia Neck Size, 185 CFM, TITUS TDCA, 25 NC, 24x24 Module Size,	8	0%	8	EA			$ -	0.0	$ -	$ -	$ -	$ -
11	A, Ceiling Supply Diffuser, 8" Dia Neck Size, 290 CFM, TITUS TDCA, 25 NC, 24x24 Module Size,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
12	B, Sidewall Grill, 12"X8" Face Size, TITUS PAR, 25 NC, 24x24 Module Size, Lay-In Border Type,	6	0%	6	EA			$ -	0.0	$ -	$ -	$ -	$ -
13	B, Sidewall Grill, 8"X8" Face Size, TITUS PAR, 25 NC, 24x24 Module Size, Lay-In Border Type,	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
14	B, Sidewall Grill, 10"X6" Face Size, TITUS PAR, 25 NC, 24x24 Module Size, Lay-In Border Type,	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
15	B, Sidewall Grill, 18"X10" Face Size, TITUS PAR, 25 NC, 24x24 Module Size, Lay-In Border	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
16	B, Sidewall Grill, 150CFM, TITUS PAR, 25 NC, 24x24 Module Size, Lay-In Border Type, 22"x22"	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
17	C, Supply Ceiling Diffuser8" Dia Neck Size, 80 CFM TITUS TDC-AA, 25 NC, 24x24 Module Size,	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
18	C, Supply Ceiling Diffuser8" Dia Neck Size, 125 CFM TITUS TDC-AA, 25 NC, 24x24 Module Size,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
19	C, Supply Ceiling Diffuser12" Dia Neck Size, 400 CFM TITUS TDC-AA, 25 NC, 24x24 Module	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
20	D, Sidewall Grill, 8"X8" Face Size, TITUS PAR-AA, 25 NC, 24x24 Module Size, Lay-In Border	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
21	D, Sidewall Grill, 12"X10" Face Size, TITUS PAR-AA, 25 NC, 24x24 Module Size, Lay-In Border	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
22	D, Sidewall Grill, 150 CFM, TITUS PAR-AA, 25 NC, 24x24 Module Size, Lay-In Border Type, 22"	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
23	D, Sidewall Grill, 250 CFM, TITUS PAR-AA, 25 NC, 24x24 Module Size, Lay-In Border Type, 22"	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
24	D, Sidewall Grill, 345 CFM, TITUS PAR-AA, 25 NC, 24x24 Module Size, Lay-In Border Type, 22"	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
25	D, Sidewall Grill, 460 CFM, TITUS PAR-AA, 25 NC, 24x24 Module Size, Lay-In Border Type, 22"	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
26	E, Sidewall Grill, 60 CFM, TITUS 300RS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
27	E, Sidewall Grill, 170 CFM, TITUS 300RS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
28	E, Sidewall Grill, 185 CFM, TITUS 300RS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
29	E, Sidewall Grill, 190 CFM, TITUS 300RS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
30	E, Sidewall Grill, 215 CFM, TITUS 300RS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
31	E, Sidewall Grill, 240 CFM, TITUS 300RS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	9	0%	9	EA			$ -	0.0	$ -	$ -	$ -	$ -

32	E, Sidewall Grill, 12"X8" Fcae SizE, Sidewall Grill, 370 CFM, TITUS 300RS, 25 NC, Double	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
33	F, Sidewall Grill, 8"X8" Face Size, TITUS 350RL, 25 NC, 3/4" Blade Spacing, Front Blades	7	0%	7	EA			$ -	0.0	$ -	$ -	$ -	$ -
34	F, Sidewall Grill, 24"X20" Face Size, TITUS 350RL, 25 NC, 3/4" Blade Spacing, Front Blades	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
35	F, Sidewall Grill, 14"X14" Face Size, TITUS 350RL, 25 NC, 3/4" Blade Spacing, Front Blades	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
36	G, Sidewall Grill, 12"X8" Face Size, 360 CFM, TITUS 300FS, 25 NC, Double Deflection, 3/4"	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
37	G, Sidewall Grill, 150 CFM, TITUS 300FS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
38	G, Sidewall Grill, 210 CFM, TITUS 300FS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
39	G, Sidewall Grill, 245 CFM, TITUS 300FS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
40	G, Sidewall Grill, 250 CFM, TITUS 300FS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
41	G, Sidewall Grill, 260 CFM, TITUS 300FS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	5	0%	5	EA			$ -	0.0	$ -	$ -	$ -	$ -
42	G, Sidewall Grill, 290 CFM TITUS 300FS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
43	G, Sidewall Grill, 410 CFM TITUS 300FS, 25 NC, Double Deflection, 3/4" Blade Spacing, Front	6	0%	6	EA			$ -	0.0	$ -	$ -	$ -	$ -
44	H, Sidewall Grill, 12"X10" Face Size, TITUS 350FL, 25 NC, 3/4" Blade Spacing, Front Blades	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
45	H, Sidewall Grill, 12"x12" Face Size, 150 CFM, TITUS 350FL, 25 NC, 3/4" Blade Spacing, Front	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
46	H, Sidewall Grill, 12"x12" Face Size, 250 CFM, TITUS 350FL, 25 NC, 3/4" Blade Spacing, Front	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
47	H, Sidewall Grill, 12"x12" Face Size, 345 CFM, TITUS 350FL, 25 NC, 3/4" Blade Spacing, Front	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
48	H, Sidewall Grill, 12"x12" Face Size, 460 CFM, TITUS 350FL, 25 NC, 3/4" Blade Spacing, Front	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
49	H, Sidewall Grill, 26"X16" Face Size, TITUS 350FL, 25 NC, 3/4" Blade Spacing, Front Blades	10	0%	10	EA			$ -	0.0	$ -	$ -	$ -	$ -
50	J, Sidewall Grill, 24"X24" Face Size, 1070, TITUS 300 RS-SS, 25 NC, Double Deflection, 3/4"	7	0%	7	EA			$ -	0.0	$ -	$ -	$ -	$ -
51	K Sidewall Grill, 16"X16" Face Size, 800 CFM, TITUS 350 RS-SS, 25 NC, 3/4" Blade Spacing,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
52	K Sidewall Grill, 46"X13" Face Size, TITUS 350 RS-SS, 25 NC, 3/4" Blade Spacing, Front Blades	5	0%	5	EA			$ -	0.0	$ -	$ -	$ -	$ -
53	24"X24" Return Grille	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
54	28"x18" Intake Louver W/ 1/4" Hardware Colth	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
55	40"x40" Intake Louver W/ 1/4" Hardware Screen	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
ROOF TOP UNIT													
1	RTU-01, Roof Top Unit, TRANE HORIZON, Type: Single Zone VAV, Max Allowable Dimensions:	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	RTU-02, Roof Top Unit, TRANE HORIZON, Type: Single Zone VAV, Max Allowable Dimensions:	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	RTU-03, Roof Top Unit, TRANE HORIZON, Type: Single Zone VAV, Max Allowable Dimensions:	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
4	RTU-04, Roof Top Unit, TRANE HORIZON, Type: Single Zone VAV, Max Allowable Dimensions:	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
5	RTU-05, Roof Top Unit, TRANE HORIZON, Type: Single Zone VAV, Max Allowable Dimensions:	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
MINI SPLIT SYSTEM (INDOOR)													
1	MSU-01, Mini Split System, MITSUBISHI MSY-GS18NA, Type: Wall Mounted, Fan Data: 629	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	MSU-02, Mini Split System, MITSUBISHI MSY-GS18NA, Type: Wall Mounted, Fan Data: 629	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	MSU-03, Mini Split System, MITSUBISHI MSY-GS18NA, Type: Wall Mounted, Fan Data: 629	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
4	MSU-04, Mini Split System, MITSUBISHI MSY-GS18NA, Type: Wall Mounted, Fan Data: 629	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
CONDENSING UNIT (OUTDOOR)													
1	CU-01, Condensing Unit, MITSUBISHI MUY-GS18NA, 20.5 SEER, 13.45 EER, 208 V, 1 PH, 60 HZ,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	CU-02, Condensing Unit, MITSUBISHI MUY-GS18NA, 20.5 SEER, 13.45 EER, 208 V, 1 PH, 60 HZ,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	CU-03, Condensing Unit, MITSUBISHI MUY-GS18NA, 20.5 SEER, 13.45 EER, 208 V, 1 PH, 60 HZ,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
4	CU-04, Condensing Unit, MITSUBISHI MUY-GS18NA, 20.5 SEER, 13.45 EER, 208 V, 1 PH, 60 HZ,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		

ELECTRIC UNIT HEATERS													
1	EUH-01, Electric Unit Heater, REZNOR EUH, 10,236 BTUs, 3.0 KW, 6.5 FLA, 208 V, 3 PH, 60 HZ.	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
GAS HEATER													
1	GUH-01, Gas-Fired Unit Heater, REZNOR UBXC200, Arrangement: Horizontal, Fan Data: 3,416	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	GUH-02, Gas-Fired Unit Heater, REZNOR UBXC200, Arrangement: Horizontal, Fan Data: 3,416	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	GUH-03, Gas-Fired Unit Heater, REZNOR UBXC200, Arrangement: Horizontal, Fan Data: 3,416	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
4	GUH-04, Gas-Fired Unit Heater, REZNOR UBXC200, Arrangement: Horizontal, Fan Data: 3,416	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
5	GUH-05, Gas-Fired Unit Heater, REZNOR UBXC200, Arrangement: Horizontal, Fan Data: 3,416	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
6	GUH-06, Gas-Fired Unit Heater, REZNOR UBXC200, Arrangement: Horizontal, Fan Data: 3,416	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
7	GUH-07, Gas-Fired Unit Heater, REZNOR UBXC200, Arrangement: Horizontal, Fan Data: 3,416	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
8	GUH-08, Gas-Fired Unit Heater, REZNOR UBXC200, Arrangement: Horizontal, Fan Data: 3,416	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
9	GUH-09, Gas-Fired Unit Heater, REZNOR UBXC45, Arrangement: Horizontal, Fan Data: 759	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
10	GUH-10, Gas-Fired Unit Heater, REZNOR UBXC45, Arrangement: Horizontal, Fan Data: 759	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
DAMPERS													
1	VF-01, Vertical Fan, GREENHECK AER, Type: Axial Prop, Drive: Direct, 7,000 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	VF-02, Vertical Fan, GREENHECK AER, Type: Axial Prop, Drive: Direct, 7,000 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	VF-03, Vertical Fan, GREENHECK AER, Type: Axial Prop, Drive: Direct, 1,000 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
4	EF-01-01, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 1,020 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
5	EF-01-02, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 800 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
6	EF-01-03, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 1,055 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
7	EF-01-04, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 1,380 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
8	EF-01-05, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 430 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
9	EF-01-06, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 300 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
10	EF-01-07, Exhaust Fan, GREENHECK SP, Type: Ceiling Mounted, Drive: Direct, 75 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
11	EF-01-08, Exhaust Fan, GREENHECK SP, Type: Ceiling Mounted, Drive: Direct, 75 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
12	EF-01-09, Exhaust Fan, GREENHECK SP, Type: Ceiling Mounted, Drive: Direct, 60 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
13	EF-01-10, Exhaust Fan, GREENHECK SQ, Type: Inline, Drive: Direct, 65 CFM, Static Pressure	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
14	EF-01-11, Exhaust Fan, GREENHECK SP, Type: Ceiling Mounted, Drive: Direct, 120 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
15	EF-01-12, Exhaust Fan, GREENHECK SQ, Type: Inline, Drive: Direct, 450 CFM, Static Pressure	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
16	EF-01-13, Exhaust Fan, GREENHECK SP, Type: Ceiling Mounted, Drive: Direct, 75 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
17	EF-01-14, Exhaust Fan, GREENHECK SP, Type: Ceiling Mounted, Drive: Direct, 120 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
18	EF-01-15, Exhaust Fan, GREENHECK SP, Type: Ceiling Mounted, Drive: Direct, 120 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
19	EF-02-01, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 1,100 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
20	EF-02-02, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 130 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
21	EF-02-03, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 1,100 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
22	EF-02-04, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 190 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
23	EF-02-05, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 190 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
24	EF-02-06, Exhaust Fan, GREENHECK CUE, Type: Centrifugal, Drive: Direct, 75 CFM, Static	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
25	HVLS-01, High Volume Low Speed Fan, BIG ASS FANS PF4X-24, Description: Powerfoil X4,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
26	HVLS-02, High Volume Low Speed Fan, BIG ASS FANS PF4X-24, Description: Powerfoil X4,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
27	HVLS-03, High Volume Low Speed Fan, BIG ASS FANS PF4X-24, Description: Powerfoil X4,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
28	HVLS-04, High Volume Low Speed Fan, BIG ASS FANS PF4X-24, Description: Powerfoil X4,	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -

29	HVLS-05, High Volume Low Speed Fan, BIG ASS FANS PFD-8, Description: Powerfoil D, Airfoils:	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
30	HVLS-06, High Volume Low Speed Fan, BIG ASS FANS PFD-8, Description: Powerfoil D, Airfoils:	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
31	HVLS-07, High Volume Low Speed Fan, BIG ASS FANS PFD-8, Description: Powerfoil D, Airfoils:	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
DAMPERS													
1	6" Dia Volume Damper	17	0%	17	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	8" Dia Volume Damper	20	0%	20	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	8"X8" Volume Damper	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
4	10" Dia Volume Damper	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
5	10"X10" Volume Damper	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
6	14"X14" Volume Damper	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
7	12" Dia Volume Damper	5	0%	5	EA			$ -	0.0	$ -	$ -	$ -	$ -
8	14" Dia Volume Damper	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
9	16"X14" Volume Damper	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
10	18"X12" Volume Damper	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
11	20"X16" Volume Damper	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
12	28"X12" Motorized Damper	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
13	40"X40" Motorized Damper	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
14	10" Dia Backdraft Damper	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
15	12" Dia Backdraft Damper	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
16	16" Dia Backdraft Damper	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
17	8"x8" Backdraft Damper	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
18	16"x16" Backdraft Damper	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
CAPS													
1	6" Dia Exhaust Roof Cap W/ Backdraft Damper	8	0%	8	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	8" Dia Exhaust Roof Cap W/ Backdraft Damper	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	10" Dia Exhaust Roof Cap W/ Backdraft Damper	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
4	4" Dia Flue Roof Cap	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
5	5" Dia Flue Roof Cap	8	0%	8	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
SENSOR													
1	Carbon Monoxide Detection System. Refer To Carbon Monoxide System Notes On This Drawing	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	T, Thermostat	20	0%	20	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
CONTROL WIRING													
1	#18/4C Control Wire For Thermostat	210	10%	231	LFT			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
FLEXIBLE CONNECTION													
1	6" Dia Flexible Connector	8	0%	8	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	8"X8" Flexible Connector	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	10" Dia Flexible Connector	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -

4	12"X12" Flexible Connector	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
5	30"X16" Flexible Connector	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
6	34"X18" Flexible Connector	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
7	46"x13" Flexible Connector	5	0%	5	EA			$ -	0.0	$ -	$ -	$ -	$ -
8	52"X28" Flexible Connector	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
9	56"X26" Flexible Connector	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
10	26"X26" Flexible Connector	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
DUCT CAPS													
1	8"x8" Duct End Cap	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	10" Dia Duct End Cap	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	10"x10" Duct End Cap	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
4	12" Dia Duct End Cap	6	0%	6	EA			$ -	0.0	$ -	$ -	$ -	$ -
5	12"x12" Duct End Cap	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
6	14" Dia Duct End Cap	3	0%	3	EA			$ -	0.0	$ -	$ -	$ -	$ -
7	14"x14" Duct End Cap	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
8	16" Dia Duct End Cap	2	0%	2	EA			$ -	0.0	$ -	$ -	$ -	$ -
9	18" Dia Duct End Cap	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
10	18"x12" Duct End Cap	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
11	24"x16" Duct End Cap	1	0%	1	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
REFRIGERANT PIPE (ABOVE GRADE)													
Type "ACR" Copper Tubing With Brazed Joints. (Assumed)													
1	3/8" Dia RL Pipe (Size assumed)	230	10%	253	LFT			$ -	0.0	$ -	$ -	$ -	$ -
2	5/8" Dia RS Pipe (Size assumed)	230	10%	253	LFT			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
REFRIGERANT PIPE INSULATION													
3/4" Thick, Flexible Elastomeric Tubing Insulation, AP/ARMAFLEX BLACK LAPSEAL™ Pipe Insulation As Manufacturer By ARMACELL, LLC. (Assumed)													
1	3/8" Dia RL Pipe (Size assumed)	140	10%	154	LFT			$ -	0.0	$ -	$ -	$ -	$ -
2	5/8" Dia RS Pipe (Size assumed)	140	10%	154	LFT			$ -	0.0	$ -	$ -	$ -	$ -
3/4" Thick, Flexible Elastomeric Tubing Insulation, AP/ARMAFLEX BLACK LAPSEAL™ Pipe Insulation As Manufacturer By ARMACELL, LLC. W/ Aluminum Jacket													
4	3/8" Dia RL Pipe (Size assumed)	90	10%	99	LFT			$ -	0.0	$ -	$ -	$ -	$ -
5	5/8" Dia RS Pipe (Size assumed)	90	10%	99	LFT			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
REFRIGERANT PIPE FITTINGS													
ELBOW													
1	3/8" Dia RL Pipe 90 Deg Elbow	21	0%	21	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	5/8" Dia RS Pipe 90 Deg Elbow	21	0%	21	EA			$ -	0.0	$ -	$ -	$ -	$ -
											$ -		

ACCESSORIES													
1	5/8" Dia Refrigerant Valve	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	3/8" Dia Refrigerant Valve	8	0%	8	EA			$ -	0.0	$ -	$ -	$ -	$ -
3	3/8" Dia Sight Glass	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
4	3/8" Dia Filter Dryer	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
5	5/8" Dia Services Valve	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
6	3/5" Dia Service Valve	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
7	3/8" Solenoid Valve	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
8	3/8" Dia Expansion Valve	4	0%	4	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
DUCT WEIGHT													
1	Galvanized Sheet Metal Duct Weight - 26 Gauge	2023	10%	2225	LB			$ -	0.0	$ -	$ -	$ -	$ -
2	Galvanized Sheet Metal Duct Weight - 24 Gauge	4242	10%	4666	LB			$ -	0.0	$ -	$ -	$ -	$ -
3	Galvanized Sheet Metal Duct Weight - 22 Gauge	2633	10%	2896	LB			$ -	0.0	$ -	$ -	$ -	$ -
4	Galvanized Sheet Metal Duct Weight - 20 Gauge	1642	10%	1806	LB			$ -	0.0	$ -	$ -	$ -	$ -
5	Aluminum Duct (Exhaust Duct) - 26 Gauge	300	10%	330	LB			$ -	0.0	$ -	$ -	$ -	$ -
6	Aluminum Duct (Exhaust Duct) - 24 Gauge	420	10%	462	LB			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
DUCT LINER													
1	1" Thick Duct Liner W/ Anti-Bacterial Coating (For Transfer Air Duct) (Thickness Assumed)	50	10%	55	SF			$ -	0.0	$ -	$ -	$ -	$ -
2	1" Thick Duct Internally Lined Duct (Return Air Duct) (Thickness Assumed)	660	10%	726	SF			$ -	0.0	$ -	$ -	$ -	$ -
3	1" Thick Duct Internally Lined Duct W/ Paint Grip (Expose Supply Duct) (Thickness Assumed)	7841	10%	8625	SF			$ -	0.0	$ -	$ -	$ -	$ -
4	1" Thick Duct Acoustical Liner (Exhaust Duct) (Thickness Assumed)	350	10%	385	SF			$ -	0.0	$ -	$ -	$ -	$ -
5	1" Thick Fire Wrap (For Dryer Duct) (Thickness Assumed)	100	10%	110	SF			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
PIPE SUPPORTS													
1	3/8" Dia Adjustable Clevis Hanger W/ Threaded Rod	20	0%	20	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	5/8" Dia Adjustable Clevis Hanger W/ Threaded Rod	20	0%	20	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
DUCT SUPPORTS													
1	3/8" Threaded Rod	902	0%	902	EA			$ -	0.0	$ -	$ -	$ -	$ -
2	1" x 22 Ga. Strap	451	0%	451	EA			$ -	0.0	$ -	$ -	$ -	$ -
										$ -	$ -		
ALLOWANCE [PLEASE ADD YOUR NUMBER]													
1	Mobilization & demobilization costs	1	0%	1	LS	0.000	$ -	$ -	0.0	$ -		$ -	$ -
2	Payment and performance bond costs	1	0%	1	LS	0.000	$ -	$ -	0.0	$ -		$ -	$ -
3	Permits and fees	1	0%	1	LS	0.000	$ -	$ -	0.0	$ -		$ -	$ -
4	Storage container rental costs	1	0%	1	LS	0.000	$ -	$ -	0.0	$ -		$ -	$ -
	Air Devices												
5	Utility costs	1	0%	1	LS	0.000	$ -	$ -	0.0	$ -		$ -	$ -
6	Tool costs	1	0%	1	LS	0.000	$ -	$ -	0.0	$ -		$ -	$ -

7	Callback costs during warranty period	1	0%	1	LS	0.000	$ -	$ -	0.0	$ -		$ -	$ -
8	Miscellaneous costs	1	0%	1	LS	0.000	$ -	$ -	0.0	$ -		$ -	$ -
										$ -	$ -		

TOTAL MATERIAL COST		**$ -**
TOTAL LABOR COST		**$ -**
TOTAL LABOR HOURS		**0**
TOTAL COST		**$ -**
MATERIAL TAX	**0.00%**	**$ -**
LABOR BURDEN	**10%**	**$ -**
OVERHEADS & PROFIT	**0%**	**$ -**
TOTAL BID		**$ -**