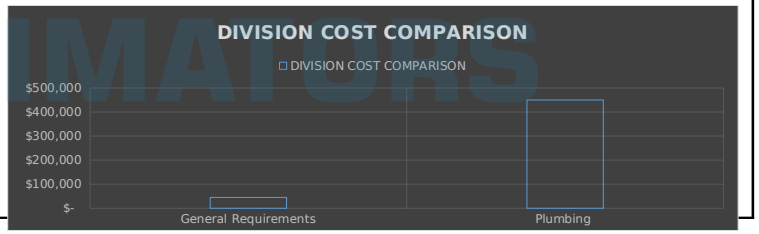
GENERAL SUMMARY

Prepared for: New Station 203 Bargersville Community Fire Department, Division Road And S.R. 135 Franklin, IN 46131
Project ID: 13062026
Scope: Plumbing
No. Of Floors: 1
Date: 23-Sep-26

USA ESTIMATORS

BUILDING GSF		17,500	
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	$ 45,000	$ 3
22000	Plumbing	$ 450,020	$ 26
	TOTAL TRADE COST	$ 495,020	$ 28
OVERHEAD AND PROFIT	25%	$ 123,755	$ 7.07
INSURANCE	3%	$ 14,851	$ 0.85
CONTINGENCY	5%	$ 24,751	$ 1.41
TAX	7%	$ 23,672	$ 1.35
	SUGGESTED BID	$ 682,049	$ 39



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DETAILED BREAKDOWN OF ITEMS

Prepared for: New Station 203 Bargersville Community Fire Department, Division Road And S.R. 135 Franklin, IN 46131
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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	$ -	$ -	$ -	$ 22,000.00	$ 22,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
4			Final Cleaning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 4,500.00	$ 4,500.00
5			Mobilization Costs	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 10,500.00	$ 10,500.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	$ -	$ -	$ -	$ 8,000.00	$ 8,000.00
7			Scaffolding	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
												SUBTOTAL	**$ 45,000**
			PLUMBING										
			COLD WATER PIPE (BELOW GRADE)										
			Type "K" Soft Copper Tubing "ASTM B88" With Wrought Copper Fittings And Brazed Joint										
8			2" Dia Cold Water Pipe	LF	21	10%	23	0.150	$ 32.00	$ 4.80	$ 24.50	$ 29.30	$ 668.13
			COLD WATER PIPE FITTINGS										
			ELBOW										
9			2" Dia Cold Water Pipe 90 Deg Elbow	EA	1	0%	1	0.545	$ 32.00	$ 17.45	$ 56.50	$ 73.95	$ 73.95
			COLD WATER PIPE (ABOVE GRADE)										
			Type "L" Hard Copper Tubing "ASTM B88" With Wrought Copper Fittings And Soldered Joint										
10			1/2" Dia Cold Water Pipe	LF	813	10%	894	0.077	$ 32.00	$ 2.47	$ 4.25	$ 6.72	$ 6,012.52
11			3/4" Dia Cold Water Pipe	LF	152	10%	167	0.081	$ 32.00	$ 2.59	$ 7.15	$ 9.74	$ 1,628.97
12			1" Dia Cold Water Pipe	LF	172	10%	190	0.091	$ 32.00	$ 2.90	$ 9.60	$ 12.50	$ 2,369.75
13			1-1/2" Dia Cold Water Pipe	LF	83	10%	91	0.120	$ 32.00	$ 3.84	$ 16.00	$ 19.84	$ 1,812.05
14			2" Dia Cold Water Pipe	LF	160	10%	176	0.150	$ 32.00	$ 4.80	$ 24.50	$ 29.30	$ 5,147.45
			1" Thick "JOHNS MANVILLE, MICRO-LOK" Mineral Fiber Preformed Pipe Insulation, Mineral Or Glass Fiber Bonded With Thermosetting Resin, Comply With ASTM C547, Type I Grade A, Factory Applied jackets										
15			1/2" Dia Cold Water Pipe	LF	813	10%	894	0.02	$ 32.00	$ 0.64	$ 2.10	$ 2.74	$ 2,450.80
16			3/4" Dia Cold Water Pipe	LF	152	10%	167	0.02	$ 32.00	$ 0.70	$ 2.45	$ 3.15	$ 527.38
17			1" Dia Cold Water Pipe	LF	172	10%	190	0.03	$ 32.00	$ 0.80	$ 2.68	$ 3.48	$ 659.53
18			1-1/2" Dia Cold Water Pipe	LF	83	10%	91	0.03	$ 32.00	$ 0.96	$ 3.05	$ 4.01	$ 366.25
19			2" Dia Cold Water Pipe	LF	160	10%	176	0.04	$ 32.00	$ 1.12	$ 3.58	$ 4.70	$ 825.70
			COLD WATER PIPE FITTINGS										
			ELBOW										
20			1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	137	0%	137	0.300	$ 32.00	$ 9.60	$ 2.49	$ 12.09	$ 1,656.33
21			3/4" Dia Cold Water Pipe 90 Deg Elbow	EA	16	0%	16	0.316	$ 32.00	$ 10.10	$ 5.40	$ 15.50	$ 248.06
22			1" Dia Cold Water Pipe 90 Deg Elbow	EA	6	0%	6	0.375	$ 32.00	$ 12.00	$ 13.45	$ 25.45	$ 152.70
23			1-1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	4	0%	4	0.461	$ 32.00	$ 14.76	$ 31.00	$ 45.76	$ 183.04
24			2" Dia Cold Water Pipe 90 Deg Elbow	EA	8	0%	8	0.545	$ 32.00	$ 17.45	$ 56.50	$ 73.95	$ 591.58
			TEE										
25			1/2" Dia Cold Water Pipe Tee	EA	2	0%	2	0.461	$ 32.00	$ 14.76	$ 4.12	$ 18.88	$ 37.76
26			3/4" Dia Cold Water Pipe Tee	EA	1	0%	1	0.500	$ 32.00	$ 16.01	$ 14.25	$ 30.26	$ 30.26
27			2" Dia Cold Water Pipe Tee	EA	2	0%	2	0.857	$ 32.00	$ 27.43	$ 100.00	$ 127.43	$ 254.86
28			3/4" / 1/2" Dia Cold Water Pipe Tee	EA	18	0%	18	0.500	$ 32.00	$ 16.01	$ 14.25	$ 30.26	$ 544.64
29			1" / 1/2" Dia Cold Water Pipe Tee	EA	2	0%	2	0.600	$ 32.00	$ 19.20	$ 26.00	$ 45.20	$ 90.40
30			1" / 3/4" Dia Cold Water Pipe Tee	EA	3	0%	3	0.600	$ 32.00	$ 19.20	$ 26.00	$ 45.20	$ 135.60
31			1-1/2" / 3/4" Dia Cold Water Pipe Tee	EA	1	0%	1	0.750	$ 32.00	$ 24.00	$ 63.00	$ 87.00	$ 87.00
32			1-1/2" / 1" Dia Cold Water Pipe Tee	EA	1	0%	1	0.750	$ 32.00	$ 24.00	$ 63.00	$ 87.00	$ 87.00
33			2" / 1/2" Dia Cold Water Pipe Tee	EA	2	0%	2	0.857	$ 32.00	$ 27.43	$ 100.00	$ 127.43	$ 254.86
34			2" / 3/4" Dia Cold Water Pipe Tee	EA	6	0%	6	0.857	$ 32.00	$ 27.43	$ 100.00	$ 127.43	$ 764.59
			REDUCER										
35			3/4" / 1/2" Dia Cold Water Pipe Reducer	EA	8	0%	8	0.500	$ 32.00	$ 16.01	$ 20.00	$ 36.01	$ 288.06
36			1" / 1/2" Dia Cold Water Pipe Reducer	EA	1	0%	1	0.600	$ 32.00	$ 19.20	$ 34.00	$ 53.20	$ 53.20
37			1" / 3/4" Dia Cold Water Pipe Reducer	EA	1	0%	1	0.600	$ 32.00	$ 19.20	$ 34.00	$ 53.20	$ 53.20
38			1-1/2" / 1" Dia Cold Water Pipe Reducer	EA	1	0%	1	0.750	$ 32.00	$ 24.00	$ 86.00	$ 110.00	$ 110.00
39			2" / 1-1/2" Dia Cold Water Pipe Reducer	EA	4	0%	4	0.857	$ 32.00	$ 27.43	$ 149.80	$ 177.23	$ 708.93
			RAW COLD PIPE (ABOVE GRADE)										
			Type "L" Hard Copper Tubing "ASTM B88" With Wrought Copper Fittings And Soldered Joint										
40			3/4" Dia Raw Cold Water Pipe	LF	318	10%	349	0.079	$ 32.00	$ 2.52	$ 5.40	$ 7.92	$ 2,766.50
41			1" Dia Raw Cold Water Pipe	LF	244	10%	268	0.089	$ 32.00	$ 2.83	$ 7.80	$ 10.63	$ 2,853.86
			1" Thick "JOHNS MANVILLE, MICRO-LOK" Mineral Fiber Preformed Pipe Insulation, Mineral Or Glass Fiber Bonded With Thermosetting Resin, Comply With ASTM C547, Type I Grade A, Factory Applied jackets										
42			3/4" Dia Raw Cold Water Pipe	LF	318	10%	349	0.02	$ 32.00	$ 0.70	$ 2.45	$ 3.15	$ 1,101.71
43			1" Dia Raw Cold Water Pipe	LF	244	10%	268	0.03	$ 32.00	$ 0.80	$ 2.68	$ 3.48	$ 934.11
			RAW COLD PIPE FITTINGS										
			ELBOW										
44			3/4" Dia Raw Cold Water Pipe 90 Deg Elbow	EA	29	0%	29	0.316	$ 32.00	$ 10.10	$ 5.40	$ 15.50	$ 449.62
45			1" Dia Raw Cold Water Pipe 90 Deg Elbow	EA	13	0%	13	0.375	$ 32.00	$ 12.00	$ 13.45	$ 25.45	$ 330.85
			TEE										
46			1" Dia Raw Cold Water Pipe Tee	EA	1	0%	1	0.600	$ 32.00	$ 19.20	$ 26.00	$ 45.20	$ 45.20
47			1" / 3/4" Dia Raw Cold Water Pipe Tee	EA	5	0%	5	0.600	$ 32.00	$ 19.20	$ 26.00	$ 45.20	$ 226.00
			REDUCER										
48			1" / 3/4" Dia Raw Cold Water Pipe Reducer	EA	4	0%	4	0.600	$ 32.00	$ 19.20	$ 34.00	$ 53.20	$ 212.80
			HOT WATER PIPE (ABOVE GRADE)										
			Type "L" Hard Copper Tubing "ASTM B88" With Wrought Copper Fittings And Soldered Joint										
49			1/2" Dia Hot Water Pipe	LF	340	10%	374	0.074	$ 32.00	$ 2.38	$ 3.69	$ 6.07	$ 2,270.69
50			3/4" Dia Hot Water Pipe	LF	192	10%	211	0.079	$ 32.00	$ 2.52	$ 5.40	$ 7.92	$ 1,668.61
51			1" Dia Hot Water Pipe	LF	94	10%	104	0.089	$ 32.00	$ 2.83	$ 7.80	$ 10.63	$ 1,102.86
52			1-1/2" Dia Hot Water Pipe	LF	252	10%	277	0.116	$ 32.00	$ 3.70	$ 13.75	$ 17.45	$ 4,831.04
			1" Thick "JOHNS MANVILLE, MICRO-LOK" Mineral Fiber Preformed Pipe Insulation, Mineral Or Glass Fiber Bonded With Thermosetting Resin, Comply With ASTM C547, Type I Grade A, Factory Applied jackets										
53			1/2" Dia Hot Water Pipe	LF	340	10%	374	0.02	$ 32.00	$ 0.64	$ 2.10	$ 2.74	$ 1,025.66
54			3/4" Dia Hot Water Pipe	LF	192	10%	211	0.02	$ 32.00	$ 0.70	$ 2.45	$ 3.15	$ 664.49
55			1" Dia Hot Water Pipe	LF	94	10%	104	0.03	$ 32.00	$ 0.80	$ 2.68	$ 3.48	$ 360.98
56			1-1/2" Dia Hot Water Pipe	LF	252	10%	277	0.03	$ 32.00	$ 0.96	$ 3.05	$ 4.01	$ 1,110.43
			HOT WATER PIPE FITTINGS										
			ELBOW										
57			1/2" Dia Hot Water Pipe 90 Deg Elbow	EA	73	0%	73	0.300	$ 32.00	$ 9.60	$ 2.49	$ 12.09	$ 882.57
58			3/4" Dia Hot Water Pipe 90 Deg Elbow	EA	14	0%	14	0.316	$ 32.00	$ 10.10	$ 5.40	$ 15.50	$ 217.06
59			1" Dia Hot Water Pipe 90 Deg Elbow	EA	3	0%	3	0.375	$ 32.00	$ 12.00	$ 13.45	$ 25.45	$ 76.35
60			1-1/2" Dia Hot Water Pipe 90 Deg Elbow	EA	11	0%	11	0.461	$ 32.00	$ 14.76	$ 31.00	$ 45.76	$ 503.36
			TEE										
61			1/2" Dia Hot Water Pipe Tee	EA	7	0%	7	0.461	$ 32.00	$ 14.76	$ 4.12	$ 18.88	$ 132.16
62			3/4" Dia Hot Water Pipe Tee	EA	5	0%	5	0.500	$ 32.00	$ 16.01	$ 14.25	$ 30.26	$ 151.29
63			1-1/2" Dia Hot Water Pipe Tee	EA	2	0%	2	0.750	$ 32.00	$ 24.00	$ 63.00	$ 87.00	$ 174.00
64			3/4" / 1/2" Dia Hot Water Pipe Tee	EA	16	0%	16	0.500	$ 32.00	$ 16.01	$ 14.25	$ 30.26	$ 484.13
65			1" / 3/4" Dia Hot Water Pipe Tee	EA	3	0%	3	0.600	$ 32.00	$ 19.20	$ 26.00	$ 45.20	$ 135.60
66			1-1/2" / 1/2" Dia Hot Water Pipe Tee	EA	1	0%	1	0.750	$ 32.00	$ 24.00	$ 63.00	$ 87.00	$ 87.00
67			1-1/2" / 3/4" Dia Hot Water Pipe Tee	EA	2	0%	2	0.750	$ 32.00	$ 24.00	$ 63.00	$ 87.00	$ 174.00
			REDUCER										
68			3/4" / 1/2" Dia Hot Water Pipe Reducer	EA	11	0%	11	0.500	$ 32.00	$ 16.01	$ 20.00	$ 36.01	$ 396.09
69			1-1/2" / 3/4" Dia Hot Water Pipe Reducer	EA	1	0%	1	0.750	$ 32.00	$ 24.00	$ 86.00	$ 110.00	$ 110.00
70			1-1/2" / 1" Dia Hot Water Pipe Reducer	EA	2	0%	2	0.750	$ 32.00	$ 24.00	$ 86.00	$ 110.00	$ 220.00
			HOT WATER RETURN PIPE (ABOVE GRADE)										
			Type "L" Hard Copper Tubing "ASTM B88" With Wrought Copper Fittings And Soldered Joint										
71			1/2" Dia Hot Water Return Pipe	LF	123	10%	136	0.461	$ 32.00	$ 14.76	$ 6.77	$ 21.53	$ 2,919.40
72			3/4" Dia Hot Water Return Pipe	LF	220	10%	241	0.500	$ 32.00	$ 16.01	$ 20.00	$ 36.01	$ 8,694.13
73			1" Dia Hot Water Return Pipe	LF	212	10%	233	0.600	$ 32.00	$ 19.20	$ 34.00	$ 53.20	$ 12,406.24

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DETAILED BREAKDOWN OF ITEMS

Prepared for: New Station 203 Bargersville Community Fire Department, Division Road And S.R. 135 Franklin, IN 46131
Project ID: 13062026
Scope: Plumbing

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
			1" Thick "JOHNS MANVILLE, MICRO-LOK" Mineral Fiber Preformed Pipe Insulation, Mineral Or Glass Fiber Bonded With Thermosetting Resin, Comply With ASTM C547, Type I Grade A, Factory Applied jackets										
74			1/2" Dia Hot Water Return Pipe	LF	123	10%	136	0.02	$ 32.00	$ 0.64	$ 2.10	$ 2.74	$ 371.54
75			3/4" Dia Hot Water Return Pipe	LF	220	10%	241	0.02	$ 32.00	$ 0.70	$ 2.45	$ 3.15	$ 761.53
76			1" Dia Hot Water Return Pipe	LF	212	10%	233	0.03	$ 32.00	$ 0.80	$ 2.68	$ 3.48	$ 811.54
			HOT WATER RETURN PIPE FITTINGS										
			ELBOW										
77			1/2" Dia Hot Water Return Pipe 90 Deg Elbow	EA	14	0%	14	0.300	$ 32.00	$ 9.60	$ 2.49	$ 12.09	$ 169.26
78			3/4" Dia Hot Water Return Pipe 90 Deg Elbow	EA	9	0%	9	0.316	$ 32.00	$ 10.10	$ 5.40	$ 15.50	$ 139.54
79			1" Dia Hot Water Return Pipe 90 Deg Elbow	EA	12	0%	12	0.375	$ 32.00	$ 12.00	$ 13.45	$ 25.45	$ 305.40
			TEE										
80			1" Dia Hot Water Return Pipe Tee	EA	2	0%	2	0.600	$ 32.00	$ 19.20	$ 26.00	$ 45.20	$ 90.40
81			3/4" / 1/2" Dia Hot Water Return Pipe Tee	EA	5	0%	5	0.500	$ 32.00	$ 16.01	$ 14.25	$ 30.26	$ 151.29
82			1" / 1/2" Dia Hot Water Return Pipe Tee	EA	2	0%	2	0.600	$ 32.00	$ 19.20	$ 26.00	$ 45.20	$ 90.40
			REDUCER										
83			3/4" / 1/2" Dia Hot Water Return Pipe Reducer	EA	1	0%	1	0.500	$ 32.00	$ 16.01	$ 20.00	$ 36.01	$ 36.01
84			1" / 3/4" Dia Hot Water Return Pipe Reducer	EA	3	0%	3	0.600	$ 32.00	$ 19.20	$ 34.00	$ 53.20	$ 159.60
			COMPRESSED AIR PIPE (ABOVE GRADE)										
			Schedule 40 Black Steel Pipe With Malleable Fitting And Threaded Joints										
85			1/2" Dia Compressed Air Pipe	LF	19	10%	21	0.095	$ 32.00	$ 3.05	$ 6.00	$ 9.05	$ 186.71
86			3/4" Dia Compressed Air Pipe	LF	44	10%	48	0.098	$ 32.00	$ 3.14	$ 7.40	$ 10.54	$ 509.63
87			1" Dia Compressed Air Pipe	LF	225	10%	247	0.113	$ 32.00	$ 3.62	$ 10.10	$ 13.72	$ 3,395.33
			COMPRESSED AIR PIPE FITTINGS										
			ELBOW										
88			1/2" Dia Compressed Air Pipe 90 Deg Elbow	EA	6	0%	6	0.400	$ 32.00	$ 12.79	$ 4.77	$ 17.56	$ 105.37
89			3/4" Dia Compressed Air Pipe 90 Deg Elbow	EA	13	0%	13	0.428	$ 32.00	$ 13.70	$ 4.97	$ 18.67	$ 242.76
90			1" Dia Compressed Air Pipe 90 Deg Elbow	EA	14	0%	14	0.461	$ 32.00	$ 14.76	$ 5.90	$ 20.66	$ 289.24
			TEE										
91			1" / 1/2" Dia Compressed Air Pipe Tee	EA	3	0%	3	0.750	$ 32.00	$ 24.00	$ 18.90	$ 42.90	$ 128.70
92			1" / 3/4" Dia Compressed Air Pipe Tee	EA	5	0%	5	0.750	$ 32.00	$ 24.00	$ 18.90	$ 42.90	$ 214.50
			REDUCER										
93			1" / 3/4" Dia Compressed Air Pipe Reducer	EA	1	0%	1	0.400	$ 32.00	$ 12.79	$ 22.00	$ 34.79	$ 34.79
			WASTE PIPE (BELOW GRADE)										
			Schedule 40 Solid Wall PVC Pipe With PVC Pipe Fittings And Solvent Cement joint										
94			1-1/2" Dia Waste Pipe	LF	60	10%	66	0.150	$ 32.00	$ 4.80	$ 2.68	$ 7.48	$ 493.50
95			2" Dia Waste Pipe	LF	203	10%	223	0.183	$ 32.00	$ 5.85	$ 3.58	$ 9.43	$ 2,105.63
96			3" Dia Waste Pipe	LF	33	10%	36	0.204	$ 32.00	$ 6.52	$ 5.36	$ 11.89	$ 431.51
97			4" Dia Waste Pipe	LF	692	10%	761	0.225	$ 32.00	$ 7.19	$ 7.15	$ 14.34	$ 10,919.26
98			6" Dia Waste Pipe	LF	3	10%	3	0.277	$ 32.00	$ 8.86	$ 10.73	$ 19.58	$ 64.63
			WASTE PIPE FITTINGS										
			ELBOW										
99			1-1/2" Dia Waste Pipe 45 Deg Elbow	EA	1	0%	1	0.360	$ 32.00	$ 11.52	$ 2.35	$ 13.87	$ 13.87
100			2" Dia Waste Pipe 45 Deg Elbow	EA	26	0%	26	0.396	$ 32.00	$ 12.67	$ 3.08	$ 15.75	$ 409.55
101			3" Dia Waste Pipe 45 Deg Elbow	EA	6	0%	6	0.629	$ 32.00	$ 20.13	$ 12.20	$ 32.33	$ 193.99
102			4" Dia Waste Pipe 45 Deg Elbow	EA	46	0%	46	0.791	$ 32.00	$ 25.32	$ 22.50	$ 47.82	$ 2,199.50
103			1-1/2" Dia Waste Pipe 90 Deg Elbow	EA	13	0%	13	0.360	$ 32.00	$ 11.52	$ 2.35	$ 13.87	$ 180.31
104			2" Dia Waste Pipe 90 Deg Elbow	EA	19	0%	19	0.396	$ 32.00	$ 12.67	$ 3.08	$ 15.75	$ 299.29
			WYE										
105			2" Dia Waste Pipe Wye	EA	3	0%	3	0.496	$ 32.00	$ 15.86	$ 4.16	$ 20.02	$ 60.07
106			3" / 2" Dia Waste Pipe Wye	EA	3	0%	3	0.790	$ 32.00	$ 25.27	$ 16.47	$ 41.74	$ 125.23
107			4" Dia Waste Pipe Wye	EA	20	0%	20	0.992	$ 32.00	$ 31.73	$ 30.38	$ 62.10	$ 1,242.06
108			4" / 1-1/2" Dia Waste Pipe Wye	EA	13	0%	13	0.965	$ 32.00	$ 30.88	$ 30.38	$ 61.26	$ 796.32
109			4" / 2" Dia Waste Pipe Wye	EA	18	0%	18	0.980	$ 32.00	$ 31.36	$ 31.40	$ 62.76	$ 1,129.68
110			4" / 3" Dia Waste Pipe Wye	EA	3	0%	3	1.000	$ 32.00	$ 32.00	$ 32.45	$ 64.45	$ 193.35
			REDUCER										
111			2" / 1-1/2" Dia Waste Pipe Reducer	EA	1	0%	1	0.300	$ 32.00	$ 9.60	$ 1.96	$ 11.56	$ 11.56
112			3" / 2" Dia Waste Pipe Reducer	EA	2	0%	2	0.450	$ 32.00	$ 14.40	$ 7.36	$ 21.76	$ 43.52
113			4" / 2" Dia Waste Pipe Reducer	EA	5	0%	5	0.600	$ 32.00	$ 19.20	$ 10.35	$ 29.55	$ 147.75
			WASTE PIPE (ABOVE GRADE)										
			Hubless Cast Iron Soil Pipe With Fittings And Heavy Duty Hubless Coupling And Coupled Joint										
114			1-1/2" Dia Waste Pipe	LF	51	10%	56	0.169	$ 32.00	$ 5.40	$ 10.75	$ 16.15	$ 906.02
115			2" Dia Waste Pipe	LF	61	10%	67	0.179	$ 32.00	$ 5.74	$ 11.25	$ 16.99	$ 1,139.76
			WASTE PIPE FITTINGS										
			ELBOW										
116			1-1/2" Dia Waste Pipe 45 Deg Elbow	EA	18	0%	18	0.950	$ 32.00	$ 30.40	$ 64.12	$ 94.52	$ 1,701.36
117			2" Dia Waste Pipe 45 Deg Elbow	EA	7	0%	7	1.125	$ 32.00	$ 36.00	$ 72.00	$ 108.00	$ 756.00
			WYE										
118			1-1/2" Dia Waste Pipe Wye	EA	18	0%	18	0.950	$ 32.00	$ 30.40	$ 48.15	$ 78.55	$ 1,413.90
119			2" Dia Waste Pipe Wye	EA	12	0%	12	1.200	$ 32.00	$ 38.40	$ 59.00	$ 97.40	$ 1,168.80
			REDUCER										
120			2" / 1-1/2" Dia Waste Pipe Reducer	EA	6	0%	6	1.100	$ 32.00	$ 35.20	$ 50.50	$ 85.70	$ 514.20
			GREASE WASTE PIPE (BELOW GRADE)										
			Schedule 40 Solid Wall PVC Pipe With PVC Pipe Fittings And Solvent Cement joint										
121			3" Dia Grease Waste Pipe	LF	125	10%	138	0.204	$ 32.00	$ 6.52	$ 5.36	$ 11.89	$ 1,634.49
122			4" Dia Grease Waste Pipe	LF	149	10%	164	0.225	$ 32.00	$ 7.19	$ 7.15	$ 14.34	$ 2,351.11
			GREASE WASTE PIPE FITTINGS										
			ELBOW										
123			2" Dia Grease Waste Pipe 45 Deg Elbow	EA	2	0%	2	0.396	$ 32.00	$ 12.67	$ 3.08	$ 15.75	$ 31.50
124			3" Dia Grease Waste Pipe 45 Deg Elbow	EA	4	0%	4	0.629	$ 32.00	$ 20.13	$ 12.20	$ 32.33	$ 129.32
125			4" Dia Grease Waste Pipe 45 Deg Elbow	EA	12	0%	12	0.791	$ 32.00	$ 25.32	$ 22.50	$ 47.82	$ 573.78
			WYE										
126			4" Dia Grease Waste Wye	EA	7	0%	7	0.992	$ 32.00	$ 31.73	$ 30.38	$ 62.10	$ 434.72
127			4" / 2" Dia Grease Waste Wye	EA	1	0%	1	0.992	$ 32.00	$ 31.73	$ 30.38	$ 62.10	$ 62.10
			VENT PIPE (BELOW GRADE)										
			Schedule 40 Solid Wall PVC Pipe With PVC Pipe Fittings And Solvent Cement joint										
128			2" Dia Vent Pipe	LF	55	10%	61	0.183	$ 32.00	$ 5.85	$ 3.58	$ 9.43	$ 570.49
			VENT PIPE FITTINGS										
			ELBOW										
129			2" Dia Vent Pipe 90 Deg Elbow	EA	2	0%	2	0.330	$ 32.00	$ 10.56	$ 2.80	$ 13.36	$ 26.72
			VENT PIPE (ABOVE GRADE)										
			Hubless Cast Iron Soil Pipe With Fittings And Heavy Duty Hubless Coupling And Coupled Joint										
130			1-1/2" Dia Vent Pipe	LF	227	10%	250	0.169	$ 32.00	$ 5.40	$ 10.75	$ 16.15	$ 4,032.66
131			2" Dia Vent Pipe	LF	535	10%	589	0.179	$ 32.00	$ 5.74	$ 11.25	$ 16.99	$ 9,996.26
132			4" Dia Vent Pipe	LF	30	10%	33	0.207	$ 32.00	$ 6.62	$ 26.00	$ 32.62	$ 1,076.59
			VENT PIPE FITTINGS										
			ELBOW										
133			1-1/2" Dia Vent Pipe 90 Deg Elbow	EA	20	0%	20	0.950	$ 32.00	$ 30.40	$ 48.15	$ 78.55	$ 1,571.00
134			2" Dia Vent Pipe 90 Deg Elbow	EA	9	0%	9	0.750	$ 32.00	$ 24.00	$ 65.00	$ 89.00	$ 801.00
135			4" Dia Vent Pipe 90 Deg Elbow	EA	4	0%	4	0.923	$ 32.00	$ 29.54	$ 136.00	$ 165.54	$ 662.18
			TEE										
136			2" Dia Vent Pipe Tee	EA	21	0%	21	1.200	$ 32.00	$ 38.40	$ 59.00	$ 97.40	$ 2,045.40
137	P501, FP101, PP101, PR101		2" / 1-1/2" Dia Vent Pipe Tee	EA	5	0%	5	1.200	$ 32.00	$ 38.40	$ 59.00	$ 97.40	$ 487.00
			REDUCER										
138			2" / 1-1/2" Dia Vent Pipe Reducer	EA	13	0%	13	1.100	$ 32.00	$ 35.20	$ 50.50	$ 85.70	$ 1,114.10
			STORM DRAIN PIPE (BELOW GRADE)										
			Schedule 40 Solid Wall PVC Pipe With Socket Fittings And Solvent Cement Joint										
139			6" Dia Storm Drain Pipe	LF	110	10%	121	0.277	$ 32.00	$ 8.86	$ 10.73	$ 19.58	$ 2,369.66
140			10" Dia Storm Drain Pipe	LF	81	10%	89	0.377	$ 32.00	$ 12.05	$ 17.88	$ 29.93	$ 2,667.01
			STORM DRAIN PIPE FITTINGS										
			ELBOW										
141			6" Dia Storm Drain Pipe 45 Deg Elbow	EA	10	0%	10	1.297	$ 32.00	$ 41.50	$ 82.50	$ 124.00	$ 1,240.01
142			6" Dia Storm Drain Pipe 90 Deg Elbow	EA	2	0%	2	1.081	$ 32.00	$ 34.58	$ 54.50	$ 89.08	$ 178.17
143			10" Dia Storm Drain Pipe 90 Deg Elbow	EA	1	0%	1	1.748	$ 32.00	$ 55.92	$ 140.00	$ 195.92	$ 195.92
			WYE										
144			10" / 6" Dia Storm Drain Pipe Wye	EA	4	0%	4	2.647	$ 32.00	$ 84.70	$ 267.30	$ 352.00	$ 1,407.98
			STORM DRAIN PIPE (ABOVE GRADE)										
			Schedule 40 Solid Wall PVC Pipe With Socket Fittings And Solvent Cement Joint										
145			6" Dia Storm Drain Pipe	LF	306	10%	337	0.277	$ 32.00	$ 8.86	$ 10.73	$ 19.58	$ 6,591.97
			1" Thick "JOHNS MANVILLE, MICRO-LOK" Mineral Fiber Preformed Pipe Insulation, Mineral Or Glass Fiber Bonded With										
146			6" Dia Storm Drain Pipe	LF	306	10%	337	0.08	$ 32.00	$ 2.56	$ 7.49	$ 10.05	$ 3,381.15
			STORM DRAIN PIPE FITTINGS										

+1 (214) 556-2605

DETAILED BREAKDOWN OF ITEMS

Prepared for: New Station 203 Bargersville Community Fire Department, Division Road And S.R. 135 Franklin, IN 46131
Project ID: 13062026
Scope: Plumbing

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
			ELBOW										
147			6" Dia Storm Drain Pipe 45 Deg Elbow	EA	8	0%	8	1.297	$ 32.00	$ 41.50	$ 82.50	$ 124.00	$ 992.01
148			6" Dia Storm Drain Pipe 90 Deg Elbow	EA	8	0%	8	1.081	$ 32.00	$ 34.58	$ 54.50	$ 89.08	$ 712.67
			WYE										
149			6" Dia Storm Drain Pipe Wye	EA	1	0%	1	1.622	$ 32.00	$ 51.89	$ 111.38	$ 163.26	$ 163.26
			GAS PIPE (BELOW GRADE)										
			Schedule 40 Black Steel Pipe "ASTM A53/ A53M" With Malleable Iron Fitting ASME B16.3, Class 150, Standard Pattern										
150			2" Dia Gas Pipe	LF	5	10%	6	0.188	$ 32.00	$ 6.00	$ 21.00	$ 27.00	$ 148.50
			GAS PIPE FITTINGS										
			ELBOW										
151			2" Dia Gas Pipe 90 Deg Elbow	EA	2	0%	2	0.667	$ 32.00	$ 21.34	$ 18.10	$ 39.44	$ 78.87
			GAS PIPE (ABOVE GRADE)										
		Assumed	**Schedule 40 Black Steel Pipe "ASTM A53/ A53M" With Malleable Iron Fitting ASME B16.3, Class 150, Standard Pattern**										
152			1/2" Dia Gas Pipe	LF	226	10%	249	0.095	$ 32.00	$ 3.05	$ 6.00	$ 9.05	$ 2,249.33
153			3/4" Dia Gas Pipe	LF	61	10%	67	0.098	$ 32.00	$ 3.14	$ 7.40	$ 10.54	$ 707.50
154			1" Dia Gas Pipe	LF	87	10%	96	0.113	$ 32.00	$ 3.62	$ 10.10	$ 13.72	$ 1,313.39
155			1-1/4" Dia Gas Pipe	LF	75	10%	83	0.135	$ 32.00	$ 4.32	$ 13.25	$ 17.57	$ 1,449.53
156			2" Dia Gas Pipe	LF	151	10%	166	0.188	$ 32.00	$ 6.00	$ 21.00	$ 27.00	$ 4,484.70
			GAS PIPE FITTINGS										
			ELBOW										
157			1/2" Dia Gas Pipe 90 Deg Elbow	EA	15	0%	15	0.400	$ 32.00	$ 12.79	$ 4.77	$ 17.56	$ 263.43
158			3/4" Dia Gas Pipe 90 Deg Elbow	EA	4	0%	4	0.428	$ 32.00	$ 13.70	$ 4.97	$ 18.67	$ 74.70
159			1" Dia Gas Pipe 90 Deg Elbow	EA	9	0%	9	0.461	$ 32.00	$ 14.76	$ 5.90	$ 20.66	$ 185.94
160			1-1/4" Dia Gas Pipe 90 Deg Elbow	EA	1	0%	1	0.545	$ 32.00	$ 17.45	$ 8.35	$ 25.80	$ 25.80
161			2" Dia Gas Pipe 90 Deg Elbow	EA	5	0%	5	0.667	$ 32.00	$ 21.34	$ 18.10	$ 39.44	$ 197.18
			TEE										
162			1/2" Dia Gas Pipe Tee	EA	2	0%	2	0.667	$ 32.00	$ 21.34	$ 15.98	$ 37.32	$ 74.63
163			3/4" / 1/2" Dia Gas Pipe Tee	EA	1	0%	1	0.667	$ 32.00	$ 21.34	$ 17.00	$ 38.34	$ 38.34
164			1-1/4" / 1/2" Dia Gas Pipe Tee	EA	2	0%	2	0.857	$ 32.00	$ 27.43	$ 34.50	$ 61.93	$ 123.86
165			1-1/4" / 3/4" Dia Gas Pipe Tee	EA	1	0%	1	0.857	$ 32.00	$ 27.43	$ 34.50	$ 61.93	$ 61.93
166			2" / 1/2" Dia Gas Pipe Tee	EA	1	0%	1	1.091	$ 32.00	$ 34.92	$ 62.50	$ 97.42	$ 97.42
167			2" / 3/4" Dia Gas Pipe Tee	EA	2	0%	2	1.091	$ 32.00	$ 34.92	$ 62.50	$ 97.42	$ 194.84
168			2" / 1" Dia Gas Pipe Tee	EA	3	0%	3	1.091	$ 32.00	$ 34.92	$ 62.50	$ 97.42	$ 292.26
			REDUCER										
169			3/4" / 1/2" Dia Gas Pipe Reducer	EA	2	0%	2	0.333	$ 32.00	$ 10.66	$ 19.00	$ 29.66	$ 59.31
170			1" / 1/2" Dia Gas Pipe Reducer	EA	1	0%	1	0.400	$ 32.00	$ 12.79	$ 22.00	$ 34.79	$ 34.79
171			1-1/4" / 3/4" Dia Gas Pipe Reducer	EA	1	0%	1	0.461	$ 32.00	$ 14.76	$ 57.00	$ 71.76	$ 71.76
172			2" / 1-1/4" Dia Gas Pipe Reducer	EA	1	0%	1	0.572	$ 32.00	$ 18.29	$ 106.00	$ 124.29	$ 124.29
			WATER HEATER										
173			WH-1: Gas-Fired, Tankless Water Heater, NAVIEN #NPE-240A	EA	1	0%	1	6.25	$ 32.00	$ 200.00	$ 2,099.00	$ 2,299.00	$ 2,299.00
174			WH-2: Gas-Fired, Tankless Water Heater, NAVIEN #NPE-240A	EA	1	0%	1	6.25	$ 32.00	$ 200.00	$ 2,099.00	$ 2,299.00	$ 2,299.00
175			WH-3: Gas-Fired, Tankless Water Heater, NAVIEN #NPE-240A	EA	1	0%	1	6.25	$ 32.00	$ 200.00	$ 2,099.00	$ 2,299.00	$ 2,299.00
			WATER HEATER DETAIL										
176			ET-1: Domestic Hot Water Expansion Tank, 4.4 Gallon Tank Volume; 3.2 Gallo	EA	1	0%	1	1.20	$ 32.00	$ 38.30	$ 129.26	$ 167.56	$ 167.56
177			1-1/2" Dia Shutoff Valve	EA	6	0%	6	0.86	$ 32.00	$ 27.52	$ 229.80	$ 257.32	$ 1,543.92
178			1-1/2" Dia Check Valve	EA	6	0%	6	0.86	$ 32.00	$ 27.52	$ 287.25	$ 314.77	$ 1,888.62
179		**Details Assumed**	1-1/2" Dia Union	EA	6	0%	6	0.48	$ 32.00	$ 15.32	$ 43.09	$ 58.41	$ 350.45
180			3/4" Dia Pressure And Temperature Relief Valve	EA	3	0%	3	0.48	$ 32.00	$ 15.32	$ 81.39	$ 96.71	$ 290.12
181			1" Dia Drain Valve	EA	3	0%	3	0.48	$ 32.00	$ 15.32	$ 43.09	$ 58.41	$ 175.22
182			24"x24" Drain Pan	EA	3	0%	3	0.96	$ 32.00	$ 30.64	$ 134.05	$ 164.69	$ 494.07
			PUMP										
183		**Assumed**	HWCP: 120° Domestic Hot Water Circulation Pump, BELL AND GOSSETT SER	EA	1	0%	1	6.21	$ 32.00	$ 198.70	$ 2,824.95	$ 3,023.65	$ 3,023.65
			RECIRCULATION PUMP DETAIL										
184			1/2" Dia Shutoff Valve	EA	2	0%	2	0.38	$ 32.00	$ 12.26	$ 33.51	$ 45.77	$ 91.54
185			1" Dia Shutoff Valve	EA	1	0%	1	0.86	$ 32.00	$ 27.58	$ 114.90	$ 142.48	$ 142.48
186			1" Dia Check Valve	EA	1	0%	1	1.05	$ 32.00	$ 33.70	$ 157.99	$ 191.69	$ 191.69
187			1" Dia Dielectric Union	EA	2	0%	2	0.34	$ 32.00	$ 10.72	$ 43.09	$ 53.81	$ 107.62
188			Thermometer	EA	1	0%	1	0.24	$ 32.00	$ 7.66	$ 33.51	$ 41.17	$ 41.17
189			Circuit Setter	EA	1	0%	1	1.44	$ 32.00	$ 45.96	$ 402.15	$ 448.11	$ 448.11
190			Pressure Gauge And Gauge Cock	EA	2	0%	2	0.38	$ 32.00	$ 12.26	$ 71.81	$ 84.07	$ 168.14
191			Vibration Isolating Spring Hanger	EA	2	0%	2	0.72	$ 32.00	$ 22.98	$ 90.96	$ 113.94	$ 227.89
192			Aquastat To Operate Hot Water Circulation Pump Furnished And Installed By Plun	EA	1	0%	1	1.20	$ 32.00	$ 38.30	$ 105.33	$ 143.63	$ 143.63
			HOT WATER BALNCING VALVE DETAILS										
193			1/2" Dia Ball Valve	EA	2	0%	2	0.34	$ 32.00	$ 10.72	$ 28.73	$ 39.45	$ 78.90
194			1/2" Dia Swing Type Check Valve	EA	1	0%	1	0.48	$ 32.00	$ 15.32	$ 52.66	$ 67.98	$ 67.98
195			1/2" Dia Calibrated Balancing Valve	EA	1	0%	1	1.20	$ 32.00	$ 38.30	$ 172.35	$ 210.65	$ 210.65
			AIR COMPRESSOR										
196			AC-1: Two-Stage Electric-Powered Reciprocating Compressor, INGERSOLL RAN	EA	1	0%	1	8.09	$ 32.00	$ 258.91	$ 4,641.00	$ 4,899.91	$ 4,899.91
			AIR COMPRESSOR DETAILS										
197			1" Dia Shutoff Valve	EA	7	0%	7	0.86	$ 32.00	$ 27.58	$ 114.90	$ 142.48	$ 997.33
198			1" Dia Union	EA	6	0%	6	0.29	$ 32.00	$ 9.19	$ 33.51	$ 42.70	$ 256.23
199			1" Dia Water Separator/ Trap	EA	2	0%	2	1.20	$ 32.00	$ 38.30	$ 248.95	$ 287.25	$ 574.50
200			1" Dia Stainless Steel Flexible Connection	EA	1	0%	1	0.57	$ 32.00	$ 18.38	$ 90.96	$ 109.35	$ 109.35
201			1" Dia Main Filter	EA	1	0%	1	1.05	$ 32.00	$ 33.70	$ 172.35	$ 206.05	$ 206.05
202			4" Thick Concrete Pad	EA	1	0%	1	2.39	$ 32.00	$ 76.60	$ 81.39	$ 157.99	$ 157.99
203			Vibration Isolator Pads	EA	1	0%	1	0.38	$ 32.00	$ 12.26	$ 57.45	$ 69.71	$ 69.71
			COMPRESSED AIR DROP DETAILS										
204			1/2" Dia Shutoff Valve	EA	4	0%	4	0.34	$ 32.00	$ 10.72	$ 28.73	$ 39.45	$ 157.80
205			3/4" Dia Shutoff Valve	EA	6	0%	6	0.48	$ 32.00	$ 15.32	$ 43.09	$ 58.41	$ 350.45
206			3/4" Dia Drain Valve	EA	10	0%	10	0.38	$ 32.00	$ 12.26	$ 23.94	$ 36.19	$ 361.94
207			1/2" Dia Female Quick Disconnect Coupler	EA	8	0%	8	0.57	$ 32.00	$ 18.38	$ 81.39	$ 99.77	$ 798.17
208			3/4" Dia Female Quick Disconnect Coupler	EA	12	0%	12	0.72	$ 32.00	$ 22.98	$ 105.33	$ 128.31	$ 1,539.66
			PLUMBING FIXTURES										
209			WC-1: Tank-Type Floor-Mounted, Floor Outlet, Close Coupled, Vitreous Chi	EA	6	0%	6	4.31	$ 32.00	$ 137.88	$ 321.11	$ 458.99	$ 2,753.92
210			L-1: Vitreous China, Wall-Mounted, With Back, Trim: Chicago Faucet #2200	EA	3	0%	3	4.31	$ 32.00	$ 137.88	$ 718.13	$ 856.01	$ 2,568.02
211			L-2: Vitreous China, Undermount Lavatory, Faucet: Like Chicago Faucet #116.21	EA	12	0%	12	7.18	$ 32.00	$ 229.80	$ 2,106.50	$ 2,336.30	$ 28,035.60
212			SH-1: Tub/Shower Head And Thermostatic Mixing Valve Control, CHICAGO F	EA	7	0%	7	7.66	$ 32.00	$ 245.12	$ 1,723.50	$ 1,968.62	$ 13,780.34
213			SK-1: Stainless Steel, One Bowl, Counter Mounted Sink, Trim: Chicago Faucet	EA	1	0%	1	3.35	$ 32.00	$ 107.24	$ 957.50	$ 1,064.74	$ 1,064.74
214			SK-2: Stainless Steel, One Bowl, Counter Mounted Sink, ELKAY #LR3319	EA	1	0%	1	2.87	$ 32.00	$ 91.92	$ 670.25	$ 762.17	$ 762.17
215			SK-3: Commercial™ Stainless Steel 24-inch x 24-inch x 14-inch 16 Gauge One C	EA	1	0%	1	3.83	$ 32.00	$ 122.56	$ 1,340.50	$ 1,463.06	$ 1,463.06
216			MB-1: Floor Mounted MOP Basin, ZURN #Z1996-24	EA	2	0%	2	2.87	$ 32.00	$ 91.92	$ 439.39	$ 531.31	$ 1,062.62
217			EWC-1: Electric Water Cooler With Sensor-Operated Bottle Filler, Stainless	EA	1	0%	1	4.85	$ 32.00	$ 155.20	$ 2,207.11	$ 2,362.31	$ 2,362.31
218			3/4" Dia NFWH-1: Nonfreezing Wall Hydrant With Recessed Box, ZURN #Z1320	EA	10	0%	10	2.87	$ 32.00	$ 91.92	$ 574.50	$ 666.42	$ 6,664.20
219			1/2" Dia WMB-1: Clothes Washer Outlet Box, IPS CORPORATION #SSWB2,	EA	2	0%	2	1.44	$ 32.00	$ 45.96	$ 143.63	$ 189.59	$ 379.17
220			W: Washing Machine	EA	3	0%	3	0.77	$ 32.00	$ 24.51	$ 76.60	$ 101.11	$ 303.34
221			D: Dryer	EA	3	0%	3	0.77	$ 32.00	$ 24.51	$ 76.60	$ 101.11	$ 303.34
222		**Tag Not Given**	Electric Water Cooler	EA	1	0%	1	3.83	$ 32.00	$ 122.56	$ 1,819.25	$ 1,941.81	$ 1,941.81
223			Water Closet	EA	3	0%	3	4.31	$ 32.00	$ 137.88	$ 625.15	$ 763.03	$ 2,289.09
224			Shower	EA	1	0%	1	7.66	$ 32.00	$ 245.12	$ 1,723.50	$ 1,968.62	$ 1,968.62
225			1/2" Dia AHR-1: Spring Retractable Hose Reel With Adjustable Guide Arm (Med	EA	4	0%	4	2.39	$ 32.00	$ 76.60	$ 1,340.50	$ 1,417.10	$ 5,668.40
226			3/4" Dia WHR-1: Spring Retractable Hose Reel With Adjustable Guide Arm (Med	EA	6	0%	6	2.39	$ 32.00	$ 76.60	$ 1,532.00	$ 1,608.60	$ 9,651.60
227			OI-1: Oil/Sand Separator, STRIEM OT-750	EA	1	0%	1	25.45	$ 32.00	$ 814.40	$ 21,000.00	$ 21,814.40	$ 21,814.40
228			GI-1: Grease Interceptor 65 Gallon, SCHIER PRODUCTS GB-50	EA	1	0%	1	7.49	$ 32.00	$ 239.52	$ 2,780.00	$ 3,019.52	$ 3,019.52
229		**Assumed**	WS-1: Dual Domestic Water Softener With Brine Tank, Electrical: 120V / 1-Ph	EA	1	0%	1	4.15	$ 32.00	$ 132.80	$ 2,099.00	$ 2,231.80	$ 2,231.80
			MISCELLANEOUS										
230		**Assumed**	2" Dia Water Meter	EA	1	0%	1	2.87	$ 32.00	$ 91.92	$ 766.00	$ 857.92	$ 857.92
231			2" Dia Gas Meter	EA	1	0%	1	2.87	$ 32.00	$ 91.92	$ 1,149.00	$ 1,240.92	$ 1,240.92
232			4" Dia VTR: Vent Through Roof	EA	1	0%	1	1.44	$ 32.00	$ 45.96	$ 114.90	$ 160.86	$ 160.86
			CLEANOUTS & DRAINS										
233			4" Dia FCO: Floor Cleanout	EA	4	0%	4	1.44	$ 32.00	$ 45.96	$ 172.35	$ 218.31	$ 873.24
234			2" Dia FD-1, J.R. SMITH #2005YA-U-PB, Duco Cast Iron Body With Flashing Co	EA	9	0%	9	1.85	$ 32.00	$ 59.20	$ 312.17	$ 371.37	$ 3,342.33
235			2" Dia SD-1, J.R. SMITH #2005-A05-PB, Duco Cast Iron Body With Flashing Col	EA	8	0%	8	2.39	$ 32.00	$ 76.60	$ 762.00	$ 838.60	$ 6,708.80
236			4" Dia TD-1, DURA TRENCH DTPF8-10B24CI-HDBP15ZSA-GLWCB8-NSR-4I	EA	4	0%	4	22.98	$ 32.00	$ 735.36	$ 6,894.00	$ 7,629.36	$ 30,517.44
237			4" Dia TD-2, DURA TRENCH DTPF8-10B24CI-HDBP15ZSA-GLWCB8-NSR-4I	EA	4	0%	4	28.73	$ 32.00	$ 919.20	$ 8,617.50	$ 9,536.70	$ 38,146.80
238			6" Dia RD-2, J.R. SMITH #1015Y-CL-R-CID, Duco Cast Iron Body With Underde	EA	4	0%	4	2.87	$ 32.00	$ 91.92	$ 544.69	$ 636.61	$ 2,546.44
239			6" Dia RD-4, J.R. SMITH #1015Y-CL-R-CID, Duco Cast Iron Body With Underde	EA	1	0%	1	2.87	$ 32.00	$ 91.92	$ 544.69	$ 636.61	$ 636.61
240			6 "Dia RD-3, Jay R. Smith Mfg. Co. #1510, Duco cast iron body, flashing clamp, a	EA	4	0%	4	2.87	$ 32.00	$ 91.92	$ 478.75	$ 570.67	$ 2,282.68
241			6" Dia OFD-2, J.R. SMITH #1045Y-CL-R-CIDDuco Cast Iron Body With Underde	EA	4	0%	4	3.35	$ 32.00	$ 107.24	$ 670.25	$ 777.49	$ 3,109.96
			VALVES										

+1 (214) 556-2605

DETAILED BREAKDOWN OF ITEMS

Prepared for: New Station 203 Bargersville Community Fire Department, Division Road And S.R. 135 Franklin, IN 46131
Project ID: 13062026
Scope: Plumbing

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
242		Assumed	1/2" Dia Ball Valve	EA	42	0%	42	0.45	$ 32.00	$ 14.40	$ 33.51	$ 47.91	$ 2,012.33
243			1/2" Dia Ball Valve	EA	1	0%	1	0.45	$ 32.00	$ 14.40	$ 33.51	$ 47.91	$ 47.91
244		Assumed	3/4" Dia Ball Valve	EA	2	0%	2	0.45	$ 32.00	$ 14.40	$ 47.88	$ 62.28	$ 124.55
245			3/4" Dia Ball Valve	EA	8	0%	8	0.45	$ 32.00	$ 14.40	$ 47.88	$ 62.28	$ 498.20
246			1" Dia Ball Valve	EA	1	0%	1	0.68	$ 32.00	$ 21.76	$ 86.18	$ 107.94	$ 107.94
247			1" Dia Ball Valve	EA	2	0%	2	0.68	$ 32.00	$ 21.76	$ 86.18	$ 107.94	$ 215.87
248			2" Dia Ball Valve	EA	1	0%	1	1.45	$ 32.00	$ 46.40	$ 239.38	$ 285.78	$ 285.78
249			3/4" Dia Check Valve	EA	1	0%	1	0.68	$ 32.00	$ 21.76	$ 114.90	$ 136.66	$ 136.66
250			1" Dia Check Valve	EA	2	0%	2	0.68	$ 32.00	$ 21.76	$ 153.20	$ 174.96	$ 349.92
251			1/2" Dia Gas Shutoff Valve	EA	13	0%	13	0.65	$ 32.00	$ 20.80	$ 172.35	$ 193.15	$ 2,510.95
252			1/2" Dia Gas Union	EA	13	0%	13	0.55	$ 32.00	$ 17.60	$ 47.88	$ 65.48	$ 851.18
253			1" Dia Gas Union	EA	2	0%	2	0.65	$ 32.00	$ 20.80	$ 86.18	$ 106.98	$ 213.95
254			2" Dia Gas Union	EA	1	0%	1	0.75	$ 32.00	$ 24.00	$ 134.05	$ 158.05	$ 158.05
255			1/2" Dia Gas Cock	EA	13	0%	13	0.55	$ 32.00	$ 17.60	$ 114.90	$ 132.50	$ 1,722.50
256			1" Dia Gas Cock	EA	2	0%	2	0.65	$ 32.00	$ 20.80	$ 172.35	$ 193.15	$ 386.30
257			2" Dia Gas Cock	EA	1	0%	1	0.85	$ 32.00	$ 27.20	$ 287.25	$ 314.45	$ 314.45
258			1" Dia Gas Shutoff Valve	EA	2	0%	2	0.65	$ 32.00	$ 20.80	$ 191.50	$ 212.30	$ 424.60
259			2" Dia Gas Shutoff Valve	EA	2	0%	2	0.85	$ 32.00	$ 27.20	$ 335.13	$ 362.33	$ 724.65
260			Pressure Gauge	EA	16	0%	16	0.85	$ 32.00	$ 27.20	$ 143.63	$ 170.83	$ 2,733.20
261			1/2" Dia Pressure Regulator	EA	13	0%	13	1.20	$ 32.00	$ 38.40	$ 239.38	$ 277.78	$ 3,611.08
262			1" Dia Pressure Regulator	EA	2	0%	2	1.20	$ 32.00	$ 38.40	$ 335.13	$ 373.53	$ 747.05
263			2" Dia Pressure Regulator	EA	2	0%	2	1.65	$ 32.00	$ 52.80	$ 574.50	$ 627.30	$ 1,254.60
			P-TRAPS										
264			1-1/2" Dia P-Trap	EA	18	0%	18	0.55	$ 32.00	$ 17.60	$ 38.30	$ 55.90	$ 1,006.20
265			2" Dia P-Trap	EA	25	0%	25	0.68	$ 32.00	$ 21.76	$ 57.45	$ 79.21	$ 1,980.25
266			4" Dia P-Trap	EA	6	0%	6	1.15	$ 32.00	$ 36.77	$ 114.90	$ 151.67	$ 910.01
267			6" Dia P-Trap	EA	15	0%	15	1.44	$ 32.00	$ 45.96	$ 153.20	$ 199.16	$ 2,987.40
			PVC COUPLING										
268			1-1/2" Dia	EA	6	0%	6	0.00	$ 32.00	$ -	$ -	$ -	$ -
269			2" Dia	EA	26	0%	26	0.00	$ 32.00	$ -	$ -	$ -	$ -
270			3" Dia	EA	16	0%	16	0.00	$ 32.00	$ -	$ -	$ -	$ -
271			4" Dia	EA	84	0%	84	0.00	$ 32.00	$ -	$ -	$ -	$ -
272			6" Dia	EA	42	0%	42	0.00	$ 32.00	$ -	$ -	$ -	$ -
273			10" Dia	EA	8	0%	8	0.00	$ 32.00	$ -	$ -	$ -	$ -
			NO-HUB COUPLING										
274			1-1/2" Dia	EA	154	0%	154	0.00	$ 32.00	$ -	$ -	$ -	$ -
275			2" Dia	EA	160	0%	160	0.00	$ 32.00	$ -	$ -	$ -	$ -
276			4" Dia	EA	8	0%	8	0.00	$ 32.00	$ -	$ -	$ -	$ -
			PIPE SUPPORT										
277			1/2" Dia Adjustable Clevis Hanger	EA	153	0%	153	0.00	$ 32.00	$ -	$ -	$ -	$ -
278			3/4" Dia Adjustable Clevis Hanger	EA	99	0%	99	0.00	$ 32.00	$ -	$ -	$ -	$ -
279			1" Dia Adjustable Clevis Hanger	EA	104	0%	104	0.00	$ 32.00	$ -	$ -	$ -	$ -
280			1-1/4" Dia Adjustable Clevis Hanger	EA	8	0%	8	0.00	$ 32.00	$ -	$ -	$ -	$ -
281			1-1/2" Dia Adjustable Clevis Hanger	EA	62	0%	62	0.00	$ 32.00	$ -	$ -	$ -	$ -
282			2" Dia Adjustable Clevis Hanger	EA	151	0%	151	0.00	$ 32.00	$ -	$ -	$ -	$ -
283			4" Dia Adjustable Clevis Hanger	EA	5	0%	5	0.00	$ 32.00	$ -	$ -	$ -	$ -
284			6" Dia Adjustable Clevis Hanger	EA	51	0%	51	0.00	$ 32.00	$ -	$ -	$ -	$ -
285			3/8" Dia Threaded Rod (1 Ea. = 1 FT)	EA	426	0%	426	0.05	$ 32.00	$ 1.44	$ 2.26	$ 3.70	$ 1,576.20
286			1/2" Dia Threaded Rod (1 Ea. = 1 FT)	EA	207	0%	207	0.07	$ 32.00	$ 2.08	$ 4.59	$ 6.67	$ 1,380.69
			TRENCHING & BACKFILLING										
287			Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Mate	CFT	4611	0%	4611	0.12	$ 32.00	$ 3.84	$ -	$ 3.84	$ 17,706.24
												SUBTOTAL	**$ 450,020**

PROJECTED COST		**$495,020**
OVERHEAD AND PROFIT	**25%**	**$123,755**
INSURANCE	**3%**	**$14,851**
CONTINGENCY	**5%**	**$24,751**
TAX	**7%**	**$23,672**
SUGGESTED BID		**$682,049**

Notes:

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

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MATERIAL LIST

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USA ESTIMATORS

Date: 23-Sep-26

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
			PLUMBING		
			COLD WATER PIPE (BELOW GRADE)		
			Type "K" Soft Copper Tubing "ASTM B88" With Wrought Copper Fittings And Brazed Joint		
8			2" Dia Cold Water Pipe	EA	3
			COLD WATER PIPE FITTINGS		
			ELBOW		
9			2" Dia Cold Water Pipe 90 Deg Elbow	EA	1
			COLD WATER PIPE (ABOVE GRADE)		
			Type "L" Hard Copper Tubing "ASTM B88" With Wrought Copper Fittings And Soldered Joint		
10			1/2" Dia Cold Water Pipe	EA	82
11			3/4" Dia Cold Water Pipe	EA	16
12			1" Dia Cold Water Pipe	EA	18
13			1-1/2" Dia Cold Water Pipe	EA	9
14			2" Dia Cold Water Pipe	EA	17
			1" Thick "JOHNS MANVILLE, MICRO-LOK" Mineral Fiber Preformed Pipe Insulation, Mineral Or Glass Fiber Bonded With Thermosetting Resin, Comply With ASTM C547, Type I Grade A, Factory Applied jackets		
15			1/2" Dia Cold Water Pipe	EA	82
16			3/4" Dia Cold Water Pipe	EA	16
17			1" Dia Cold Water Pipe	EA	18
18			1-1/2" Dia Cold Water Pipe	EA	9
19			2" Dia Cold Water Pipe	EA	17
			COLD WATER PIPE FITTINGS		
			ELBOW		
20			1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	137
21			3/4" Dia Cold Water Pipe 90 Deg Elbow	EA	16
22			1" Dia Cold Water Pipe 90 Deg Elbow	EA	6
23			1-1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	4
24			2" Dia Cold Water Pipe 90 Deg Elbow	EA	8
			TEE		
25			1/2" Dia Cold Water Pipe Tee	EA	2
26			3/4" Dia Cold Water Pipe Tee	EA	1
27			2" Dia Cold Water Pipe Tee	EA	2
28			3/4" / 1/2" Dia Cold Water Pipe Tee	EA	18
29			1" / 1/2" Dia Cold Water Pipe Tee	EA	2
30			1" / 3/4" Dia Cold Water Pipe Tee	EA	3
31			1-1/2" / 3/4" Dia Cold Water Pipe Tee	EA	1
32			1-1/2" / 1" Dia Cold Water Pipe Tee	EA	1
33			2" / 1/2" Dia Cold Water Pipe Tee	EA	2
34			2" / 3/4" Dia Cold Water Pipe Tee	EA	6
			REDUCER		
35			3/4" / 1/2" Dia Cold Water Pipe Reducer	EA	8
36			1" / 1/2" Dia Cold Water Pipe Reducer	EA	1
37			1" / 3/4" Dia Cold Water Pipe Reducer	EA	1
38			1-1/2" / 1" Dia Cold Water Pipe Reducer	EA	1

USA ESTIMATORS

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
39			2" / 1-1/2" Dia Cold Water Pipe Reducer	EA	4
			RAW COLD PIPE (ABOVE GRADE)		
			Type "L" Hard Copper Tubing "ASTM B88" With Wrought Copper Fittings And Soldered Joint		
40			3/4" Dia Raw Cold Water Pipe	EA	32
41			1" Dia Raw Cold Water Pipe	EA	25
			1" Thick "JOHNS MANVILLE, MICRO-LOK" Mineral Fiber Preformed Pipe Insulation, Mineral Or Glass Fiber Bonded With Thermosetting Resin, Comply With ASTM C547, Type I Grade A, Factory Applied jackets		
42			3/4" Dia Raw Cold Water Pipe	EA	32
43			1" Dia Raw Cold Water Pipe	EA	25
			RAW COLD PIPE FITTINGS		
			ELBOW		
44			3/4" Dia Raw Cold Water Pipe 90 Deg Elbow	EA	29
45			1" Dia Raw Cold Water Pipe 90 Deg Elbow	EA	13
			TEE		
46			1" Dia Raw Cold Water Pipe Tee	EA	1
47			1" / 3/4" Dia Raw Cold Water Pipe Tee	EA	5
			REDUCER		
48			1" / 3/4" Dia Raw Cold Water Pipe Reducer	EA	4
			HOT WATER PIPE (ABOVE GRADE)		
			Type "L" Hard Copper Tubing "ASTM B88" With Wrought Copper Fittings And Soldered Joint		
49			1/2" Dia Hot Water Pipe	EA	35
50			3/4" Dia Hot Water Pipe	EA	20
51			1" Dia Hot Water Pipe	EA	10
52			1-1/2" Dia Hot Water Pipe	EA	26
			1" Thick "JOHNS MANVILLE, MICRO-LOK" Mineral Fiber Preformed Pipe Insulation, Mineral Or Glass Fiber Bonded With Thermosetting Resin, Comply With ASTM C547, Type I Grade A, Factory Applied jackets		
53			1/2" Dia Hot Water Pipe	EA	35
54			3/4" Dia Hot Water Pipe	EA	20
55			1" Dia Hot Water Pipe	EA	10
56			1-1/2" Dia Hot Water Pipe	EA	26
			HOT WATER PIPE FITTINGS		
			ELBOW		
57			1/2" Dia Hot Water Pipe 90 Deg Elbow	EA	73
58			3/4" Dia Hot Water Pipe 90 Deg Elbow	EA	14
59			1" Dia Hot Water Pipe 90 Deg Elbow	EA	3
60			1-1/2" Dia Hot Water Pipe 90 Deg Elbow	EA	11
			TEE		
61			1/2" Dia Hot Water Pipe Tee	EA	7
62			3/4" Dia Hot Water Pipe Tee	EA	5
63			1-1/2" Dia Hot Water Pipe Tee	EA	2
64			3/4" / 1/2" Dia Hot Water Pipe Tee	EA	16
65			1" / 3/4" Dia Hot Water Pipe Tee	EA	3
66			1-1/2" / 1/2" Dia Hot Water Pipe Tee	EA	1
67			1-1/2" / 3/4" Dia Hot Water Pipe Tee	EA	2
			REDUCER		
68			3/4" / 1/2" Dia Hot Water Pipe Reducer	EA	11
69			1-1/2" / 3/4" Dia Hot Water Pipe Reducer	EA	1
70			1-1/2" / 1" Dia Hot Water Pipe Reducer	EA	2
			HOT WATER RETURN PIPE (ABOVE GRADE)		
			Type "L" Hard Copper Tubing "ASTM B88" With Wrought Copper Fittings And Soldered Joint		
71			1/2" Dia Hot Water Return Pipe	EA	13
72			3/4" Dia Hot Water Return Pipe	EA	23
73			1" Dia Hot Water Return Pipe	EA	22
			1" Thick "JOHNS MANVILLE, MICRO-LOK" Mineral Fiber Preformed Pipe Insulation, Mineral Or Glass Fiber Bonded With Thermosetting Resin, Comply With ASTM C547, Type I Grade A, Factory Applied jackets		
74			1/2" Dia Hot Water Return Pipe	EA	13
75			3/4" Dia Hot Water Return Pipe	EA	23
76			1" Dia Hot Water Return Pipe	EA	22
			HOT WATER RETURN PIPE FITTINGS		
			ELBOW		
77			1/2" Dia Hot Water Return Pipe 90 Deg Elbow	EA	14
78			3/4" Dia Hot Water Return Pipe 90 Deg Elbow	EA	9
79			1" Dia Hot Water Return Pipe 90 Deg Elbow	EA	12
			TEE		

MATERIAL LIST

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USA ESTIMATORS

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
80			1" Dia Hot Water Return Pipe Tee	EA	2
81			3/4" / 1/2" Dia Hot Water Return Pipe Tee	EA	5
82			1" / 1/2" Dia Hot Water Return Pipe Tee	EA	2
			REDUCER		
83			3/4" / 1/2" Dia Hot Water Return Pipe Reducer	EA	1
84			1" / 3/4" Dia Hot Water Return Pipe Reducer	EA	3
			COMPRESSED AIR PIPE (ABOVE GRADE)		
			Schedule 40 Black Steel Pipe With Malleable Fitting And Threaded Joints		
85			1/2" Dia Compressed Air Pipe	EA	2
86			3/4" Dia Compressed Air Pipe	EA	5
87			1" Dia Compressed Air Pipe	EA	23
			COMPRESSED AIR PIPE FITTINGS		
			ELBOW		
88			1/2" Dia Compressed Air Pipe 90 Deg Elbow	EA	6
89			3/4" Dia Compressed Air Pipe 90 Deg Elbow	EA	13
90			1" Dia Compressed Air Pipe 90 Deg Elbow	EA	14
			TEE		
91			1" / 1/2" Dia Compressed Air Pipe Tee	EA	3
92			1" / 3/4" Dia Compressed Air Pipe Tee	EA	5
			REDUCER		
93			1" / 3/4" Dia Compressed Air Pipe Reducer	EA	1
			WASTE PIPE (BELOW GRADE)		
			Schedule 40 Solid Wall PVC Pipe With PVC Pipe Fittings And Solvent Cement joint		
94			1-1/2" Dia Waste Pipe	EA	6
95			2" Dia Waste Pipe	EA	21
96			3" Dia Waste Pipe	EA	4
97			4" Dia Waste Pipe	EA	70
98			6" Dia Waste Pipe	EA	1
			WASTE PIPE FITTINGS		
			ELBOW		
99			1-1/2" Dia Waste Pipe 45 Deg Elbow	EA	1
100			2" Dia Waste Pipe 45 Deg Elbow	EA	26
101			3" Dia Waste Pipe 45 Deg Elbow	EA	6
102			4" Dia Waste Pipe 45 Deg Elbow	EA	46
103			1-1/2" Dia Waste Pipe 90 Deg Elbow	EA	13
104			2" Dia Waste Pipe 90 Deg Elbow	EA	19
			WYE		
105			2" Dia Waste Pipe Wye	EA	3
106			3" / 2" Dia Waste Pipe Wye	EA	3
107			4" Dia Waste Pipe Wye	EA	20
108			4" / 1-1/2" Dia Waste Pipe Wye	EA	13
109			4" / 2" Dia Waste Pipe Wye	EA	18
110			4" / 3" Dia Waste Pipe Wye	EA	3
			REDUCER		
111			2" / 1-1/2" Dia Waste Pipe Reducer	EA	1
112			3" / 2" Dia Waste Pipe Reducer	EA	2
113			4" / 2" Dia Waste Pipe Reducer	EA	5
			WASTE PIPE (ABOVE GRADE)		
			Hubless Cast Iron Soil Pipe With Fittings And Heavy Duty Hubless Coupling And Coupled Joint		
114			1-1/2" Dia Waste Pipe	EA	6
115			2" Dia Waste Pipe	EA	7
			WASTE PIPE FITTINGS		
			ELBOW		
116			1-1/2" Dia Waste Pipe 45 Deg Elbow	EA	18
117			2" Dia Waste Pipe 45 Deg Elbow	EA	7
			WYE		
118			1-1/2" Dia Waste Pipe Wye	EA	18
119			2" Dia Waste Pipe Wye	EA	12
			REDUCER		
120			2" / 1-1/2" Dia Waste Pipe Reducer	EA	6
			GREASE WASTE PIPE (BELOW GRADE)		
			Schedule 40 Solid Wall PVC Pipe With PVC Pipe Fittings And Solvent Cement joint		
121			3" Dia Grease Waste Pipe	EA	13
122			4" Dia Grease Waste Pipe	EA	15
			GREASE WASTE PIPE FITTINGS		
			ELBOW		
123			2" Dia Grease Waste Pipe 45 Deg Elbow	EA	2
124			3" Dia Grease Waste Pipe 45 Deg Elbow	EA	4

USA ESTIMATORS

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
125	P501, FP101, PP101, PR101		4" Dia Grease Waste Pipe 45 Deg Elbow	EA	12
			WYE		
126			4" Dia Grease Waste Wye	EA	7
127			4" / 2" Dia Grease Waste Wye	EA	1
			VENT PIPE (BELOW GRADE)		
			Schedule 40 Solid Wall PVC Pipe With PVC Pipe Fittings And Solvent Cement joint		
128			2" Dia Vent Pipe	EA	6
			VENT PIPE FITTINGS		
			ELBOW		
129			2" Dia Vent Pipe 90 Deg Elbow	EA	2
			VENT PIPE (ABOVE GRADE)		
			Hubless Cast Iron Soil Pipe With Fittings And Heavy Duty Hubless Coupling And Coupled Joint		
130			1-1/2" Dia Vent Pipe	EA	23
131			2" Dia Vent Pipe	EA	54
132			4" Dia Vent Pipe	EA	3
			VENT PIPE FITTINGS		
			ELBOW		
133			1-1/2" Dia Vent Pipe 90 Deg Elbow	EA	20
134			2" Dia Vent Pipe 90 Deg Elbow	EA	9
135			4" Dia Vent Pipe 90 Deg Elbow	EA	4
			TEE		
136			2" Dia Vent Pipe Tee	EA	21
137			2" / 1-1/2" Dia Vent Pipe Tee	EA	5
			REDUCER		
138			2" / 1-1/2" Dia Vent Pipe Reducer	EA	13
			STORM DRAIN PIPE (BELOW GRADE)		
			Schedule 40 Solid Wall PVC Pipe With Socket Fittings And Solvent Cement Joint		
139			6" Dia Storm Drain Pipe	EA	11
140			10" Dia Storm Drain Pipe	EA	9
			STORM DRAIN PIPE FITTINGS		
			ELBOW		
141			6" Dia Storm Drain Pipe 45 Deg Elbow	EA	10
142			6" Dia Storm Drain Pipe 90 Deg Elbow	EA	2
143			10" Dia Storm Drain Pipe 90 Deg Elbow	EA	1
			WYE		
144			10" / 6" Dia Storm Drain Pipe Wye	EA	4
			STORM DRAIN PIPE (ABOVE GRADE)		
			Schedule 40 Solid Wall PVC Pipe With Socket Fittings And Solvent Cement Joint		
145			6" Dia Storm Drain Pipe	EA	31
			1" Thick "JOHNS MANVILLE, MICRO-LOK" Mineral Fiber Preformed Pipe Insulation, Mineral Or Glass Fiber Bonded With		
146			6" Dia Storm Drain Pipe	EA	31
			STORM DRAIN PIPE FITTINGS		
			ELBOW		
147			6" Dia Storm Drain Pipe 45 Deg Elbow	EA	8
148			6" Dia Storm Drain Pipe 90 Deg Elbow	EA	8
			WYE		
149			6" Dia Storm Drain Pipe Wye	EA	1
			GAS PIPE (BELOW GRADE)		
			Schedule 40 Black Steel Pipe "ASTM A53/ A53M" With Malleable Iron Fitting ASME B16.3, Class 150, Standard Pattern		
150			2" Dia Gas Pipe	EA	1
			GAS PIPE FITTINGS		
			ELBOW		
151			2" Dia Gas Pipe 90 Deg Elbow	EA	2
			GAS PIPE (ABOVE GRADE)		
		Assumed	**Schedule 40 Black Steel Pipe "ASTM A53/ A53M" With Malleable Iron Fitting ASME B16.3, Class 150, Standard Pattern**		
152			1/2" Dia Gas Pipe	EA	23
153			3/4" Dia Gas Pipe	EA	7
154			1" Dia Gas Pipe	EA	9
155			1-1/4" Dia Gas Pipe	EA	8
156			2" Dia Gas Pipe	EA	16
			GAS PIPE FITTINGS		
			ELBOW		
157			1/2" Dia Gas Pipe 90 Deg Elbow	EA	15
158			3/4" Dia Gas Pipe 90 Deg Elbow	EA	4

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Date: 23-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
159			1" Dia Gas Pipe 90 Deg Elbow	EA	9
160			1-1/4" Dia Gas Pipe 90 Deg Elbow	EA	1
161			2" Dia Gas Pipe 90 Deg Elbow	EA	5
			TEE		
162			1/2" Dia Gas Pipe Tee	EA	2
163			3/4" / 1/2" Dia Gas Pipe Tee	EA	1
164			1-1/4" / 1/2" Dia Gas Pipe Tee	EA	2
165			1-1/4" / 3/4" Dia Gas Pipe Tee	EA	1
166			2" / 1/2" Dia Gas Pipe Tee	EA	1
167			2" / 3/4" Dia Gas Pipe Tee	EA	2
168			2" / 1" Dia Gas Pipe Tee	EA	3
			REDUCER		
169			3/4" / 1/2" Dia Gas Pipe Reducer	EA	2
170			1" / 1/2" Dia Gas Pipe Reducer	EA	1
171			1-1/4" / 3/4" Dia Gas Pipe Reducer	EA	1
172			2" / 1-1/4" Dia Gas Pipe Reducer	EA	1
			WATER HEATER		
173			WH-1: Gas-Fired, Tankless Water Heater, NAVIEN #NPE-240A	EA	1
174			WH-2: Gas-Fired, Tankless Water Heater, NAVIEN #NPE-240A	EA	1
175			WH-3: Gas-Fired, Tankless Water Heater, NAVIEN #NPE-240A	EA	1
			WATER HEATER DETAIL		
176			ET-1: Domestic Hot Water Expansion Tank, 4.4 Gallon Tank Volume; 3.2 Gall	EA	1
177			1-1/2" Dia Shutoff Valve	EA	6
178			1-1/2" Dia Check Valve	EA	6
179		**Details Assumed**	1-1/2" Dia Union	EA	6
180			3/4" Dia Pressure And Temperature Relief Valve	EA	3
181			1" Dia Drain Valve	EA	3
182			24"x24" Drain Pan	EA	3
			PUMP		
183		**Assumed**	HWCP: 120° Domestic Hot Water Circulation Pump, BELL AND GOSSETT SER	EA	1
			RECIRCULATION PUMP DETAIL		
184			1/2" Dia Shutoff Valve	EA	2
185			1" Dia Shutoff Valve	EA	1
186			1" Dia Check Valve	EA	1
187			1" Dia Dielectric Union	EA	2
188			Thermometer	EA	1
189			Circuit Setter	EA	1
190			Pressure Gauge And Gauge Cock	EA	2
191			Vibration Isolating Spring Hanger	EA	2
192			Aquastat To Operate Hot Water Circulation Pump Furnished And Installed By Plu	EA	1
			HOT WATER BALNCING VALVE DETAILS		
193			1/2" Dia Ball Valve	EA	2
194			1/2" Dia Swing Type Check Valve	EA	1
195			1/2" Dia Calibrated Balancing Valve	EA	1
			AIR COMPRESSOR		
196			AC-1: Two-Stage Electric-Powered Reciprocating Compressor, INGERSOLL RAI	EA	1
			AIR COMPRESSOR DETAILS		
197			1" Dia Shutoff Valve	EA	7
198			1" Dia Union	EA	6
199			1" Dia Water Separator/ Trap	EA	2
200			1" Dia Stainless Steel Flexible Connection	EA	1
201			1" Dia Main Filter	EA	1
202			4" Thick Concrete Pad	EA	1
203			Vibration Isolator Pads	EA	1
			COMPRESSED AIR DROP DETAILS		
204			1/2" Dia Shutoff Valve	EA	4
205			3/4" Dia Shutoff Valve	EA	6
206			3/4" Dia Drain Valve	EA	10
207			1/2" Dia Female Quick Disconnect Coupler	EA	8
208			3/4" Dia Female Quick Disconnect Coupler	EA	12
			PLUMBING FIXTURES		
209			WC-1: Tank-Type Floor-Mounted, Floor Outlet, Close Coupled, Vitreous Ch	EA	6
210			L-1: Vitreous China, Wall-Mounted, With Back, Trim: Chicago Faucet #2200	EA	3
211			L-2: Vitreous China, Undermount Lavatory, Faucet: Like Chicago Faucet #116.2	EA	12
212			SH-1: Tub/Shower Head And Thermostatic Mixing Valve Control, CHICAGO	EA	7

USA ESTIMATORS

MATERIAL LIST

Prepared for: New Station 203 Bargersville Community Fire Department, Division Road And S.R. 135 Franklin, IN 46131
Project ID: 13062026
Scope: Plumbing

USA ESTIMATORS

Date: 23-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
213			SK-1: Stainless Steel, One Bowl, Counter Mounted Sink, Trim: Chicago Fauce	EA	1
214			SK-2: Stainless Steel, One Bowl, Counter Mounted Sink, ELKAY #LR3319	EA	1
215			SK-3: Commercial™ Stainless Steel 24-inch x 24-inch x 14-inch 16 Gauge One C	EA	1
216			MB-1: Floor Mounted MOP Basin, ZURN #Z1996-24	EA	2
217			EWC-1: Electric Water Cooler With Sensor-Operated Bottle Filler, Stainless	EA	1
218			3/4" Dia NFWH-1: Nonfreezing Wall Hydrant With Recessed Box, ZURN #Z132	EA	10
219			1/2" Dia WMB-1: Clothes Washer Outlet Box, IPS CORPORATION #SSWB2,	EA	2
220			W: Washing Machine	EA	3
221			D: Dryer	EA	3
222		**Tag Not Given**	Electric Water Cooler	EA	1
223			Water Closet	EA	3
224			Shower	EA	1
225			1/2" Dia AHR-1: Spring Retractable Hose Reel With Adjustable Guide Arm (Medi	EA	4
226			3/4" Dia WHR-1: Spring Retractable Hose Reel With Adjustable Guide Arm (Med	EA	6
227			OI-1: Oil/Sand Separator, STRIEM OT-750	EA	1
228			GI-1: Grease Interceptor 65 Gallon, SCHIER PRODUCTS GB-50	EA	1
229		**Assumed**	WS-1: Dual Domestic Water Softener With Brine Tank, Electrical: 120V / 1-P	EA	1
			MISCELLANEOUS		
230		**Assumed**	2" Dia Water Meter	EA	1
231			2" Dia Gas Meter	EA	1
232			4" Dia VTR: Vent Through Roof	EA	1
			CLEANOUTS & DRAINS		
233			4" Dia FCO: Floor Cleanout	EA	4
234			2" Dia FD-1, J.R. SMITH #2005YA-U-PB, Duco Cast Iron Body With Flashing C	EA	9
235			2" Dia SD-1, J.R. SMITH #2005-A05-PB, Duco Cast Iron Body With Flashing Co	EA	8
236			4" Dia TD-1, DURA TRENCH DTPF8-10B24CI-HDBP15ZSA-GLWCB8-NSR-4	EA	4
237			4" Dia TD-2, DURA TRENCH DTPF8-10B24CI-HDBP15ZSA-GLWCB8-NSR-4	EA	4
238			6" Dia RD-2, J.R. SMITH #1015Y-CL-R-CID, Duco Cast Iron Body With Underd	EA	4
239			6" Dia RD-4, J.R. SMITH #1015Y-CL-R-CID, Duco Cast Iron Body With Underd	EA	1
240			6 "Dia RD-3, Jay R. Smith Mfg. Co. #1510, Duco cast iron body, flashing clamp, a	EA	4
241			6" Dia OFD-2, J.R. SMITH #1045Y-CL-R-CIDDuco Cast Iron Body With Underd	EA	4
			VALVES		
242		**Assumed**	1/2" Dia Ball Valve	EA	42
243			1/2" Dia Ball Valve	EA	1
244		**Assumed**	3/4" Dia Ball Valve	EA	2
245			3/4" Dia Ball Valve	EA	8
246			1" Dia Ball Valve	EA	1
247			1" Dia Ball Valve	EA	2
248			2" Dia Ball Valve	EA	1
249			3/4" Dia Check Valve	EA	1
250			1" Dia Check Valve	EA	2
251			1/2" Dia Gas Shutoff Valve	EA	13
252			1/2" Dia Gas Union	EA	13
253			1" Dia Gas Union	EA	2
254			2" Dia Gas Union	EA	1
255			1/2" Dia Gas Cock	EA	13
256			1" Dia Gas Cock	EA	2
257			2" Dia Gas Cock	EA	1
258			1" Dia Gas Shutoff Valve	EA	2
259			2" Dia Gas Shutoff Valve	EA	2
260			Pressure Gauge	EA	16
261			1/2" Dia Pressure Regulator	EA	13
262			1" Dia Pressure Regulator	EA	2
263			2" Dia Pressure Regulator	EA	2
			P-TRAPS		
264			1-1/2" Dia P-Trap	EA	18
265			2" Dia P-Trap	EA	25
266			4" Dia P-Trap	EA	6
267			6" Dia P-Trap	EA	15
			PVC COUPLING		
268			1-1/2" Dia	EA	6
269			2" Dia	EA	26

USA ESTIMATORS

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USA ESTIMATORS

Date: 23-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
270			3" Dia	EA	16
271			4" Dia	EA	84
272			6" Dia	EA	42
273			10" Dia	EA	8
			NO-HUB COUPLING		
274			1-1/2" Dia	EA	154
275			2" Dia	EA	160
276			4" Dia	EA	8
			PIPE SUPPORT		
277			1/2" Dia Adjustable Clevis Hanger	EA	153
278			3/4" Dia Adjustable Clevis Hanger	EA	99
279			1" Dia Adjustable Clevis Hanger	EA	104
280			1-1/4" Dia Adjustable Clevis Hanger	EA	8
281			1-1/2" Dia Adjustable Clevis Hanger	EA	62
282			2" Dia Adjustable Clevis Hanger	EA	151
283			4" Dia Adjustable Clevis Hanger	EA	5
284			6" Dia Adjustable Clevis Hanger	EA	51
285			3/8" Dia Threaded Rod (1 Ea. = 1 FT)	EA	426
286			1/2" Dia Threaded Rod (1 Ea. = 1 FT)	EA	207
			TRENCHING & BACKFILLING		
287			Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Mat	CFT	4611

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