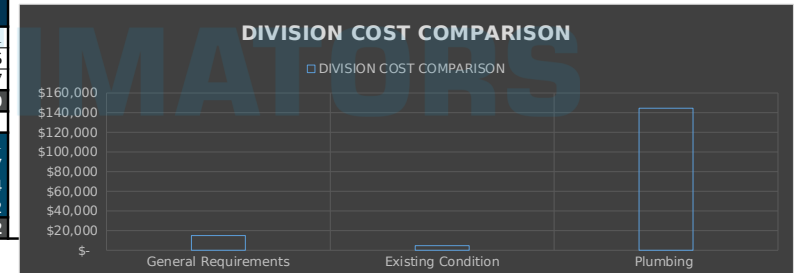


GENERAL SUMMARY

Prepared for: Station 201 Addition & Renovation, Bargersville Community Fire Department, Bargersville, IN 46106
Project ID: 15062026
Scope: Plumbing
No. Of Floors: 1
Date: 23-Sep-26



BUILDING GSF		18,590		
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)	
1000	General Requirements	\$ 15,000	\$	0.81
2000	Existing Condition	\$ 4,737	\$	0.25
22000	Plumbing	\$ 144,509	\$	7.77
TOTAL TRADE COST		\$ 164,246	\$	9
OVERHEAD AND PROFIT		25%	\$ 41,061	\$ 2.21
INSURANCE		3%	\$ 4,927	\$ 0.27
CONTINGENCY		5%	\$ 8,212	\$ 0.44
TAX		7%	\$ 7,129	\$ 0.62
SUGGESTED BID		\$ 225,576	\$	12



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DETAILED BREAKDOWN OF ITEMS

Prepared for: Station 201 Addition & Renovation, Bargersville Community Fire Department, Bargersville, IN 46106
 Project ID: 15062026
 Scope: Plumbing



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													
Price			Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
1			Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 6,000.00	\$ 6,000.00
2			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
3			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 1,500.00
4			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 4,500.00	\$ 4,500.00
5			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 3,000.00	\$ 3,000.00
6			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
												SUBTOTAL	\$ 15,000
EXISTING CONDITIONS													
			DEMOLITION										
7	PD101 & PDF10		Existing Plumbing Piping W/ Associated Fittings To Be Removed	LF	803	0%	803	0.120	\$ 32.00	\$ 3.84	\$ -	\$ 3.84	\$ 3,085.25
8			Existing Floor Drain With Associated Trim, Supply Stops, Valves, Tailpiece &	EA	3	0%	3	1.450	\$ 32.00	\$ 46.40	\$ -	\$ 46.40	\$ 139.20
9			Existing Grease Interceptor To Be Removed	EA	1	0%	1	5.250	\$ 32.00	\$ 168.00	\$ -	\$ 168.00	\$ 168.00
10			Existing Lavatory With Associated Trim, Supply Stops, Valves, Tailpiece & Tr	EA	6	0%	6	2.050	\$ 32.00	\$ 65.60	\$ -	\$ 65.60	\$ 393.60
11			Existing Lavatory With Associated Trim, Valves To Be Removed & Capped Piping	EA	1	0%	1	2.050	\$ 32.00	\$ 65.60	\$ -	\$ 65.60	\$ 65.60
12			Existing Sink With Associated Trim, Supply Stops, Valves, Tailpiece & Trap T	EA	1	0%	1	2.250	\$ 32.00	\$ 72.00	\$ -	\$ 72.00	\$ 72.00
13			Existing Urinal With Associated Trim, Valves To Be Removed & Capped Piping	EA	1	0%	1	1.850	\$ 32.00	\$ 59.20	\$ -	\$ 59.20	\$ 59.20
14			Existing Water Closet With Associated Trim, Supply Stops, Valves, Tailpiece	EA	1	0%	1	3.250	\$ 32.00	\$ 104.00	\$ -	\$ 104.00	\$ 104.00
15			Existing Water Closet With Associated Trim, Valves To Be Removed & Capped Piping	EA	1	0%	1	3.250	\$ 32.00	\$ 104.00	\$ -	\$ 104.00	\$ 104.00
16			Existing Water Cooler With Associated Trim, Valves To Be Removed & Capped Piping	EA	2	0%	2	3.250	\$ 32.00	\$ 104.00	\$ -	\$ 104.00	\$ 208.00
17			Existing Water Heater To Be Removed	EA	1	0%	1	4.120	\$ 32.00	\$ 131.84	\$ -	\$ 131.84	\$ 131.84
			RELOCATION										
18			Existing Air Compressor System To Be Relocated	EA	1	0%	1	6.450	\$ 32.00	\$ 206.40	\$ -	\$ 206.40	\$ 206.40
												SUBTOTAL	\$ 4,737
PLUMBING													
			COLD WATER PIPE (BELOW GRADE)										
			Type "K" Soft Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Brazed Joint										
19			3/4" Dia Cold Water Pipe	LF	11	10%	12	0.081	\$ 32.00	\$ 2.59	\$ 7.15	\$ 9.74	\$ 118.09
			COLD WATER PIPE FITTINGS										
			ELBOW										
20			3/4" Dia Cold Water Pipe 90 Deg Elbow	EA	2	0%	2	0.316	\$ 32.00	\$ 10.10	\$ 5.40	\$ 15.50	\$ 31.01
			COLD WATER PIPE (ABOVE GRADE)										

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DETAILED BREAKDOWN OF ITEMS

Prepared for: Station 201 Addition & Renovation, Bargersville Community Fire Department, Bargersville, IN 46106
 Project ID: 15062026
 Scope: Plumbing



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
			Type "L" Hard Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Soldered Joint										
21			1/2" Dia Cold Water Pipe	LF	501	10%	551	0.074	\$ 32.00	\$ 2.38	\$ 3.69	\$ 6.07	\$ 3,344.51
22			3/4" Dia Cold Water Pipe	LF	214	10%	235	0.079	\$ 32.00	\$ 2.52	\$ 5.40	\$ 7.92	\$ 1,860.10
23			1" Dia Cold Water Pipe	LF	90	10%	99	0.089	\$ 32.00	\$ 2.83	\$ 7.80	\$ 10.63	\$ 1,050.81
24			1-1/2" Dia Cold Water Pipe	LF	152	10%	167	0.116	\$ 32.00	\$ 3.70	\$ 13.75	\$ 17.45	\$ 2,919.27
			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										
25			1/2" Dia Cold Water Pipe	LF	501	10%	551	0.020	\$ 32.00	\$ 0.64	\$ 2.10	\$ 2.74	\$ 1,510.71
26			3/4" Dia Cold Water Pipe	LF	214	10%	235	0.022	\$ 32.00	\$ 0.70	\$ 2.45	\$ 3.15	\$ 740.75
27			1" Dia Cold Water Pipe	LF	90	10%	99	0.025	\$ 32.00	\$ 0.80	\$ 2.68	\$ 3.48	\$ 343.95
28			1-1/2" Dia Cold Water Pipe	LF	152	10%	167	0.030	\$ 32.00	\$ 0.96	\$ 3.05	\$ 4.01	\$ 671.00
			COLD WATER PIPE FITTINGS										
			ELBOW										
29			1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	122	0%	122	0.300	\$ 32.00	\$ 9.60	\$ 2.49	\$ 12.09	\$ 1,474.98
30			3/4" Dia Cold Water Pipe 90 Deg Elbow	EA	25	0%	25	0.316	\$ 32.00	\$ 10.10	\$ 5.40	\$ 15.50	\$ 387.60
31			1" Dia Cold Water Pipe 90 Deg Elbow	EA	3	0%	3	0.375	\$ 32.00	\$ 12.00	\$ 13.45	\$ 25.45	\$ 76.35
32			1-1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	1	0%	1	0.461	\$ 32.00	\$ 14.76	\$ 31.00	\$ 45.76	\$ 45.76
			TEE										
33			1/2" Dia Cold Water Pipe Tee	EA	4	0%	4	0.461	\$ 32.00	\$ 14.76	\$ 4.12	\$ 18.88	\$ 75.52
34			3/4" Dia Cold Water Pipe Tee	EA	1	0%	1	0.500	\$ 32.00	\$ 16.01	\$ 14.25	\$ 30.26	\$ 30.26
35			3/4" / 1/2" Dia Cold Water Pipe Tee	EA	2	0%	2	0.500	\$ 32.00	\$ 16.01	\$ 14.25	\$ 30.26	\$ 60.52
36			1" / 1/2" Dia Cold Water Pipe Tee	EA	17	0%	17	0.600	\$ 32.00	\$ 19.20	\$ 26.00	\$ 45.20	\$ 768.40
37			1" / 3/4" Dia Cold Water Pipe Tee	EA	3	0%	3	0.600	\$ 32.00	\$ 19.20	\$ 26.00	\$ 45.20	\$ 135.60
38			1-1/2" / 1/2" Dia Cold Water Pipe Tee	EA	2	0%	2	0.750	\$ 32.00	\$ 24.00	\$ 63.00	\$ 87.00	\$ 174.00
39			1-1/2" / 3/4" Dia Cold Water Pipe Tee	EA	3	0%	3	0.750	\$ 32.00	\$ 24.00	\$ 63.00	\$ 87.00	\$ 261.00
40			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
			REDUCER										
41			3/4" / 1/2" Dia Cold Water Pipe Reducer	EA	4	0%	4	0.500	\$ 32.00	\$ 16.01	\$ 20.00	\$ 36.01	\$ 144.03
42			1" / 1/2" Dia Cold Water Pipe Reducer	EA	2	0%	2	0.600	\$ 32.00	\$ 19.20	\$ 34.00	\$ 53.20	\$ 106.40
43			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
			HOT WATER PIPE (BELOW GRADE)										
			Type "K" Soft Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Brazed Joint										
44			3/4" Dia Hot Water Pipe	LF	11	10%	12	0.081	\$ 32.00	\$ 2.59	\$ 7.15	\$ 9.74	\$ 118.31
			HOT WATER PIPE FITTINGS										
			ELBOW										
45			3/4" Dia Hot Water Pipe 90 Deg Elbow	EA	2	0%	2	0.316	\$ 32.00	\$ 10.10	\$ 5.40	\$ 15.50	\$ 31.01
			HOT WATER PIPE (ABOVE GRADE)										
			Type "L" Hard Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Soldered Joint										
46			1/2" Dia Hot Water Pipe	LF	277	10%	305	0.074	\$ 32.00	\$ 2.38	\$ 3.69	\$ 6.07	\$ 1,847.91
47			3/4" Dia Hot Water Pipe	LF	49	10%	54	0.079	\$ 32.00	\$ 2.52	\$ 5.40	\$ 7.92	\$ 424.10
48			1" Dia Hot Water Pipe	LF	151	10%	167	0.089	\$ 32.00	\$ 2.83	\$ 7.80	\$ 10.63	\$ 1,771.24
49			1-1/2" Dia Hot Water Pipe	LF	150	10%	165	0.116	\$ 32.00	\$ 3.70	\$ 13.75	\$ 17.45	\$ 2,876.86
			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										
50			1/2" Dia Hot Water Pipe	LF	277	10%	305	0.020	\$ 32.00	\$ 0.64	\$ 2.10	\$ 2.74	\$ 834.70
51			3/4" Dia Hot Water Pipe	LF	49	10%	54	0.022	\$ 32.00	\$ 0.70	\$ 2.45	\$ 3.15	\$ 168.89

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DETAILED BREAKDOWN OF ITEMS

Prepared for: Station 201 Addition & Renovation, Bargersville Community Fire Department, Bargersville, IN 46106
 Project ID: 15062026
 Scope: Plumbing



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
52			1" Dia Hot Water Pipe	LF	151	10%	167	0.025	\$ 32.00	\$ 0.80	\$ 2.68	\$ 3.48	\$ 579.75
53			1-1/2" Dia Hot Water Pipe	LF	150	10%	165	0.030	\$ 32.00	\$ 0.96	\$ 3.05	\$ 4.01	\$ 661.25
			HOT WATER PIPE FITTINGS										
			ELBOW										
54			1/2" Dia Hot Water Pipe 90 Deg Elbow	EA	70	0%	70	0.300	\$ 32.00	\$ 9.60	\$ 2.49	\$ 12.09	\$ 846.30
55			3/4" Dia Hot Water Pipe 90 Deg Elbow	EA	6	0%	6	0.316	\$ 32.00	\$ 10.10	\$ 5.40	\$ 15.50	\$ 93.02
56			1" Dia Hot Water Pipe 90 Deg Elbow	EA	6	0%	6	0.375	\$ 32.00	\$ 12.00	\$ 13.45	\$ 25.45	\$ 152.70
			TEE										
57			1/2" Dia Hot Water Pipe Tee	EA	1	0%	1	0.461	\$ 32.00	\$ 14.76	\$ 4.12	\$ 18.88	\$ 18.88
58			3/4" Dia Hot Water Pipe Tee	EA	2	0%	2	0.500	\$ 32.00	\$ 16.01	\$ 14.25	\$ 30.26	\$ 60.52
59			3/4" / 1/2" Dia Hot Water Pipe Tee	EA	2	0%	2	0.500	\$ 32.00	\$ 16.01	\$ 14.25	\$ 30.26	\$ 60.52
60			1" / 1/2" Dia Hot Water Pipe Tee	EA	11	0%	11	0.600	\$ 32.00	\$ 19.20	\$ 26.00	\$ 45.20	\$ 497.20
61			1" / 3/4" Dia Hot Water Pipe Tee	EA	1	0%	1	0.600	\$ 32.00	\$ 19.20	\$ 26.00	\$ 45.20	\$ 45.20
62			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
63			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										
64			3/4" / 1/2" Dia Hot Water Pipe Reducer	EA	2	0%	2	0.500	\$ 32.00	\$ 16.01	\$ 20.00	\$ 36.01	\$ 72.02
65			1" / 3/4" Dia Hot Water Pipe Reducer	EA	1	0%	1	0.600	\$ 32.00	\$ 19.20	\$ 34.00	\$ 53.20	\$ 53.20
			HOT WATER RETURN PIPE (BELOW GRADE)										
			Type "K" Soft Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Brazed Joint										
66			3/4" Dia Hot Water Return Pipe	LF	11	10%	12	0.081	\$ 32.00	\$ 2.59	\$ 7.15	\$ 9.74	\$ 116.59
			HOT WATER RETURN PIPE FITTINGS										
			ELBOW										
67			3/4" Dia Hot Water Return Pipe 90 Deg Elbow	EA	2	0%	2	0.316	\$ 32.00	\$ 10.10	\$ 5.40	\$ 15.50	\$ 31.01
			HOT WATER RETURN PIPE (ABOVE GRADE)										
			Type "L" Hard Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Soldered Joint										
68			3/4" Dia Hot Water Return Pipe	LF	300	10%	330	0.500	\$ 32.00	\$ 16.01	\$ 20.00	\$ 36.01	\$ 11,870.76
			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										
69			3/4" Dia Hot Water Return Pipe	LF	300	10%	330	0.022	\$ 32.00	\$ 0.70	\$ 2.45	\$ 3.15	\$ 1,039.78
			HOT WATER RETURN PIPE FITTINGS										
			ELBOW										
70			3/4" Dia Hot Water Return Pipe 90 Deg Elbow	EA	16	0%	16	0.316	\$ 32.00	\$ 10.10	\$ 5.40	\$ 15.50	\$ 248.06
			TEE										
71			3/4" Dia Hot Water Return Pipe Tee	EA	5	0%	5	0.500	\$ 32.00	\$ 16.01	\$ 14.25	\$ 30.26	\$ 151.29
			COMPRESSED AIR PIPE (ABOVE GRADE)										
			Schedule 40 Black Steel Pipe With Wrought Steel Fittings And Welded Joint										
72			3/4" Dia Compressed Air Pipe	LF	68	10%	75	0.098	\$ 32.00	\$ 3.14	\$ 7.40	\$ 10.54	\$ 788.92
			COMPRESSED AIR PIPE FITTINGS										
			ELBOW										
73			3/4" Dia Compressed Air Pipe 90 Deg Elbow	EA	12	0%	12	0.428	\$ 32.00	\$ 13.70	\$ 4.97	\$ 18.67	\$ 224.09
			TEE										
74			3/4" Dia Compressed Air Pipe Tee	EA	2	0%	2	0.667	\$ 32.00	\$ 21.34	\$ 17.00	\$ 38.34	\$ 76.67
			WASTE PIPE (BELOW GRADE)										
			Schedule 40 Solid Wall PVC Pipe With PVC Pipe Fittings And Solvent Cement joint										
75			2" Dia Waste Pipe	LF	91	10%	100	0.183	\$ 32.00	\$ 5.85	\$ 3.58	\$ 9.43	\$ 947.03
76			3" Dia Waste Pipe	LF	33	10%	36	0.204	\$ 32.00	\$ 6.52	\$ 5.36	\$ 11.89	\$ 426.01

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DETAILED BREAKDOWN OF ITEMS

Prepared for: Station 201 Addition & Renovation, Bargersville Community Fire Department, Bargersville, IN 46106
 Project ID: 15062026
 Scope: Plumbing



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
77	PD101, PDF01, PF101, PP101, PR101, P501		4" Dia Waste Pipe	LF	346	10%	381	0.225	\$ 32.00	\$ 7.19	\$ 7.15	\$ 14.34	\$ 5,463.16
			WASTE PIPE FITTINGS										
			ELBOW										
78			2" Dia Waste Pipe 45 Deg Bend	EA	9	0%	9	0.396	\$ 32.00	\$ 12.67	\$ 3.08	\$ 15.75	\$ 141.77
79			3" Dia Waste Pipe 45 Deg Bend	EA	2	0%	2	0.629	\$ 32.00	\$ 20.13	\$ 12.20	\$ 32.33	\$ 64.66
80			4" Dia Waste Pipe 45 Deg Bend	EA	18	0%	18	0.791	\$ 32.00	\$ 25.32	\$ 22.50	\$ 47.82	\$ 860.67
			WYE										
81			4" Dia Waste Pipe Wye	EA	17	0%	17	0.992	\$ 32.00	\$ 31.73	\$ 30.38	\$ 62.10	\$ 1,055.75
82			4"/2" Dia Waste Pipe Wye	EA	17	0%	17	0.980	\$ 32.00	\$ 31.36	\$ 31.40	\$ 62.76	\$ 1,066.92
83			4"/3" Dia Waste Pipe Wye	EA	1	0%	1	1.000	\$ 32.00	\$ 32.00	\$ 32.45	\$ 64.45	\$ 64.45
			WASTE PIPE (ABOVE GRADE)										
			Hubless Cast Iron Soil Pipe With Fittings And Heavy Duty Hubless Coupling And Coupled Joint										
84			2" Dia Waste Pipe	LF	103	10%	114	0.179	\$ 32.00	\$ 5.74	\$ 11.25	\$ 16.99	\$ 1,928.06
			WASTE PIPE FITTINGS										
			ELBOW										
85			2" Dia Waste Pipe 90 Deg Elbow	EA	20	0%	20	0.750	\$ 32.00	\$ 24.00	\$ 65.00	\$ 89.00	\$ 1,780.00
			WYE										
86			4"/2" Dia Waste Pipe Wye	EA	4	0%	4	1.500	\$ 32.00	\$ 48.00	\$ 118.00	\$ 166.00	\$ 664.00
			REDUCER										
87			4"/2" Dia Waste Pipe Reducer	EA	6	0%	6	1.250	\$ 32.00	\$ 40.00	\$ 87.00	\$ 127.00	\$ 762.00
			GREASE WASTE PIPE (BELOW GRADE)										
			Schedule 40 Solid Wall PVC Pipe With PVC Pipe Fittings And Solvent Cement joint										
88			2" Dia Grease Waste Pipe	LF	4	10%	4	0.183	\$ 32.00	\$ 5.85	\$ 2.07	\$ 7.92	\$ 33.56
89			3" Dia Grease Waste Pipe	LF	62	10%	68	0.204	\$ 32.00	\$ 6.52	\$ 5.36	\$ 11.89	\$ 811.36
90			4" Dia Grease Waste Pipe	LF	64	10%	70	0.225	\$ 32.00	\$ 7.19	\$ 7.15	\$ 14.34	\$ 1,010.20
			GREASE WASTE PIPE FITTINGS										
			ELBOW										
91			3" Dia Grease Pipe 45 Deg Bend	EA	3	0%	3	0.524	\$ 32.00	\$ 16.78	\$ 16.24	\$ 33.02	\$ 99.06
92			4" Dia Grease Pipe 45 Deg Bend	EA	3	0%	3	0.659	\$ 32.00	\$ 21.10	\$ 29.64	\$ 50.74	\$ 152.21
			WYE										
93			4" Dia Grease Pipe Wye	EA	2	0%	2	0.992	\$ 32.00	\$ 31.73	\$ 30.38	\$ 62.10	\$ 124.21
94			3" Dia Grease Pipe Wye	EA	3	0%	3	0.790	\$ 32.00	\$ 25.27	\$ 16.47	\$ 41.74	\$ 125.23
95			4"/3" Dia Grease Pipe Wye	EA	1	0%	1	0.992	\$ 32.00	\$ 31.73	\$ 30.38	\$ 62.10	\$ 62.10
			REDUCER										
96			4"/3" Dia Grease Pipe Reducer	EA	2	0%	2	0.600	\$ 32.00	\$ 19.20	\$ 10.35	\$ 29.55	\$ 59.10
			GREASE WASTE PIPE (ABOVE GRADE)										
			Hubless Cast Iron Soil Pipe With Fittings And Heavy Duty Hubless Coupling And Coupled Joint										
97			2" Dia Grease Pipe	LF	10	10%	11	0.179	\$ 32.00	\$ 5.74	\$ 15.50	\$ 21.24	\$ 233.60
			GREASE WASTE PIPE FITTINGS										
			ELBOW										
98			2" Dia Grease Pipe 45 Deg Bend	EA	3	0%	3	1.125	\$ 32.00	\$ 36.00	\$ 72.00	\$ 108.00	\$ 324.00
			WYE										
99			2"/3" Dia Grease Pipe Wye	EA	1	0%	1	1.200	\$ 32.00	\$ 38.40	\$ 59.00	\$ 97.40	\$ 97.40
			VENT PIPE (ABOVE GRADE)										
			Hubless Cast Iron Soil Pipe With Fittings And Heavy Duty Hubless Coupling And Coupled Joint										
100			1-1/2" Dia Vent Pipe	LF	14	10%	16	0.169	\$ 32.00	\$ 5.40	\$ 10.75	\$ 16.15	\$ 251.02
101			2" Dia Vent Pipe	LF	284	10%	312	0.179	\$ 32.00	\$ 5.74	\$ 11.25	\$ 16.99	\$ 5,303.81
102			3" Dia Vent Pipe	LF	24	10%	27	0.188	\$ 32.00	\$ 6.00	\$ 20.00	\$ 26.00	\$ 691.83
			VENT PIPE FITTINGS										

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DETAILED BREAKDOWN OF ITEMS

Prepared for: Station 201 Addition & Renovation, Bargersville Community Fire Department, Bargersville, IN 46106
 Project ID: 15062026
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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										
103			1-1/2" Dia Vent Pipe 90 Deg Elbow	EA	1	0%	1	0.950	\$ 32.00	\$ 30.40	\$ 48.15	\$ 78.55	\$ 78.55
104			2" Dia Vent Pipe 90 Deg Elbow	EA	18	0%	18	0.750	\$ 32.00	\$ 24.00	\$ 65.00	\$ 89.00	\$ 1,602.00
			TEE										
105			2" Dia Vent Pipe Tee	EA	7	0%	7	1.200	\$ 32.00	\$ 38.40	\$ 59.00	\$ 97.40	\$ 681.80
106			2"/1-1/2" Dia Vent Pipe Tee	EA	1	0%	1	1.200	\$ 32.00	\$ 38.40	\$ 59.00	\$ 97.40	\$ 97.40
			REDUCER										
107			3"/2" Dia Vent Pipe Reducer	EA	6	0%	6	1.334	\$ 32.00	\$ 42.67	\$ 96.50	\$ 139.17	\$ 835.03
			STORM DRAIN PIPE (BELOW GRADE)										
			Schedule 40 Solid Wall PVC Pipe With Socket Fittings And Solvent Cement Joint										
108			3" Dia Storm Drain Pipe	LF	7	10%	8	0.204	\$ 32.00	\$ 6.52	\$ 5.73	\$ 12.25	\$ 93.41
109			4" Dia Storm Drain Pipe	LF	4	10%	5	0.225	\$ 32.00	\$ 7.19	\$ 7.64	\$ 14.83	\$ 72.61
110			6" Dia Storm Drain Pipe	LF	16	10%	18	0.277	\$ 32.00	\$ 8.86	\$ 10.73	\$ 19.58	\$ 343.82
			STORM DRAIN PIPE FITTINGS										
			ELBOW										
111			3" Dia Storm Drain Pipe 45 Deg Elbow	EA	2	0%	2	0.524	\$ 32.00	\$ 16.78	\$ 16.24	\$ 33.02	\$ 66.04
112			4" Dia Storm Drain Pipe 45 Deg Elbow	EA	1	0%	1	0.659	\$ 32.00	\$ 21.10	\$ 29.64	\$ 50.74	\$ 50.74
113			6" Dia Storm Drain Pipe 45 Deg Elbow	EA	2	0%	2	1.297	\$ 32.00	\$ 41.50	\$ 82.50	\$ 124.00	\$ 248.00
			REDUCER										
114			3"/4" Dia Storm Drain Pipe Reducer	EA	2	0%	2	0.450	\$ 32.00	\$ 14.40	\$ 7.36	\$ 21.76	\$ 43.52
			STORM DRAIN PIPE (ABOVE GRADE)										
			Schedule 40 Solid Wall PVC Pipe With Socket Fittings And Solvent Cement Joint										
115			3" Dia Storm Drain Pipe	LF	11	10%	12	0.204	\$ 32.00	\$ 6.52	\$ 5.73	\$ 12.25	\$ 144.35
116			4" Dia Storm Drain Pipe	LF	12	10%	13	0.225	\$ 32.00	\$ 7.19	\$ 7.64	\$ 14.83	\$ 196.45
			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										
117			3" Dia Storm Drain Pipe	LF	11	10%	12	0.049	\$ 32.00	\$ 1.55	\$ 4.25	\$ 5.80	\$ 68.35
118			4" Dia Storm Drain Pipe	LF	12	10%	13	0.069	\$ 32.00	\$ 2.19	\$ 6.55	\$ 8.74	\$ 115.78
			STORM DRAIN PIPE FITTINGS										
			ELBOW										
119			4" Dia Storm Drain Pipe 90 Deg Bend	EA	1	0%	1	0.659	\$ 32.00	\$ 21.10	\$ 22.80	\$ 43.90	\$ 43.90
			WYE										
120			4" Dia Storm Drain Pipe Wye	EA	2	0%	2	0.992	\$ 32.00	\$ 31.73	\$ 30.38	\$ 62.10	\$ 124.21
121			4"/3" Dia Storm Drain Pipe Wye	EA	1	0%	1	0.992	\$ 32.00	\$ 31.73	\$ 30.38	\$ 62.10	\$ 62.10
			GAS PIPE (ABOVE GRADE)										
			Schedule 40 Black Steel Pipe "ASTM A53/ A53M" With Malleable Iron Fitting ASME B16.3, Class 150, Standard Pattern										
122			3/4" Dia Gas Pipe	LF	168	10%	184	0.098	\$ 32.00	\$ 3.14	\$ 7.40	\$ 10.54	\$ 1,944.01
			GAS PIPE FITTINGS										
			ELBOW										
123			3/4" Dia Gas Pipe 90 Deg Elbow	EA	5	0%	5	0.428	\$ 32.00	\$ 13.70	\$ 4.97	\$ 18.67	\$ 93.37
			TEE										
124			3/4" Dia Gas Pipe Tee	EA	1	0%	1	0.667	\$ 32.00	\$ 21.34	\$ 17.00	\$ 38.34	\$ 38.34
			PLUMBING FIXTURES										
125			WC-1: Tank-Type Floor-Mounted, Floor Outlet, Close Coupled, Vitreous Ch	EA	11	0%	11	4.309	\$ 32.00	\$ 137.88	\$ 321.11	\$ 458.99	\$ 5,048.86
126			L-1: Vitreous China, Wall-Mounted, With Back, AMERICAN STANDARD #035	EA	8	0%	8	3.550	\$ 32.00	\$ 113.60	\$ 361.43	\$ 475.03	\$ 3,800.24
127			L-2: Two Handle Center set Bathroom Faucet With Grid Strainer In Chrome,	EA	7	0%	7	2.050	\$ 32.00	\$ 65.60	\$ 264.78	\$ 330.38	\$ 2,312.66

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DETAILED BREAKDOWN OF ITEMS

Prepared for: Station 201 Addition & Renovation, Bargersville Community Fire Department, Bargersville, IN 46106
 Project ID: 15062026
 Scope: Plumbing



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
128			SH-1: Tub/Shower Head And Thermostatic Mixing Valve Control, CHICAGO	EA	3	0%	3	7.660	\$ 32.00	\$ 245.12	\$ 1,723.50	\$ 1,968.62	\$ 5,905.86
129			SK-1: Stainless Steel, One Bowl, Counter Mounted Sink, ELKAY #LRAD2219	EA	2	0%	2	3.890	\$ 32.00	\$ 124.48	\$ 1,023.25	\$ 1,147.73	\$ 2,295.46
130			SK-2: Stainless Steel, One Bowl, Counter Mounted Sink, ELKAY #LR2219,	EA	1	0%	1	3.890	\$ 32.00	\$ 124.48	\$ 864.14	\$ 988.62	\$ 988.62
131			EWC-1: Electric Water Cooler With Sensor-Operated Bottle Filler, Stainles	EA	1	0%	1	4.850	\$ 32.00	\$ 155.20	\$ 2,207.11	\$ 2,362.31	\$ 2,362.31
132			EWC-2: Electric Water Cooler With Sensor-Operated Bottle Filler, Stainles	EA	1	0%	1	4.850	\$ 32.00	\$ 155.20	\$ 2,207.11	\$ 2,362.31	\$ 2,362.31
133			WMB-1: Clothes Washer Outlet Box, ACORN #8185	EA	1	0%	1	2.250	\$ 32.00	\$ 72.00	\$ 1,190.45	\$ 1,262.45	\$ 1,262.45
134			IMB-1: Ice Maker Outlet Box, GUY GRAY #SSIB2AB	EA	2	0%	2	2.250	\$ 32.00	\$ 72.00	\$ 833.43	\$ 905.43	\$ 1,810.86
135			3/4" Dia NFWH-1: Nonfreezing Wall Hydrant With Recessed Box, ZURN #Z132	EA	4	0%	4	2.873	\$ 32.00	\$ 91.92	\$ 574.50	\$ 666.42	\$ 2,665.68
136			3/4" Dia RH-1: Non-Freeze Sanitary Roof Hydrant, Self-Contained, J.R. SMITH	EA	1	0%	1	3.250	\$ 32.00	\$ 104.00	\$ 1,117.90	\$ 1,221.90	\$ 1,221.90
			WATER HEATER										
137			GWH-1: Tankless Water Heater, NAVIEN #NPE-240A	EA	1	0%	1	5.850	\$ 32.00	\$ 187.20	\$ 1,895.00	\$ 2,082.20	\$ 2,082.20
138			GWH-2: Tankless Water Heater, NAVIEN #NPE-240A	EA	1	0%	1	5.850	\$ 32.00	\$ 187.20	\$ 1,895.00	\$ 2,082.20	\$ 2,082.20
139			GWH-3: Tankless Water Heater, NAVIEN #NPE-240A	EA	1	0%	1	5.850	\$ 32.00	\$ 187.20	\$ 1,895.00	\$ 2,082.20	\$ 2,082.20
			PUMP										
140			HWCP-1: 120° Domestic Hot Water Circulation Pump, BELL AND GOSSETT S	EA	1	0%	1	6.250	\$ 32.00	\$ 200.00	\$ 2,544.95	\$ 2,744.95	\$ 2,744.95
			PUMP DETAIL										
141			1/2" Dia Shutoff Valve, NIBCO INC., Two-Piece Bronze Ball Valve With Full Po	EA	2	0%	2	0.450	\$ 32.00	\$ 14.40	\$ 45.55	\$ 59.95	\$ 119.90
142			3/4" Dia Shutoff Valve, NIBCO INC., Two-Piece Bronze Ball Valve With Full Po	EA	2	0%	2	0.550	\$ 32.00	\$ 17.60	\$ 55.55	\$ 73.15	\$ 146.30
143			3/4" Dia Check Valve, NIBCO INC., Class 125, Bronze, Swing Check Valve Wit	EA	1	0%	1	0.550	\$ 32.00	\$ 17.60	\$ 55.55	\$ 73.15	\$ 73.15
144			1/2" Dia Dielectric Union	EA	2	0%	2	0.250	\$ 32.00	\$ 8.00	\$ 25.50	\$ 33.50	\$ 67.00
145			3/4" Dia Circuit Setter	EA	1	0%	1	0.890	\$ 32.00	\$ 28.48	\$ 134.95	\$ 163.43	\$ 163.43
146			1/2" Dia Vibration Isolating Spring Hanger	EA	2	0%	2	0.280	\$ 32.00	\$ 8.96	\$ 31.50	\$ 40.46	\$ 80.92
147		Thickness Assumed	3/8" Thick Threaded Rod	EA	2	0%	2	0.150	\$ 32.00	\$ 4.80	\$ 14.94	\$ 19.74	\$ 39.48
148			Thermometer	EA	1	0%	1	0.550	\$ 32.00	\$ 17.60	\$ 138.03	\$ 155.63	\$ 155.63
149			Pressure Gauge And Gauge Cock	EA	2	0%	2	0.358	\$ 32.00	\$ 11.46	\$ 50.52	\$ 61.98	\$ 123.95
150			Aqusat4 To Operate Hot Water Circulation Pump Furnished And Installed By Plu	EA	1	0%	1	1.050	\$ 32.00	\$ 33.60	\$ 157.60	\$ 191.20	\$ 191.20
			HOT WATER BALANCING VALVE STATION DETAILS										
151			3/4" Dia Ball Valve, NIBCO INC., Two-Piece Bronze Ball Valve With Full Port,	EA	6	0%	6	0.550	\$ 32.00	\$ 17.60	\$ 45.00	\$ 62.60	\$ 375.60
152			3/4" Dia Swing Type Check Valve, NIBCO INC., Class 125, Bronze, Swing Chec	EA	3	0%	3	0.550	\$ 32.00	\$ 17.60	\$ 55.55	\$ 73.15	\$ 219.45
153			3/4" Dia Calibrated Balancing Valve	EA	3	0%	3	0.890	\$ 32.00	\$ 28.48	\$ 134.95	\$ 163.43	\$ 490.29
			MISCELLANEOUS										
154			3/4" Dia Union	EA	3	0%	3	0.226	\$ 32.00	\$ 7.23	\$ 28.92	\$ 36.15	\$ 108.45
155			3/4" Dia Gas Regulator (2 PSI To 10" WC)	EA	3	0%	3	1.136	\$ 32.00	\$ 36.36	\$ 145.43	\$ 181.79	\$ 545.36
156			Dirt Leg	EA	3	0%	3	0.477	\$ 32.00	\$ 15.25	\$ 61.00	\$ 76.25	\$ 228.75
157			GI-1: Grease Interceptor 65 Gallon, SCHIER PRODUCTS GB-50	EA	1	0%	1	5.450	\$ 32.00	\$ 174.40	\$ 2,067.00	\$ 2,241.40	\$ 2,241.40
			CLEANOUTS & DRAINS										
158			3" Dia RD-1: J.R. SMITH #1015Y-CL-R-CID, Duco Cast Iron Body With Under	EA	1	0%	1	2.294	\$ 32.00	\$ 73.42	\$ 293.69	\$ 367.11	\$ 367.11
159			4" Dia RD-2: J.R. SMITH #1015Y-CL-R-CID, Duco Cast Iron Body With Under	EA	1	0%	1	2.441	\$ 32.00	\$ 78.12	\$ 312.49	\$ 390.61	\$ 390.61
160			6" Dia RD-3: Jay R. Smith Mfg. Co. #1510, Duco cast iron body, flashing clamp,	EA	1	0%	1	2.604	\$ 32.00	\$ 83.33	\$ 333.32	\$ 416.65	\$ 416.65
161			3" Dia OFD-1: J.R. SMITH #1045Y-CL-R-CIDDuco Cast Iron Body With Under	EA	1	0%	1	1.828	\$ 32.00	\$ 58.50	\$ 234.00	\$ 292.50	\$ 292.50
162			4" Dia OFD-2: J.R. SMITH #1045Y-CL-R-CIDDuco Cast Iron Body With Under	EA	1	0%	1	2.968	\$ 32.00	\$ 94.99	\$ 379.94	\$ 474.93	\$ 474.93
163			6" Dia OFD-3: J.R. SMITH #1045Y-CL-R-CIDDuco Cast Iron Body With Under	EA	1	0%	1	4.641	\$ 32.00	\$ 148.50	\$ 594.00	\$ 742.50	\$ 742.50
164			SD-1: J.R. SMITH #2005-A05-PB, Duco Cast Iron Body With Flashing Collar, A	EA	2	0%	2	1.295	\$ 32.00	\$ 41.45	\$ 165.81	\$ 207.26	\$ 414.53
165			TD-1: DURA TRENCH DTPF8-10B24CI-HDBP15ZSA-GLWCB8-NSR-4B, Pre	EA	2	0%	2	4.120	\$ 32.00	\$ 131.84	\$ 1,236.96	\$ 1,368.80	\$ 2,737.60
166			2" FD-1: J.R. SMITH #2005YA-U-PB, Duco Cast Iron Body With Flashing Colla	EA	10	0%	10	2.439	\$ 32.00	\$ 78.04	\$ 312.17	\$ 390.21	\$ 3,902.13

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DETAILED BREAKDOWN OF ITEMS

Prepared for: Station 201 Addition & Renovation, Bargersville Community Fire Department, Bargersville, IN 46106
 Project ID: 15062026
 Scope: Plumbing



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
167			2" FD-3: J.R. SMITH #2005YA-U-PB, Duco Cast Iron Body With Flashing Colla	EA	1	0%	1	2.439	\$ 32.00	\$ 78.04	\$ 312.17	\$ 390.21	\$ 390.21
168			3" Floor Cleanout	EA	1	0%	1	1.628	\$ 32.00	\$ 52.08	\$ 208.32	\$ 260.40	\$ 260.40
169			4" Floor Cleanout	EA	8	0%	8	2.487	\$ 32.00	\$ 79.58	\$ 318.31	\$ 397.89	\$ 3,183.10
			VALVES										
170			3/4" Dia Gas Valve	EA	2	0%	2	0.450	\$ 32.00	\$ 14.40	\$ 35.00	\$ 49.40	\$ 98.80
171			3/4" Dia Plug Valve	EA	3	0%	3	0.485	\$ 32.00	\$ 15.52	\$ 40.00	\$ 55.52	\$ 166.56
172			1-1/2" Dia TMV-1: Temperature-Actuated, Water Mixing Valve, SYMMONS	EA	1	0%	1	3.150	\$ 32.00	\$ 100.80	\$ 1,531.25	\$ 1,632.05	\$ 1,632.05
173			1/2" Dia Ball Valve, NIBCO INC., Two-Piece Bronze Ball Valve With Full Port,	EA	43	0%	43	0.320	\$ 32.00	\$ 10.24	\$ 38.00	\$ 48.24	\$ 2,074.32
174			3/4" Dia Ball Valve, NIBCO INC., Two-Piece Bronze Ball Valve With Full Port,	EA	10	0%	10	0.550	\$ 32.00	\$ 17.60	\$ 45.00	\$ 62.60	\$ 626.00
175			3/4" Dia Balancing Valve Station	EA	3	0%	3	1.250	\$ 32.00	\$ 40.00	\$ 175.69	\$ 215.69	\$ 647.07
			PVC COUPLING										
176			2" Dia	EA	10	0%	10						
177			3" Dia	EA	11	0%	11						
178			4" Dia	EA	43	0%	43						
179			6" Dia	EA	2	0%	2						
			NO-HUB COUPLING										
180			1-1/2" Dia	EA	3	0%	3						
181			2" Dia	EA	123	0%	123						
182			3" Dia	EA	7	0%	7						
183			4" Dia	EA	14	0%	14						
			PIPE SUPPORT										
184			1/2" Dia Adjustable Clevis Hanger	EA	130	0%	130						
185			3/4" Dia Adjustable Clevis Hanger	EA	133	0%	133						
186			1" Dia Adjustable Clevis Hanger	EA	40	0%	40						
187			1-1/2" Dia Adjustable Clevis Hanger	EA	53	0%	53						
188			2" Dia Adjustable Clevis Hanger	EA	40	0%	40						
189			3" Dia Adjustable Clevis Hanger	EA	3	0%	3						
190			4" Dia Adjustable Clevis Hanger	EA	1	0%	1						
191			3/8" Dia Threaded Rod (1 Ea. = 1 FT)	EA	356	0%	356	0.045	\$ 32.00	\$ 1.44	\$ 2.26	\$ 3.70	\$ 1,315.44
192			1/2" Dia Threaded Rod (1 Ea. = 1 FT)	EA	44	0%	44	0.065	\$ 32.00	\$ 2.08	\$ 4.59	\$ 6.67	\$ 296.14
			TRENCHING & BACKFILLING										
193			Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Ma	CFT	1980	0%	1980	0.055	\$ 32.00	\$ 1.76	\$ -	\$ 1.76	\$ 3,484.80
												SUBTOTAL	\$ 144,509
												PROJECTED COST	\$164,246
OVERHEAD AND PROFIT												25%	\$41,061
INSURANCE												3%	\$4,927
CONTINGENCY												5%	\$8,212
TAX												7%	\$7,129
SUGGESTED BID													\$225,576

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MATERIAL LIST

Prepared for: Station 201 Addition & Renovation, Bargersville Community Fire Department, Bargersville, IN 46106
 Project ID: 15062026
 Scope: Plumbing



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 Soldered Joint Fittings And Brazed Joint					
8			3/4" Dia Cold Water Pipe	EA	1
COLD WATER PIPE FITTINGS					
ELBOW					
9			3/4" Dia Cold Water Pipe 90 Deg Elbow	EA	2
COLD WATER PIPE (ABOVE GRADE)					
Type "L" Hard Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Soldered Joint					
10			1/2" Dia Cold Water Pipe	EA	50
11			3/4" Dia Cold Water Pipe	EA	21
12			1" Dia Cold Water Pipe	EA	9
13			1-1/2" Dia Cold Water Pipe	EA	15
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					
14			1/2" Dia Cold Water Pipe	EA	50
15			3/4" Dia Cold Water Pipe	EA	21
16			1" Dia Cold Water Pipe	EA	9
17			1-1/2" Dia Cold Water Pipe	EA	15
COLD WATER PIPE FITTINGS					
ELBOW					
18			1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	122
19			3/4" Dia Cold Water Pipe 90 Deg Elbow	EA	25
20			1" Dia Cold Water Pipe 90 Deg Elbow	EA	3
21			1-1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	1
TEE					
22			1/2" Dia Cold Water Pipe Tee	EA	4
23			3/4" Dia Cold Water Pipe Tee	EA	1
24			3/4" / 1/2" Dia Cold Water Pipe Tee	EA	2
25			1" / 1/2" Dia Cold Water Pipe Tee	EA	17
26			1" / 3/4" Dia Cold Water Pipe Tee	EA	3
27			1-1/2" / 1/2" Dia Cold Water Pipe Tee	EA	2
28			1-1/2" / 3/4" Dia Cold Water Pipe Tee	EA	3
29			1-1/2" / 1" Dia Cold Water Pipe Tee	EA	1
REDUCER					
30			3/4" / 1/2" Dia Cold Water Pipe Reducer	EA	4
31			1" / 1/2" Dia Cold Water Pipe Reducer	EA	2
32			1-1/2" / 1" Dia Cold Water Pipe Reducer	EA	1
HOT WATER PIPE (BELOW GRADE)					
Type "K" Soft Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Brazed Joint					
33			3/4" Dia Hot Water Pipe	EA	1
HOT WATER PIPE FITTINGS					
ELBOW					
34			3/4" Dia Hot Water Pipe 90 Deg Elbow	EA	2
HOT WATER PIPE (ABOVE GRADE)					

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MATERIAL LIST

Prepared for: Station 201 Addition & Renovation, Bargersville Community Fire Department, Bargersville, IN 46106
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Date: 23-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
35			Type "L" Hard Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Soldered Joint		10
36			1/2" Dia Hot Water Pipe	EA	28
37			3/4" Dia Hot Water Pipe	EA	5
38			1" Dia Hot Water Pipe	EA	15
39			1-1/2" Dia Hot Water Pipe	EA	15
			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		
40			1/2" Dia Hot Water Pipe	EA	28
41			3/4" Dia Hot Water Pipe	EA	5
42			1" Dia Hot Water Pipe	EA	15
43			1-1/2" Dia Hot Water Pipe	EA	15
			HOT WATER PIPE FITTINGS		
			ELBOW		
44			1/2" Dia Hot Water Pipe 90 Deg Elbow	EA	70
45			3/4" Dia Hot Water Pipe 90 Deg Elbow	EA	6
46			1" Dia Hot Water Pipe 90 Deg Elbow	EA	6
			TEE		
47			1/2" Dia Hot Water Pipe Tee	EA	1
48			3/4" Dia Hot Water Pipe Tee	EA	2
49			3/4" / 1/2" Dia Hot Water Pipe Tee	EA	2
50			1" / 1/2" Dia Hot Water Pipe Tee	EA	11
51			1" / 3/4" Dia Hot Water Pipe Tee	EA	1
52			1-1/2" / 1/2" Dia Hot Water Pipe Tee	EA	1
53			1-1/2" / 3/4" Dia Hot Water Pipe Tee	EA	2
			REDUCER		
54			3/4" / 1/2" Dia Hot Water Pipe Reducer	EA	2
55			1" / 3/4" Dia Hot Water Pipe Reducer	EA	1
			HOT WATER RETURN PIPE (BELOW GRADE)		
			Type "K" Soft Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Brazed Joint		
56			3/4" Dia Hot Water Return Pipe	EA	1
			HOT WATER RETURN PIPE FITTINGS		
			ELBOW		
57			3/4" Dia Hot Water Return Pipe 90 Deg Elbow	EA	2
			HOT WATER RETURN PIPE (ABOVE GRADE)		
			Type "L" Hard Copper Tubing ASTM B88 With Wrought Copper Soldered Joint Fittings And Soldered Joint		
58			3/4" Dia Hot Water Return Pipe	EA	30
			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		
59			3/4" Dia Hot Water Return Pipe	EA	30
			HOT WATER RETURN PIPE FITTINGS		
			ELBOW		
60			3/4" Dia Hot Water Return Pipe 90 Deg Elbow	EA	16
			TEE		
61			3/4" Dia Hot Water Return Pipe Tee	EA	5
			COMPRESSED AIR PIPE (ABOVE GRADE)		
			Schedule 40 Black Steel Pipe With Wrought Steel Fittings And Welded Joint		
62			3/4" Dia Compressed Air Pipe	EA	68
			COMPRESSED AIR PIPE FITTINGS		
			ELBOW		
63			3/4" Dia Compressed Air Pipe 90 Deg Elbow	EA	12
			TEE		
64			3/4" Dia Compressed Air Pipe Tee	EA	2
			WASTE PIPE (BELOW GRADE)		
			Schedule 40 Solid Wall PVC Pipe With PVC Pipe Fittings And Solvent Cement joint		
65			2" Dia Waste Pipe	EA	9
66			3" Dia Waste Pipe	EA	3
67			4" Dia Waste Pipe	EA	35
			WASTE PIPE FITTINGS		
			ELBOW		
68			2" Dia Waste Pipe 45 Deg Bend	EA	9
69			3" Dia Waste Pipe 45 Deg Bend	EA	2
70			4" Dia Waste Pipe 45 Deg Bend	EA	18
			WYE		
71			4" Dia Waste Pipe Wye	EA	17

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MATERIAL LIST

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 Scope: Plumbing



Date: 23-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
72	 PD101, PDF01, PF101, PP101, PR101, P501		4"/2" Dia Waste Pipe Wye	EA	17
73			4"/3" Dia Waste Pipe Wye	EA	1
			WASTE PIPE (ABOVE GRADE)		
			Hubless Cast Iron Soil Pipe With Fittings And Heavy Duty Hubless Coupling And Coupled Joint		
74			2" Dia Waste Pipe	EA	10
			WASTE PIPE FITTINGS		
			ELBOW		
75			2" Dia Waste Pipe 90 Deg Elbow	EA	20
			WYE		
76			4"/2" Dia Waste Pipe Wye	EA	4
			REDUCER		
77			4"/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		
78			2" Dia Grease Waste Pipe	EA	1
79			3" Dia Grease Waste Pipe	EA	6
80			4" Dia Grease Waste Pipe	EA	6
			GREASE WASTE PIPE FITTINGS		
			ELBOW		
81			3" Dia Grease Pipe 45 Deg Bend	EA	3
82			4" Dia Grease Pipe 45 Deg Bend	EA	3
			WYE		
83			4" Dia Grease Pipe Wye	EA	2
84			3" Dia Grease Pipe Wye	EA	3
85			4"/3" Dia Grease Pipe Wye	EA	1
			REDUCER		
86			4"/3" Dia Grease Pipe Reducer	EA	2
			GREASE WASTE PIPE (ABOVE GRADE)		
			Hubless Cast Iron Soil Pipe With Fittings And Heavy Duty Hubless Coupling And Coupled Joint		
87			2" Dia Grease Pipe	EA	1
			GREASE WASTE PIPE FITTINGS		
			ELBOW		
88			2" Dia Grease Pipe 45 Deg Bend	EA	3
			WYE		
89			2"/3" Dia Grease Pipe Wye	EA	1
			VENT PIPE (ABOVE GRADE)		
			Hubless Cast Iron Soil Pipe With Fittings And Heavy Duty Hubless Coupling And Coupled Joint		
90			1-1/2" Dia Vent Pipe	EA	1
91			2" Dia Vent Pipe	EA	28
92			3" Dia Vent Pipe	EA	2
			VENT PIPE FITTINGS		
			ELBOW		
93			1-1/2" Dia Vent Pipe 90 Deg Elbow	EA	1
94			2" Dia Vent Pipe 90 Deg Elbow	EA	18
			TEE		
95			2" Dia Vent Pipe Tee	EA	7
96			2"/1-1/2" Dia Vent Pipe Tee	EA	1
			REDUCER		
97			3"/2" Dia Vent Pipe Reducer	EA	6
			STORM DRAIN PIPE (BELOW GRADE)		
			Schedule 40 Solid Wall PVC Pipe With Socket Fittings And Solvent Cement Joint		
98			3" Dia Storm Drain Pipe	EA	1
99			4" Dia Storm Drain Pipe	EA	1
100			6" Dia Storm Drain Pipe	EA	2
			STORM DRAIN PIPE FITTINGS		
			ELBOW		
101			3" Dia Storm Drain Pipe 45 Deg Elbow	EA	2
102			4" Dia Storm Drain Pipe 45 Deg Elbow	EA	1
103			6" Dia Storm Drain Pipe 45 Deg Elbow	EA	2
			REDUCER		
104			3"/4" Dia Storm Drain Pipe Reducer	EA	2
			STORM DRAIN PIPE (ABOVE GRADE)		
			Schedule 40 Solid Wall PVC Pipe With Socket Fittings And Solvent Cement Joint		
105			3" Dia Storm Drain Pipe	EA	1
106			4" Dia Storm Drain Pipe	EA	1

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			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		
107			3" Dia Storm Drain Pipe	EA	1
108			4" Dia Storm Drain Pipe	EA	1
			STORM DRAIN PIPE FITTINGS		
			ELBOW		
109			4" Dia Storm Drain Pipe 90 Deg Bend	EA	1
			WYE		
110			4" Dia Storm Drain Pipe Wye	EA	2
111			4"/3" Dia Storm Drain Pipe Wye	EA	1
			GAS PIPE (ABOVE GRADE)		
			Schedule 40 Black Steel Pipe "ASTM A53/ A53M" With Malleable Iron Fitting ASME B16.3, Class 150, Standard Pattern		
112			3/4" Dia Gas Pipe	EA	17
			GAS PIPE FITTINGS		
			ELBOW		
113			3/4" Dia Gas Pipe 90 Deg Elbow	EA	5
			TEE		
114			3/4" Dia Gas Pipe Tee	EA	1
			PLUMBING FIXTURES		
115			WC-1: Tank-Type Floor-Mounted, Floor Outlet, Close Coupled, Vitreous Ch	EA	11
116			L-1: Vitreous China, Wall-Mounted, With Back, AMERICAN STANDARD #035	EA	8
117			L-2: Two Handle Center set Bathroom Faucet With Grid Strainer In Chrome,	EA	7
118			SH-1: Tub/Shower Head And Thermostatic Mixing Valve Control, CHICAGO	EA	3
119			SK-1: Stainless Steel, One Bowl, Counter Mounted Sink, ELKAY #LRAD2219	EA	2
120			SK-2: Stainless Steel, One Bowl, Counter Mounted Sink, ELKAY #LR2219, T	EA	1
121			EWC-1: Electric Water Cooler With Sensor-Operated Bottle Filler, Stainless	EA	1
122			EWC-2: Electric Water Cooler With Sensor-Operated Bottle Filler, Stainless	EA	1
123			WMB-1: Clothes Washer Outlet Box, ACORN #8185	EA	1
124			IMB-1: Ice Maker Outlet Box, GUY GRAY #SSIB2AB	EA	2
125			3/4" Dia NFHW-1: Nonfreezing Wall Hydrant With Recessed Box, ZURN #Z132	EA	4
126			3/4" Dia RH-1: Non-Freeze Sanitary Roof Hydrant, Self-Contained, J.R. SMITH #	EA	1
			WATER HEATER		
127			GWH-1: Tankless Water Heater, NAVIEN #NPE-240A	EA	1
128			GWH-2: Tankless Water Heater, NAVIEN #NPE-240A	EA	1
129			GWH-3: Tankless Water Heater, NAVIEN #NPE-240A	EA	1
			PUMP		
130			HWCP-1: 120° Domestic Hot Water Circulation Pump, BELL AND GOSSETT S	EA	1
			PUMP DETAIL		
131			1/2" Dia Shutoff Valve, NIBCO INC., Two-Piece Bronze Ball Valve With Full Po	EA	2
132			3/4" Dia Shutoff Valve, NIBCO INC., Two-Piece Bronze Ball Valve With Full Po	EA	2
133			3/4" Dia Check Valve, NIBCO INC., Class 125, Bronze, Swing Check Valve With	EA	1
134			1/2" Dia Dielectric Union	EA	2
135			3/4" Dia Circuit Setter	EA	1
136			1/2" Dia Vibration Isolating Spring Hanger	EA	2
137		Thickness Assumed	3/8" Thick Threaded Rod	EA	2
138			Thermometer	EA	1
139			Pressure Gauge And Gauge Cock	EA	2
140			Aquasat To Operate Hot Water Circulation Pump Furnished And Installed By Plu	EA	1
			HOT WATER BALANCING VALVE STATION DETAILS		
141			3/4" Dia Ball Valve, NIBCO INC., Two-Piece Bronze Ball Valve With Full Port, A	EA	6
142			3/4" Dia Swing Type Check Valve, NIBCO INC., Class 125, Bronze, Swing Chec	EA	3
143			3/4" Dia Calibrated Balancing Valve	EA	3
			MISCELLANEOUS		
144			3/4" Dia Union	EA	3
145			3/4" Dia Gas Regulator (2 PSI To 10" WC)	EA	3
146			Dirt Leg	EA	3
147			GI-1: Grease Interceptor 65 Gallon, SCHIER PRODUCTS GB-50	EA	1
			CLEANOUTS & DRAINS		
148			3" Dia RD-1: J.R. SMITH #1015Y-CL-R-CID, Duco Cast Iron Body With Underd	EA	1
149			4" Dia RD-2: J.R. SMITH #1015Y-CL-R-CID, Duco Cast Iron Body With Underd	EA	1
150			6" Dia RD-3: Jay R. Smith Mfg. Co. #1510, Duco cast iron body, flashing clamp, e	EA	1
151			3" Dia OFD-1: J.R. SMITH #1045Y-CL-R-CIDDuco Cast Iron Body With Underd	EA	1

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152			4" Dia OFD-2: J.R. SMITH #1045Y-CL-R-CIDDuco Cast Iron Body With Under	EA	1
153			6" Dia OFD-3: J.R. SMITH #1045Y-CL-R-CIDDuco Cast Iron Body With Under	EA	1
154			SD-1: J.R. SMITH #2005-A05-PB, Duco Cast Iron Body With Flashing Collar, Ad	EA	2
155			TD-1: DURA TRENCH DTPF8-10B24CI-HDBP15ZSA-GLWCB8-NSR-4B, Pref	EA	2
156			2" FD-1: J.R. SMITH #2005YA-U-PB, Duco Cast Iron Body With Flashing Collar	EA	10
157			2" FD-3: J.R. SMITH #2005YA-U-PB, Duco Cast Iron Body With Flashing Collar	EA	1
158			3" Floor Cleanout	EA	1
159			4" Floor Cleanout	EA	8
			VALVES		
160			3/4" Dia Gas Valve	EA	2
161			3/4" Dia Plug Valve	EA	3
162			1-1/2" Dia TMV-1: Temperature-Actuated, Water Mixing Valve, SYMMONS	EA	1
163			1/2" Dia Ball Valve, NIBCO INC., Two-Piece Bronze Ball Valve With Full Port, A	EA	43
164			3/4" Dia Ball Valve, NIBCO INC., Two-Piece Bronze Ball Valve With Full Port, A	EA	10
165			3/4" Dia Balancing Valve Station	EA	3
			PVC COUPLING		
166			2" Dia	EA	10
167			3" Dia	EA	11
168			4" Dia	EA	43
169			6" Dia	EA	2
			NO-HUB COUPLING		
170			1-1/2" Dia	EA	3
171			2" Dia	EA	123
172			3" Dia	EA	7
173			4" Dia	EA	14
			PIPE SUPPORT		
174			1/2" Dia Adjustable Clevis Hanger	EA	130
175			3/4" Dia Adjustable Clevis Hanger	EA	133
176			1" Dia Adjustable Clevis Hanger	EA	40
177			1-1/2" Dia Adjustable Clevis Hanger	EA	53
178			2" Dia Adjustable Clevis Hanger	EA	40
179			3" Dia Adjustable Clevis Hanger	EA	3
180			4" Dia Adjustable Clevis Hanger	EA	1
181			3/8" Dia Threaded Rod (1 Ea. = 1 FT)	EA	356
182			1/2" Dia Threaded Rod (1 Ea. = 1 FT)	EA	44
			TRENCHING & BACKFILLING		
183			Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Mat	CFT	1980

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