

Building Data Summary	
Project ID:	*****
Location:	*****
Scope of Work:	Plumbing & HVAC
Date:	

Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
DIVISION.01 GENERAL REQUIREMENTS														
1		Supervision and Coordination	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -	\$ 8,500.00	
2		Submittals and Shop drawings	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
3		Final Cleaning	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
4		Mobilization Costs	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
5		Temporary Control & Facilities	LS	1	0%	1	\$ -	\$ -	0.000	\$ -	\$ -	\$ -		
		Subtotal (General Requirements)												\$ 8,500
DIVISION 01-Site														
		Site												
6		Connection To Existing 8" Pipe	EA	1	0%	1	\$ 12.00	\$ 12.00	0.120	\$ 50.00	\$ 6.00	\$ 6.00	\$ 18.00	
7		(4" Dia) 2-Way Exterior Cleanout Manuf: JR.SMITH Model: 4261L	EA	2	0%	2	\$ 170.00	\$ 340.00	1.000	\$ 50.00	\$ 50.00	\$ 100.00	\$ 440.00	
8		(4" Dia) PVC Sanitary Pipe	LF	72	5%	76	\$ 4.50	\$ 340.20	0.200	\$ 50.00	\$ 10.00	\$ 756.00	\$ 1,096.20	
9		(1" Dia) Copper K Water Pipe	LF	201	5%	211	\$ 6.10	\$ 1,287.41	0.300	\$ 50.00	\$ 15.00	\$ 3,165.75	\$ 4,453.16	
10		(6" Dia) DI Fire Pipe	LF	205	5%	215	\$ 14.00	\$ 3,013.50	0.400	\$ 50.00	\$ 20.00	\$ 4,305.00	\$ 7,318.50	
11		(6" Dia) Fire Hydrant Assembly	EA	1	0%	1	\$ 3,500.00	\$ 3,500.00	3.500	\$ 50.00	\$ 175.00	\$ 175.00	\$ 3,675.00	
12		(6" Dia) 90D Bend	EA	2	0%	2	\$ 220.00	\$ 440.00	1.500	\$ 50.00	\$ 75.00	\$ 150.00	\$ 590.00	
13		(1" Dia) 90D Bend	EA	2	0%	2	\$ 20.00	\$ 40.00	0.300	\$ 50.00	\$ 15.00	\$ 30.00	\$ 70.00	
14		(6" Dia) 11.25D Bend	EA	1	0%	1	\$ 180.00	\$ 180.00	1.000	\$ 50.00	\$ 50.00	\$ 50.00	\$ 230.00	
15		(1" Dia) 11.25D Bend	EA	1	0%	1	\$ 18.00	\$ 18.00	0.300	\$ 50.00	\$ 15.00	\$ 15.00	\$ 33.00	
16		(6" Dia) 45D Bend	EA	2	0%	2	\$ 200.00	\$ 400.00	1.200	\$ 50.00	\$ 60.00	\$ 120.00	\$ 520.00	
17		(2" Dia) Gas Meter	EA	1	0%	1	\$ 1,300.00	\$ 1,300.00	2.500	\$ 50.00	\$ 125.00	\$ 125.00	\$ 1,425.00	
18		(6" Dia) Fire Double Detector Check Valve Assembly	EA	1	0%	1	\$ 6,520.00	\$ 6,520.00	5.000	\$ 50.00	\$ 250.00	\$ 250.00	\$ 6,770.00	
19		Fire Dept. Connection	EA	1	0%	1	\$ 650.00	\$ 650.00	3.000	\$ 50.00	\$ 150.00	\$ 150.00	\$ 800.00	
20		(1" Dia) RPZ Backflow Preventer mANUF: WATTS Model: 975-NRS	EA	2	0%	2	\$ 750.00	\$ 1,500.00	2.500	\$ 50.00	\$ 125.00	\$ 250.00	\$ 1,750.00	
21		(1" Dia) Irrigation Meter	EA	1	0%	1	\$ 320.00	\$ 320.00	2.000	\$ 50.00	\$ 100.00	\$ 100.00	\$ 420.00	
22		(1" Dia) Gate Valve	EA	2	0%	2	\$ 60.00	\$ 120.00	0.750	\$ 50.00	\$ 37.50	\$ 75.00	\$ 195.00	
23		(1" Dia) Reducer	EA	1	0%	1	\$ 3.50	\$ 3.50	0.200	\$ 50.00	\$ 10.00	\$ 10.00	\$ 13.50	
24		(1" Dia) Tee	EA	1	0%	1	\$ 2.50	\$ 2.50	0.300	\$ 50.00	\$ 15.00	\$ 15.00	\$ 17.50	
25		(1" Dia) Water Meter	EA	1	0%	1	\$ 445.00	\$ 445.00	2.000	\$ 50.00	\$ 100.00	\$ 100.00	\$ 545.00	
26		Connection To Existing 6" Pipe	EA	1	0%	1	\$ 12.00	\$ 12.00	0.120	\$ 50.00	\$ 6.00	\$ 6.00	\$ 18.00	
27		(6"x6") Tapping Sleeve & Valve	EA	1	0%	1	\$ 1,900.00	\$ 1,900.00	4.500	\$ 50.00	\$ 225.00	\$ 225.00	\$ 2,125.00	
28		(6"x2" Dia) Tee	EA	1	0%	1	\$ 350.00	\$ 350.00	2.000	\$ 50.00	\$ 100.00	\$ 100.00	\$ 450.00	
29		(6" Dia) Gate Valve	EA	1	0%	1	\$ 1,150.00	\$ 1,150.00	2.500	\$ 50.00	\$ 125.00	\$ 125.00	\$ 1,275.00	
30		(2" Dia) Gate Valve	EA	1	0%	1	\$ 400.00	\$ 400.00	1.500	\$ 50.00	\$ 75.00	\$ 75.00	\$ 475.00	
31		(2" Dia) PE Gas Pipe	LF	165	5%	173	\$ 4.50	\$ 779.63	0.500	\$ 50.00	\$ 25.00	\$ 4,331.25	\$ 5,110.88	
32		Connection To Existing 1" Pipe	EA	1	0%	1	\$ 10.00	\$ 10.00	0.120	\$ 50.00	\$ 6.00	\$ 6.00	\$ 16.00	
		Trenching												
33		Excavation	CY	192	5%	202	\$ -	\$ -	0.120	\$ 50.00	\$ 6.00	\$ 1,209.60	\$ 1,209.60	
34		Backfill	CY	145	5%	152	\$ -	\$ -	0.152	\$ 50.00	\$ 7.60	\$ 1,157.10	\$ 1,157.10	
		Subtotal (Site)						\$ 25,034				\$ 17,183		\$ 42,216
DIVISION 22-Plumbing														
		Pipes												
35		(1" Dia) Copper L Cold Water Pipe	LF	40	5%	42	\$ 6.10	\$ 256.20	0.300	\$ 50.00	\$ 15.00	\$ 630.00	\$ 886.20	
36		(1" Dia) Gas Pipe	LF	205	5%	215	\$ 3.00	\$ 645.75	0.200	\$ 50.00	\$ 10.00	\$ 2,152.50	\$ 2,798.25	
37		(1/2" Dia) Copper L Hot Water Return Pipe	LF	15	5%	16	\$ 3.50	\$ 55.13	0.250	\$ 50.00	\$ 12.50	\$ 196.88	\$ 252.00	

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38		(1-1/2" Dia) Cast Iron/PVC Gas Pipe	LF	85	5%	89	\$ 8.00	\$ 714.00	0.400	\$ 50.00	\$ 20.00	\$ 1,785.00	\$ 2,499.00	
39		(1-1/4" Dia) Cast Iron/PVC Gas Pipe	LF	156	5%	164	\$ 6.00	\$ 982.80	0.350	\$ 50.00	\$ 17.50	\$ 2,866.50	\$ 3,849.30	
40		(2" Dia) Cast Iron/PVC Gas Pipe	LF	35	5%	37	\$ 10.00	\$ 367.50	0.450	\$ 50.00	\$ 22.50	\$ 826.88	\$ 1,194.38	
41		(2" Dia) Cast Iron/PVC Vent Pipe	LF	50	5%	53	\$ 9.00	\$ 472.50	0.400	\$ 50.00	\$ 20.00	\$ 1,050.00	\$ 1,522.50	
42		(3" Dia) Cast Iron/PVC Sanitary Pipe	LF	15	5%	16	\$ 12.00	\$ 189.00	0.500	\$ 50.00	\$ 25.00	\$ 393.75	\$ 582.75	
43		(3" Dia) Cast Iron/PVC Vent Pipe	LF	15	5%	16	\$ 12.00	\$ 189.00	0.450	\$ 50.00	\$ 22.50	\$ 354.38	\$ 543.38	
44		(3/4" Dia) Copper L Cold Water Pipe	LF	240	5%	252	\$ 4.50	\$ 1,134.00	0.250	\$ 50.00	\$ 12.50	\$ 3,150.00	\$ 4,284.00	
45		(3/4" Dia) Copper/PVC Condensate Drain Pipe	LF	80	5%	84	\$ 2.50	\$ 210.00	0.200	\$ 50.00	\$ 10.00	\$ 840.00	\$ 1,050.00	
46		(3/4" Dia) Copper L Hot Water Pipe	LF	15	5%	16	\$ 4.50	\$ 70.88	0.250	\$ 50.00	\$ 12.50	\$ 196.88	\$ 267.75	
47		(4" Dia) Cast Iron/PVC Sanitary Pipe	LF	15	5%	16	\$ 18.00	\$ 283.50	0.600	\$ 50.00	\$ 30.00	\$ 472.50	\$ 756.00	
		Insulation												
48		2" Batt Insulation	LF	75	5%	79	\$ 0.85	\$ 66.94	0.300	\$ 50.00	\$ 15.00	\$ 1,181.25	\$ 1,248.19	
		Plumbing Fixtures												
49		(3/4" Dia) Hose Bibb W/ Stem Lock Manuf: WOODFORD Model: PTMV-50070	EA	2	0%	2	\$ 45.00	\$ 90.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 140.00	
50		(3/4" Dia) Water Hammer Arrester	EA	2	0%	2	\$ 20.00	\$ 40.00	0.250	\$ 50.00	\$ 12.50	\$ 25.00	\$ 65.00	
51		Water Heater (30 Gal) Mnauf: AO SMITH Model: DEL-30	EA	1	0%	1	\$ 2,400.00	\$ 2,400.00	2.500	\$ 50.00	\$ 125.00	\$ 125.00	\$ 2,525.00	
52		Expension Tank (2 Gal) Manuf: AMTROL Model: THERM-X-TROL	EA	1	0%	1	\$ 80.00	\$ 80.00	0.500	\$ 50.00	\$ 25.00	\$ 25.00	\$ 105.00	
53		Water Closet Manuf: AMERICAN STANDARD Model: 751CA.001	EA	1	0%	1	\$ 300.00	\$ 300.00	1.500	\$ 50.00	\$ 75.00	\$ 75.00	\$ 375.00	
54		Lavatory W/ Faucet Manuf: American Standard Model: 0954	EA	1	0%	1	\$ 350.00	\$ 350.00	1.000	\$ 50.00	\$ 50.00	\$ 50.00	\$ 400.00	
55		Mop Sink W/ Faucet Manuf: MUSTEE Model: 63M	EA	1	0%	1	\$ 275.00	\$ 275.00	1.250	\$ 50.00	\$ 62.50	\$ 62.50	\$ 337.50	
56		Drinking Fountain Manuf: ELKAY Model: EZSTL8C	EA	1	0%	1	\$ 450.00	\$ 450.00	1.500	\$ 50.00	\$ 75.00	\$ 75.00	\$ 525.00	
57		Recirculation Pump Manuf: BELL & GOSSET Model: NBF-9U/LW	EA	1	0%	1	\$ 350.00	\$ 350.00	1.500	\$ 50.00	\$ 75.00	\$ 75.00	\$ 425.00	
58		(2" Dia) Wall Cleanout Manuf: JR.SMITH Model: 4530S	EA	2	0%	2	\$ 40.00	\$ 80.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 130.00	
59		(1" Dia) Pressure Reducing Valve	EA	1	0%	1	\$ 200.00	\$ 200.00	1.000	\$ 50.00	\$ 50.00	\$ 50.00	\$ 250.00	
60		(3" Dia) VTR	EA	1	0%	1	\$ 35.00	\$ 35.00	1.000	\$ 50.00	\$ 50.00	\$ 50.00	\$ 85.00	
		Connections												
61		(1" Dia) 90D Bend	EA	11	0%	11	\$ 3.00	\$ 33.00	0.100	\$ 50.00	\$ 5.00	\$ 55.00	\$ 88.00	
62		(1" to 1-1/4" Dia) Tee	EA	1	0%	1	\$ 4.00	\$ 4.00	0.150	\$ 50.00	\$ 7.50	\$ 7.50	\$ 11.50	
63		(1-1/2" Dia) 90D Bend	EA	6	0%	6	\$ 4.00	\$ 24.00	0.100	\$ 50.00	\$ 5.00	\$ 30.00	\$ 54.00	
64		(1" to 1-1/2" Dia) Tee	EA	1	0%	1	\$ 5.00	\$ 5.00	0.150	\$ 50.00	\$ 7.50	\$ 7.50	\$ 12.50	
65		(1" to 1-1/2" to 2" Dia) Tee	EA	1	0%	1	\$ 6.00	\$ 6.00	0.200	\$ 50.00	\$ 10.00	\$ 10.00	\$ 16.00	
66		(2" Dia) Tee	EA	2	0%	2	\$ 6.00	\$ 12.00	0.150	\$ 50.00	\$ 7.50	\$ 15.00	\$ 27.00	
67		(2" Dia) 90D Bend	EA	4	0%	4	\$ 5.00	\$ 20.00	0.100	\$ 50.00	\$ 5.00	\$ 20.00	\$ 40.00	
68		(1-1/2" to 1-1/4" Dia) Tee	EA	1	0%	1	\$ 5.00	\$ 5.00	0.150	\$ 50.00	\$ 7.50	\$ 7.50	\$ 12.50	
69		(1" to 1-1/4" Dia) Tee	EA	1	0%	1	\$ 4.00	\$ 4.00	0.150	\$ 50.00	\$ 7.50	\$ 7.50	\$ 11.50	

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Item #	Ref. Sheet #	Item Description	Unit	Quantity	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Manhour	Hourly Wage	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost
70		(4" Dia) 90D Bend	EA	3	0%	3	\$ 12.00	\$ 36.00	0.200	\$ 50.00	\$ 10.00	\$ 30.00	\$ 66.00	
71		(4" Dia) Tee	EA	1	0%	1	\$ 15.00	\$ 15.00	0.250	\$ 50.00	\$ 12.50	\$ 12.50	\$ 27.50	
72		(3" Dia) Tee	EA	2	0%	2	\$ 10.00	\$ 20.00	0.200	\$ 50.00	\$ 10.00	\$ 20.00	\$ 40.00	
73		(2" Dia) 90D Bend	EA	6	0%	6	\$ 5.00	\$ 30.00	0.100	\$ 50.00	\$ 5.00	\$ 30.00	\$ 60.00	
74		(2" Dia) Tee	EA	3	0%	3	\$ 6.00	\$ 18.00	0.150	\$ 50.00	\$ 7.50	\$ 22.50	\$ 40.50	
75		(3/4" Dia) 90D Bend	EA	2	0%	2	\$ 2.00	\$ 4.00	0.100	\$ 50.00	\$ 5.00	\$ 10.00	\$ 14.00	
		Subtotal (Plumbing)						\$ 10,523				\$ 17,094		\$ 27,617

DIVISION 23-HVAC														
		Ducts												
76		(10" Dia) Duct	LF	56	5%	59	\$ 12.00	\$ 705.60	0.150	\$ 50.00	\$ 7.50	\$ 441.00	\$ 1,146.60	
77		(10" Dia) Flexible Duct	LF	20	5%	21	\$ 4.00	\$ 84.00	0.100	\$ 50.00	\$ 5.00	\$ 105.00	\$ 189.00	
78		(10"x14") Duct	LF	46	5%	48	\$ 13.00	\$ 627.90	0.200	\$ 50.00	\$ 10.00	\$ 483.00	\$ 1,110.90	
79		(16"x14") Duct	LF	16	5%	17	\$ 20.00	\$ 336.00	0.250	\$ 50.00	\$ 12.50	\$ 210.00	\$ 546.00	
80		(20"x14") Duct	LF	50	5%	53	\$ 25.00	\$ 1,312.50	0.300	\$ 50.00	\$ 15.00	\$ 787.50	\$ 2,100.00	
81		(4" Dia) Duct	LF	20	5%	21	\$ 5.00	\$ 105.00	0.100	\$ 50.00	\$ 5.00	\$ 105.00	\$ 210.00	
82		(4" Dia) Flexible Duct	LF	8	5%	8	\$ 3.00	\$ 25.20	0.080	\$ 50.00	\$ 4.00	\$ 33.60	\$ 58.80	
83		(4" Dia) Flue Vent	LF	35	5%	37	\$ 12.00	\$ 441.00	0.200	\$ 50.00	\$ 10.00	\$ 367.50	\$ 808.50	
84		(6" Dia) Duct	LF	20	5%	21	\$ 8.00	\$ 168.00	0.120	\$ 50.00	\$ 6.00	\$ 126.00	\$ 294.00	
85		(6" Dia) Flexible Duct	LF	5	5%	5	\$ 4.00	\$ 21.00	0.080	\$ 50.00	\$ 4.00	\$ 21.00	\$ 42.00	
86		(8" Dia) Duct	LF	5	5%	5	\$ 10.00	\$ 52.50	0.130	\$ 50.00	\$ 6.50	\$ 34.13	\$ 86.63	
87		(8" Dia) Flexible Duct	LF	5	5%	5	\$ 5.00	\$ 26.25	0.100	\$ 50.00	\$ 5.00	\$ 26.25	\$ 52.50	
		HVAC Fixtures												
88	Unit Heater Manuf: REZNOR Model: UDX-75	EA	6	0%	6	\$ 1,800.00	\$ 10,800.00	4.000	\$ 50.00	\$ 200.00	\$ 1,200.00	\$ 12,000.00		
89	Exhaust Fan Manuf: GREENHECK Model: SBCE-3H42-100	EA	5	0%	5	\$ 450.00	\$ 2,250.00	2.000	\$ 50.00	\$ 100.00	\$ 500.00	\$ 2,750.00		
90	Exhaust Fan Manuf: PANASONIC Model: FV-11-15VK	EA	2	0%	2	\$ 200.00	\$ 400.00	1.000	\$ 50.00	\$ 50.00	\$ 100.00	\$ 500.00		
91	(4'x4') Louver Manuf: GREENHECK Model: ESD-435	EA	5	0%	5	\$ 250.00	\$ 1,250.00	1.000	\$ 50.00	\$ 50.00	\$ 250.00	\$ 1,500.00		
92	(4'x4') Louver Manuf: GREENHECK Model: ESD-436	EA	5	0%	5	\$ 250.00	\$ 1,250.00	1.000	\$ 50.00	\$ 50.00	\$ 250.00	\$ 1,500.00		
93	(1'x1') Louver Manuf: GREENHECK Model: ESD-2020	EA	1	0%	1	\$ 80.00	\$ 80.00	0.500	\$ 50.00	\$ 25.00	\$ 25.00	\$ 105.00		
94	(4" Dia) Vent Cap	EA	6	0%	6	\$ 20.00	\$ 120.00	0.250	\$ 50.00	\$ 12.50	\$ 75.00	\$ 195.00		
95	(2'x2') Ceiling Diffusr Manuf: TITUS Model: TMS	EA	12	0%	12	\$ 100.00	\$ 1,200.00	0.500	\$ 50.00	\$ 25.00	\$ 300.00	\$ 1,500.00		
96	(1'x1') Ceiling Diffusr Manuf: TITUS Model: TMS	EA	2	0%	2	\$ 70.00	\$ 140.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 190.00		
97	(2'x2') Return Grille Manuf: TITUS Model: PAR	EA	4	0%	4	\$ 90.00	\$ 360.00	0.500	\$ 50.00	\$ 25.00	\$ 100.00	\$ 460.00		
98	Smoke Detector	EA	2	0%	2	\$ 60.00	\$ 120.00	0.250	\$ 50.00	\$ 12.50	\$ 25.00	\$ 145.00		
99	(10" Dia) Volume Damper	EA	10	0%	10	\$ 90.00	\$ 900.00	0.500	\$ 50.00	\$ 25.00	\$ 250.00	\$ 1,150.00		

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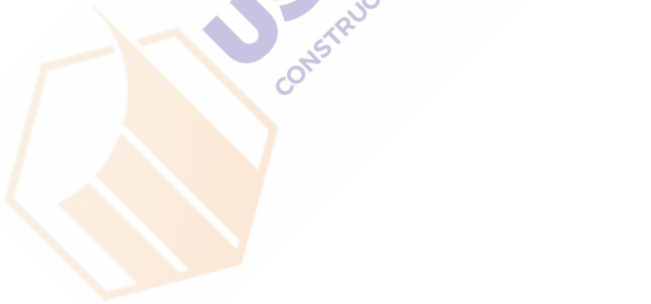
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100		(8" Dia) Volume Damper	EA	1	0%	1	\$ 80.00	\$ 80.00	0.500	\$ 50.00	\$ 25.00	\$ 25.00	\$ 105.00	
101		(4" Dia) Volume Damper	EA	2	0%	2	\$ 60.00	\$ 120.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 170.00	
102		(6" Dia) Volume Damper	EA	1	0%	1	\$ 70.00	\$ 70.00	0.500	\$ 50.00	\$ 25.00	\$ 25.00	\$ 95.00	
103		Roof Top Unit (5 Ton) Manuf: CARRIER Model: 48GCEH06	EA	2	0%	2	\$ 8,200.00	\$ 16,400.00	8.000	\$ 50.00	\$ 400.00	\$ 800.00	\$ 17,200.00	
		Connections												
104		Thermostat	EA	2	0%	2	\$ 300.00	\$ 600.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 650.00	
105		Duct Transition	EA	2	0%	2	\$ 80.00	\$ 160.00	0.500	\$ 50.00	\$ 25.00	\$ 50.00	\$ 210.00	
106		Elbow W/ Turning Vanes	EA	2	0%	2	\$ 100.00	\$ 200.00	0.750	\$ 50.00	\$ 37.50	\$ 75.00	\$ 275.00	
107		Branch Fitting	EA	12	0%	12	\$ 50.00	\$ 600.00	0.500	\$ 50.00	\$ 25.00	\$ 300.00	\$ 900.00	
		Subtotal (HVAC)						\$ 41,005				\$ 7,240		\$ 48,245
PROJECTED COST													\$ 126,579	
INSURANCE													3%	\$ 3,797.36
CONTINGENCY													5%	\$ 6,328.93
OVERHEAD AND PROFIT													15%	\$ 18,987
TAX													7.00%	\$ 5,359.33
SUGGESTED BID													\$ 161,051	

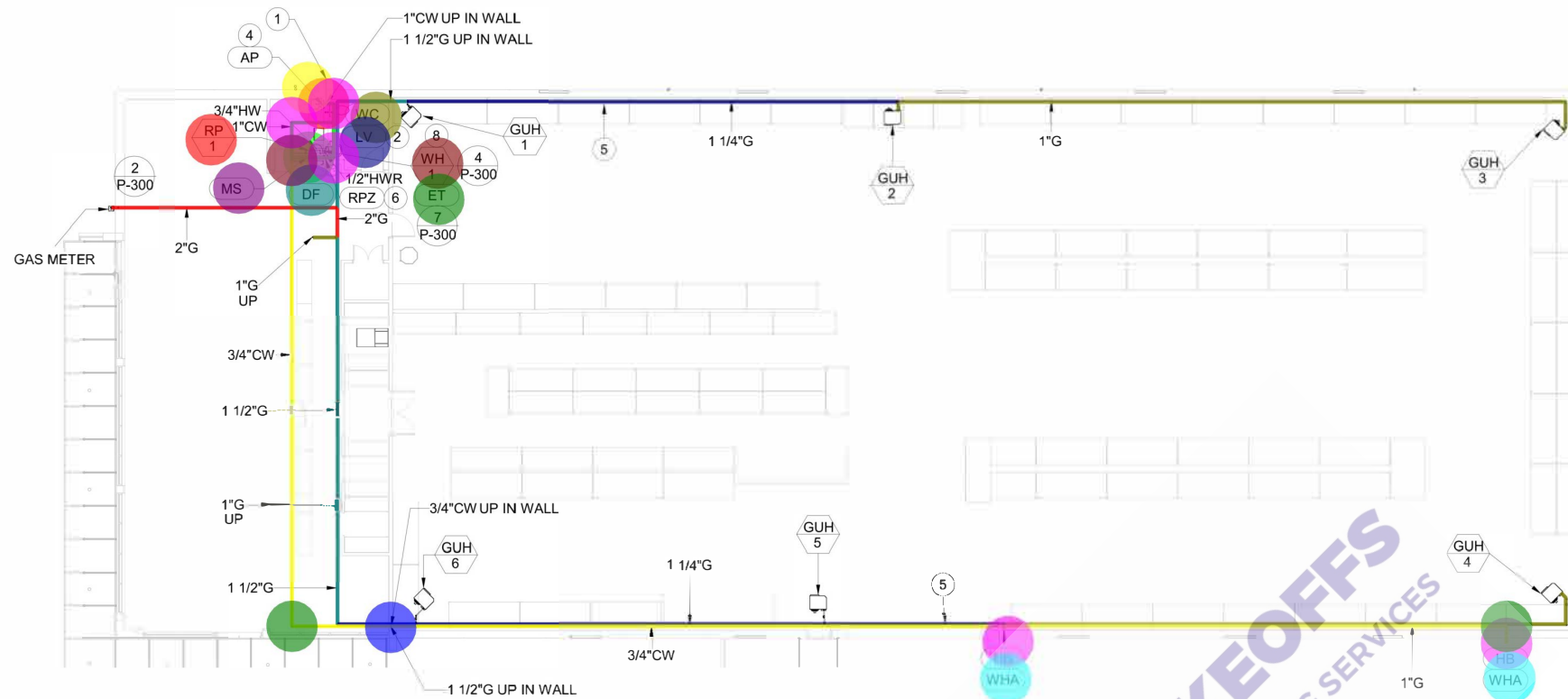
Note:

1.Please verify the equipment's and their prices with owner.

2.Online sources are used for pricing.

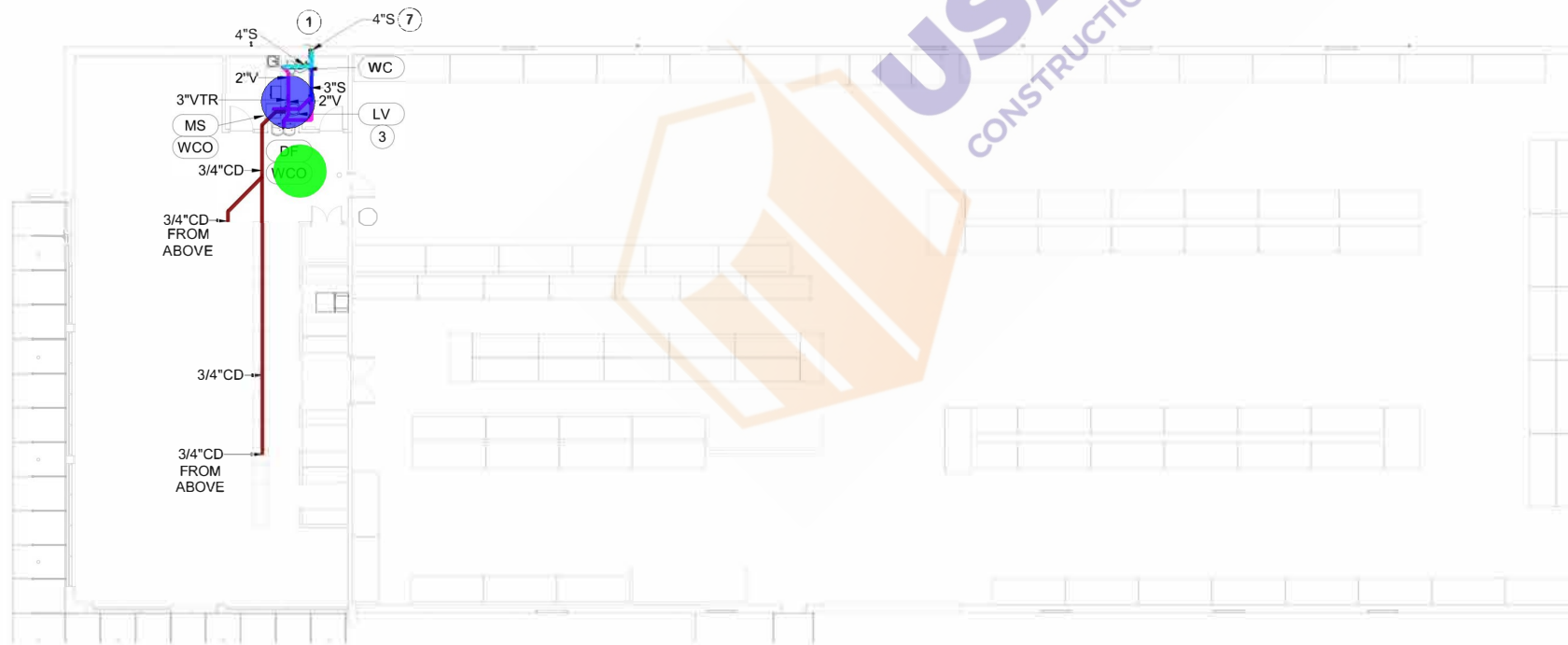
3.Prices can vary depending upon field conditions.





1 PLUMBING WATER & GAS FLOOR PLAN

3/32" = 1'-0"



2 PLUMBING SANITARY & VENT FLOOR PLAN

3/32" = 1'-0"

PLUMBING PLAN NOTES:

1. REFER TO SHEET P-002 FOR WATER AND SANITARY LINE CONTINUATION.
2. HOT WATER SERVING PUBLIC LAVS MAY NOT EXCEED 2'-0" IN LENGTH BETWEEN HOT WATER MAIN LINE AND PLUMBING FIXTURE. TO COMPLY W/IECC C404.5.1., ROUTE MAIN LINE DOWN IN WALL, AND TAP 1/2" HOT WATER LINE TO LAVATORY FAUCET. LOOP HOT WATER LINE BACK UP AND CONTINUE ROUTING TO OTHER PLUMBING FIXTURES SHOWN ON PLAN.
3. ROUTE NEW 3/4" CONDENSATE LINE DOWN IN WALL AND CONNECT TO LAVATORY TAILPIECE.
4. PROVIDE PRESSURE REDUCING VALVE ON COLD WATER LINE ENTERING BUILDING. WATER PRESSURE INTO BUILDING SERVING PLUMBING FIXTURES TO BE A MAXIMUM OF 60 PSI.
5. ROUTE GAS LINE AS HIGH AS POSSIBLE.
6. 1" BACKFLOW PREVENTER MOUNTED ON WALL.



PROJECT ADDRESS

- (1" Dia) Gas Pipe
- (1-1/4" Dia) Gas Pipe
- (1-1/2" Dia) Gas Pipe
- (2" Dia) Gas Pipe
- (1" Dia) Cold Water Pipe
- (3/4" Dia) Cold Water Pipe
- (3" Dia) Sanitary Pipe
- (2" Dia) Vent Pipe
- (4" Dia) Sanitary Pipe
- (3/4" Dia) Condensate Drain Pipe
- (1" Dia) Cold Water Pipe
- (1/2" Dia) Hot Water Return Pipe
- (3/4" Dia) Hot Water Pipe
- (3/4" Dia) Cold Water Pipe
- (3/4" Dia) Hose Bibb W/ Stem Lock
- (3/4" Dia) Water Hammer Arrestor
- Water Heater (30 Gal)
- Expansion Tank (2 Gal)
- Water Closet
- Lavatory W/ Faucet
- Mop Sink W/ Faucet
- Drinking Fountain
- Recirculation Pump
- (2" Dia) Wall Cleanout
- (1" Dia) Pressure Reducing Valve
- (3" Dia) VTR
- (3/4" Dia) 90D Bend
- (1" Dia) 90D Bend
- (2" Dia) Tee

177.2 FT

155.2 FT

75.4 FT

34.1 FT

24.8 FT

227.4 FT

6.5 FT

20.1 FT

5.7 FT

54.2 FT

1.0

1.0

1.0

1.0

2.0

2.0

1.0

1.0

1.0

1.0

1.0

1.0

1.0

2.0

1.0

1.0

2.0

3.0

1.0

PLAN NORTH	Project No.	Sheet No.
Drawn	Ckd	P-100
Author	BSS	