

Bid Date:		09/26/2023													
Item	System	Qty./Length	Material	Size	Cost/Ea.	Total Cost	Hrs./Ea.	Total Hrs.	Per Hour Wage	Labour Cost Each	Material Cost Each	Unit Cost	Total Labour Cost	Total Material Cost	
EXISTING CONDITIONS															
DEMOLITION															
Pipe W/ Fitting	Existing Pipe W/ Fittings To Be Removed	51.68			\$2.02	\$104.19	0.028	1.44704	\$72.00	\$2.02	\$0.00	\$2.02	\$104.19	\$0.00	
	Existing Electric Heaters, Exhaust Fan, Thermostats And All Associated Duct Work To Be Removed Area: 915 SF	1			\$800.00	\$800.00		0	\$72.00	\$800.00	\$0.00	\$800.00	\$800.00	\$0.00	
	Removed All Ductwork And Air Devices In This Area: Area: 3747 SF	1			\$2,000.00	\$2,000.00		0	\$72.00	\$2,000.00	\$0.00	\$2,000.00	\$2,000.00	\$0.00	
	Existing Abandoned All Handler And Ductwork To Be Removed: Area: 267 SF	1			\$400.00	\$400.00		0	\$72.00	\$400.00	\$0.00	\$400.00	\$400.00	\$0.00	
	Existing Thermostat To Be Removed	2			\$18.00	\$36.00	0.250	0.5	\$72.00	\$18.00	\$0.00	\$18.00	\$36.00	\$0.00	
	Existing Unit Heater, Thermostat And Vent Through Roof To Be Removed	2			\$72.00	\$144.00	1.000	2	\$72.00	\$72.00	\$0.00	\$72.00	\$144.00	\$0.00	
	Existing Thermostat To Be Removed	1			\$35.84	\$35.84	0.220	0.22	\$72.00	\$35.84	\$0.00	\$35.84	\$35.84	\$0.00	
	Existing Roof Top Unit To Be Removed	1			\$108.00	\$108.00	1.500	1.5	\$72.00	\$108.00	\$0.00	\$108.00	\$108.00	\$0.00	
	Existing Condensing Unit And Refrigerant Piping Back To Associated Evaporator Coil To Be Removed	1			\$133.20	\$133.20	1.850	1.85	\$72.00	\$133.20	\$0.00	\$133.20	\$133.20	\$0.00	
	Existing Electric Heater And Thermostat To Be Removed	1			\$61.20	\$61.20	0.850	0.85	\$72.00	\$61.20	\$0.00	\$61.20	\$61.20	\$0.00	
	Existing PTAC To Be Removed	1			\$104.40	\$104.40	1.450	1.45	\$72.00	\$104.40	\$0.00	\$104.40	\$104.40	\$0.00	
	Existing Furnace, Evaporator Coil And Associated Ductwork To Be Removed	1			\$216.00	\$216.00	3.000	3	\$72.00	\$216.00	\$0.00	\$216.00	\$216.00	\$0.00	
	Existing All Plumbing Fixtures Including Piping And Associate Fittings To Be Removed Area: 1089 SF	1			\$2,500.00	\$2,500.00		0	\$72.00	\$2,500.00	\$0.00	\$2,500.00	\$2,500.00	\$0.00	
Pipe W/ Fitting	Existing Pipe With The Fittings To Be Removed	73.87			\$3.02	\$148.92	0.028	2.06836	\$72.00	\$3.02	\$0.00	\$3.02	\$148.92	\$0.00	
Pipe W/ Fitting	Existing Pipes With The Fittings To Be Removed	24.41			\$2.02	\$49.21	0.028	0.68848	\$72.00	\$2.02	\$0.00	\$2.02	\$49.21	\$0.00	
	Existing All Piping And Associate Fittings To Be Removed	1			\$12,000.00	\$12,000.00		0	\$72.00	\$12,000.00	\$0.00	\$12,000.00	\$12,000.00	\$0.00	
	Remove Disconnected W/ And Plumbing Fixtures	1			\$108.00	\$108.00	1.500	1.5	\$72.00	\$108.00	\$0.00	\$108.00	\$108.00	\$0.00	
	Existing Hose Need To Be Removed	1			\$61.20	\$61.20	0.850	0.85	\$72.00	\$61.20	\$0.00	\$61.20	\$61.20	\$0.00	
	Existing Cap To Be Removed	1			\$14.40	\$14.40	0.200	0.2	\$72.00	\$14.40	\$0.00	\$14.40	\$14.40	\$0.00	
RELOCATION															
	Existing Unit Heater To Be Relocate	1			\$180.00	\$180.00	2.500	2.5	\$72.00	\$180.00	\$0.00	\$180.00	\$180.00	\$0.00	
	Existing Ice Maker To Be Relocate	1			\$86.40	\$86.40	1.200	1.2	\$72.00	\$86.40	\$0.00	\$86.40	\$86.40	\$0.00	
	Existing Water Heater And Beneath Sink To Be Relocate	1			\$252.00	\$252.00	3.500	3.5	\$72.00	\$252.00	\$0.00	\$252.00	\$252.00	\$0.00	
SITE WORK															
WASTE PIPE (BELOW GRADE)															
Pipe	Waste Pipe	83		4"	\$12.92	\$1,114.87	0.070	6.18666	\$72.00	\$5.04	\$7.88	\$12.92	\$445.44	\$696.43	
WASTE PIPE FITTINGS															
90 Deg	Waste Pipe	2		4"	\$54.98	\$109.96	0.450	0.9	\$72.00	\$32.40	\$22.58	\$54.98	\$66.80	\$45.16	
45 Deg	Waste Pipe	1	Schedule 40 PVC	4"	\$52.90	\$52.90	0.450	0.45	\$72.00	\$32.40	\$20.50	\$52.90	\$32.90	\$26.99	
Wye	Waste Pipe	1		4"	\$62.63	\$62.63	0.495	0.495	\$72.00	\$35.64	\$26.99	\$62.63	\$35.64	\$26.99	
PVC COUPLING															
Coupling	Coupling	8		4"	\$15.30	\$122.80	0.125	1	\$72.00	\$9.00	\$6.10	\$15.30	\$72.00	\$48.80	
TRENCHING & BACKFILLING:															
	Excavation & Backfilling 1' Deep x 3' Wide Trench Including All Lat	264			\$6.12	\$1,615.68	0.085	22.44	\$72.00	\$6.12	\$0.00	\$6.12	\$1,615.68	\$0.00	
VENT PIPE (BELOW GRADE)															
Pipe	Vent Pipe	11		3"	\$8.30	\$91.26	0.058	0.638	\$72.00	\$4.18	\$4.12	\$8.30	\$45.94	\$45.32	
VENT PIPE FITTINGS															
90 Deg	Vent Pipe	2	Schedule 40 PVC	3"	\$44.46	\$88.92	0.400	0.8	\$72.00	\$28.80	\$15.66	\$44.46	\$57.60	\$31.32	
PVC COUPLING															
Coupling	Coupling	1		3"	\$11.94	\$11.94	0.098	0.098	\$72.00	\$7.06	\$4.88	\$11.94	\$7.06	\$4.88	
TRENCHING & BACKFILLING:															
	Excavation & Backfilling 1' Deep x 3' Wide Trench Including All Lat	33			\$6.12	\$201.96	0.085	2.805	\$72.00	\$6.12	\$0.00	\$6.12	\$201.96	\$0.00	
MISCELLANEOUS															
Oil Water Separator	Oil Water Separator	1			\$4,584.80	\$4,584.80	4.650	4.65	\$72.00	\$334.80	\$4,250.00	\$4,584.80	\$334.80	\$4,250.00	
PLUMBING															
COLD WATER PIPE (ABOVE GRADE)															
Pipe	Cold Water Pipe	186		1/2"	\$6.43	\$1,199.75	0.032	3.96704	\$72.00	\$2.30	\$4.13	\$6.43	\$429.63	\$770.12	
Pipe	Cold Water Pipe	118		3/4"	\$7.03	\$831.93	0.035	4.14119	\$72.00	\$2.52	\$4.51	\$7.03	\$298.22	\$533.71	
Pipe	Cold Water Pipe	32		1"	\$7.92	\$252.44	0.038	1.21182	\$72.00	\$2.74	\$5.18	\$7.92	\$87.25	\$165.19	
Pipe	Cold Water Pipe	45	Type "L" Copper Pipe	1-1/4"	\$10.28	\$467.82	0.042	1.91058	\$72.00	\$3.02	\$7.26	\$10.28	\$137.56	\$330.26	
Pipe	Cold Water Pipe	35		1-1/2"	\$12.29	\$445.83	0.046	1.66842	\$72.00	\$3.31	\$8.98	\$12.29	\$120.13	\$325.70	
Pipe	Cold Water Pipe	113		2"	\$19.50	\$2,207.92	0.053	6.00225	\$72.00	\$8.82	\$15.68	\$19.50	\$432.16	\$1,775.76	
COLD WATER PIPE INSULATION															
Pipe Insulation	Cold Water Pipe	186		1/2"	\$3.43	\$640.34	0.022	4.10334	\$72.00	\$1.58	\$1.85	\$3.43	\$295.37	\$344.97	
Pipe Insulation	Cold Water Pipe	118	1/2" Thick Fiberglass Insulation, With ASJ Jacket	3/4"	\$3.43	\$406.38	0.022	2.60848	\$72.00	\$1.58	\$1.85	\$3.43	\$187.45	\$218.93	
Pipe Insulation	Cold Water Pipe	32	On Fiberglass	1"	\$3.43	\$109.51	0.022	0.78951	\$72.00	\$1.58	\$1.85	\$3.43	\$60.51	\$69.00	
Pipe Insulation	Cold Water Pipe	45		1-1/4"	\$3.43	\$156.21	0.022	1.00078	\$72.00	\$1.58	\$1.85	\$3.43	\$72.06	\$84.16	
Pipe Insulation	Cold Water Pipe	35		1-1/2"	\$3.43	\$124.55	0.022	0.79794	\$72.00	\$1.58	\$1.85	\$3.43	\$57.45	\$67.10	
Pipe Insulation	Cold Water Pipe	113		2"	\$3.43	\$388.90	0.022	2.4915	\$72.00	\$1.58	\$1.85	\$3.43	\$179.39	\$209.51	
90 Deg	Cold Water Pipe	39		1/2"	\$28.15	\$1,090.85	0.350	13.65	\$72.00	\$25.20	\$2.95	\$28.15	\$984.80	\$115.05	
90 Deg	Cold Water Pipe	29		3/4"	\$34.91	\$1,002.98	0.380	11.02	\$72.00	\$27.36	\$7.55	\$34.91	\$793.44	\$218.95	
90 Deg	Cold Water Pipe	13		1"	\$57.58	\$748.76	0.410	5.33	\$72.00	\$29.52	\$28.00	\$57.52	\$383.76	\$364.00	
90 Deg	Cold Water Pipe	1		1-1/2"	\$67.24	\$67.24	0.420	0.42	\$72.00	\$30.24	\$37.00	\$67.24	\$30.24	\$37.00	
90 Deg	Cold Water Pipe	3		2"	\$97.68	\$293.04	0.440	1.32	\$72.00	\$31.68	\$66.00	\$97.68	\$95.04	\$119.80	
Tee	Cold Water Pipe	9		1/2"	\$49.49	\$445.41	0.590	4.95	\$72.00	\$39.60	\$1.89	\$41.49	\$356.40	\$171.01	
Tee	Cold Water Pipe	1		3/4"	\$53.66	\$53.66	0.580	0.58	\$72.00	\$41.76	\$11.90	\$53.66	\$41.76	\$11.90	
Tee	Cold Water Pipe	1		1"	\$66.24	\$66.24	0.670	0.67	\$72.00	\$48.24	\$18.00	\$66.24	\$48.24	\$18.00	
Tee	Cold Water Pipe	1		1 1/2"	\$63.23	\$63.23	0.622	0.622	\$72.00	\$44.78	\$18.45	\$63.23	\$44.78	\$18.45	
Tee	Cold Water Pipe	1		2"	\$145.51	\$145.51	0.868	0.868	\$72.00	\$50.26	\$95.25	\$145.51	\$50.26	\$95.25	
Tee	Cold Water Pipe	1		1-1/4"	\$146.48	\$146.48	0.722	0.722	\$72.00	\$51.98	\$112.50	\$146.48	\$51.98	\$112.50	
Tee	Cold Water Pipe	1		1-1/2"	\$179.00	\$179.00	0.750	0.75	\$72.00	\$54.00	\$119.00	\$179.00	\$54.00	\$119.00	
Tee	Cold Water Pipe	2		1-1/2"	\$179.42	\$358.84	0.735	1.47	\$72.00	\$52.92	\$120.50	\$179.42	\$105.84	\$245.00	
Tee	Cold Water Pipe	1		1-1/2"	\$189.06	\$189.06	0.765	0.765	\$72.00	\$55.08	\$132.00	\$189.06	\$132.00	\$157.06	
Tee	Cold Water Pipe	1		2"	\$188.40	\$188.40	0.700	0.7	\$72.00	\$50.40	\$138.00	\$188.40	\$50.40	\$138.00	
Tee	Cold Water Pipe	4		2"	\$201.48	\$805.92	0.715	2.86	\$72.00	\$51.48	\$150.00	\$201.48	\$205.92	\$660.00	
Reducer	Cold Water Pipe	2		3/4" / 1/2"	\$39.19	\$78.37	0.288	0.576	\$72.00	\$20.74	\$18.45	\$39.19	\$41.47	\$86.50	
Reducer	Cold Water Pipe	1		1" / 3/4"	\$112.33	\$112.33	0.315	0.315	\$72.00	\$22.68	\$89.65	\$112.33	\$22.68	\$89.65	
Reducer	Cold Water Pipe	1		1-1/4" / 3/4"	\$115.04	\$115.04	0.320	0.32	\$72.00	\$23.04	\$92.00	\$115.04	\$23.04	\$92.00	
Reducer	Cold Water Pipe	1		1-1/2" / 3/4"	\$177.36	\$177.36	0.380	0.38	\$72.00	\$27.36	\$150.00	\$177.36	\$27.36	\$150.00	
Reducer	Cold Water Pipe	1		2" / 1-1/2"	\$193.08	\$193.08	0.390	0.39	\$72.00	\$28.08	\$165.00	\$193.08	\$28.08	\$165.00	
Reducer	Cold Water Pipe	1		2" / 1-1/2"	\$200.80	\$200.80	0.400	0.4	\$72.00	\$28.80	\$172.00	\$200.80	\$28.80	\$172.00	
Cap	EQ	2	Pipe End Cap	3/4"	\$10.99	\$21.97	0.128	0.256	\$72.00	\$9.22	\$11.77	\$10.99	\$18.43	\$3.54	
Valve	EQ	2	Isolation Valve	3/4"	\$72.40	\$144.79	0.458	0.916	\$72.00	\$32.98	\$39.42	\$72.40	\$65.95	\$78.84	
Valve	EQ	2	Isolation Valve	2"	\$95.08	\$190.15	0.975	1.95	\$72.00	\$48.60	\$46.48	\$95.08	\$97.20	\$96.96	
PIPE SUPPORTS															
Pipe Supports	Adjustable Clevis Hanger	31		1/2"	\$5.35	\$165.97	0.062	1.922	\$72.00	\$4.46	\$0.89	\$5.35	\$138.38	\$27.59	
Pipe Supports	Adjustable Clevis Hanger	18		3/4"	\$5.58	\$100.62	0.065	1.215	\$72.00	\$4.68	\$0.90	\$5.58	\$88.53	\$12.09	
Pipe Supports	Adjustable Clevis Hanger	5		1"	\$6.08	\$30.42	0.072	0.36	\$72.00	\$5.18	\$0.90	\$			

Wye	Waste Pipe		1		4"	\$96.00	\$96.00	0.625	0.625	\$72.00	\$45.00	\$51.00	\$96.00	\$45.00	\$51.00	
Wye	Waste Pipe		2		2" 1-1/2"	\$53.54	\$107.07	0.488	0.976	\$72.00	\$35.14	\$18.40	\$53.54	\$70.27	\$36.80	
Wye	Waste Pipe		6		1 1/2"	\$61.82	\$370.91	0.544	3.264	\$72.00	\$26.17	\$13.58	\$61.82	\$19.71	\$13.58	
Wye	Waste Pipe		1		4" 1/2"	\$86.84	\$266.52	0.845	2.535	\$72.00	\$60.84	\$26.00	\$86.84	\$18.52	\$78.00	
Wye	Waste Pipe		2		4" 3/4"	\$98.38	\$196.77	0.922	1.844	\$72.00	\$66.38	\$32.00	\$98.38	\$13.77	\$64.00	
Reducer	Waste Pipe		2		3" 1/2"	\$54.82	\$109.64	0.435	0.87	\$72.00	\$24.32	\$12.50	\$54.82	\$62.64	\$47.00	
Reducer	Waste Pipe		2		4" 1/2"	\$75.41	\$150.81	0.655	1.31	\$72.00	\$28.25	\$14.13	\$75.41	\$47.16	\$38.75	
Cap	EQ		2		2"	\$12.81	\$25.61	0.128	0.256	\$72.00	\$9.22	\$3.99	\$12.81	\$18.43	\$7.18	
CO	EQ		2		2"	\$25.41	\$127.06	0.256	1.28	\$72.00	\$18.43	\$6.98	\$25.41	\$92.16	\$71.90	
WCO	EQ		2		1 Wall Cleanout	\$50.56	\$101.12	0.365	0.73	\$72.00	\$24.84	\$12.42	\$50.56	\$74.52	\$57.76	
FD-1	EQ		2		2 Floor Drain	\$58.74	\$117.47	0.388	0.776	\$72.00	\$27.94	\$13.97	\$58.74	\$55.87	\$61.60	
PVC COUPLING																
Coupling	Coupling		11		2"	\$9.30	\$18.60	0.085	0.935	\$72.00	\$6.12	\$3.18	\$9.30	\$67.32	\$34.98	
Coupling	Coupling		10		Schedule 40 PVC	\$11.94	\$119.36	0.098	0.98	\$72.00	\$7.06	\$4.88	\$11.94	\$70.56	\$48.80	
Coupling	Coupling		7		4"	\$15.10	\$105.70	0.125	0.875	\$72.00	\$9.00	\$6.10	\$15.10	\$63.00	\$42.70	
TRENCHING & BACKFILLING:																
Excavation & Backfilling (2' Deep x 3' Wide Trench) Including All Lab																
WASTE PIPE (ABOVE GRADE)																
Pipe	Waste Pipe		17		Schedule 40 PVC	\$8.71	\$148.14	0.062	1.054	\$72.00	\$4.46	\$4.25	\$8.71	\$75.89	\$72.25	
Wye	Waste Pipe		1		2" 1-1/2"	\$53.54	\$53.54	0.488	0.488	\$72.00	\$35.14	\$18.40	\$53.54	\$35.14	\$18.40	
Reducer	Waste Pipe		4		2" 1-1/2"	\$39.45	\$157.80	0.385	1.54	\$72.00	\$27.72	\$11.73	\$39.45	\$110.88	\$46.92	
PVC COUPLING																
Coupling	Coupling		1		2"	\$9.30	\$9.30	0.085	0.085	\$72.00	\$6.12	\$3.18	\$9.30	\$6.12	\$3.18	
PIPE SUPPORTS																
Pipe Supports	Adjustable Clevis Hanger		1		Steel	\$7.65	\$7.65	0.082	0.082	\$72.00	\$5.90	\$1.75	\$7.65	\$5.90	\$1.75	
Pipe Supports	Threaded Rod		1		1/2"	\$8.89	\$8.89	0.100	0.1	\$72.00	\$7.20	\$1.69	\$8.89	\$7.20	\$1.69	
GREASE WASTE (BELOW GRADE)																
Pipe	Grease Waste Pipe		2.21		1-1/2"	\$7.83	\$17.30	0.058	0.12818	\$72.00	\$4.18	\$3.65	\$7.83	\$9.23	\$8.07	
Pipe	Grease Waste Pipe		40.41		Schedule 40 PVC	\$8.71	\$352.13	0.062	2.50542	\$72.00	\$4.46	\$4.25	\$8.71	\$180.39	\$171.74	
Pipe	Grease Waste Pipe		78.24		3"	\$30.56	\$86.21	0.065	5.0856	\$72.00	\$4.68	\$5.88	\$30.56	\$86.16	\$46.05	
GREASE WASTE PIPE FITTINGS																
90 Deg	Grease Waste Pipe		6		2"	\$45.89	\$273.54	0.395	2.37	\$72.00	\$28.44	\$17.45	\$45.89	\$170.64	\$104.70	
90 Deg	Grease Waste Pipe		4		3"	\$51.02	\$204.08	0.410	1.64	\$72.00	\$29.52	\$21.50	\$51.02	\$118.08	\$86.00	
45 Deg	Grease Waste Pipe		2		3"	\$46.92	\$189.68	0.395	1.58	\$72.00	\$28.44	\$20.82	\$46.92	\$112.76	\$80.92	
45 Deg	Grease Waste Pipe		8		3"	\$58.02	\$464.16	0.410	3.28	\$72.00	\$29.52	\$28.00	\$58.02	\$236.16	\$226.00	
Wye	Grease Waste Pipe		2		Schedule 40 PVC	\$62.08	\$124.16	0.515	1.03	\$72.00	\$37.08	\$25.00	\$62.08	\$74.16	\$52.00	
Wye	Grease Waste Pipe		6		3"	\$74.84	\$449.04	0.588	3.528	\$72.00	\$44.34	\$32.50	\$74.84	\$254.02	\$195.00	
Wye	Grease Waste Pipe		3		2" 1-1/2"	\$53.54	\$160.61	0.488	1.464	\$72.00	\$35.14	\$18.40	\$53.54	\$105.41	\$75.20	
Wye	Grease Waste Pipe		4		3" 1/2"	\$61.82	\$247.27	0.544	2.176	\$72.00	\$39.17	\$22.65	\$61.82	\$154.67	\$90.60	
Reducer	Grease Waste Pipe		2		2" 1-1/2"	\$48.69	\$97.38	0.389	0.778	\$72.00	\$28.01	\$20.68	\$48.69	\$56.02	\$41.36	
Reducer	Grease Waste Pipe		2		3" 1/2"	\$54.82	\$109.64	0.435	0.87	\$72.00	\$31.32	\$23.50	\$54.82	\$62.64	\$47.00	
CO	EQ		1		Cleanout	\$25.41	\$25.41	0.256	0.256	\$72.00	\$18.43	\$6.98	\$25.41	\$18.43	\$6.98	
CO	EQ		1		Cleanout	\$49.12	\$49.12	0.425	0.425	\$72.00	\$30.60	\$18.52	\$49.12	\$30.60	\$18.52	
WCO	EQ		3		Wall Cleanout	\$50.56	\$151.68	0.345	1.035	\$72.00	\$24.84	\$12.42	\$50.56	\$74.52	\$57.16	
FD-1	EQ		2		2 Floor Drain	\$58.74	\$117.47	0.388	0.776	\$72.00	\$27.94	\$13.97	\$58.74	\$55.87	\$61.60	
PVC COUPLING																
Coupling	Coupling		4		Schedule 40 PVC	\$9.30	\$37.20	0.085	0.34	\$72.00	\$6.12	\$3.18	\$9.30	\$24.48	\$12.72	
Coupling	Coupling		1		3"	\$11.94	\$11.94	0.098	0.098	\$72.00	\$7.06	\$4.88	\$11.94	\$4.88	\$4.88	
TRENCHING & BACKFILLING:																
Excavation & Backfilling (2' Deep x 3' Wide Trench) Including All Lab																
VENT PIPE (BELOW GRADE)																
Pipe	Vent Pipe		4		Schedule 40 PVC	\$12.56	\$50.31	0.045	0.20005	\$72.00	\$3.24	\$3.51	\$12.56	\$14.55	\$15.76	
Pipe	Vent Pipe		4		3"	\$12.56	\$50.31	0.045	0.28145	\$72.00	\$4.68	\$5.26	\$12.56	\$20.26	\$34.12	
VENT PIPE FITTINGS																
90 Deg	Vent Pipe		1		1-1/2"	\$24.02	\$24.02	0.260	0.26	\$72.00	\$18.72	\$5.30	\$24.02	\$18.72	\$5.30	
90 Deg	Vent Pipe		1		Schedule 40 PVC	\$51.02	\$51.02	0.410	0.41	\$72.00	\$29.52	\$23.50	\$51.02	\$29.52	\$23.50	
Tee	Vent Pipe		1		1-1/2"	\$37.78	\$37.78	0.356	0.356	\$72.00	\$25.63	\$19.78	\$37.78	\$25.63	\$19.78	
TRENCHING & BACKFILLING:																
Excavation & Backfilling (2' Deep x 3' Wide Trench) Including All Lab																
VENT PIPE (ABOVE GRADE)																
Pipe	Vent Pipe		115		Schedule 40 PVC	\$6.75	\$777.80	0.045	5.18535	\$72.00	\$3.24	\$3.51	\$6.75	\$373.35	\$404.46	
Pipe	Vent Pipe		270		3"	\$8.71	\$2366.90	0.062	16.7670	\$72.00	\$4.46	\$4.25	\$8.71	\$1445.12	\$1572.78	
Pipe	Vent Pipe		20		1-1/2"	\$12.56	\$251.20	0.065	1.2974	\$72.00	\$4.68	\$7.88	\$12.56	\$99.41	\$152.28	
VENT PIPE FITTINGS																
90 Deg	Vent Pipe		15		1-1/2"	\$24.02	\$360.30	0.260	3.9	\$72.00	\$18.72	\$5.30	\$24.02	\$280.80	\$79.50	
90 Deg	Vent Pipe		14		3"	\$45.89	\$642.46	0.395	5.53	\$72.00	\$28.44	\$17.45	\$45.89	\$398.16	\$244.30	
Tee	Vent Pipe		1		1-1/2"	\$37.78	\$37.78	0.356	0.356	\$72.00	\$25.63	\$19.78	\$37.78	\$25.63	\$19.78	
Tee	Vent Pipe		12		Schedule 40 PVC	\$62.08	\$744.96	0.515	6.18	\$72.00	\$37.08	\$25.00	\$62.08	\$444.96	\$300.00	
Tee	Vent Pipe		1		3"	\$74.84	\$74.84	0.588	0.588	\$72.00	\$44.34	\$32.50	\$74.84	\$44.34	\$32.50	
Tee	Vent Pipe		1		2" 1-1/2"	\$47.21	\$47.21	0.388	1.04	\$72.00	\$29.84	\$19.07	\$47.21	\$19.07	\$19.07	
Reducer	Vent Pipe		1		2" 1-1/2"	\$40.53	\$40.53	0.400	0.4	\$72.00	\$28.80	\$11.73	\$40.53	\$28.80	\$11.73	
Reducer	Vent Pipe		1		3" 1/2"	\$54.82	\$109.64	0.435	0.87	\$72.00	\$31.32	\$23.50	\$54.82	\$62.64	\$47.00	
WTR	EQ		3		3 Vent Through Roof	\$44.27	\$132.80	0.328	0.984	\$72.00	\$23.63	\$20.65	\$44.27	\$70.85	\$64.95	
Cap	EQ		2		2 Pipe End Cap	\$12.81	\$25.61	0.128	0.256	\$72.00	\$9.22	\$3.99	\$12.81	\$18.43	\$7.18	
PVC COUPLING																
Coupling	Coupling		11		Schedule 40 PVC	\$8.64	\$95.04	0.080	0.88	\$72.00	\$5.76	\$2.88	\$8.64	\$63.36	\$31.68	
Coupling	Coupling		27		3"	\$9.30	\$251.10	0.085	2.295	\$72.00	\$6.12	\$3.18	\$9.30	\$165.24	\$88.96	
Coupling	Coupling		2		1-1/2"	\$11.94	\$23.87	0.098	0.196	\$72.00	\$7.06	\$4.88	\$11.94	\$9.76	\$7.76	
PIPE SUPPORTS																
Pipe Supports	Adjustable Clevis Hanger		119		1-1/2"	\$7.65	\$904.93	0.078	9.282	\$72.00	\$5.92	\$1.47	\$7.65	\$668.30	\$174.83	
Pipe Supports	Adjustable Clevis Hanger		27		2"	\$7.65	\$206.85	0.214	2.14	\$72.00	\$5.90	\$1.75	\$7.65	\$159.41	\$47.25	
Pipe Supports	Adjustable Clevis Hanger		2		Steel	\$8.64	\$17.28	0.086	0.172	\$72.00	\$6.19	\$2.45	\$8.64	\$11.38	\$4.90	
Pipe Supports	Threaded Rod		119		3/8"	\$9.25	\$110.75	0.100	11.9	\$72.00	\$7.20	\$2.05	\$9.25	\$85.80	\$244.95	
Pipe Supports	Threaded Rod		29		1/2"	\$8.89	\$257.81	0.100	2.9	\$72.00	\$7.20	\$1.69	\$8.89	\$208.80	\$49.01	
CONDENSATE DRAIN PIPE (BELOW GRADE)																
Pipe	Condensate Drain Pipe		52		Schedule 40 PVC	\$3/4"	\$2.52	\$130.88	0.023	1.196	\$72.00	\$1.66	\$0.86	\$2.52	\$86.11	\$44.77
CONDENSATE DRAIN PIPE FITTINGS																
90 Deg	Condensate Drain Pipe		10		Schedule 40 PVC	3/4"	\$10.83	\$108.30	0.130	1.3	\$72.00	\$9.36	\$1.47	\$10.83	\$99.60	\$14.70
Coupling	Coupling		5		Schedule 40 PVC	3/4"	\$3.38	\$16.90	0.040	0.2	\$72.00	\$2.88	\$0.50	\$3.38	\$14.40	\$2.50
TRENCHING & BACKFILLING:																
Excavation & Backfilling (2' Deep x 3' Wide Trench) Including All Lab																
CONDENSATE DRAIN PIPE (ABOVE GRADE)																
Pipe	Condensate Drain Pipe		101		Schedule 40 PVC	3/4"	\$2.52	\$254.22	0.023	2.223	\$72.00	\$1.66	\$0.86	\$2.52	\$167.26	\$86.96
CONDENSATE DRAIN PIPE FITTINGS																
90 Deg	Condensate Drain Pipe		6		Schedule 40 PVC	3/4"	\$10.83	\$64.98	0.130	0.78	\$72.00	\$9.36	\$1.47	\$10.83	\$56.16	\$8.82
Coupling	Coupling		10		Schedule 40 PVC	3/4"	\$3.38	\$33.80	0.040	0.4	\$72.00	\$2.88	\$0.50	\$3.38	\$28.80	\$5.00
Pipe Supports	Adjustable Clevis Hanger		16													

Pipe	Natural Gas Pipe	20		1"	\$21.09	\$428.66	0.151	3.06983	\$75.00	\$11.33	\$9.76	\$21.09	\$230.24	\$198.42
Pipe	Natural Gas Pipe	24		1-1/4"	\$26.38	\$628.11	0.180	4.2858	\$75.00	\$13.50	\$12.88	\$26.38	\$221.44	\$306.67
Pipe	Natural Gas Pipe	4		1-1/2"	\$30.34	\$113.17	0.200	0.746	\$75.00	\$15.00	\$15.34	\$30.34	\$55.95	\$57.22
NATURAL GAS PIPE INSULATION														
90 Deg	Natural Gas Pipe	2	Schedule 40 Black Steel	3/4"	\$54.15	\$108.29	0.571	1.142	\$75.00	\$42.83	\$11.32	\$54.15	\$85.65	\$22.64
90 Deg	Natural Gas Pipe	6		1"	\$59.56	\$357.33	0.615	3.69	\$75.00	\$46.13	\$13.43	\$59.56	\$276.75	\$80.58
90 Deg	Natural Gas Pipe	2		1-1/4"	\$73.59	\$147.17	0.727	1.454	\$75.00	\$54.51	\$19.06	\$73.59	\$109.05	\$38.12
Tree	Natural Gas Pipe	1		1-1/4" / 3/4"	\$117.92	\$117.92	1.143	1.143	\$75.00	\$85.73	\$32.19	\$117.92	\$85.73	\$32.19
Tree	Natural Gas Pipe	1		1-1/2" / 3/4"	\$134.08	\$134.08	1.231	1.231	\$75.00	\$92.33	\$41.75	\$134.08	\$92.33	\$41.75
Reducer	Natural Gas Pipe	1		1-1/4" / 1"	\$124.23	\$124.23	1.143	1.143	\$75.00	\$85.73	\$38.50	\$124.23	\$85.73	\$38.50
Reducer	Natural Gas Pipe	1		1-1/2" / 1-1/4"	\$158.91	\$158.91	1.380	1.38	\$75.00	\$103.50	\$55.41	\$158.91	\$103.50	\$55.41
Cap	Pipe End Cap	2	Pipe End Cap	1-1/2"	\$8.10	\$16.20	0.080	0.16	\$75.00	\$6.00	\$2.10	\$8.10	\$12.00	\$4.20
PIPE SUPPORTS														
Pipe Supports	Adjustable Clevis Hanger	1		3/4"	\$5.78	\$5.78	0.065	0.065	\$75.00	\$4.88	\$0.90	\$5.78	\$4.88	\$0.90
Pipe Supports	Adjustable Clevis Hanger	3		1"	\$6.30	\$18.90	0.072	0.216	\$75.00	\$5.40	\$0.90	\$6.30	\$16.20	\$2.70
Pipe Supports	Adjustable Clevis Hanger	4		1-1/4"	\$6.81	\$27.22	0.075	0.3	\$75.00	\$5.63	\$1.18	\$6.81	\$22.50	\$4.72
Pipe Supports	Threaded Rod	8		3/8"	\$9.55	\$76.40	0.100	0.8	\$75.00	\$7.50	\$2.05	\$9.55	\$60.00	\$16.40
VENT FLUE PIPE														
Pipe	Vent Flue Pipe	7		4"	\$104.52	\$731.64	0.421	2.947	\$75.00	\$31.58	\$72.94	\$104.52	\$223.03	\$510.58
90 Deg	Vent Flue Pipe	1		4"	\$500.13	\$500.13	2.667	2.667	\$75.00	\$300.03	\$300.10	\$500.13	\$200.03	\$300.10
TOTALS:													\$65,822.99	\$29,768.73

Total Hours	667.16
Total Cost	\$95,591
Overhead / Profit: 15%	\$14,339
Insurance (2%)	\$2,468
Contingency (5%)	\$4,780
Material Tax (0%)	\$0.00
SUGGESTED BID	\$117,577

NY ESTIMATING