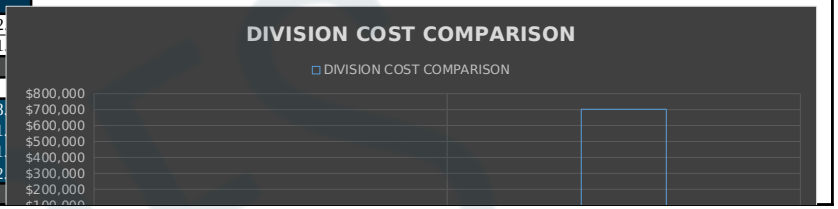
GENERAL SUMMARY

Prepared for: Chukchansi Proposed New Secure Council, 711 Lucky Lane Coarsegold, California
Project ID: 6032026
Scope: HVAC
No. Of Floors: 3
Date: 7-Oct-26

NEDES
National Estimating, Drafting & Engineering Services
+1 (708) 381-0900

BUILDING GSF		21,956	
DIVISION NO	**DESCRIPTION**	**TOTAL DIV. COST**	**TOTAL DIV. COST (PER SF)**
1000	General Requirements	$ 65,000	$ 2.
23000	HVAC	$ 702,280	$ 31.
TOTAL TRADE COST		**$ 767,280**	**$**
OVERHEAD AND PROFIT	**25%**	$ 191,820	$ 8.
INSURANCE	**3%**	$ 23,018	$ 1.
CONTINGENCY	**5%**	$ 38,364	$ 1.
TAX	**8%**	$ 36,366	$ 2.
SUGGESTED BID		**$ 1,056,848**	**$**



DETAILED BREAKDOWN OF ITEMS

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			GENERAL REQUIREMENTS										
1			Permits	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
2			Supervision and Coordination	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 22,500.00	$ 22,500.00
3			Testing & Balancing	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 4,500.00	$ 4,500.00
4			Final Cleaning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 3,500.00	$ 3,500.00
5			Mobilization Costs	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 18,500.00	$ 18,500.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 7,500.00	$ 7,500.00
7			Equipment Cost	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 8,500.00	$ 8,500
												SUBTOTAL $	**65,000**
			HVAC										
			FLEXIBLE DUCT										
8			6" Dia Flexible Duct	LF	313	10%	344	0.07	$ 70.00	$ 4.90	$ 2.55	$ 7.45	$ 2,563.31
9			8" Dia Flexible Duct	LF	74	10%	81	0.08	$ 70.00	$ 5.60	$ 3.40	$ 9.00	$ 730.03
10			10" Dia Flexible Duct	LF	27	10%	30	0.09	$ 70.00	$ 6.30	$ 4.25	$ 10.55	$ 313.68
11			15" Dia Flexible Duct	LF	14	10%	15	0.11	$ 70.00	$ 7.70	$ 6.38	$ 14.08	$ 218.15
			REFRIGERANT PIPE										
		Assumed	**Type "ACR" Copper Tubing With Fittings**										
12			5/8" Dia Refrigerant Suction Pipe	LF	1900	10%	2090	0.213	$ 70.00	$ 14.88	$ 7.28	$ 22.15	$ 46,291.55
13			3/8" Dia Refrigerant Liquid Pipe	LF	1900	10%	2090	0.128	$ 70.00	$ 8.93	$ 4.37	$ 13.29	$ 27,774.93
		Assumed	**1/2" Thick Fiberglass Pipe Insulation**										
14			5/8" Dia Refrigerant Suction Pipe	LF	1900	10%	2090	0.03	$ 70.00	$ 2.00	$ 2.85	$ 4.85	$ 10,125.62
15			3/8" Dia Refrigerant Liquid Pipe	LF	1900	10%	2090	0.03	$ 70.00	$ 1.79	$ 2.55	$ 4.34	$ 9,059.77
			REFRIGERANT PIPE FITTINGS										
			ELBOW										
16			5/8" Dia Refrigerant Suction Pipe 45 Deg Elbow	EA	6	0%	6	0.474	$ 70.00	$ 33.15	$ 6.12	$ 39.27	$ 235.64
17			3/8" Dia Refrigerant Liquid Pipe 45 Deg Elbow	EA	6	0%	6	0.410	$ 70.00	$ 28.67	$ 2.54	$ 31.21	$ 187.25
18			5/8" Dia Refrigerant Suction Pipe 90 Deg Elbow	EA	164	0%	164	0.316	$ 70.00	$ 22.10	$ 5.10	$ 27.20	$ 4,461.21
19			3/8" Dia Refrigerant Liquid Pipe 90 Deg Elbow	EA	164	0%	164	0.273	$ 70.00	$ 19.11	$ 2.12	$ 21.23	$ 3,481.72
			CONDENSATE DRAIN PIPE										
		Assumed	**Schedule 40 PVC Pipe With Fittings**										
20			1-1/4" Dia Condensate Drain Pipe	LF	969	10%	1066	0.128	$ 70.00	$ 8.98	$ 1.49	$ 10.47	$ 11,160.53
		Assumed	**1/2" Thick Fiberglass Pipe Insulation**										
21			1-1/4" Dia Condensate Drain Pipe	LF	969	10%	1066	0.03	$ 70.00	$ 2.14	$ 3.05	$ 5.19	$ 5,528.29
			CONDENSATE DRAIN FITTINGS										
			ELBOW										
22			1-1/4" Dia Condensate Drain Pipe 90 Deg Elbow	EA	70	0%	70	0.270	$ 70.00	$ 18.90	$ 2.97	$ 21.87	$ 1,530.90
			TEE										
23			1-1/4" Dia Condensate Drain Pipe Tee	EA	43	0%	43	0.406	$ 70.00	$ 28.40	$ 2.50	$ 30.90	$ 1,328.70
24			1-1/4" Dia Condensate Drain Pipe Cross Tee	EA	3	0%	3	0.452	$ 70.00	$ 31.61	$ 3.17	$ 34.78	$ 104.33
			AIR DEVICES										
25			CD-1: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 12"x12" Face Size, 50	EA	5	0%	5	0.77	$ 70.00	$ 53.90	$ 70.52	$ 124.42	$ 622.10
26			CD-1: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 12"x12" Face Size, 100	EA	1	0%	1	0.80	$ 70.00	$ 56.00	$ 74.69	$ 130.69	$ 130.69
27			CD-1: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size, 12"x12" Face Size, 150	EA	5	0%	5	0.84	$ 70.00	$ 58.80	$ 92.55	$ 151.35	$ 756.75
28			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 25	EA	1	0%	1	0.80	$ 70.00	$ 56.00	$ 105.50	$ 161.50	$ 161.50
29			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 30	EA	1	0%	1	0.81	$ 70.00	$ 56.35	$ 108.50	$ 164.85	$ 164.85
30			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 35	EA	3	0%	3	0.81	$ 70.00	$ 56.45	$ 112.50	$ 168.95	$ 506.84
31			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 40	EA	2	0%	2	0.83	$ 70.00	$ 57.96	$ 115.50	$ 173.46	$ 346.92
32			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 50	EA	15	0%	15	0.85	$ 70.00	$ 59.47	$ 118.35	$ 177.82	$ 2,667.33
33			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 75	EA	5	0%	5	0.90	$ 70.00	$ 63.00	$ 125.20	$ 188.20	$ 941.00
34			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 80	EA	3	0%	3	0.92	$ 70.00	$ 64.51	$ 128.22	$ 192.73	$ 578.20
35			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 85	EA	5	0%	5	0.94	$ 70.00	$ 65.52	$ 130.99	$ 196.51	$ 982.55
36			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 90	EA	4	0%	4	0.95	$ 70.00	$ 66.53	$ 132.20	$ 198.73	$ 794.91
37			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 100	EA	4	0%	4	0.97	$ 70.00	$ 68.04	$ 135.20	$ 203.24	$ 812.96
38			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 105	EA	3	0%	3	0.99	$ 70.00	$ 69.55	$ 138.47	$ 208.02	$ 624.07
39			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 110	EA	2	0%	2	1.01	$ 70.00	$ 70.56	$ 140.66	$ 211.22	$ 422.44
40			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 115	EA	1	0%	1	1.02	$ 70.00	$ 71.57	$ 142.55	$ 214.12	$ 214.12
41			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 120	EA	3	0%	3	1.04	$ 70.00	$ 73.08	$ 145.22	$ 218.30	$ 654.90
42			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 125	EA	2	0%	2	1.07	$ 70.00	$ 74.59	$ 148.69	$ 223.28	$ 446.56
43			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 130	EA	1	0%	1	1.07	$ 70.00	$ 75.10	$ 149.99	$ 225.09	$ 225.09
44			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 135	EA	1	0%	1	1.09	$ 70.00	$ 76.61	$ 152.55	$ 229.16	$ 229.16
45			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 150	EA	5	0%	5	1.10	$ 70.00	$ 77.11	$ 153.55	$ 230.66	$ 1,153.31
46			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 160	EA	2	0%	2	1.12	$ 70.00	$ 78.12	$ 155.65	$ 233.77	$ 467.54
47			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 170	EA	1	0%	1	1.13	$ 70.00	$ 79.13	$ 157.30	$ 236.43	$ 236.43
48			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 195	EA	2	0%	2	1.14	$ 70.00	$ 79.63	$ 158.65	$ 238.28	$ 476.56
49			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size, 24"x24" Face Size, 200	EA	2	0%	2	1.14	$ 70.00	$ 80.14	$ 159.00	$ 239.14	$ 478.27
50			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size, 24"x24" Face Size, 235	EA	2	0%	2	1.19	$ 70.00	$ 83.16	$ 165.50	$ 248.66	$ 497.32
51			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size, 24"x24" Face Size, 245	EA	2	0%	2	1.21	$ 70.00	$ 84.67	$ 168.98	$ 253.65	$ 507.30
52			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size, 24"x24" Face Size, 250	EA	1	0%	1	1.26	$ 70.00	$ 88.20	$ 175.50	$ 263.70	$ 263.70
53			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size, 24"x24" Face Size, 280	EA	1	0%	1	1.30	$ 70.00	$ 90.72	$ 180.20	$ 270.92	$ 270.92
54			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size, 24"x24" Face Size, 290	EA	1	0%	1	1.33	$ 70.00	$ 93.24	$ 185.55	$ 278.79	$ 278.79
55			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size, 24"x24" Face Size, 295	EA	2	0%	2	1.36	$ 70.00	$ 95.26	$ 189.00	$ 284.26	$ 568.51
56			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 10" Dia Neck Size, 24"x24" Face Size, 4	EA	2	0%	2	1.43	$ 70.00	$ 99.79	$ 198.92	$ 298.71	$ 597.42
57			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 15" Dia Neck Size, 24"x24" Face Size, 75	EA	3	0%	3	1.48	$ 70.00	$ 103.32	$ 258.00	$ 361.32	$ 1,083.96
58			EG-1: Exhaust Air Ceiling Grille, PRICE PDR, 6" Dia Neck Size, 12"x12" Face Size, 100 CFM, Material	EA	14	0%	14	0.80	$ 70.00	$ 56.00	$ 66.50	$ 122.50	$ 1,715.00
59			EG-1: Exhaust Air Ceiling Grille, PRICE PDR, 6" Dia Neck Size, 12"x12" Face Size, 150 CFM, Material	EA	4	0%	4	0.84	$ 70.00	$ 58.80	$ 75.50	$ 134.30	$ 537.20
60			EG-2: Exhaust Air Ceiling Grille, PRICE PDR, 6" Dia Neck Size, 24"x24" Face Size, 75 CFM, Material:	EA	3	0%	3	0.79	$ 70.00	$ 55.30	$ 132.50	$ 187.80	$ 563.40
61			EG-2: Exhaust Air Ceiling Grille, PRICE PDR, 8" Dia Neck Size, 24"x24" Face Size, 100 CFM, Material	EA	3	0%	3	0.80	$ 70.00	$ 56.00	$ 145.50	$ 201.50	$ 604.50
62			EG-3: Exhaust Air Wall Grille, PRICE 530L, 8"x8" Neck Size, 10"x10" Face Size, 130 CFM, Material: S	EA	1	0%	1	0.83	$ 70.00	$ 58.10	$ 38.50	$ 96.60	$ 96.60
63			EL-1: Exhaust Air Wall Louvers, POTTORFF ECD, 24"x20" Neck Size, 26"x22" Face Size, 700 CFM, M	EA	1	0%	1	1.24	$ 70.00	$ 86.80	$ 308.64	$ 395.44	$ 395.44
64			EL-1: Exhaust Air Wall Louvers, POTTORFF ECD, 28"x28" Neck Size, 30"x30" Face Size, 930 CFM, M	EA	1	0%	1	1.41	$ 70.00	$ 98.70	$ 405.50	$ 504.20	$ 504.20
65			EL-1: Exhaust Air Wall Louvers, POTTORFF ECD, 28"x28" Neck Size, 30"x30" Face Size, 1125 CFM,	EA	1	0%	1	1.55	$ 70.00	$ 108.50	$ 465.58	$ 574.08	$ 574.08
66			LBR-1: Linear Bar Grille, PRICE CT-580, 36"x6" Neck Size, 38"x8" Face Size, Material: Aluminum, Ma	EA	2	0%	2	1.20	$ 70.00	$ 84.00	$ 150.50	$ 234.50	$ 469.00
67			LBR-1: Linear Bar Grille, PRICE CT-580, 48"x6" Neck Size, 50"x8" Face Size, Material: Aluminum, Ma	EA	1	0%	1	1.32	$ 70.00	$ 92.40	$ 200.50	$ 292.90	$ 292.90
68			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 24"x6" Neck Size, 26"x8" Face Size, 165 CFM,	EA	2	0%	2	1.25	$ 70.00	$ 87.50	$ 180.00	$ 267.50	$ 535.00
69			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 36"x6" Neck Size, 38"x8" Face Size, 330 CFM,	EA	1	0%	1	1.45	$ 70.00	$ 101.50	$ 250.00	$ 351.50	$ 351.50
70			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 36"x6" Neck Size, 38"x8" Face Size, 335 CFM,	EA	2	0%	2	1.48	$ 70.00	$ 103.60	$ 260.00	$ 363.60	$ 727.20
71			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 36"x6" Neck Size, 38"x8" Face Size, 550 CFM,	EA	1	0%	1	1.80	$ 70.00	$ 126.00	$ 350.00	$ 476.00	$ 476.00
72			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 54"x8" Neck Size, 120"x4" Length, 1300 CFM,	EA	1	0%	1	2.55	$ 70.00	$ 178.50	$ 750.00	$ 928.50	$ 928.50
73			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 120"x4" Neck Size, 122"x6" Length, 1300 CFM	EA	1	0%	1	2.72	$ 70.00	$ 190.40	$ 850.50	$ 1,040.90	$ 1,040.90
74			LD-1: Supply Air Linear Diffuser, PRICE SDS, 6" Dia Neck Size, 2'-0" Length, 1 Slot, 40 CFM, Material	EA	1	0%	1	1.05	$ 70.00	$ 73.50	$ 99.98	$ 173.48	$ 173.48
75			LD-1: Supply Air Linear Diffuser, PRICE SDS, 6" Dia Neck Size, 4'-0" Length, 1 Slot, 70 CFM, Material	EA	1	0%	1	1.35	$ 70.00	$ 94.50	$ 199.96	$ 294.46	$ 294.46
76			LD-1: Supply Air Linear Diffuser, PRICE SDS, 6" Dia Neck Size, 4'-0" Length, 1 Slot, 75 CFM, Material	EA	1	0%	1	1.40	$ 70.00	$ 98.00	$ 205.50	$ 303.50	$ 303.50
77			LD-1: Supply Air Linear Diffuser, PRICE SDS, 6" Dia Neck Size, 4'-0" Length, 1 Slot, 90 Deg Elbow CF	EA	1	0%	1	1.42	$ 70.00	$ 99.40	$ 220.65	$ 320.05	$ 320.05
78			LD-1: Supply Air Linear Diffuser, PRICE SDS, 8" Dia Neck Size, 5'-0" Length, 1 Slot, 185 CFM, Materi	EA	2	0%	2	1.45	$ 70.00	$ 101.50	$ 249.95	$ 351.45	$ 702.90
79			LD-1: Supply Air Linear Diffuser, PRICE SDS, 10" Dia Neck Size, 5'-0" Length, 1 Slot, 190 Deg Elbow	EA	6	0%	6	1.52	$ 70.00	$ 106.40	$ 285.50	$ 391.90	$ 2,351.40
80			LD-1: Supply Air Linear Diffuser, PRICE SDS, 8" Dia Neck Size, 4'-0" Length, 2 Slot, 220 CFM, Materi	EA	4	0%	4	1.58	$ 70.00	$ 110.60	$ 319.96	$ 430.56	$ 1,722.24
81			LD-1: Supply Air Linear Diffuser, PRICE SDS, 10" Dia Neck Size, 5'-0" Length, 2 Slot, 240 CFM, Mater	EA	1	0%	1	1.65	$ 70.00	$ 115.50	$ 399.95	$ 515.45	$ 515.45
82			RAS: Return Air Wall Grille, PRICE RAS, 24"x6" Face Size, Material: Steel, Finish: Black, Max APD (	EA	52	0%	52	1.02	$ 70.00	$ 71.40	$ 90.00	$ 161.40	$ 8,392.80
83			RAS: Return Air Wall Grille, PRICE RAS, 32"x6" Face Size, Material: Steel, Finish: Black, Max APD (	EA	10	0%	10	1.05	$ 70.00	$ 73.50	$ 110.00	$ 183.50	$ 1,835.00
84			RG-1: Return Air Ceiling Grille, PRICE PDR, 24"x12" Face Size, Material: Aluminum, Margin: Lay-In,	EA	52	0%	52	1.12	$ 70.00	$ 78.40	$ 130.00	$ 208.40	$ 10,836.80
85			RG-2: Return Air Ceiling Grille, PRICE PDR, 24"x24" Face Size, Material: Aluminum, Margin: Lay-In,	EA	3	0%	3	1.18	$ 70.00	$ 82.60	$ 160.00	$ 242.60	$ 727.80
86			LR-1: Return Air Linear Diffuser, PRICE SDR, 6" Dia Neck Size, 4'-0" Length, Material: Aluminum, Ma	EA	8	0%	8	1.45	$ 70.00	$ 101.50	$ 220.00	$ 321.50	$ 2,572.00
87			SR-1: Supply Air Wall Register, PRICE 530L, 10"x6" Neck Size, 10"x6" Face Size, 185 CFM, Material:	EA	1	0%	1	1.10	$ 70.00	$ 77.00	$ 120.00	$ 197.00	$ 197.00
88			SR-1: Supply Air Wall Register, PRICE 530L, 12"x6" Neck Size, 12"x6" Face Size, 185 CFM, Material:	EA	1	0%	1	1.12	$ 70.00	$ 78.40	$ 130.00	$ 208.40	$ 208.40
89			LBR-1: Linear Bar Return Air Grille, PRICE CT-580, 120"x4" Length, Material: Aluminum, Margin: Sur	EA	1	0%	1	2.60	$ 70.00	$ 182.00	$ 780.00	$ 962.00	$ 962.00
90			LBR-1: Linear Bar Return Air Grille, PRICE CT-580, 122"x6" Length, Material: Aluminum, Margin: Sur	EA	1	0%	1	2.72	$ 70.00	$ 190.40	$ 855.50	$ 1,045.90	$ 1,045.90
			FAN COIL UNIT										
91			FCU-101: Fan Coil Unit, MITSUBISHI PEFY-M15NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.2	EA	1	0%	1	6.55	$ 70.00	$ 458.50	$ 3,180.24	$ 3,638.74	$ 3,638.74
92			FCU-102: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.5	EA	1	0%	1	7.25	$ 70.00	$ 507.50	$ 3,258.40	$ 3,765.90	$ 3,765.90
93			FCU-103: Fan Coil Unit, MITSUBISHI PEFY-M15NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.2	EA	1	0%	1	6.55	$ 70.00	$ 458.50	$ 3,180.24	$ 3,638.74	$ 3,638.74
94	M-201, M-202, M-203, M-301, M-302, M-303		Notes:	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
95			FCU-105: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
96			FCU-106: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.5	EA	1	0%	1	7.25	$ 70.00	$ 507.50	$ 3,258.40	$ 3,765.90	$ 3,765.90
97			FCU-107: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
98			FCU-108: Fan Coil Unit, MITSUBISHI PEFY-M15NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.2	EA	1	0%	1	6.55	$ 70.00	$ 458.50	$ 3,180.24	$ 3,638.74	$ 3,638.74
99			FCU-109: Fan Coil Unit, MITSUBISHI PEFY-M06NMAU-A, Unit Type: Ceiling Concealed Ducted, 0.5	EA	1	0%	1	4.55	$ 70.00	$ 318.50	$ 1,341.60	$ 1,660.10	$ 1,660.10
100			FCU-110: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
101			FCU-111: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
102			FCU-112: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
103			FCU-113: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
104			FCU-114: Fan Coil Unit, MITSUBISHI PEFY-M24NKMU-A, Unit Type: High-Wall Ductless, 2.00 Ton	EA	1	0%	1	8.55	$ 70.00	$ 598.50	$ 4,740.25	$ 5,338.75	$ 5,338.75
105			FCU-201: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.5	EA	1	0%	1	7.25	$ 70.00	$ 507.50	$ 3,258.40	$ 3,765.90	$ 3,765.90
106			FCU-202: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
107			FCU-203: Fan Coil Unit, MITSUBISHI PEFY-M24NMAU-A, Unit Type: High-Wall Ductless, 2.00 Ton	EA	1	0%	1	8.55	$ 70.00	$ 598.50	$ 4,740.25	$ 5,338.75	$ 5,338.75
108			FCU-204: Fan Coil Unit, MITSUBISHI PEFY-M24NMAU-A, Unit Type: High-Wall Ductless, 2.00 Ton	EA	1	0%	1	8.55	$ 70.00	$ 598.50	$ 4,740.25	$ 5,338.75	$ 5,338.75
109			FCU-205: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41

DETAILED BREAKDOWN OF ITEMS

Prepared for: Chukchansi Proposed New Secure Council, 711 Lucky Lane Coarsegold, California
Project ID: 6032026
Scope: HVAC

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Date: 7-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
110			FCU-206: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.5	EA	1	0%	1	7.25	$ 70.00	$ 507.50	$ 3,258.40	$ 3,765.90	$ 3,765.90
111			FCU-207: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
112			FCU-208: Fan Coil Unit, MITSUBISHI PEFY-M96NMHU-A, Unit Type: Ceiling Concealed Ducted, 8.0	EA	1	0%	1	22.50	$ 70.00	$ 1,575.00	$ 11,200.00	$ 12,775.00	$ 12,775.00
113			FCU-209: Fan Coil Unit, MITSUBISHI PEFY-M06NMAU-A, Unit Type: Ceiling Concealed Ducted, 0.5	EA	1	0%	1	4.55	$ 70.00	$ 318.50	$ 1,341.60	$ 1,660.10	$ 1,660.10
114			FCU-210: Fan Coil Unit, MITSUBISHI PEFY-M15NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.2	EA	1	0%	1	6.55	$ 70.00	$ 458.50	$ 3,180.24	$ 3,638.74	$ 3,638.74
115			FCU-211: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
116			FCU-212: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.0	EA	1	0%	1	5.55	$ 70.00	$ 388.50	$ 2,617.91	$ 3,006.41	$ 3,006.41
117			FCU-301: Fan Coil Unit, MITSUBISHI PEFY-M24NMAU-A, Unit Type: High-Wall Ductless, 2.00 Ton	EA	1	0%	1	8.55	$ 70.00	$ 598.50	$ 4,740.25	$ 5,338.75	$ 5,338.75
118			FCU-302: Fan Coil Unit, MITSUBISHI PEFY-M15NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.2	EA	1	0%	1	6.55	$ 70.00	$ 458.50	$ 3,180.24	$ 3,638.74	$ 3,638.74
119			FCU-303: Fan Coil Unit, MITSUBISHI PEFY-M48NMAU-A, Unit Type: Ceiling Concealed Ducted, 4.0	EA	1	0%	1	10.55	$ 70.00	$ 738.50	$ 6,827.75	$ 7,566.25	$ 7,566.25
120			FCU-304: Fan Coil Unit, MITSUBISHI PEFY-M48NMAU-A, Unit Type: Ceiling Concealed Ducted, 4.0	EA	1	0%	1	10.55	$ 70.00	$ 738.50	$ 6,827.75	$ 7,566.25	$ 7,566.25
121			FCU-305: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.5	EA	1	0%	1	7.25	$ 70.00	$ 507.50	$ 3,258.40	$ 3,765.90	$ 3,765.90
122			FCU-306: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling Concealed Ducted, 1.5	EA	1	0%	1	7.25	$ 70.00	$ 507.50	$ 3,258.40	$ 3,765.90	$ 3,765.90
			CONDENSING UNIT										
123			CU-1: VRF Outdoor Condensing Unit, MITSUBISHI PURY-EM168TXU-A, Heat Recovery Product Typ	EA	1	0%	1	90.00	$ 70.00	$ 6,300.00	$ 31,800.00	$ 38,100.00	$ 38,100.00
124			CU-2: VRF Outdoor Condensing Unit, MITSUBISHI PURY-EM264TSXU-A, Heat Recovery Product Ty	EA	1	0%	1	120.00	$ 70.00	$ 8,400.00	$ 49,971.43	$ 58,371.43	$ 58,371.43
125			CU-3: VRF Outdoor Condensing Unit, MITSUBISHI PURY-EM168TXU-A, Heat Recovery Product Typ	EA	1	0%	1	90.00	$ 70.00	$ 6,300.00	$ 31,800.00	$ 38,100.00	$ 38,100.00
			EXHAUST FAN										
126			EF-1: Exhaust Fan, COOK ACE-D VF, Fan Data: Fan Type: Down blast Centrifugal, Drive Type: Direct	EA	1	0%	1	6.05	$ 70.00	$ 423.50	$ 2,263.14	$ 2,686.64	$ 2,686.64
127			EF-2: Exhaust Fan, COOK SQN-D, Fan Data: Fan Type: Square, Inline, Drive Type: Direct - ECM, Airfl	EA	1	0%	1	5.25	$ 70.00	$ 367.50	$ 1,732.57	$ 2,100.07	$ 2,100.07
128			EF-3: Exhaust Fan, COOK SQN-D, Fan Data: Fan Type: Square, Inline, Drive Type: Direct - ECM, Airfl	EA	1	0%	1	4.99	$ 70.00	$ 349.30	$ 1,662.00	$ 2,011.30	$ 2,011.30
129			EF-4: Exhaust Fan, COOK SQN-D, Fan Data: Fan Type: Square, Inline, Drive Type: Direct - ECM, Airfl	EA	1	0%	1	4.72	$ 70.00	$ 330.40	$ 1,546.80	$ 1,877.20	$ 1,877.20
130			EF-5: Exhaust Fan, COOK GC-148, Fan Data: Fan Type: Ceiling Mounted, Drive Type: Direct, Airflow:	EA	1	0%	1	2.12	$ 70.00	$ 148.40	$ 386.34	$ 534.74	$ 534.74
			DEDICATED OUTSIDE AIR SYSTEM										
131			DOAS-1: DOAS Heat Pump, VALENT VX-212-15A-1-E2, Supply Fan System: 3600 CFM Airflow, 0.75	EA	1	0%	1	121.50	$ 70.00	$ 8,505.00	$ 30,750.00	$ 39,255.00	$ 39,255.00
			BRANCH SELECTOR										
132			BCC-1: VRF Branch Selector, MITSUBISHI CMB-M108NU-MA-SV, No. Of Branches: 8, Max Branch	EA	1	0%	1	6.55	$ 70.00	$ 458.50	$ 4,050.00	$ 4,508.50	$ 4,508.50
133			BCC-1A: VRF Branch Selector, MITSUBISHI CMB-M108NU-MA-SV, No. Of Branches: 8, Max Branc	EA	1	0%	1	8.98	$ 70.00	$ 628.60	$ 4,850.00	$ 5,478.60	$ 5,478.60
134			BCC-2: VRF Branch Selector, MITSUBISHI CMB-M1012NU-MA-SV, No. Of Branches: 12, Max Branc	EA	1	0%	1	8.98	$ 70.00	$ 628.60	$ 4,850.00	$ 5,478.60	$ 5,478.60
135			BCC-3: VRF Branch Selector, MITSUBISHI CMB-M106NU-MA-SV, No. Of Branches: 6, Max Branch	EA	1	0%	1	10.22	$ 70.00	$ 715.40	$ 6,150.00	$ 6,865.40	$ 6,865.40
			DAMPERS										
136			6" Dia Volume Damper	EA	96	0%	96	0.450	$ 70.00	$ 31.50	$ 55.69	$ 87.19	$ 8,370.00
137			8" Dia Volume Damper	EA	16	0%	16	0.48	$ 70.00	$ 33.60	$ 65.81	$ 99.41	$ 1,590.60
138			10" Dia Volume Damper	EA	2	0%	2	0.500	$ 70.00	$ 35.00	$ 81.00	$ 116.00	$ 232.00
139			12" Dia Volume Damper	EA	1	0%	1	0.550	$ 70.00	$ 38.50	$ 96.19	$ 134.69	$ 134.69
140			15" Dia Volume Damper	EA	2	0%	2	0.625	$ 70.00	$ 43.75	$ 126.56	$ 170.31	$ 340.63
141			8"x8" Volume Damper	EA	1	0%	1	0.37	$ 70.00	$ 25.82	$ 86.06	$ 111.88	$ 111.88
142			24"x6" Volume Damper	EA	2	0%	2	0.46	$ 70.00	$ 31.89	$ 106.31	$ 138.21	$ 276.41
143			36"x6" Volume Damper	EA	4	0%	4	0.61	$ 70.00	$ 42.53	$ 141.75	$ 184.28	$ 737.10
144			6" Dia Remote Cable Operated Damper	EA	26	0%	26	0.78	$ 70.00	$ 54.68	$ 182.25	$ 236.93	$ 6,160.05
145			8" Dia Remote Cable Operated Damper	EA	10	0%	10	0.91	$ 70.00	$ 63.79	$ 212.63	$ 276.41	$ 2,764.13
146			10" Dia Remote Cable Operated Damper	EA	7	0%	7	1.04	$ 70.00	$ 72.90	$ 243.00	$ 315.90	$ 2,211.30
147			15" Dia Remote Cable Operated Damper	EA	1	0%	1	1.39	$ 70.00	$ 97.20	$ 324.00	$ 421.20	$ 421.20
148			6" Dia Fire Damper	EA	11	0%	11	0.78	$ 70.00	$ 54.68	$ 182.25	$ 236.93	$ 2,606.18
149			8" Dia Fire Damper	EA	1	0%	1	0.91	$ 70.00	$ 63.79	$ 212.63	$ 276.41	$ 276.41
150			15" Dia Fire Damper	EA	3	0%	3	1.56	$ 70.00	$ 109.35	$ 364.50	$ 473.85	$ 1,421.55
151			6"x8" Fire Damper	EA	2	0%	2	0.95	$ 70.00	$ 66.83	$ 222.75	$ 289.58	$ 579.15
152			8"x8" Fire Damper	EA	5	0%	5	1.04	$ 70.00	$ 72.90	$ 243.00	$ 315.90	$ 1,579.50
153			10"x8" Fire Damper	EA	1	0%	1	1.13	$ 70.00	$ 78.98	$ 263.25	$ 342.23	$ 342.23
154			10"x10" Fire Damper	EA	1	0%	1	1.19	$ 70.00	$ 83.53	$ 278.44	$ 361.97	$ 361.97
155			12"x8" Fire Damper	EA	2	0%	2	1.24	$ 70.00	$ 86.57	$ 288.56	$ 375.13	$ 750.26
156			12"x10" Fire Damper	EA	1	0%	1	1.35	$ 70.00	$ 94.16	$ 313.88	$ 408.04	$ 408.04
157		**Assumed**	14"x8" Fire Damper	EA	2	0%	2	1.41	$ 70.00	$ 98.72	$ 329.06	$ 427.78	$ 855.56
158			14"x12" Fire Damper	EA	4	0%	4	1.56	$ 70.00	$ 109.35	$ 364.50	$ 473.85	$ 1,895.40
159			18"x10" Fire Damper	EA	4	0%	4	1.69	$ 70.00	$ 118.46	$ 394.88	$ 513.34	$ 2,053.35
160			18"x24" Fire Damper	EA	1	0%	1	2.82	$ 70.00	$ 197.44	$ 658.13	$ 855.56	$ 855.56
161			24"x6" Fire Damper	EA	27	0%	27	1.69	$ 70.00	$ 118.46	$ 394.88	$ 513.34	$ 13,860.11
162			34"x14" Fire Damper	EA	1	0%	1	3.12	$ 70.00	$ 218.70	$ 729.00	$ 947.70	$ 947.70
163			36"x6" Fire Damper	EA	5	0%	5	1.95	$ 70.00	$ 136.69	$ 455.63	$ 592.31	$ 2,961.56
164			42"x20" Fire Damper	EA	1	0%	1	4.12	$ 70.00	$ 288.56	$ 961.88	$ 1,250.44	$ 1,250.44
165			48"x6" Fire Damper	EA	1	0%	1	2.26	$ 70.00	$ 157.95	$ 526.50	$ 684.45	$ 684.45
			DUCT WEIGHT										
166			Galvanized Sheet Metal Coating Is To Be Able To Be Formed With Back To Back Bends In Seams Such As The Pittsburgh Lock At High Speed Without Cracking Or Flaking Of The coating On The Outside Of The Bend (Comply ASTM A653/ A653 M)	LB	9088	10%	9997	0.045	$ 70.00	$ 3.15	$ 3.14	$ 6.29	$ 62,880.43
			DUCT INSULATION										
167			3" Thick Glass Fiber Blanket Duct Wrap And 0.75 LB/CU FT. 1.5 LB/CU. FT Nominal Density **(All Supply, Return, Exhaust & Outside Air Duct)**	SF	8596	10%	9455	0.030	$ 70.00	$ 2.10	$ 2.20	$ 4.30	$ 40,657.57
			MISCELLANEOUS										
168		**Assumed**	6" Dia Wire Mesh Screen	EA	1	0%	1	0.20	$ 70.00	$ 14.00	$ 18.50	$ 32.50	$ 32.50
169			1-1/4" Dia Wall Cleanout	EA	23	0%	23	0.55	$ 70.00	$ 38.50	$ 35.55	$ 74.05	$ 1,703.15
170			Access Panel	EA	1	0%	1	1.02	$ 70.00	$ 71.40	$ 105.50	$ 176.90	$ 176.90
			PVC PIPE COUPLING										
171			1-1/4" Dia	EA	97	0%	97						
			PIPE SUPPORTS										
172			1/4" Dia Adjustable Clevis Hanger	EA	317	0%	317						
173			1/2" Dia Adjustable Clevis Hanger	EA	317	0%	317						
174			1-1/4" Dia Adjustable Clevis Hanger	EA	162	0%	162						
175			3/8" Dia Threaded Rod (1 Ea. = 1 FT)	EA	796	0%	796	0.120	$ 70.00	$ 8.40	$ 2.50	$ 10.90	$ 8,676.40
			DUCT SUPPORTS										
176			3/8" Threaded Rod	EA	584	0%	584	0.120	$ 70.00	$ 8.40	$ 2.50	$ 10.90	$ 6,365.60
177			1" x 22 Ga. Strap	EA	292	0%	292	0.100	$ 70.00	$ 7.00	$ 2.25	$ 9.25	$ 2,701.00
												SUBTOTAL	$ 702,280

	PROJECTED COST	**$767,280**
OVERHEAD AND PROFIT	**25%**	**$191,820**
INSURANCE	**3%**	**$23,018**
CONTINGENCY	**5%**	**$38,364**
TAX	**8%**	**$36,366**
SUGGESTED BID		**$1,056,848**

BREAKDOWN OF DUCT ITEMS

Prepared for: Chukchansi Proposed New Secure Council, 711 Lucky Lane Coarsegold, California
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Scope: HVAC

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
	HVAC				
	GALVANIZED SHEET METAL DUCT				
1	6" Dia Supply Air Duct	LF	331	10%	364
2	8" Dia Supply Air Duct	LF	109	10%	120
3	10" Dia Supply Air Duct	LF	13	10%	14
4	15" Dia Supply Air Duct	LF	12	10%	13
5	6"x8" Supply Air Duct	LF	35	10%	38
6	6"x12" Supply Air Duct	LF	42	10%	46
7	8"x8" Supply Air Duct	LF	189	10%	208
8	8"x10" Supply Air Duct	LF	35	10%	39
9	10"x8" Supply Air Duct	LF	41	10%	45
10	10"x10" Supply Air Duct	LF	34	10%	37
11	10"x12" Supply Air Duct	LF	69	10%	76
12	12"x8" Supply Air Duct	LF	118	10%	130
13	12"x10" Supply Air Duct	LF	41	10%	45
14	14"x8" Supply Air Duct	LF	112	10%	123
15	14"x10" Supply Air Duct	LF	11	10%	12
16	14"x12" Supply Air Duct	LF	51	10%	56
17	16"x10" Supply Air Duct	LF	17	10%	18
18	16"x12" Supply Air Duct	LF	5	10%	5
19	18"x10" Supply Air Duct	LF	14	10%	15
20	20"x8" Supply Air Duct	LF	10	10%	12
21	20"x18" Supply Air Duct	LF	18	10%	20
22	24"x6" Supply Air Duct	LF	4	10%	5
23	34"x8" Supply Air Duct	LF	4	10%	5
24	34"x14" Supply Air Duct	LF	101	10%	111
25	36"x6" Supply Air Duct	LF	11	10%	12
26	36"x12" Supply Air Duct	LF	13	10%	14
27	42"x20" Supply Air Duct	LF	8	10%	9
28	54"x8" Supply Air Duct	LF	10	10%	11
29	120"x4" Supply Air Duct	LF	3	10%	4
30	6" Dia Exhaust Air Duct	LF	180	10%	198
31	8" Dia Exhaust Air Duct	LF	32	10%	35
32	6"x10" Exhaust Air Duct	LF	68	10%	75
33	8"x8" Exhaust Air Duct	LF	182	10%	201
34	8"x12" Exhaust Air Duct	LF	18	10%	19
35	10"x8" Exhaust Air Duct	LF	26	10%	29
36	12"x10" Exhaust Air Duct	LF	6	10%	7
37	12"x8" Exhaust Air Duct	LF	20	10%	22
38	12"x12" Exhaust Air Duct	LF	13	10%	15
39	14"x8" Exhaust Air Duct	LF	14	10%	16
40	16"x10" Exhaust Air Duct	LF	55	10%	60
41	22"x8" Exhaust Air Duct	LF	46	10%	50

BREAKDOWN OF DUCT ITEMS

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
42	24"x20" Exhaust Air Duct	LF	2	10%	2
43	24"x24" Exhaust Air Duct	LF	17	10%	19
44	26"x8" Exhaust Air Duct	LF	5	10%	5
45	26"x26" Exhaust Air Duct	LF	2	10%	3
46	28"x28" Exhaust Air Duct	LF	2	10%	3
47	6" Dia Outside Air Duct	LF	373	10%	410
48	8" Dia Outside Air Duct	LF	100	10%	110
49	10" Dia Outside Air Duct	LF	21	10%	23
50	12" Dia Outside Air Duct	LF	20	10%	22
51	6"x12" Outside Air Duct	LF	21	10%	23
52	10"x8" Outside Air Duct	LF	21	10%	23
53	10"x10" Outside Air Duct	LF	18	10%	20
54	14"x8" Outside Air Duct	LF	12	10%	14
55	14"x10" Outside Air Duct	LF	21	10%	23
56	14"x12" Outside Air Duct	LF	78	10%	86
57	18"x10" Outside Air Duct	LF	23	10%	26
58	18"x24" Outside Air Duct	LF	11	10%	12
59	20"x18" Outside Air Duct	LF	17	10%	19
60	24"x18" Outside Air Duct	LF	38	10%	42

MATERIAL LIST

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
			GENERAL REQUIREMENTS		
1			Permits	LS	1
2			Supervision and Coordination	LS	1
3			Submittals and Shop drawings	LS	1
4			Final Cleaning	LS	1
5			Mobilization Costs	LS	1
6			Temporary Control & Facilities	LS	1
7			Scaffolding	LS	1
			HVAC		
			FLEXIBLE DUCT		
8			6" Dia Flexible Duct	EA	32
9			8" Dia Flexible Duct	EA	8
10			10" Dia Flexible Duct	EA	3
11			15" Dia Flexible Duct	EA	2
			REFRIGERANT PIPE		
		Assumed	**Type "ACR" Copper Tubing With Fittings**		
12			5/8" Dia Refrigerant Suction Pipe	EA	190
13			3/8" Dia Refrigerant Liquid Pipe	EA	190
		Assumed	**1/2" Thick Fiberglass Pipe Insulation**		
14			5/8" Dia Refrigerant Suction Pipe	EA	190
15			3/8" Dia Refrigerant Liquid Pipe	EA	190
			REFRIGERANT PIPE FITTINGS		
			ELBOW		
16			5/8" Dia Refrigerant Suction Pipe 45 Deg Elbow	EA	6
17			3/8" Dia Refrigerant Liquid Pipe 45 Deg Elbow	EA	6
18			5/8" Dia Refrigerant Suction Pipe 90 Deg Elbow	EA	164
19			3/8" Dia Refrigerant Liquid Pipe 90 Deg Elbow	EA	164
			CONDENSATE DRAIN PIPE		
		Assumed	**Schedule 40 PVC Pipe With Fittings**		
20			1-1/4" Dia Condensate Drain Pipe	EA	97
		Assumed	**1/2" Thick Fiberglass Pipe Insulation**		
21			1-1/4" Dia Condensate Drain Pipe	EA	97
			CONDENSATE DRAIN FITTINGS		
			ELBOW		
22			1-1/4" Dia Condensate Drain Pipe 90 Deg Elbow	EA	70
			TEE		
23			1-1/4" Dia Condensate Drain Pipe Tee	EA	43
24			1-1/4" Dia Condensate Drain Pipe Cross Tee	EA	3
			AIR DEVICES		
25			CD-1: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	5
26			CD-1: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	1
27			CD-1: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size,	EA	5
28			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	1
29			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	1
30			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	3
31			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	2
32			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	15
33			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	5
34			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	3
35			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	5
36			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	4
37			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	4
38			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	3
39			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	2
40			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	1
41			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	3

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42			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	2
43			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	1
44			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	1
45			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	5
46			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	2
47			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	1
48			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	2
49			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 6" Dia Neck Size,	EA	2
50			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size,	EA	2
51			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size,	EA	2
52			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size,	EA	1
53			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size,	EA	1
54			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size,	EA	1
55			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 8" Dia Neck Size,	EA	2
56			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 10" Dia Neck Size	EA	2
57			CD-2: Square Plaque Supply Air Ceiling Diffuser, PRICE SPD, 15" Dia Neck Size	EA	3
58			EG-1: Exhaust Air Ceiling Grille, PRICE PDR, 6" Dia Neck Size, 12"x12" Face Si	EA	14
59			EG-1: Exhaust Air Ceiling Grille, PRICE PDR, 6" Dia Neck Size, 12"x12" Face Si	EA	4
60			EG-2: Exhaust Air Ceiling Grille, PRICE PDR, 6" Dia Neck Size, 24"x24" Face Si	EA	3
61			EG-2: Exhaust Air Ceiling Grille, PRICE PDR, 8" Dia Neck Size, 24"x24" Face Si	EA	3
62			EG-3: Exhaust Air Wall Grille, PRICE 530L, 8"x8" Neck Size, 10"x10" Face Size	EA	1
63			EL-1: Exhaust Air Wall Louvers, POTTORFF ECD, 24"x20" Neck Size, 26"x22"	EA	1
64			EL-1: Exhaust Air Wall Louvers, POTTORFF ECD, 28"x28" Neck Size, 30"x30"	EA	1
65			EL-1: Exhaust Air Wall Louvers, POTTORFF ECD, 28"x28" Neck Size, 30"x30"	EA	1
66			LBR-1: Linear Bar Grille, PRICE CT-580, 36"x6" Neck Size, 38"x8" Face Size, M	EA	2
67			LBR-1: Linear Bar Grille, PRICE CT-580, 48"x6" Neck Size, 50"x8" Face Size, M	EA	1
68			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 24"x6" Neck Size, 26"x8"	EA	2
69			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 36"x6" Neck Size, 38"x8"	EA	1
70			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 36"x6" Neck Size, 38"x8"	EA	2
71			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 36"x6" Neck Size, 38"x8"	EA	1
72			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 54"x8" Neck Size, 120"x4	EA	1
73			LBS-1: Linear Bar Supply Air Diffuser, PRICE CT-581, 120"x4" Neck Size, 122"	EA	1
74			LD-1: Supply Air Linear Diffuser, PRICE SDS, 6" Dia Neck Size, 2'-0" Length, 1	EA	1
75			LD-1: Supply Air Linear Diffuser, PRICE SDS, 6" Dia Neck Size, 4'-0" Length, 1	EA	1
76			LD-1: Supply Air Linear Diffuser, PRICE SDS, 6" Dia Neck Size, 4'-0" Length, 1	EA	1
77			LD-1: Supply Air Linear Diffuser, PRICE SDS, 6" Dia Neck Size, 4'-0" Length, 1	EA	1
78			LD-1: Supply Air Linear Diffuser, PRICE SDS, 8" Dia Neck Size, 5'-0" Length, 1	EA	2
79			LD-1: Supply Air Linear Diffuser, PRICE SDS, 10" Dia Neck Size, 5'-0" Length, 1	EA	6
80			LD-1: Supply Air Linear Diffuser, PRICE SDS, 8" Dia Neck Size, 4'-0" Length, 2	EA	4
81			LD-1: Supply Air Linear Diffuser, PRICE SDS, 10" Dia Neck Size, 5'-0" Length, 2	EA	1
82			RAS: Return Air Wall Grille, PRICE RAS, 24"x6" Face Size, Material: Steel, Fi	EA	52
83			RAS: Return Air Wall Grille, PRICE RAS, 32"x6" Face Size, Material: Steel, Fi	EA	10
84			RG-1: Return Air Ceiling Grille, PRICE PDR, 24"x12" Face Size, Material: Alumi	EA	52
85			RG-2: Return Air Ceiling Grille, PRICE PDR, 24"x24" Face Size, Material: Alumi	EA	3
86			LR-1: Return Air Linear Diffuser, PRICE SDR, 6" Dia Neck Size, 4'-0" Length, M	EA	8
87			SR-1: Supply Air Wall Register, PRICE 530L, 10"x6" Neck Size, 10"x6" Face Siz	EA	1
88			SR-1: Supply Air Wall Register, PRICE 530L, 12"x6" Neck Size, 12"x6" Face Siz	EA	1
89			LBR-1: Linear Bar Return Air Grille, PRICE CT-580, 120"x4" Length, Material: A	EA	1
90			LBR-1: Linear Bar Return Air Grille, PRICE CT-580, 122"x6" Length, Material: A	EA	1
			FAN COIL UNIT		
91			FCU-101: Fan Coil Unit, MITSUBISHI PEFY-M15NMAU-A, Unit Type: Ceiling	EA	1
92			FCU-102: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling	EA	1
93			FCU-103: Fan Coil Unit, MITSUBISHI PEFY-M15NMAU-A, Unit Type: Ceiling	EA	1
94	**M-201, M-202, M-203, M-301, M-302, M-303**		FCU-104: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
95			FCU-105: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
96			FCU-106: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling	EA	1
97			FCU-107: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
98			FCU-108: Fan Coil Unit, MITSUBISHI PEFY-M15NMAU-A, Unit Type: Ceiling	EA	1
99			FCU-109: Fan Coil Unit, MITSUBISHI PEFY-M06NMAU-A, Unit Type: Ceiling	EA	1
100			FCU-110: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
101			FCU-111: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
102			FCU-112: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
103			FCU-113: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
104			FCU-114: Fan Coil Unit, MITSUBISHI PEFY-M24NKMU-A, Unit Type: High-W	EA	1

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105			FCU-201: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling	EA	1
106			FCU-202: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
107			FCU-203: Fan Coil Unit, MITSUBISHI PEFY-M24NMAU-A, Unit Type: High-W	EA	1
108			FCU-204: Fan Coil Unit, MITSUBISHI PEFY-M24NMAU-A, Unit Type: High-W	EA	1
109			FCU-205: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
110			FCU-206: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling	EA	1
111			FCU-207: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
112			FCU-208: Fan Coil Unit, MITSUBISHI PEFY-M96NMHU-A, Unit Type: Ceiling	EA	1
113			FCU-209: Fan Coil Unit, MITSUBISHI PEFY-M06NMAU-A, Unit Type: Ceiling	EA	1
114			FCU-210: Fan Coil Unit, MITSUBISHI PEFY-M15NMAU-A, Unit Type: Ceiling	EA	1
115			FCU-211: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
116			FCU-212: Fan Coil Unit, MITSUBISHI PEFY-M12NMAU-A, Unit Type: Ceiling	EA	1
117			FCU-301: Fan Coil Unit, MITSUBISHI PEFY-M24NMAU-A, Unit Type: High-W	EA	1
118			FCU-302: Fan Coil Unit, MITSUBISHI PEFY-M15NMAU-A, Unit Type: Ceiling	EA	1
119			FCU-303: Fan Coil Unit, MITSUBISHI PEFY-M48NMAU-A, Unit Type: Ceiling	EA	1
120			FCU-304: Fan Coil Unit, MITSUBISHI PEFY-M48NMAU-A, Unit Type: Ceiling	EA	1
121			FCU-305: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling	EA	1
122			FCU-306: Fan Coil Unit, MITSUBISHI PEFY-M18NMAU-A, Unit Type: Ceiling	EA	1
			CONDENSING UNIT		
123			CU-1: VRF Outdoor Condensing Unit, MITSUBISHI PURY-EM168TXU-A, Heat	EA	1
124			CU-2: VRF Outdoor Condensing Unit, MITSUBISHI PURY-EM264TSXU-A, He	EA	1
125			CU-3: VRF Outdoor Condensing Unit, MITSUBISHI PURY-EM168TXU-A, Heat	EA	1
			EXHAUST FAN		
126			EF-1: Exhaust Fan, COOK ACE-D VF, Fan Data: Fan Type: Down blast Centrifug	EA	1
127			EF-2: Exhaust Fan, COOK SQN-D, Fan Data: Fan Type: Square, Inline, Drive Typ	EA	1
128			EF-3: Exhaust Fan, COOK SQN-D, Fan Data: Fan Type: Square, Inline, Drive Typ	EA	1
129			EF-4: Exhaust Fan, COOK SQN-D, Fan Data: Fan Type: Square, Inline, Drive Typ	EA	1
130			EF-5: Exhaust Fan, COOK GC-148, Fan Data: Fan Type: Ceiling Mounted, Drive	EA	1
			DEDICATED OUTSIDE AIR SYSTEM		
131			DOAS-1: DOAS Heat Pump, VALENT VX-212-15A-1-E2, Supply Fan System: 3	EA	1
			BRANCH SELECTOR		
132			BCC-1: VRF Branch Selector, MITSUBISHI CMB-M108NU-MA-SV, No. Of Bra	EA	1
133			BCC-1A: VRF Branch Selector, MITSUBISHI CMB-M108NU-MA-SV, No. Of B	EA	1
134			BCC-2: VRF Branch Selector, MITSUBISHI CMB-M1012NU-MA-SV, No. Of B	EA	1
135			BCC-3: VRF Branch Selector, MITSUBISHI CMB-M106NU-MA-SV, No. Of Bra	EA	1
			DAMPERS		
136			6" Dia Volume Damper	EA	96
137			8" Dia Volume Damper	EA	16
138			10" Dia Volume Damper	EA	2
139			12" Dia Volume Damper	EA	1
140			15" Dia Volume Damper	EA	2
141			8"x8" Volume Damper	EA	1
142			24"x6" Volume Damper	EA	2
143			36"x6" Volume Damper	EA	4
144			6" Dia Remote Cable Operated Damper	EA	26
145			8" Dia Remote Cable Operated Damper	EA	10
146			10" Dia Remote Cable Operated Damper	EA	7
147			15" Dia Remote Cable Operated Damper	EA	1
148			6" Dia Fire Damper	EA	11
149			8" Dia Fire Damper	EA	1
150			15" Dia Fire Damper	EA	3
151			6"x8" Fire Damper	EA	2
152			8"x8" Fire Damper	EA	5
153			10"x8" Fire Damper	EA	1
154			10"x10" Fire Damper	EA	1
155			12"x8" Fire Damper	EA	2
156			12"x10" Fire Damper	EA	1
157		**Assumed**	14"x8" Fire Damper	EA	2
158			14"x12" Fire Damper	EA	4
159			18"x10" Fire Damper	EA	4
160			18"x24" Fire Damper	EA	1
161			24"x6" Fire Damper	EA	27
162			34"x14" Fire Damper	EA	1
163			36"x6" Fire Damper	EA	5

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164			42"x20" Fire Damper	EA	1
165			48"x6" Fire Damper	EA	1
			DUCT WEIGHT		
166			Galvanized Sheet Metal Coating Is To Be Able To Be Formed With Back To Back Bends In Seams Such As The Pittsburgh Lock At High Speed Without Cracking Or Flaking Of The coating On The Outside Of The Bend (Comply ASTM A653/ A653 M)	LB	9088
			DUCT INSULATION		
167			3" Thick Glass Fiber Blanket Duct Wrap And 0.75 LB/CU FT. 1.5 LB/CU. FT Nominal Density **(All Supply, Return, Exhaust & Outside Air Duct)**	SF	8596
			MISCELLANEOUS		
168		**Assumed**	6" Dia Wire Mesh Screen	EA	1
169			1-1/4" Dia Wall Cleanout	EA	23
170			Access Panel	EA	1
			PVC PIPE COUPLING		
171			1-1/4" Dia	EA	97
			PIPE SUPPORTS		
172			1/4" Dia Adjustable Clevis Hanger	EA	317
173			1/2" Dia Adjustable Clevis Hanger	EA	317
174			1-1/4" Dia Adjustable Clevis Hanger	EA	162
175			3/8" Dia Threaded Rod (1 Ea. = 1 FT)	EA	796
			DUCT SUPPORTS		
176			3/8" Threaded Rod	EA	584
177			1" x 22 Ga. Strap	EA	292