

## GENERAL SUMMARY

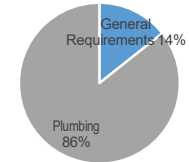
Prepared for: 0  
 Project ID: 4192025  
 Scope: Plumbing  
 No. Of Floors: 1  
 Date: 29-Jul-25



BUILDING GSF 6,111

| DIVISION NO         | DESCRIPTION          | TOTAL DIV. COST | TOTAL DIV. COST (PER SF) |
|---------------------|----------------------|-----------------|--------------------------|
| 1000                | General Requirements | \$ 10,300       | \$ 2                     |
| 22000               | Plumbing             | \$ 61,581       | \$ 10                    |
| TOTAL TRADE COST    |                      | \$ 71,881       | \$ 12                    |
| OVERHEAD AND PROFIT |                      |                 |                          |
|                     | 30%                  | \$ 21,564       | \$ 4                     |
| INSURANCE           |                      |                 |                          |
|                     | 3%                   | \$ 2,156        | \$ 0.4                   |
| CONTINGENCY         |                      |                 |                          |
|                     | 5%                   | \$ 3,594        | \$ 1                     |
| TAX                 |                      |                 |                          |
|                     | 8%                   | \$ 3,028        | \$ 1                     |
| SUGGESTED BID       |                      | \$ 102,224      | \$ 17                    |

DIVISION COST COMPARISON



■ General Requirements ■ Plumbing



# DETAILED BREAKDOWN OF ITEMS

Prepared for:  
Project ID: 4192025  
Scope: Plumbing



Date: 29-Jul-25

| SR #                 | Drawing # | Detail # | DESCRIPTION                                             | UNIT | QUANTITY | UNIT MANHOURL | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST   | SUB COST    |
|----------------------|-----------|----------|---------------------------------------------------------|------|----------|---------------|-------------|------------|-----------|-------------|-------------|
| GENERAL REQUIREMENTS |           |          |                                                         |      |          |               |             |            |           |             |             |
| 1                    |           |          | Permits                                                 | LS   | 1        | 0.000         | \$ -        | \$ -       | \$ -      | \$ -        | \$ -        |
| 2                    |           |          | Supervision and Coordination                            | LS   | 1        | 0.000         | \$ -        | \$ -       | \$ -      | \$ 4,500.00 | \$ 4,500.00 |
| 3                    |           |          | Submittals and Shop drawings                            | LS   | 1        | 0.000         | \$ -        | \$ -       | \$ -      | \$ -        | \$ -        |
| 4                    |           |          | Final Cleaning                                          | LS   | 1        | 0.000         | \$ -        | \$ -       | \$ -      | \$ 1,500.00 | \$ 1,500.00 |
| 5                    |           |          | Mobilization Costs                                      | LS   | 1        | 0.000         | \$ -        | \$ -       | \$ -      | \$ 2,500.00 | \$ 2,500.00 |
| 6                    |           |          | Temporary Control & Facilities                          | LS   | 1        | 0.000         | \$ -        | \$ -       | \$ -      | \$ 1,000.00 | \$ 1,000.00 |
| 7                    |           |          | Scaffolding                                             | LS   | 1        | 0.000         | \$ -        | \$ -       | \$ -      | \$ 800.00   | \$ 800      |
|                      |           |          |                                                         |      |          |               |             |            |           | SUBTOTAL \$ | 10,300      |
| PLUMBING             |           |          |                                                         |      |          |               |             |            |           |             |             |
|                      |           |          | OXYGEN PIPE (ABOVE GRADE)                               |      |          |               |             |            |           |             |             |
| Material Assumed     |           |          | Type "K" Medical Grade Capped Copper Pipe with Fittings |      |          |               |             |            |           |             |             |
| 8                    |           |          | 1/2" Dia Oxygen Pipe                                    | LF   | 328      | 0.077         | \$ 55.00    | \$ 4.25    | \$ 4.25   | \$ 8.50     | \$ 2,783.55 |
| 9                    |           |          | 3/4" Dia Oxygen Pipe                                    | LF   | 230      | 0.081         | \$ 55.00    | \$ 4.46    | \$ 7.15   | \$ 11.61    | \$ 2,667.35 |
| 10                   |           |          | 1" Dia Oxygen Pipe                                      | LF   | 57       | 0.091         | \$ 55.00    | \$ 4.99    | \$ 9.60   | \$ 14.59    | \$ 828.36   |
|                      |           |          | OXYGEN PIPE FITTINGS                                    |      |          |               |             |            |           |             |             |
|                      |           |          | ELBOW                                                   |      |          |               |             |            |           |             |             |
| 11                   |           |          | 1/2" Dia Oxygen Pipe 90 Deg Elbow                       | EA   | 43       | 0.300         | \$ 55.00    | \$ 16.50   | \$ 2.49   | \$ 18.99    | \$ 816.57   |
| 12                   |           |          | 3/4" Dia Oxygen Pipe 90 Deg Elbow                       | EA   | 13       | 0.316         | \$ 55.00    | \$ 17.37   | \$ 5.40   | \$ 22.77    | \$ 295.96   |
| 13                   |           |          | 1" Dia Oxygen Pipe 90 Deg Elbow                         | EA   | 4        | 0.375         | \$ 55.00    | \$ 20.63   | \$ 13.45  | \$ 34.08    | \$ 136.30   |
|                      |           |          | TEE                                                     |      |          |               |             |            |           |             |             |
| 14                   |           |          | 1/2" Dia Oxygen Pipe Tee                                | EA   | 3        | 0.461         | \$ 55.00    | \$ 25.37   | \$ 4.12   | \$ 29.49    | \$ 88.47    |
| 15                   |           |          | 3/4" Dia Oxygen Pipe Tee                                | EA   | 4        | 0.500         | \$ 55.00    | \$ 27.51   | \$ 14.25  | \$ 41.76    | \$ 167.06   |
| 16                   |           |          | 3/4" / 1/2" Dia Oxygen Pipe Tee                         | EA   | 6        | 0.500         | \$ 55.00    | \$ 27.51   | \$ 14.25  | \$ 41.76    | \$ 250.58   |
|                      |           |          | REDUCER                                                 |      |          |               |             |            |           |             |             |
| 17                   |           |          | 3/4" / 1/2" Dia Oxygen Pipe Reducer                     | EA   | 4        | 0.500         | \$ 55.00    | \$ 27.51   | \$ 20.00  | \$ 47.51    | \$ 190.06   |
| 18                   |           |          | 1" / 1/2" Dia Oxygen Pipe Reducer                       | EA   | 1        | 0.600         | \$ 55.00    | \$ 33.00   | \$ 34.00  | \$ 67.00    | \$ 67.00    |
| 19                   |           |          | 1" / 3/4" Dia Oxygen Pipe Reducer                       | EA   | 1        | 0.600         | \$ 55.00    | \$ 33.00   | \$ 34.00  | \$ 67.00    | \$ 67.00    |
|                      |           |          | AIR PIPE (ABOVE GRADE)                                  |      |          |               |             |            |           |             |             |
| Material Assumed     |           |          | Type "K" Medical Grade Capped Copper Pipe with Fittings |      |          |               |             |            |           |             |             |
| 20                   |           |          | 3/4" Dia Air Pipe                                       | LF   | 296      | 0.081         | \$ 55.00    | \$ 4.46    | \$ 7.15   | \$ 11.61    | \$ 3,438.39 |
| 21                   |           |          | 1" Dia Air Pipe                                         | LF   | 135      | 0.091         | \$ 55.00    | \$ 4.99    | \$ 9.60   | \$ 14.59    | \$ 1,973.55 |
| 22                   |           |          | 1-1/2" Dia Air Pipe                                     | LF   | 107      | 0.120         | \$ 55.00    | \$ 6.60    | \$ 16.00  | \$ 22.60    | \$ 2,426.83 |
| 23                   |           |          | 4" Dia Air Pipe                                         | LF   | 12       | 0.316         | \$ 55.00    | \$ 17.37   | \$ 101.00 | \$ 118.37   | \$ 1,443.95 |
|                      |           |          | AIR PIPE FITTINGS                                       |      |          |               |             |            |           |             |             |
|                      |           |          | ELBOW                                                   |      |          |               |             |            |           |             |             |
| 24                   |           |          | 3/4" Dia Air Pipe 90 Deg Elbow                          | EA   | 42       | 0.316         | \$ 55.00    | \$ 17.37   | \$ 5.40   | \$ 22.77    | \$ 956.18   |
| 25                   |           |          | 1" Dia Air Pipe 90 Deg Elbow                            | EA   | 8        | 0.375         | \$ 55.00    | \$ 20.63   | \$ 13.45  | \$ 34.08    | \$ 272.60   |
| 26                   |           |          | 1-1/2" Dia Air Pipe 90 Deg Elbow                        | EA   | 5        | 0.461         | \$ 55.00    | \$ 25.37   | \$ 31.00  | \$ 56.37    | \$ 281.84   |
| 27                   |           |          | 4" Dia Air Pipe 90 Deg Elbow                            | EA   | 4        | 1.334         | \$ 55.00    | \$ 73.34   | \$ 320.00 | \$ 393.34   | \$ 1,573.37 |

# DETAILED BREAKDOWN OF ITEMS

Prepared for:  
Project ID: 4192025  
Scope: Plumbing



Date: 29-Jul-25

| SR # | Drawing # | Detail #                | DESCRIPTION                                                    | UNIT | QUANTITY | UNIT MANHOURL | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST    |
|------|-----------|-------------------------|----------------------------------------------------------------|------|----------|---------------|-------------|------------|-----------|-----------|-------------|
|      |           |                         | <b>TEE</b>                                                     |      |          |               |             |            |           |           |             |
| 28   |           |                         | 3/4" Dia Air Pipe Tee                                          | EA   | 1        | 0.500         | \$ 55.00    | \$ 27.51   | \$ 14.25  | \$ 41.76  | \$ 41.76    |
| 29   |           |                         | 1" Dia Air Pipe Tee                                            | EA   | 2        | 0.600         | \$ 55.00    | \$ 33.00   | \$ 26.00  | \$ 59.00  | \$ 118.00   |
| 30   |           |                         | 1-1/2" Dia Air Pipe Tee                                        | EA   | 1        | 0.750         | \$ 55.00    | \$ 41.25   | \$ 63.00  | \$ 104.25 | \$ 104.25   |
| 31   |           |                         | 1" / 3/4" Dia Air Pipe Tee                                     | EA   | 3        | 0.600         | \$ 55.00    | \$ 33.00   | \$ 26.00  | \$ 59.00  | \$ 177.00   |
| 32   |           |                         | 1-1/2" / 3/4" Dia Air Pipe Tee                                 | EA   | 4        | 0.750         | \$ 55.00    | \$ 41.25   | \$ 63.00  | \$ 104.25 | \$ 417.00   |
|      |           |                         | <b>REDUCER</b>                                                 |      |          |               |             |            |           |           |             |
| 33   |           |                         | 1" / 3/4" Dia Air Pipe Reducer                                 | EA   | 1        | 0.600         | \$ 55.00    | \$ 33.00   | \$ 34.00  | \$ 67.00  | \$ 67.00    |
| 34   |           |                         | 1-1/2" / 3/4" Dia Air Pipe Reducer                             | EA   | 3        | 0.750         | \$ 55.00    | \$ 41.25   | \$ 86.00  | \$ 127.25 | \$ 381.75   |
| 35   |           |                         | 1-1/2" / 1" Dia Air Pipe Reducer                               | EA   | 2        | 0.750         | \$ 55.00    | \$ 41.25   | \$ 86.00  | \$ 127.25 | \$ 254.50   |
|      |           |                         | <b>VACUUM PIPE (ABOVE GRADE)</b>                               |      |          |               |             |            |           |           |             |
|      |           | <b>Material Assumed</b> | <b>Type "K" Medical Grade Capped Copper Pipe with Fittings</b> |      |          |               |             |            |           |           |             |
| 36   |           |                         | 1/2" Dia Vacuum Pipe                                           | LF   | 56       | 0.077         | \$ 55.00    | \$ 4.25    | \$ 4.25   | \$ 8.50   | \$ 477.90   |
| 37   |           |                         | 1" Dia Vacuum Pipe                                             | LF   | 271      | 0.091         | \$ 55.00    | \$ 4.99    | \$ 9.60   | \$ 14.59  | \$ 3,957.06 |
| 38   |           |                         | 1-1/4" Dia Vacuum Pipe                                         | LF   | 18       | 0.107         | \$ 55.00    | \$ 5.90    | \$ 12.15  | \$ 18.05  | \$ 328.97   |
| 39   |           |                         | 1-1/2" Dia Vacuum Pipe                                         | LF   | 56       | 0.120         | \$ 55.00    | \$ 6.60    | \$ 16.00  | \$ 22.60  | \$ 1,255.43 |
| 40   |           |                         | 2" Dia Vacuum Pipe                                             | LF   | 237      | 0.150         | \$ 55.00    | \$ 8.25    | \$ 24.50  | \$ 32.75  | \$ 7,760.87 |
| 41   | P311      |                         | 4" Dia Vacuum Pipe                                             | LF   | 15       | 0.316         | \$ 55.00    | \$ 17.37   | \$ 101.00 | \$ 118.37 | \$ 1,795.50 |
|      |           |                         | <b>VACUUM PIPE FITTINGS</b>                                    |      |          |               |             |            |           |           |             |
|      |           |                         | <b>ELBOW</b>                                                   |      |          |               |             |            |           |           |             |
| 42   |           |                         | 1/2" Dia Vacuum Pipe 90 Deg Elbow                              | EA   | 4        | 0.300         | \$ 55.00    | \$ 16.50   | \$ 2.49   | \$ 18.99  | \$ 75.96    |
| 43   |           |                         | 1" Dia Vacuum Pipe 90 Deg Elbow                                | EA   | 32       | 0.375         | \$ 55.00    | \$ 20.63   | \$ 13.45  | \$ 34.08  | \$ 1,090.40 |
| 44   |           |                         | 1-1/4" Dia Vacuum Pipe 90 Deg Elbow                            | EA   | 4        | 0.400         | \$ 55.00    | \$ 21.99   | \$ 19.95  | \$ 41.94  | \$ 167.75   |
| 45   |           |                         | 1-1/2" Dia Vacuum Pipe 90 Deg Elbow                            | EA   | 7        | 0.461         | \$ 55.00    | \$ 25.37   | \$ 31.00  | \$ 56.37  | \$ 394.58   |
| 46   |           |                         | 2" Dia Vacuum Pipe 90 Deg Elbow                                | EA   | 14       | 0.545         | \$ 55.00    | \$ 29.99   | \$ 56.50  | \$ 86.49  | \$ 1,210.84 |
| 47   |           |                         | 4" Dia Vacuum Pipe 90 Deg Elbow                                | EA   | 4        | 1.334         | \$ 55.00    | \$ 73.34   | \$ 320.00 | \$ 393.34 | \$ 1,573.37 |
|      |           |                         | <b>TEE</b>                                                     |      |          |               |             |            |           |           |             |
| 48   |           |                         | 1" Dia Vacuum Pipe Tee                                         | EA   | 1        | 0.600         | \$ 55.00    | \$ 33.00   | \$ 26.00  | \$ 59.00  | \$ 59.00    |
| 49   |           |                         | 2" Dia Vacuum Pipe Tee                                         | EA   | 3        | 0.857         | \$ 55.00    | \$ 47.15   | \$ 100.00 | \$ 147.15 | \$ 441.45   |
| 50   |           |                         | 1-1/2" / 1" Dia Vacuum Pipe Tee                                | EA   | 2        | 0.750         | \$ 55.00    | \$ 41.25   | \$ 63.00  | \$ 104.25 | \$ 208.50   |
| 51   |           |                         | 2" / 1/2" Dia Vacuum Pipe Tee                                  | EA   | 1        | 0.857         | \$ 55.00    | \$ 47.15   | \$ 100.00 | \$ 147.15 | \$ 147.15   |
| 52   |           |                         | 2" / 1" Dia Vacuum Pipe Tee                                    | EA   | 5        | 0.857         | \$ 55.00    | \$ 47.15   | \$ 100.00 | \$ 147.15 | \$ 735.74   |
| 53   |           |                         | 2" / 1-1/2" Dia Vacuum Pipe Tee                                | EA   | 1        | 0.857         | \$ 55.00    | \$ 47.15   | \$ 100.00 | \$ 147.15 | \$ 147.15   |
|      |           |                         | <b>REDUCER</b>                                                 |      |          |               |             |            |           |           |             |
| 54   |           |                         | 1" / 1/2" Dia Vacuum Pipe Reducer                              | EA   | 1        | 0.600         | \$ 55.00    | \$ 33.00   | \$ 34.00  | \$ 67.00  | \$ 67.00    |
| 55   |           |                         | 1-1/2" / 1-1/4" Dia Vacuum Pipe Reducer                        | EA   | 2        | 0.750         | \$ 55.00    | \$ 41.25   | \$ 86.00  | \$ 127.25 | \$ 254.50   |
| 56   |           |                         | 2" / 1" Dia Vacuum Pipe Reducer                                | EA   | 3        | 0.857         | \$ 55.00    | \$ 47.15   | \$ 149.80 | \$ 196.95 | \$ 590.85   |
| 57   |           |                         | 2" / 1-1/2" Dia Vacuum Pipe Reducer                            | EA   | 1        | 0.857         | \$ 55.00    | \$ 47.15   | \$ 149.80 | \$ 196.95 | \$ 196.95   |
|      |           |                         | <b>WASTE ANESTHETIC GAS DISPOSAL PIPE (ABOVE GRADE)</b>        |      |          |               |             |            |           |           |             |
|      |           | <b>Material Assumed</b> | <b>Type "K" Medical Grade Capped Copper Pipe with Fittings</b> |      |          |               |             |            |           |           |             |
| 58   |           |                         | 1" Dia Waste Anesthetic Gas Disposal Pipe                      | LF   | 69       | 0.091         | \$ 55.00    | \$ 4.99    | \$ 9.60   | \$ 14.59  | \$ 1,003.79 |
| 59   |           |                         | 1-1/2" Dia Waste Anesthetic Gas Disposal Pipe                  | LF   | 101      | 0.120         | \$ 55.00    | \$ 6.60    | \$ 16.00  | \$ 22.60  | \$ 2,280.66 |
|      |           |                         | <b>WASTE ANESTHETIC GAS DISPOSAL PIPE FITTINGS</b>             |      |          |               |             |            |           |           |             |

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| SR # | Drawing # | Detail #        | DESCRIPTION                                                | UNIT | QUANTITY | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST   | UNIT COST   | SUB COST    |
|------|-----------|-----------------|------------------------------------------------------------|------|----------|--------------|-------------|------------|-------------|-------------|-------------|
|      |           |                 | <b>ELBOW</b>                                               |      |          |              |             |            |             |             |             |
| 60   |           |                 | 1" Dia Waste Anesthetic Gas Disposal Pipe 90 Deg Elbow     | EA   | 11       | 0.375        | \$ 55.00    | \$ 20.63   | \$ 13.45    | \$ 34.08    | \$ 374.83   |
| 61   |           |                 | 1-1/2" Dia Waste Anesthetic Gas Disposal Pipe 90 Deg Elbow | EA   | 5        | 0.461        | \$ 55.00    | \$ 25.37   | \$ 31.00    | \$ 56.37    | \$ 281.84   |
|      |           |                 | <b>TEE</b>                                                 |      |          |              |             |            |             |             |             |
| 62   |           |                 | 1-1/2" / 1" Dia Waste Anesthetic Gas Disposal Pipe Tee     | EA   | 1        | 0.750        | \$ 55.00    | \$ 41.25   | \$ 63.00    | \$ 104.25   | \$ 104.25   |
|      |           |                 | <b>REDUCER</b>                                             |      |          |              |             |            |             |             |             |
| 63   |           |                 | 1-1/2" / 1" Dia Waste Anesthetic Gas Disposal Pipe Reducer | EA   | 1        | 0.750        | \$ 55.00    | \$ 41.25   | \$ 86.00    | \$ 127.25   | \$ 127.25   |
|      |           |                 | <b>PLUMBING FIXTURES</b>                                   |      |          |              |             |            |             |             |             |
| 64   |           | Assumed As      | VP: Vacuum Pump                                            | EA   | 1        | 3.00         | \$ 55.00    | \$ 165.00  | \$ 339.10   | \$ 504.10   | \$ 504.10   |
| 65   |           | Schedule/Detail | AC: Air Compressor                                         | EA   | 1        | 3.75         | \$ 55.00    | \$ 206.25  | \$ 399.99   | \$ 606.24   | \$ 606.24   |
| 66   |           | Not Given       | OM: Oxygen Manifold                                        | EA   | 1        | 5.75         | \$ 55.00    | \$ 316.25  | \$ 1,269.57 | \$ 1,585.82 | \$ 1,585.82 |
|      |           |                 | <b>MISCELLANEOUS</b>                                       |      |          |              |             |            |             |             |             |
|      |           |                 | <b>PIPE SUPPORT</b>                                        |      |          |              |             |            |             |             |             |
| 67   |           |                 | 1/2" Dia Adjustable Clevis Hanger                          | EA   | 58       | 0.00         | \$ 55.00    | \$ -       | \$ -        | \$ -        | \$ -        |
| 68   |           |                 | 3/4" Dia Adjustable Clevis Hanger                          | EA   | 80       | 0.00         | \$ 55.00    | \$ -       | \$ -        | \$ -        | \$ -        |
| 69   |           |                 | 1" Dia Adjustable Clevis Hanger                            | EA   | 81       | 0.00         | \$ 55.00    | \$ -       | \$ -        | \$ -        | \$ -        |



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|------|-----------|----------|--------------------------------------|------|----------|--------------|-------------|------------|-----------|-----------|-------------|
| 70   |           |          | 1-1/4" Dia Adjustable Clevis Hanger  | EA   | 3        | 0.00         | \$ 55.00    | \$ -       | \$ -      | \$ -      | \$ -        |
| 71   |           |          | 1-1/2" Dia Adjustable Clevis Hanger  | EA   | 40       | 0.00         | \$ 55.00    | \$ -       | \$ -      | \$ -      | \$ -        |
| 72   |           |          | 2" Dia Adjustable Clevis Hanger      | EA   | 22       | 0.00         | \$ 55.00    | \$ -       | \$ -      | \$ -      | \$ -        |
| 73   |           |          | 4" Dia Adjustable Clevis Hanger      | EA   | 2        | 0.00         | \$ 55.00    | \$ -       | \$ -      | \$ -      | \$ -        |
| 74   |           |          | 3/8" Dia Threaded Rod (1 Ea. = 1 FT) | EA   | 261      | 0.43         | \$ 55.00    | \$ 23.65   | \$ 9.47   | \$ 33.12  | \$ 8,644.32 |
| 75   |           |          | 1/2" Dia Threaded Rod (1 Ea. = 1 FT) | EA   | 24       | 0.44         | \$ 55.00    | \$ 24.20   | \$ 11.01  | \$ 35.21  | \$ 845.04   |

SUBTOTAL \$ 61,581

|                     |  |  |  |  |  |  |  |  |  |     |           |
|---------------------|--|--|--|--|--|--|--|--|--|-----|-----------|
| PROJECTED COST      |  |  |  |  |  |  |  |  |  |     | \$71,881  |
| OVERHEAD AND PROFIT |  |  |  |  |  |  |  |  |  | 30% | \$21,564  |
| INSURANCE           |  |  |  |  |  |  |  |  |  | 3%  | \$2,156   |
| CONTINGENCY         |  |  |  |  |  |  |  |  |  | 5%  | \$3,594   |
| TAX                 |  |  |  |  |  |  |  |  |  | 8%  | \$3,028   |
| SUGGESTED BID       |  |  |  |  |  |  |  |  |  |     | \$102,224 |

## Notes:

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

