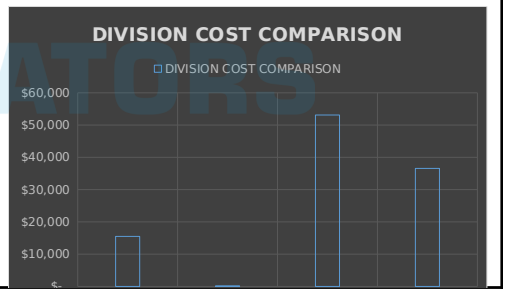
GENERAL SUMMARY

Prepared for: Fountain City Animal Hospital - T.I., 2415 Summit Street, Kansas City, MO 64108
Project ID: 6122025
Scope: MEP
No. Of Floors: 1
Date: 23-Sep-26

USA ESTIMATORS

BUILDING GSF		2617	
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	$ 15,500	$ 5.92
2000	Existing Condition	$ 170	$ 0.06
22000	Plumbing	$ 53,114	$ 20.30
23000	HVAC	$ 36,565	$ 13.97
26000	Electrical	$ 40,790	$ 15.59
27000	Communication	$ 3,999	$ 1.53
TOTAL TRADE COST		$ 150,138	$ 57.37
OVERHEAD AND PROFIT	15%	$ 22,521	$ 8.61
INSURANCE	3%	$ 4,504	$ 1.72
CONTINGENCY	5%	$ 7,507	$ 2.87
TAX	10.98%	$ 8,585	$ 6.30
SUGGESTED BID		$ 193,255	$ 77



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DETAILED BREAKDOWN OF ITEMS

Prepared for: Fountain City Animal Hospital - T.I., 2415 Summit Street, Kansas City, MO 64108
Project ID: 6122025
Scope: MEP

USA ESTIMATORS

Date: 23-Sep-26

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	$ -	$ -	$ -	$ 7,000.00	$ 7,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	$ -	$ -	$ -		$ -
4			Final Cleaning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 2,500.00	$ 2,500.00
5			Mobilization Costs	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 4,000.00	$ 4,000.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 2,000.00	$ 2,000.00
7			Scaffolding	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
												SUBTOTAL	**$ 15,500**
			EXISTING CONDITIONS										
			DEMOLITION										
8	D101		Existing Water Closet To Be Removed	EA	1	0%	1	0.900	$ 100.00	$ 90.00	$ -	$ 90.00	$ 90.00
9			Existing Lavatory To Be Removed	EA	1	0%	1	0.800	$ 100.00	$ 80.00	$ -	$ 80.00	$ 80.00
												SUBTOTAL	**$ 170**
			PLUMBING										
			COLD WATER PIPE (BELOW GRADE)										
			Type "A" Pex Pipe With Fittings										
10			1" Dia Cold Water Pipe	LF	17	10%	18	0.070	$ 100.00	$ 7.00	$ 2.56	$ 9.56	$ 174.36
			COLD WATER PIPE FITTINGS										
			ELBOW										
11			1" Dia Cold Water Pipe 90 Deg Elbow	EA	3	0%	3	0.300	$ 100.00	$ 30.00	$ 6.50	$ 36.50	$ 109.50
			COLD WATER PIPE (ABOVE GRADE)										
			Type "A" Pex Pipe With Fittings										
12			1/2" Dia Cold Water Pipe	LF	65	10%	71	0.060	$ 100.00	$ 6.00	$ 1.75	$ 7.75	$ 550.80
13			3/4" Dia Cold Water Pipe	LF	5	10%	6	0.070	$ 100.00	$ 7.00	$ 2.15	$ 9.15	$ 51.33
14			1" Dia Cold Water Pipe	LF	104	10%	115	0.080	$ 100.00	$ 8.00	$ 2.88	$ 10.88	$ 1,248.38
			1/2" Thick Fiberglass Insulation										
15			1/2" Dia Cold Water Pipe	LF	65	10%	71	0.030	$ 100.00	$ 3.00	$ 1.97	$ 4.97	$ 353.22
16			3/4" Dia Cold Water Pipe	LF	5	10%	6	0.035	$ 100.00	$ 3.50	$ 2.15	$ 5.65	$ 31.70
17			1" Dia Cold Water Pipe	LF	104	10%	115	0.040	$ 100.00	$ 4.00	$ 2.36	$ 6.36	$ 729.75
			COLD WATER PIPE FITTINGS										
			ELBOW										
18			1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	5	0%	5	0.250	$ 100.00	$ 25.00	$ 2.50	$ 27.50	$ 137.50
19			3/4" Dia Cold Water Pipe 90 Deg Elbow	EA	2	0%	2	0.275	$ 100.00	$ 27.50	$ 3.68	$ 31.18	$ 62.36
20			1" Dia Cold Water Pipe 90 Deg Elbow	EA	10	0%	10	0.300	$ 100.00	$ 30.00	$ 6.50	$ 36.50	$ 365.00
21			1" Dia Cold Water Pipe 45 Deg Elbow	EA	1	0%	1	0.300	$ 100.00	$ 30.00	$ 6.50	$ 36.50	$ 36.50
			TEE										
22			1" Dia Cold Water Pipe Tee	EA	2	0%	2	0.400	$ 100.00	$ 40.00	$ 8.80	$ 48.80	$ 97.60
23			1" / 1/2" Dia Cold Water Pipe Tee	EA	7	0%	7	0.400	$ 100.00	$ 40.00	$ 8.80	$ 48.80	$ 341.60
			REDUCER										
24			1" / 1/2" Dia Cold Water Pipe Reducer	EA	1	0%	1	0.300	$ 100.00	$ 30.00	$ 7.17	$ 37.17	$ 37.17
25			1" / 3/4" Dia Cold Water Pipe Reducer	EA	2	0%	2	0.300	$ 100.00	$ 30.00	$ 7.17	$ 37.17	$ 74.34
			HOT WATER PIPE (ABOVE GRADE)										
			Type "A" Pex Pipe With Fittings										
26			1/2" Dia Hot Water Pipe	LF	36	10%	40	0.060	$ 100.00	$ 6.00	$ 1.75	$ 7.75	$ 310.82
27			3/4" Dia Hot Water Pipe	LF	1	10%	1	0.070	$ 100.00	$ 7.00	$ 2.15	$ 9.15	$ 7.15
28			1" Dia Hot Water Pipe	LF	150	10%	165	0.080	$ 100.00	$ 8.00	$ 2.88	$ 10.88	$ 1,796.88
			1/2" Thick Fiberglass Insulation										
29			1/2" Dia Hot Water Pipe	LF	36	10%	40	0.030	$ 100.00	$ 3.00	$ 1.97	$ 4.97	$ 199.33
30			3/4" Dia Hot Water Pipe	LF	1	10%	1	0.035	$ 100.00	$ 3.50	$ 2.15	$ 5.65	$ 4.41
31			1" Dia Hot Water Pipe	LF	150	10%	165	0.040	$ 100.00	$ 4.00	$ 2.36	$ 6.36	$ 1,050.38
			HOT WATER PIPE FITTINGS										
			ELBOW										
32			1/2" Dia Hot Water Pipe 90 Deg Elbow	EA	5	0%	5	0.250	$ 100.00	$ 25.00	$ 2.50	$ 27.50	$ 137.50
33			1" Dia Hot Water Pipe 90 Deg Elbow	EA	13	0%	13	0.300	$ 100.00	$ 30.00	$ 6.50	$ 36.50	$ 474.50
34			1" Dia Hot Water Pipe 45 Deg Elbow	EA	1	0%	1	0.300	$ 100.00	$ 30.00	$ 6.50	$ 36.50	$ 36.50
			TEE										
35			1" / 1/2" Dia Hot Water Pipe Tee	EA	7	0%	7	0.400	$ 100.00	$ 40.00	$ 8.80	$ 48.80	$ 341.60
36			1" / 3/4" Dia Hot Water Pipe Tee	EA	1	0%	1	0.400	$ 100.00	$ 40.00	$ 8.80	$ 48.80	$ 48.80
			HOT WATER RETURN PIPE (ABOVE GRADE)										
			Type "A" Pex Pipe With Fittings										
37			1" Dia Hot Water Return Pipe	LF	30	10%	33	0.080	$ 100.00	$ 8.00	$ 2.88	$ 10.88	$ 363.35
			1/2" Thick Fiberglass Insulation										
38			1" Dia Hot Water Return Pipe	LF	30	10%	33	0.040	$ 100.00	$ 4.00	$ 2.36	$ 6.36	$ 212.40
			HOT WATER RETURN PIPE FITTINGS										
			ELBOW										
39			1" Dia Hot Water Return Pipe 90 Deg Elbow	EA	5	0%	5	0.300	$ 100.00	$ 30.00	$ 6.50	$ 36.50	$ 182.50
			WASTE PIPE (BELOW GRADE)										
			Schedule 40 Solid Wall PVC Pipe With Fittings										
40			2" Dia Waste Pipe	LF	78	10%	85	0.125	$ 100.00	$ 12.50	$ 2.79	$ 15.29	$ 1,303.81
41			3" Dia Waste Pipe	LF	70	10%	77	0.140	$ 100.00	$ 14.00	$ 3.66	$ 17.66	$ 1,357.49
			WASTE PIPE FITTINGS										
			ELBOW										
42			2" Dia Waste Pipe 90 Deg Elbow	EA	13	0%	13	0.600	$ 100.00	$ 60.00	$ 15.65	$ 75.65	$ 983.45
43			3" Dia Waste Pipe 90 Deg Elbow	EA	4	0%	4	0.725	$ 100.00	$ 72.50	$ 28.00	$ 100.50	$ 402.00
44			2" Dia Waste Pipe 45 Deg Elbow	EA	18	0%	18	0.600	$ 100.00	$ 60.00	$ 15.65	$ 75.65	$ 1,361.70
45			3" Dia Waste Pipe 45 Deg Elbow	EA	11	0%	11	0.725	$ 100.00	$ 72.50	$ 28.00	$ 100.50	$ 1,105.50
			WYE										
46			2" Dia Waste Pipe Wye	EA	10	0%	10	0.700	$ 100.00	$ 70.00	$ 21.52	$ 91.52	$ 915.20
47			3" Dia Waste Pipe Wye	EA	9	0%	9	0.825	$ 100.00	$ 82.50	$ 42.00	$ 124.50	$ 1,120.50
48			3" / 2" Dia Waste Pipe Wye	EA	4	0%	4	0.825	$ 100.00	$ 82.50	$ 42.00	$ 124.50	$ 498.00
			REDUCER										
49			3" / 2" Dia Waste Pipe Reducer	EA	2	0%	2	0.725	$ 100.00	$ 72.50	$ 32.00	$ 104.50	$ 209.00
			CONDENSATE DRAIN PIPE (ABOVE GRADE)										
			Type "M" Copper Pipe With Fittings										
50			3/4" Dia Condensate Drain Pipe	LF	13	10%	15	0.075	$ 100.00	$ 7.50	$ 6.50	$ 14.00	$ 206.67
			1/2" Thick Fiberglass Insulation										
51	P101, P201 & P202	Assumed	3/4" Dia Condensate Drain Pipe	LF	13	10%	15	0.035	$ 100.00	$ 3.50	$ 2.15	$ 5.65	$ 83.41
			CONDENSATE DRAIN PIPE FITTINGS										
			ELBOW										
52			3/4" Dia Condensate Drain Pipe 90 Deg Elbow	EA	3	0%	3	0.275	$ 100.00	$ 27.50	$ 4.78	$ 32.28	$ 96.84
			GAS PIPE (ABOVE GRADE)										
			Schedule 40 Black Steel Pipe With Malleable Iron Threaded Fittings										
53			3" Dia Gas Pipe	LF	107	10%	118	0.150	$ 100.00	$ 15.00	$ 36.68	$ 51.68	$ 6,076.48
			GAS PIPE FITTINGS										
			ELBOW										
54			3" Dia Gas Pipe 90 Deg Elbow	EA	5	0%	5	0.800	$ 100.00	$ 80.00	$ 65.00	$ 145.00	$ 725.00
			TEE										
55			3" Dia Gas Pipe Tee	EA	1	0%	1	1.000	$ 100.00	$ 100.00	$ 83.35	$ 183.35	$ 183.35
			PLUMBING FIXTURES										
56			BFP: Back Flow Preventor, WATTS LF009-QTS, Reduced Pressure Zone Assemb	EA	1	0%	1	2.500	$ 100.00	$ 250.00	$ 2,033.64	$ 2,283.64	$ 2,283.64
57			IMB: Ice Maker Box, SIOUX CHIEF 696-G1010WF, Provide With Stop Valve At	EA	1	0%	1	0.350	$ 100.00	$ 35.00	$ 72.69	$ 107.69	$ 107.69
58			LAV: Lavatory, KOHLER K-2084-N, White Wall Hung Vitreous China Lavatory	EA	1	0%	1	2.750	$ 100.00	$ 275.00	$ 661.35	$ 936.35	$ 936.35
59			SK1: Kitchen Sink, ELKAY LRAD291855, 18 Guage Stainless Steel Two Compa	EA	1	0%	1	3.000	$ 100.00	$ 300.00	$ 2,265.00	$ 2,565.00	$ 2,565.00
60			SK2: Kitchen Sink, ELKAY DLR1909010PD, Stainless Steel Sink With Lk406Gn0	EA	1	0%	1	3.000	$ 100.00	$ 300.00	$ 1,956.23	$ 2,256.23	$ 2,256.23
61			SK3: Kitchen Sink, ELKAY LRAD191865PD, Stainless Steel Drop-In Sink With	EA	1	0%	1	3.000	$ 100.00	$ 300.00	$ 1,720.23	$ 2,020.23	$ 2,020.23
62			WC: Water Closet, AMERICAN STANDARD 2467.016, 1.6GPF, Pressure Assist	EA	1	0%	1	3.150	$ 100.00	$ 315.00	$ 648.79	$ 963.79	$ 963.79
63			MS: Mop Sink, FIAT MSBIDTG2424, Molded Stone Integral Drain Mop Service	EA	1	0%	1	3.200	$ 100.00	$ 320.00	$ 822.79	$ 1,142.79	$ 1,142.79
64			WMB: Washing Machine Outlet Box With Frame, SIOUX CHIEF 696G2313MF,	EA	1	0%	1	0.600	$ 100.00	$ 60.00	$ 198.98	$ 258.98	$ 258.98
65		Provided By Owner	Wet Table	EA	1	0%	1	1.000	$ 100.00	$ 100.00		$ 100.00	$ 100.00
			WATER HEATER										
66			GWH: Gas Water Heater, BRADFORD WHITE LC2PV50H763N, Gas Fired Wat	EA	1	0%	1	4.000	$ 100.00	$ 400.00	$ 4,109.20	$ 4,509.20	$ 4,509.20
			WATER HEATER DETAIL										
67			1" Dia Air Gap	EA	1	0%	1	0.385	$ 100.00	$ 38.50	$ 45.00	$ 83.50	$ 83.50
68			1" Dia Ball Valve	EA	5	0%	5	0.350	$ 100.00	$ 35.00	$ 38.85	$ 73.85	$ 369.25

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DETAILED BREAKDOWN OF ITEMS

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Scope: MEP

USA ESTIMATORS

Date: 23-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
69			1" Dia Check Valve	EA	2	0%	2	0.350	$ 100.00	$ 35.00	$ 52.00	$ 87.00	$ 174.00
70			1" Dia Dirt Leg	EA	1	0%	1	0.350	$ 100.00	$ 35.00	$ 46.65	$ 81.65	$ 81.65
71			1" Dia End Cap	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 12.00	$ 32.00	$ 32.00
72			1" Dia Pressure And Relief Valve	EA	1	0%	1	0.500	$ 100.00	$ 50.00	$ 145.00	$ 195.00	$ 195.00
73			1" Dia Union	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 28.00	$ 48.00	$ 48.00
74			3/4" Dia Ball Valve (With Handle Removed)	EA	1	0%	1	0.300	$ 100.00	$ 30.00	$ 38.29	$ 68.29	$ 68.29
75			3/4" Dia Union	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 22.00	$ 42.00	$ 42.00
76			Cleanout	EA	1	0%	1	0.625	$ 100.00	$ 62.50	$ 75.00	$ 137.50	$ 137.50
77			Control Panel	EA	1	0%	1	2.000	$ 100.00	$ 200.00	$ 2,150.00	$ 2,350.00	$ 2,350.00
78			Expansion Tank	EA	1	0%	1	1.500	$ 100.00	$ 150.00	$ 856.00	$ 1,006.00	$ 1,006.00
79			Thermometer	EA	1	0%	1	0.330	$ 100.00	$ 33.00	$ 165.00	$ 198.00	$ 198.00
			PUMP										
80			RP: Recirculation Pump, TACO 0026e-F2, In-Line Cartridge Style Circulator Pum	EA	1	0%	1	1.000	$ 100.00	$ 100.00	$ 821.68	$ 921.68	$ 921.68
			MISCELLANEOUS										
81			3" Dia Cap	EA	1	0%	1	0.250	$ 100.00	$ 25.00	$ 28.00	$ 53.00	$ 53.00
82			3" Dia Dirt Pocket	EA	1	0%	1	0.400	$ 100.00	$ 40.00	$ 65.00	$ 105.00	$ 105.00
83			3" Dia Gas Cock With Test Guage Connection	EA	1	0%	1	0.650	$ 100.00	$ 65.00	$ 118.98	$ 183.98	$ 183.98
84			3" Dia Grommet	EA	1	0%	1	0.550	$ 100.00	$ 55.00	$ 88.78	$ 143.78	$ 143.78
85			3" Dia Ground Joint Union	EA	1	0%	1	0.429	$ 100.00	$ 42.90	$ 64.64	$ 107.54	$ 107.54
86			3" Dia Trap Seal	EA	1	0%	1	0.300	$ 100.00	$ 30.00	$ 74.49	$ 104.49	$ 104.49
			CLEANOUTS & DRAINS										
87			2" Dia FD: Flow Drain, SIOUX CHIEF 832-25ANR, Adjustable Floor Drain With	EA	2	0%	2	0.741	$ 100.00	$ 74.10	$ 165.65	$ 239.75	$ 479.50
			VALVES										
88			3" Dia Ball Valve	EA	2	0%	2	0.650	$ 100.00	$ 65.00	$ 128.95	$ 193.95	$ 387.90
			PVC COUPLING										
89			2" Dia	EA	8	0%	8						
90			3" Dia	EA	7	0%	7						
			PIPE SUPPORT										
91			1/2" Dia Adjustable Clevis Hanger	EA	17	0%	17						
92			3/4" Dia Adjustable Clevis Hanger	EA	3	0%	3						
93			1" Dia Adjustable Clevis Hanger	EA	47	0%	47						
94			3" Dia Adjustable Clevis Hanger	EA	11	0%	11						
95			3/8" Dia Threaded Rod (1 Ea. = 1 FT)	EA	67	0%	67	0.025	$ 100.00	$ 2.50	$ 4.11	$ 6.61	$ 442.87
96			1/2" Dia Threaded Rod (1 Ea. = 1 FT)	EA	11	0%	11	0.030	$ 100.00	$ 3.00	$ 5.29	$ 8.29	$ 91.19
			TRENCHING & BACKFILLING										
97			Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Mat	CFT	492	0%	492	0.040	$ 100.00	$ 4.00	$ -	$ 4.00	$ 1,968.00
												SUBTOTAL	**$ 53,114**
			HVAC										
			REFRIGERANT PIPE										
		Assumed	**Copper Type" ACR" Pipe**										
98		**Size Assumed**	3/8" Dia Refrigerant Liquid Pipe	LF	19.45	10%	21	0.070	$ 100.00	$ 7.00	$ 6.55	$ 13.55	$ 289.90
99			5/8" Dia Refrigerant Suction Pipe	LF	19.45	10%	21	0.075	$ 100.00	$ 7.50	$ 7.89	$ 15.39	$ 329.27
		Assumed	**1/2" Thick Fiberglass**										
100			3/8" Dia Refrigerant Liquid Pipe	LF	19.45	10%	21	0.035	$ 100.00	$ 3.50	$ 1.56	$ 5.06	$ 108.26
101			5/8" Dia Refrigerant Suction Pipe	LF	19.45	10%	21	0.040	$ 100.00	$ 4.00	$ 1.78	$ 5.78	$ 123.66
			REFRIGERANT PIPE FITTINGS										
			ELBOW										
102			3/8" Dia Refrigerant Liquid Pipe 90 Deg Elbow	EA	4	0%	4	0.200	$ 100.00	$ 20.00	$ 7.80	$ 27.80	$ 111.20
103			5/8" Dia Refrigerant Suction Pipe 90 Deg Elbow	EA	4	0%	4	0.225	$ 100.00	$ 22.50	$ 9.60	$ 32.10	$ 128.40
			AIR DEVICES										
104			SD-1: Supply Diffuser, PRICE 520D, Face Type: Louvered, Duct/Wall Mounted,	EA	9	0%	9	0.400	$ 100.00	$ 40.00	$ 88.00	$ 128.00	$ 1,152.00
105			SD-1: Supply Diffuser, PRICE 520D, Face Size: 12"x12", Neck Size: 10"x5", CFM	EA	4	0%	4	0.500	$ 100.00	$ 50.00	$ 106.26	$ 156.26	$ 625.04
106			SD-1: Supply Diffuser, PRICE 520D, Face Size: 14"x14", Neck Size: 12"x5", CFM	EA	3	0%	3	0.600	$ 100.00	$ 60.00	$ 127.00	$ 187.00	$ 561.00
107			Transfer Grille, Face Size: 18"x16"	EA	6	0%	6	0.325	$ 100.00	$ 32.50	$ 64.00	$ 96.50	$ 579.00
108		**Schedule Not Given**	Transfer Grille, Face Size: 14"x12", High	EA	5	0%	5	0.300	$ 100.00	$ 30.00	$ 48.00	$ 78.00	$ 390.00
109			Transfer Grille, Face Size: 14"x12", Low	EA	5	0%	5	0.300	$ 100.00	$ 30.00	$ 48.00	$ 78.00	$ 390.00
			FURNACE										
110			F-1: Furnace, CARRIER, Flow Direction: Up flow, Nominal Tonnage: 3, Supply F	EA	1	0%	1	4.500	$ 100.00	$ 450.00	$ 4,087.00	$ 4,537.00	$ 4,537.00
111			F-2: Furnace, CARRIER, Flow Direction: Up flow, Nominal Tonnage: 3, Supply F	EA	1	0%	1	4.500	$ 100.00	$ 450.00	$ 4,087.00	$ 4,537.00	$ 4,537.00
			CONDENSING UNIT										
112			CU-1: Condensing Unit, CARRIER, Nominal Tonnage: 3Notes:1 Equipment Sized	EA	1	0%	1	3.850	$ 100.00	$ 385.00	$ 3,399.89	$ 3,784.89	$ 3,784.89
113			CU-2: Condensing Unit, CARRIER, Nominal Tonnage: 3Notes:1 Equipment Sized	EA	1	0%	1	3.850	$ 100.00	$ 385.00	$ 3,399.89	$ 3,784.89	$ 3,784.89
			EXHAUST FAN										
114			EF-1: Exhaust Fan, GREENHECK SP-B90, Ceiling Mounted, 70 CFM, Motor: 19	EA	1	0%	1	0.850	$ 100.00	$ 85.00	$ 161.00	$ 246.00	$ 246.00
115			EF-2: Exhaust Fan, GREENHECK SP-A125, Ceiling Mounted, 100 CFM, Motor:	EA	1	0%	1	1.250	$ 100.00	$ 125.00	$ 291.00	$ 416.00	$ 416.00
116			EF-3: Exhaust Fan, GREENHECK SP-A125, Ceiling Mounted, 100 CFM, Motor:	EA	1	0%	1	1.250	$ 100.00	$ 125.00	$ 291.00	$ 416.00	$ 416.00
117			EF-4: Exhaust Fan, GREENHECK SP-A110, Ceiling Mounted, 80 CFM, Motor: 1	EA	1	0%	1	1.000	$ 100.00	$ 100.00	$ 227.00	$ 327.00	$ 327.00
118			EF-5: Exhaust Fan, GREENHECK SP-A110, Ceiling Mounted, 80 CFM, Motor: 1	EA	1	0%	1	1.000	$ 100.00	$ 100.00	$ 227.00	$ 327.00	$ 327.00
119	**M102 & M201**		EF-6: Exhaust Fan, GREENHECK SP-A110, Ceiling Mounted, 80 CFM, Motor: 1	EA	1	0%	1	1.000	$ 100.00	$ 100.00	$ 227.00	$ 327.00	$ 327.00
120			EF-7: Exhaust Fan, GREENHECK SP-A90, Ceiling Mounted, 60 CFM, Motor: 11	EA	1	0%	1	1.000	$ 100.00	$ 100.00	$ 227.00	$ 327.00	$ 327.00
121			EF-8: Exhaust Fan, GREENHECK SP-A700, Suspended Mounted, 480 CFM, Mot	EA	1	0%	1	2.250	$ 100.00	$ 225.00	$ 650.00	$ 875.00	$ 875.00
			DUCT WEIGHT										
122			Galvanized Sheet Metal Duct	LB	835	10%	919	0.055	$ 100.00	$ 5.50	$ 1.50	$ 7.00	$ 6,429.50
			DUCT INSULATION										
123			R-6 Minimum Liner With Coated Air Side Surface	SF	627	10%	690	0.012	$ 100.00	$ 1.20	$ 1.65	$ 2.85	$ 1,965.65
			MISCELLANEOUS										
124			16"x6" Supply Air Duct End Cap	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 28.00	$ 48.00	$ 48.00
125			20"x6" Supply Air Duct End Cap	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 32.65	$ 52.65	$ 52.65
126			20"x6" Supply Air Duct End Cap	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 32.65	$ 52.65	$ 52.65
127			5" Dia Weatherproof Wall/ Roof Cap	EA	4	0%	4	0.362	$ 100.00	$ 36.20	$ 72.29	$ 108.49	$ 433.96
128			6" Dia Weatherproof Wall/ Roof Cap	EA	3	0%	3	0.362	$ 100.00	$ 36.20	$ 78.00	$ 114.20	$ 342.60
129			20" Dia Weatherproof Wall/ Roof Cap	EA	1	0%	1	0.500	$ 100.00	$ 50.00	$ 185.00	$ 235.00	$ 235.00
130			20"X8" Flexible Connection	EA	4	0%	4	0.417	$ 100.00	$ 41.70	$ 117.28	$ 158.98	$ 635.92
131			3/8" Dia Service Valve	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 28.00	$ 48.00	$ 48.00
132			5/8" Dia Service Valve	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 32.00	$ 52.00	$ 52.00
133			5/8" Sight Glass	EA	1	0%	1	0.446	$ 100.00	$ 44.60	$ 157.17	$ 201.77	$ 201.77
134			Filter Dryer	EA	1	0%	1	0.400	$ 100.00	$ 40.00	$ 101.00	$ 141.00	$ 141.00
135			Plenum Box	EA	1	0%	1	0.742	$ 100.00	$ 74.20	$ 285.00	$ 359.20	$ 359.20
136			Programmable Thermostat With Auto-Changeover Between Heating And Cooling	EA	2	0%	2	0.458	$ 100.00	$ 45.80	$ 165.00	$ 210.80	$ 421.60
			PIPE SUPPORTS										
137			3/8" Dia Adjustable Clevis Hanger	EA	3	0%	3						
138			5/8" Dia Adjustable Clevis Hanger	EA	3	0%	3						
139			3/8" Dia Threaded Rod (1 Ea. = 1 FT)	EA	6	0%	6	0.025	$ 100.00	$ 2.50	$ 4.11	$ 6.61	$ 39.66
			DUCT SUPPORTS										
140			3/8" Threaded Rod	EA	46	0%	46	0.025	$ 100.00	$ 2.50	$ 4.11	$ 6.61	$ 304.06
141			1" x 22 Ga. Strap	EA	23	0%	23	0.015	$ 100.00	$ 1.50	$ 3.27	$ 4.77	$ 109.71
												SUBTOTAL	**$ 36,565**
			ELECTRICAL										
			DISTRIBUTION										
			CONDUIT										
142			1-1/2" EMT Conduit	LF	120	10%	132	0.060	$ 100.00	$ 6.00	$ 3.26	$ 9.26	$ 1,222.32
		Length Assumed	**CONDUCTOR**										
143			#6 CU THHN/THWN (From Panel L1D To Panel L3A)	LF	120	10%	132	0.010	$ 100.00	$ 1.00	$ 0.99	$ 1.99	$ 262.68
144			#1/0 CU THHN/THWN (From Panel L1D To Panel L3A)	LF	360	10%	396	0.025	$ 100.00	$ 2.50	$ 3.26	$ 5.76	$ 2,280.96
			LUGS										
145			Compression Lug CU With 1-Hole , #6 CU Wire	EA	4	0%	4	0.100	$ 100.00	$ 10.00	$ 4.50	$ 14.50	$ 58.00
146			Heat Shrink Tubing for #6 CU Wire	EA	4	0%	4	0.050	$ 100.00	$ 5.00	$ 2.50	$ 7.50	$ 30.00
147			Compression Lug CU With 1-Hole , #1/0 CU Wire	EA	12	0%	12	0.100	$ 100.00	$ 10.00	$ 6.25	$ 16.25	$ 195.00
148			Heat Shrink Tubing for #1/0 CU Wire	EA	12	0%	12	0.050	$ 100.00	$ 5.00	$ 2.50	$ 7.50	$ 90.00
			PANEL										
149		**Assumed, Schedule Not Given**	Panel L1D: 150A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 42 Poles, Surface	EA	1	0%	1	2.250	$ 100.00	$ 225.00	$ 1,250.00	$ 1,475.00	$ 1,475.00
			DISCONNECT SWITCH										
150			3P/20A Disconnect Switch	EA	2	0%	2	0.800	$ 100.00	$ 80.00	$ 185.00	$ 265.00	$ 530.00
151			3P/150A Disconnect Switch	EA	1	0%	1	1.250	$ 100.00	$ 125.00	$ 379.85	$ 504.85	$ 504.85
			GROUNDING										
152		**Size Assumed**	5/8" x 10' CU Clad Ground Rod	EA	1	0%	1	0.400	$ 100.00	$ 40.00	$ 70.00	$ 110.00	$ 110.00
153			#6 CU Grounding Conductor	LF	20	10%	22	0.026	$ 100.00	$ 2.60	$ 5.05	$ 7.65	$ 168.30

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DETAILED BREAKDOWN OF ITEMS

Prepared for: Fountain City Animal Hospital - T.I., 2415 Summit Street, Kansas City, MO 64108
Project ID: 6122025
Scope: MEP

USA ESTIMATORS

Date: 23-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			POWER										
			CONDUIT										
154			3/4" EMT Conduit	LF	961	10%	1057	0.052	$ 100.00	$ 5.20	$ 2.02	$ 7.22	$ 7,631.47
			CONDUCTOR										
155			3#12 CU MC Cable	LF	278	10%	306	0.015	$ 100.00	$ 1.50	$ 1.69	$ 3.19	$ 975.50
156			#12 CU THHN/THWN	LF	2733	10%	3006	0.006	$ 100.00	$ 0.60	$ 0.22	$ 0.82	$ 2,464.90
157			#10 CU THHN/THWN	LF	150	10%	165	0.007	$ 100.00	$ 0.70	$ 0.36	$ 1.06	$ 174.90
	E201, E301 & E401		**DEVICE**										
158			Single Pole Switch	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 16.77	$ 36.77	$ 36.77
159			Duplex Receptacle	EA	31	0%	31	0.200	$ 100.00	$ 20.00	$ 22.52	$ 42.52	$ 1,318.12
160			Duplex Receptacle, GFI	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 25.45	$ 45.45	$ 45.45
161			Nema 5-20R Duplex Receptacle, GFI Mounted Above Counter	EA	9	0%	9	0.212	$ 100.00	$ 21.20	$ 25.45	$ 46.65	$ 419.85
162			Nema 5-20R Duplex Receptacle, Mounted Above Counter	EA	4	0%	4	0.212	$ 100.00	$ 21.20	$ 22.52	$ 43.72	$ 174.88
163			Nema 5-20R Split Receptacle, Top Outlet Wire Hot Bottom Outlet Switched	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 32.00	$ 52.00	$ 52.00
164			30A Special Purpose Receptacle	EA	1	0%	1	0.200	$ 100.00	$ 20.00	$ 32.00	$ 52.00	$ 52.00
			LIGHTING										
			CONDUIT										
165			3/4" EMT Conduit	LF	356	10%	392	0.052	$ 100.00	$ 5.20	$ 2.02	$ 7.22	$ 2,829.73
			CONDUCTOR										
166			3#12 CU MC Cable	LF	486	10%	534	0.015	$ 100.00	$ 1.50	$ 1.69	$ 3.19	$ 1,703.62
167			#12 CU THHN/THWN	LF	1069	10%	1176	0.006	$ 100.00	$ 0.60	$ 0.22	$ 0.82	$ 964.15
168			CAT5E Cable	LF	56	10%	62	0.008	$ 100.00	$ 0.80	$ 0.30	$ 1.10	$ 68.32
			LIGHTING FIXTURES										
169			A: Linear Light Fixture	EA	12	0%	12	0.650	$ 100.00	$ 65.00	$ 178.00	$ 243.00	$ 2,916.00
170			AE: Linear Emergency Light Fixture	EA	6	0%	6	0.725	$ 100.00	$ 72.50	$ 202.00	$ 274.50	$ 1,647.00
171			B: 2X2 LED Fixture	EA	9	0%	9	0.525	$ 100.00	$ 52.50	$ 87.47	$ 139.97	$ 1,259.73
172			BE: 2X2 LED Emergency Fixture	EA	9	0%	9	0.525	$ 100.00	$ 52.50	$ 87.47	$ 139.97	$ 1,259.73
173			C: Linear Light Fixture	EA	2	0%	2	0.650	$ 100.00	$ 65.00	$ 178.00	$ 243.00	$ 486.00
174			CE: Linear Emergency Light Fixture	EA	2	0%	2	0.725	$ 100.00	$ 72.50	$ 202.00	$ 274.50	$ 549.00
175			X2: Two Head Emergency Light Fixxture	EA	8	0%	8	0.480	$ 100.00	$ 48.00	$ 99.29	$ 147.29	$ 1,178.32
176			X3: Three Head Emergency Light Fixture	EA	3	0%	3	0.480	$ 100.00	$ 48.00	$ 125.00	$ 173.00	$ 519.00
			LIGHTING CONTROL										
177			Low Voltage Control Station	EA	12	0%	12	0.425	$ 100.00	$ 42.50	$ 65.25	$ 107.75	$ 1,293.00
178			Power Pack	EA	6	0%	6	0.850	$ 100.00	$ 85.00	$ 259.00	$ 344.00	$ 2,064.00
179			Sensor Ceiling Mounted	EA	5	0%	5	0.336	$ 100.00	$ 33.60	$ 72.52	$ 106.12	$ 530.60
180			Sensor Wall Mounted	EA	6	0%	6	0.336	$ 100.00	$ 33.60	$ 72.52	$ 106.12	$ 636.72
181			Time Clock	EA	1	0%	1	1.000	$ 100.00	$ 100.00	$ 512.00	$ 612.00	$ 612.00
												SUBTOTAL	**$ 40,790**
			COMMUNICATION										
			TELECOMMUNICATION										
			CONDUIT										
182			3/4" EMT Conduit Up To The Ceiling	LF	150	10%	165	0.052	$ 100.00	$ 5.20	$ 2.02	$ 7.22	$ 1,191.30
			CONDUCTOR										
183			CAT 6	LF	396	10%	436	0.008	$ 100.00	$ 0.80	$ 0.30	$ 1.10	$ 479.69
			J–HOOK										
184			1" J-Hook	LF	197	10%	217	0.030	$ 100.00	$ 3.00	$ 2.67	$ 5.67	$ 1,231.50
	E201 & E301		**DEVICES**										
185			Combo Tele/Data Outlet	EA	10	0%	10	0.100	$ 100.00	$ 10.00	$ 31.29	$ 41.29	$ 412.90
			RJ45 Connector	EA	20	0%	20	0.010	$ 100.00	$ 1.00	$ 0.95	$ 1.95	$ 39.00
			Back Box	EA	10	0%	10	0.225	$ 100.00	$ 22.50	$ 18.00	$ 40.50	$ 405.00
			Faceplate	EA	10	0%	10	0.150	$ 100.00	$ 15.00	$ 8.99	$ 23.99	$ 239.90
												SUBTOTAL	**$ 3,999**

PROJECTED COST		**$150,138**
OVERHEAD AND PROFIT	**15%**	**$22,521**
INSURANCE	**3%**	**$4,504**
CONTINGENCY	**5%**	**$7,507**
TAX	**10.98%**	**$8,585**
SUGGESTED BID		**$193,255**

Notes:

1. Online sources are used for pricing.
2. Prices can vary depending upon field conditions.

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BREAKDOWN OF DUCT ITEMS

Prepared for: Fountain City Animal Hospital - T.I., 2415 Summit Street, Kansas City, MO 64108
Project ID: 6122025
Scope: MEP

USA ESTIMATORS

Date: 23-Sep-26

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
	HVAC				
	GALVANIZED SHEET METAL DUCT				
1	8"x4" Supply Air Duct	LF	17.99	10%	20
2	10"x5" Supply Air Duct	LF	5.35	10%	6
3	12"x5" Supply Air Duct	LF	1.89	10%	2
4	16"x6" Supply Air Duct	LF	19.87	10%	22
5	20"x6" Supply Air Duct	LF	30.74	10%	34
6	24"x8" Supply Air Duct	LF	32.21	10%	35
7	28"x6" Supply Air Duct	LF	23.24	10%	26
8	20"X8" Return Air Duct (Assumed)	LF	13.34	10%	15
9	5" Dia Exhaust Air Duct	LF	31.55	10%	35
10	6" Dia Exhaust Air Duct	LF	25.92	10%	29
11	20" Dia Exhaust Air Duct (Assumed)	LF	8.81	10%	10

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