

GENERAL SUMMARY

Prepared for:

Project ID:

Scope: **MEP**

No. Of Floors:

Date:



BUILDING GSF

Sub-Basement (SF)

Basement (SF)

1st Floor (SF)

2nd Floor (SF)

| DIVISION NO. | DESCRIPTION | TOTAL DIV. COST | TOTAL DIV. COST |
|----------------------------|----------------------|-----------------|-----------------|
| 1000 | General Requirements | \$ - | \$ - |
| 2000 | Demolition | \$ - | \$ - |
| 22000 | Plumbing | \$ - | \$ - |
| 23000 | HVAC | \$ - | \$ - |
| 26000 | Electrical | \$ - | \$ - |
| TOTAL TRADE COST | | \$ - | \$ - |
| OVERHEAD AND PROFIT | | | |
| | 15% | \$ - | \$ - |
| INSURANCE | | | |
| | 0% | \$ - | \$ - |
| CONTINGENCY | | | |
| | 0% | \$ - | \$ - |
| TAX | | | |
| | 0% | \$ - | \$ - |
| TOTAL TRADE COST | | \$ - | \$ - |

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

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Date:

| SR # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|------|----------|---------|------------------------|------------|-----------|-----------|----------|
| GENERAL REQUIREMENTS | | | | | | | | | |
| 1 | Permits | LS | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 2 | Supervision and Coordination | LS | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 3 | Submittals and Shop drawings | LS | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 4 | Final Cleaning | LS | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 5 | Mobilization Costs | LS | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 6 | Temporary Control & Facilities | LS | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 7 | Scaffolding | SF | 16522 | 0% | 16522 | \$ - | \$ - | \$ - | \$ - |
| SUBTOTAL \$ | | | | | | | | | - |
| DEMOLITION | | | | | | | | | |
| 8 | Remove Existing Water Heater | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 9 | Remove Existing Tank | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 10 | Remove Existing Piping | LF | 210 | 0% | 210 | \$ - | \$ - | \$ - | \$ - |
| 11 | Remove Existing Roof Top Units | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 12 | Remove Existing Duct | LF | 164 | 0% | 164 | \$ - | \$ - | \$ - | \$ - |
| 13 | Remove Existing Lighting Fixtures | EA | 60 | 0% | 60 | \$ - | \$ - | \$ - | \$ - |
| 14 | Remove Existing Wiring With Conduit | LF | 320 | 0% | 320 | \$ - | \$ - | \$ - | \$ - |
| SUBTOTAL \$ | | | | | | | | | - |
| Plumbing | | | | | | | | | |
| Cold Water Pipe Underground | | | | | | | | | |
| Type K Soft Drawn Copper W/ Wrought Copper Fittings | | | | | | | | | |
| 15 | 1" Dia Cold Water Pipe | LF | 458 | 10% | 504 | \$ - | \$ - | \$ - | \$ - |
| 16 | 2-1/2" Dia Cold Water Pipe | LF | 9 | 10% | 9 | \$ - | \$ - | \$ - | \$ - |
| Cold Water Pipe Fittings | | | | | | | | | |
| Elbow | | | | | | | | | |
| 17 | 1" Dia Cold Water Pipe 90 Deg Elbow | EA | 6 | 0% | 6 | \$ - | \$ - | \$ - | \$ - |
| 18 | 2-1/2" Dia Cold Water Pipe 90 Deg Elbow | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| Cold Water Pipe | | | | | | | | | |
| Type L Hard Drawn Copper W/ Wrought Copper Fittings | | | | | | | | | |
| 19 | 1/2" Dia Cold Water Pipe | LF | 136 | 10% | 150 | \$ - | \$ - | \$ - | \$ - |
| 20 | 3/4" Dia Cold Water Pipe | LF | 412 | 10% | 453 | \$ - | \$ - | \$ - | \$ - |
| 21 | 1" Dia Cold Water Pipe | LF | 177 | 10% | 195 | \$ - | \$ - | \$ - | \$ - |
| 22 | 1-1/4" Dia Cold Water Pipe | LF | 18 | 10% | 19 | \$ - | \$ - | \$ - | \$ - |
| 23 | 1-1/2" Dia Cold Water Pipe | LF | 82 | 10% | 90 | \$ - | \$ - | \$ - | \$ - |
| 24 | 2" Dia Cold Water Pipe | LF | 40 | 10% | 44 | \$ - | \$ - | \$ - | \$ - |
| 25 | 2-1/2" Dia Cold Water Pipe | LF | 13 | 10% | 14 | \$ - | \$ - | \$ - | \$ - |
| Insulation | | | | | | | | | |
| 1" Thick Noncombustible, Performed, Fiberglass Pipe Insulation W/ A Conductivity, K-Value, Of 0.27 A 75 F, With Kraft Reinforced Foil Vapor Barrier W/ Self Adhesive Joints. | | | | | | | | | |
| 26 | 1/2" Dia Cold Water Pipe | LF | 136 | 10% | 150 | \$ - | \$ - | \$ - | \$ - |
| 27 | 3/4" Dia Cold Water Pipe | LF | 412 | 10% | 453 | \$ - | \$ - | \$ - | \$ - |
| 28 | 1" Dia Cold Water Pipe | LF | 177 | 10% | 195 | \$ - | \$ - | \$ - | \$ - |
| 29 | 1-1/4" Dia Cold Water Pipe | LF | 18 | 10% | 19 | \$ - | \$ - | \$ - | \$ - |
| 30 | 1-1/2" Dia Cold Water Pipe | LF | 82 | 10% | 90 | \$ - | \$ - | \$ - | \$ - |
| 31 | 2" Dia Cold Water Pipe | LF | 40 | 10% | 44 | \$ - | \$ - | \$ - | \$ - |
| 32 | 2-1/2" Dia Cold Water Pipe | LF | 13 | 10% | 14 | \$ - | \$ - | \$ - | \$ - |
| Cold Water Pipe Fittings | | | | | | | | | |
| Elbow | | | | | | | | | |
| 33 | 1/2" Dia Cold Water Pipe 90 Deg Elbow | EA | 32 | 0% | 32 | \$ - | \$ - | \$ - | \$ - |
| 34 | 3/4" Dia Cold Water Pipe 90 Deg Elbow | EA | 21 | 0% | 21 | \$ - | \$ - | \$ - | \$ - |
| 35 | 1" Dia Cold Water Pipe 90 Deg Elbow | EA | 14 | 0% | 14 | \$ - | \$ - | \$ - | \$ - |
| 36 | 1-1/4" Dia Cold Water Pipe 90 Deg Elbow | EA | 6 | 0% | 6 | \$ - | \$ - | \$ - | \$ - |
| 37 | 1-1/2" Dia Cold Water Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 38 | 2-1/2" Dia Cold Water Pipe 90 Deg Elbow | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| Tee | | | | | | | | | |
| 39 | 1/2" Dia Cold Water Pipe Tee | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 40 | 3/4" Dia Cold Water Pipe Tee | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 41 | 1" Dia Cold Water Pipe Tee | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 42 | 3/4" / 1/2" Dia Cold Water Pipe Tee | EA | 5 | 0% | 5 | \$ - | \$ - | \$ - | \$ - |
| 43 | 1" / 1/2" Dia Cold Water Pipe Tee | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 44 | 1" / 3/4" Dia Cold Water Pipe Tee | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 45 | 1-1/4" / 1/2" Dia Cold Water Pipe Tee | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 46 | 1-1/2" / 1/2" Dia Cold Water Pipe Tee | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 47 | 1-1/2" / 3/4" Dia Cold Water Pipe Tee | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |

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|------|---|------|----------|---------|------------------------|------------|-----------|-----------|----------|
| 48 | 1-1/2" / 1-1/4" Dia Cold Water Pipe Tee | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 49 | 2" / 3/4" Dia Cold Water Pipe Tee | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 50 | 2" / 1-1/2" Dia Cold Water Pipe Tee | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 51 | 2-1/2" / 1" Dia Cold Water Pipe Tee | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| | Reducer | | | | | | | | |
| 52 | 3/4" / 1/2" Dia Cold Water Pipe Reducer | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| 53 | 1" / 3/4" Dia Cold Water Pipe Reducer | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 54 | 1-1/4" / 3/4" Dia Cold Water Pipe Reducer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 55 | 1-1/2" / 3/4" Dia Cold Water Pipe Reducer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 56 | 1-1/2" / 1" Dia Cold Water Pipe Reducer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 57 | 1-1/2" / 1-1/4" Dia Cold Water Pipe Reducer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 58 | 2" / 1-1/2" Dia Cold Water Pipe Reducer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 59 | 2-1/2" / 2" Dia Cold Water Pipe Reducer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| | Hot Water Pipe | | | | | | | | |
| | Type L Hard Drawn Copper W/ Wrought Copper Fittings | | | | | | | | |
| 60 | 1/2" Dia Hot Water Pipe | LF | 76 | 10% | 84 | \$ - | \$ - | \$ - | \$ - |
| 61 | 3/4" Dia Hot Water Pipe | LF | 109 | 10% | 120 | \$ - | \$ - | \$ - | \$ - |
| 62 | 1" Dia Hot Water Pipe | LF | 60 | 10% | 66 | \$ - | \$ - | \$ - | \$ - |
| | Insulation | | | | | | | | |
| | 1" Thick Noncombustible, Performed, Fiberglass Pipe Insulation W/ A Conductivity, K-Value, Of 0.27 A 75 F, With Kraft Reinforced Foil Vapor Barrier W/ Self Adhesive Joints. | | | | | | | | |
| 63 | 1/2" Dia Hot Water Pipe | LF | 76 | 10% | 84 | \$ - | \$ - | \$ - | \$ - |
| 64 | 3/4" Dia Hot Water Pipe | LF | 109 | 10% | 120 | \$ - | \$ - | \$ - | \$ - |
| 65 | 1" Dia Hot Water Pipe | LF | 60 | 10% | 66 | \$ - | \$ - | \$ - | \$ - |
| | Hot Water Pipe Fittings | | | | | | | | |
| | Elbow | | | | | | | | |
| 66 | 1/2" Dia Hot Water Pipe 90 Deg Elbow | EA | 19 | 0% | 19 | \$ - | \$ - | \$ - | \$ - |
| 67 | 3/4" Dia Hot Water Pipe 90 Deg Elbow | EA | 8 | 0% | 8 | \$ - | \$ - | \$ - | \$ - |
| 68 | 1" Dia Hot Water Pipe 90 Deg Elbow | EA | 8 | 0% | 8 | \$ - | \$ - | \$ - | \$ - |
| | Tee | | | | | | | | |
| 69 | 1/2" Dia Hot Water Pipe Tee | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 70 | 3/4" / 1/2" Dia Hot Water Pipe Tee | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 71 | 1" / 1/2" Dia Hot Water Pipe Tee | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 72 | 1" / 3/4" Dia Hot Water Pipe Tee | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| | Reducer | | | | | | | | |
| 73 | 1" / 1/2" Dia Hot Water Pipe Reducer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| | Hot Water Return Pipe | | | | | | | | |
| | Type L Hard Drawn Copper W/ Wrought Copper Fittings | | | | | | | | |
| 74 | 1/2" Dia Hot Water Return Pipe | LF | 53 | 10% | 58 | \$ - | \$ - | \$ - | \$ - |
| | Insulation | | | | | | | | |
| | 1" Thick Noncombustible, Performed, Fiberglass Pipe Insulation W/ A Conductivity, K-Value, Of 0.27 A 75 F, With Kraft Reinforced Foil Vapor Barrier W/ Self Adhesive Joints. | | | | | | | | |
| 75 | 1/2" Dia Hot Water Return Pipe | LF | 53 | 10% | 58 | \$ - | \$ - | \$ - | \$ - |
| | Hot Water Return Pipe Fittings | | | | | | | | |
| | Elbow | | | | | | | | |
| 76 | 1/2" Dia Hot Water Return Pipe 90 Deg Elbow | EA | 10 | 0% | 10 | \$ - | \$ - | \$ - | \$ - |
| | Gas Pipe Underground | | | | | | | | |
| | Sch 40 Black Steel | | | | | | | | |
| 77 | 2" Dia Gas Pipe | LF | 7 | 10% | 8 | \$ - | \$ - | \$ - | \$ - |
| | Sch 40 Black Steel, W/ Class 150 Black Malleable Iron Screwed Fittings | | | | | | | | |
| 78 | 3" Dia Gas Pipe | LF | 400 | 10% | 440 | \$ - | \$ - | \$ - | \$ - |
| | Gas Pipe Fittings | | | | | | | | |
| | Elbow | | | | | | | | |
| 79 | 2" Dia Gas Pipe 90 Deg Elbow | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 80 | 3" Dia Gas Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| | Reducer | | | | | | | | |
| 81 | 3" / 2" Dia Gas Pipe Reducer | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| | Gas Pipe | | | | | | | | |
| | Sch 40 Black Steel | | | | | | | | |
| 82 | 3/4" Dia Gas Pipe | LF | 183 | 10% | 202 | \$ - | \$ - | \$ - | \$ - |
| 83 | 1" Dia Gas Pipe | LF | 180 | 10% | 198 | \$ - | \$ - | \$ - | \$ - |
| 84 | 1-1/4" Dia Gas Pipe | LF | 19 | 10% | 21 | \$ - | \$ - | \$ - | \$ - |
| 85 | 1-1/2" Dia Gas Pipe | LF | 98 | 10% | 108 | \$ - | \$ - | \$ - | \$ - |
| 86 | 2" Dia Gas Pipe | LF | 26 | 10% | 29 | \$ - | \$ - | \$ - | \$ - |

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|------|---|------|----------|---------|------------------------|------------|-----------|-----------|----------|
| | Cast Iron No Hub Coupling | | | | | | | | |
| 135 | 1-1/2" Dia Vent Pipe | LF | 12 | 10% | 13 | \$ - | \$ - | \$ - | \$ - |
| 136 | 2" Dia Vent Pipe | LF | 101 | 10% | 111 | \$ - | \$ - | \$ - | \$ - |
| | Vent Pipe Fittings | | | | | | | | |
| | Elbow | | | | | | | | |
| 137 | 1-1/2" Dia Vent Pipe 90 Deg Elbow | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 138 | 2" Dia Vent Pipe 90 Deg Elbow | EA | 34 | 0% | 34 | \$ - | \$ - | \$ - | \$ - |
| | Vent Pipe | | | | | | | | |
| | Cast Iron No Hub Coupling | | | | | | | | |
| 139 | 1-1/4" Dia Vent Pipe | LF | 10 | 10% | 11 | \$ - | \$ - | \$ - | \$ - |
| 140 | 1-1/2" Dia Vent Pipe | LF | 119 | 10% | 131 | \$ - | \$ - | \$ - | \$ - |
| 141 | 2" Dia Vent Pipe | LF | 226 | 10% | 249 | \$ - | \$ - | \$ - | \$ - |
| 142 | 3" Dia Vent Pipe | LF | 10 | 10% | 11 | \$ - | \$ - | \$ - | \$ - |
| | Vent Pipe Fittings | | | | | | | | |
| | Elbow | | | | | | | | |
| 143 | 1-1/4" Dia Vent Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 144 | 1-1/2" Dia Vent Pipe 90 Deg Elbow | EA | 18 | 0% | 18 | \$ - | \$ - | \$ - | \$ - |
| 145 | 2" Dia Vent Pipe 90 Deg Elbow | EA | 14 | 0% | 14 | \$ - | \$ - | \$ - | \$ - |
| 146 | 3" Dia Vent Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| | Tee | | | | | | | | |
| 147 | 1-1/2" Dia Vent Pipe Tee | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 148 | 2" / 1-1/2" Dia Vent Pipe Tee | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| 149 | 2" Dia Vent Pipe Tee | EA | 10 | 0% | 10 | \$ - | \$ - | \$ - | \$ - |
| | Reducer | | | | | | | | |
| 150 | 2" / 1-1/4" Dia Vent Pipe Reducer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 151 | 2" / 1-1/2" Dia Vent Pipe Reducer | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 152 | 3" / 2" Dia Vent Pipe Reducer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| | Condensate Drain Pipe | | | | | | | | |
| | Type M Hard Drawn Copper W/ Wrought Copper Fittings, Soldered W/ Brazed With Silver Based Filler Material. | | | | | | | | |
| 153 | 3/4" Dia Condensate Drain Pipe | LF | 88 | 10% | 97 | \$ - | \$ - | \$ - | \$ - |
| 154 | 1" Dia Condensate Drain | LF | 305 | 10% | 335 | \$ - | \$ - | \$ - | \$ - |
| 155 | 1-1/4" Dia Condensate Drain Pipe | LF | 54 | 10% | 60 | \$ - | \$ - | \$ - | \$ - |
| | Insulation | | | | | | | | |
| | 1" Thick Noncombustible, Performed, Fiberglass Pipe Insulation W/ A Conductivity, K-Value, Of 0.27 A 75 F, With Kraft Reinforced Foil Vapor Barrier W/ Self Adhesive Joints. | | | | | | | | |
| 156 | 3/4" Dia Condensate Drain Pipe | LF | 88 | 10% | 97 | \$ - | \$ - | \$ - | \$ - |
| 157 | 1" Dia Condensate Drain | LF | 305 | 10% | 335 | \$ - | \$ - | \$ - | \$ - |
| 158 | 1-1/4" Dia Condensate Drain Pipe | LF | 54 | 10% | 60 | \$ - | \$ - | \$ - | \$ - |
| | Condensate Drain Pipe Fittings | | | | | | | | |
| | Elbow | | | | | | | | |
| 159 | 3/4" Dia Condensate Drain Pipe 90 Deg Elbow | EA | 6 | 0% | 6 | \$ - | \$ - | \$ - | \$ - |
| 160 | 1" Dia Condensate Drain Pipe 90 Deg Elbow | EA | 13 | 0% | 13 | \$ - | \$ - | \$ - | \$ - |
| 161 | 1-1/4" Dia Condensate Drain Pipe 90 Deg Elbow | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 162 | 3/4" Dia Condensate Drain Pipe 45 Deg Elbow | EA | 6 | 0% | 6 | \$ - | \$ - | \$ - | \$ - |
| 163 | 1" Dia Condensate Drain Pipe 45 Deg Elbow | EA | 7 | 0% | 7 | \$ - | \$ - | \$ - | \$ - |
| | Tee | | | | | | | | |
| 164 | 3/4" Dia Condensate Drain Pipe Tee | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 165 | 1" Dia Condensate Drain Tee | EA | 6 | 0% | 6 | \$ - | \$ - | \$ - | \$ - |
| 166 | 1" / 3/4" Dia Condensate Drain Pipe Tee | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 167 | 1-1/4" / 1" Dia Condensate Drain Pipe Tee | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| | Reducer | | | | | | | | |
| 168 | 1" / 3/4" Dia Condensate Drain Pipe Reducer | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 169 | 1-1/4" / 1" Dia Condensate Drain Pipe Reducer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| | Drain & Cleanouts | | | | | | | | |
| 170 | 4" Dia FS, Floor Sink, JAY R. SMITH JRS-325. | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 171 | 4" Dia RD, Roof Drain, ZURN MODEL ZC100-NH-C 15" | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| 172 | 4" Dia ORD, Overflow Roof Drain, ZURN MODEL ZC10 | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| 173 | 4" Dia TD-1, Trench Drain, ZURN MODEL ZA-880-300. | EA | 5 | 0% | 5 | \$ - | \$ - | \$ - | \$ - |
| 174 | 3/4" Dia CO, Cleanout (Interior), JAY R.SMITH 442. | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 175 | 1" Dia CO, Cleanout (Interior), JAY R.SMITH 442. | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 176 | 2" Dia CO, Cleanout (Interior), JAY R.SMITH 442. | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 177 | 4" Dia CO, Cleanout (Interior), JAY R.SMITH 4120. | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 178 | 4" Dia COTG, Cleanout (Exterior), JAY R.SMITH 4880. | EA | 10 | 0% | 10 | \$ - | \$ - | \$ - | \$ - |
| 179 | 4" Dia COTG, Cleanout (Exterior 2-Way), JAY R.SMITH | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 180 | 4" Dia Downspout, JR SMITH FIGURE 1770-NB, Nickle | EA | 8 | 0% | 8 | \$ - | \$ - | \$ - | \$ - |
| | Plumbing Fixtures | | | | | | | | |
| 181 | WC-1, Water Closet, SLOAN WETS-8029-8110-2SG, | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |

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|---|--|------|----------|---------|------------------------|------------|-----------|-----------|----------|
| 182 | U-1, Urinal, AMERICAN STANDARD CADET #6601.012 | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 183 | LAV-1, Lavatory, AMERICAN STANDARD LUCERN Wal | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 184 | S-1, Sink, ELKAY GOURMET MODEL BLR15, COUNTER | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 185 | KS-1, Kitchen Sink, ELKAY LUSTERTONE MODEL LRAD3 | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 186 | EWS-1, Emergency Eye Wash | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 187 | DF-1, Drinking Fountain, ELKAY MODEL LVRCHDTL8SC. | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 188 | RB-1, Refrigerator Wall Box, SIOUX CHIEF OX BOX Ice | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 189 | Ice Maker | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 190 | Pressure Washer (Owner Provide) | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| Pumps | | | | | | | | | |
| 191 | CP-1, Circulation Pump, TACO 0011-SF4, 5 GPM. | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| Interceptors | | | | | | | | | |
| 192 | SB-1, Sample Box | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 193 | SOI-1, Sand/ Oil Interceptor, 500 Gallon, Box Design | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| MISC. | | | | | | | | | |
| 194 | 3" Dia Gas Meter | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 195 | 3/4" Dia HB, Hose Bibb, ZURN MODEL Z1341-P34, Hd | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| 196 | 1" Dia HB, Wash Bay Hose Bibb, ZURN MODEL Z1341 | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 197 | 1" Dia Utility Stub | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 198 | 1/2" Dia NSF 12 Backflow Preventer Assembly | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 199 | 1" Dia Accessible Shut-Off Valve | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 200 | 2" Dia Accessible Gas Shut-Off Valve | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 201 | 3" Dia Accessible Gas Shut-Off Valve | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 202 | 2-1/2" Dia Gate Valve | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 203 | 1-1/2" Dia VTR, Vent Through Roof | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 204 | 2" Dia VTR, Vent Through Roof | EA | 6 | 0% | 6 | \$ - | \$ - | \$ - | \$ - |
| 205 | 3" Dia VTR, Vent Through Roof | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| Hot Water Heater | | | | | | | | | |
| 206 | WH-1, Gas Fired Tank Water Heater, AO SMITH GDH | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| Tank | | | | | | | | | |
| Water Heater Accessories | | | | | | | | | |
| 207 | 1" Dia Check Valve | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 208 | 1" Dia Dirt Leg | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 209 | 1" Dia Gas Cock | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 210 | 1" Dia Shut-Off Valve | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 211 | 1" Dia Union | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| 212 | 1/2" Dia Balancing Valve Assembly | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 213 | 1/2" Dia Check Valve | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 214 | 1/2" Dia Flexible Connection | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 215 | 1/2" Dia Pressure And Temperature Relief Valve | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 216 | 1/2" Dia Shut-Off Valve | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 217 | 1/2" Dia Strainer | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 218 | 3" Wide 16 Gauge Galvanized Sheet Metal Seismic S | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 219 | Secondary Drain Pan | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 220 | ET-1, Expansion Tank, AMTROL ST-20VC, Furnished W/ | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| Lavatory Accessories | | | | | | | | | |
| 221 | 1/2" Dia Compression Fitting | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |
| 222 | 1/2" Dia Inline Check Valve | EA | 12 | 0% | 12 | \$ - | \$ - | \$ - | \$ - |
| 223 | 1/2" Dia Mixing Valve, ACORN TMV-1 ST70. Set To D | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| Gas Connection Detail (For Roof Top Units) | | | | | | | | | |
| 224 | 1" Dia Cap | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |
| 225 | 1" Dia Gas Cock | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |
| 226 | 1" Dia Ground Joint Union W/ Brass Seat | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |
| 227 | 1" Dia Nipple | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |
| 228 | 1" Dia Plugged 1/8" NPT Test Gage Connection | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |
| 229 | 1" Dia Tee Fitting | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |
| No Hub Couplings | | | | | | | | | |
| 230 | 1-1/4" Dia Coupling | EA | 7 | 0% | 7 | \$ - | \$ - | \$ - | \$ - |
| 231 | 1-1/2" Dia Coupling | EA | 65 | 0% | 65 | \$ - | \$ - | \$ - | \$ - |
| 232 | 2" Dia Coupling | EA | 288 | 0% | 288 | \$ - | \$ - | \$ - | \$ - |
| 233 | 3" Dia Coupling | EA | 17 | 0% | 17 | \$ - | \$ - | \$ - | \$ - |
| 234 | 4" Dia Coupling | EA | 246 | 0% | 246 | \$ - | \$ - | \$ - | \$ - |
| Pipe Support | | | | | | | | | |
| 235 | 1/2" Dia Adjustable Clevis Hanger | EA | 42 | 0% | 42 | \$ - | \$ - | \$ - | \$ - |
| 236 | 3/4" Dia Adjustable Clevis Hanger | EA | 118 | 0% | 118 | \$ - | \$ - | \$ - | \$ - |
| 237 | 1" Dia Adjustable Clevis Hanger | EA | 107 | 0% | 107 | \$ - | \$ - | \$ - | \$ - |
| 238 | 1-1/4" Dia Adjustable Clevis Hanger | EA | 15 | 0% | 15 | \$ - | \$ - | \$ - | \$ - |
| 239 | 1-1/2" Dia Adjustable Clevis Hanger | EA | 41 | 0% | 41 | \$ - | \$ - | \$ - | \$ - |
| 240 | 2" Dia Adjustable Clevis Hanger | EA | 28 | 0% | 28 | \$ - | \$ - | \$ - | \$ - |
| 241 | 2-1/2" Dia Adjustable Clevis Hanger | EA | 6 | 0% | 6 | \$ - | \$ - | \$ - | \$ - |

BREAKDOWN OF ITEMS

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| SR # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|--|--|------|----------|---------|------------------------|------------|-----------|-----------|----------|
| 242 | 3" Dia Adjustable Clevis Hanger | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 243 | 4" Dia Adjustable Clevis Hanger | EA | 28 | 0% | 28 | \$ - | \$ - | \$ - | \$ - |
| 244 | 1/2" Dia Threaded Rod (1 Ea = 1 FT) | EA | 323 | 0% | 323 | \$ - | \$ - | \$ - | \$ - |
| 245 | 3/8" Dia Threaded Rod (1 Ea = 1 FT) | EA | 63 | 0% | 63 | \$ - | \$ - | \$ - | \$ - |
| SUBTOTAL \$ | | | | | | | | | - |
| HVAC | | | | | | | | | |
| Compressed Air Pipe | | | | | | | | | |
| Type L Copper W/ Brazed Fittings | | | | | | | | | |
| 246 | 1/2" Dia Compressed Air Pipe | LF | 137 | 10% | 150 | \$ - | \$ - | \$ - | \$ - |
| 247 | 2" Dia Compressed Air Pipe | LF | 214 | 10% | 236 | \$ - | \$ - | \$ - | \$ - |
| Compressed Air Pipe Fittings | | | | | | | | | |
| Elbow | | | | | | | | | |
| 248 | 1/2" Dia Compressed Air Pipe 90 Deg Elbow | EA | 26 | 0% | 26 | \$ - | \$ - | \$ - | \$ - |
| 249 | 2" Dia Compressed Air Pipe 90 Deg Elbow | EA | 10 | 0% | 10 | \$ - | \$ - | \$ - | \$ - |
| Tee | | | | | | | | | |
| 250 | 2" Dia Compressed Air Pipe Tee | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 251 | 2" / 1/2" Dia Compressed Air Pipe Tee | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |
| Reducer | | | | | | | | | |
| 252 | 2" / 1/2" Dia Compressed Air Pipe Reducer | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| Refrigerant Pipe | | | | | | | | | |
| 253 | 3/8" Dia Refrigeration Liquid Pipe | LF | 10 | 10% | 11 | \$ - | \$ - | \$ - | \$ - |
| 254 | 5/8" Dia Refrigeration Suction Pipe | LF | 10 | 10% | 11 | \$ - | \$ - | \$ - | \$ - |
| Insulation | | | | | | | | | |
| 1/2" Thick Fiberglass Pipe Insulation | | | | | | | | | |
| 255 | 3/8" Dia Refrigeration Liquid Pipe | LF | 10 | 10% | 11 | \$ - | \$ - | \$ - | \$ - |
| 256 | 5/8" Dia Refrigeration Suction Pipe | LF | 10 | 10% | 11 | \$ - | \$ - | \$ - | \$ - |
| Refrigerant Pipe Fittings | | | | | | | | | |
| Elbow | | | | | | | | | |
| 257 | 3/8" Dia Refrigeration Liquid Pipe 90 Deg Elbow | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| 258 | 5/8" Dia Refrigeration Suction Pipe 90 Deg Elbow | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| Condensate Drain Pipe | | | | | | | | | |
| 259 | 1/2" Dia Condensate Drain Pipe | LF | 20 | 10% | 22 | \$ - | \$ - | \$ - | \$ - |
| Insulation | | | | | | | | | |
| 1/2" Thick Fiberglass Pipe Insulation | | | | | | | | | |
| 260 | 1/2" Dia Condensate Drain Pipe | LF | 20 | 10% | 22 | \$ - | \$ - | \$ - | \$ - |
| Condensate Drain Pipe Fittings | | | | | | | | | |
| Elbow | | | | | | | | | |
| 261 | 1/2" Dia Condensate Drain Pipe 90 Deg Elbow | EA | 5 | 0% | 5 | \$ - | \$ - | \$ - | \$ - |
| Air Devices | | | | | | | | | |
| 262 | 1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum | EA | 7 | 0% | 7 | \$ - | \$ - | \$ - | \$ - |
| 263 | 1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum | EA | 6 | 0% | 6 | \$ - | \$ - | \$ - | \$ - |
| 264 | 1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 265 | 1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |
| 266 | 1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 267 | 2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 268 | 2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 269 | 2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 270 | 2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 271 | 2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 272 | 2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 273 | 2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 274 | 2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim | EA | 8 | 0% | 8 | \$ - | \$ - | \$ - | \$ - |
| 275 | 2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 276 | 2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| 277 | 1, Return Grille, TITUS PAR, Material Aluminum, Trim: T- | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 278 | 1, Return Grille, TITUS PAR, Material Aluminum, Trim: T- | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 279 | 1, Return Grille, TITUS PAR, Material Aluminum, Trim: T- | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 280 | 1, Return Grille, TITUS PAR, Material Aluminum, Trim: T- | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| 281 | 1, Return Grille, TITUS PAR, Material Aluminum, Trim: T- | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 282 | 1, Return Grille, TITUS PAR, Material Aluminum, Trim: T- | EA | 7 | 0% | 7 | \$ - | \$ - | \$ - | \$ - |
| 283 | 1, Return Grille, TITUS PAR, Material Aluminum, Trim: T- | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 284 | 2, Return Grille, TITUS 50F, Material Aluminum, Trim: G | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 285 | Fabricated, 4-Way Throw Diffuser, 26"x26" Neck Size | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| Roof Top Unit | | | | | | | | | |
| 286 | RTU-1, Roof Top Unit, DAIKIN DBG0364BH00029C3, T | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 287 | RTU-2, Roof Top Unit, DAIKIN DBG048BH00016C4, T | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 288 | RTU-3, Roof Top Unit, DAIKIN DBG0604BH00008C5, T | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 289 | RTU-4, Roof Top Unit, DAIKIN DBG0604BH00008C5, T | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 290 | RTU-5, Roof Top Unit, DAIKIN DBG048BH00016C4, T | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |

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|------|---|------|----------|---------|------------------------|------------|-----------|-----------|----------|
| | Conduit | | | | | | | | |
| 382 | 3/4" EMT Conduit | LF | 5142 | 10% | 5656 | \$ - | \$ - | \$ - | \$ - |
| 383 | 1" EMT Conduit | LF | 415 | 10% | 457 | \$ - | \$ - | \$ - | \$ - |
| 384 | 3/4" PVC SCH 40 Conduit | LF | 18 | 10% | 20 | \$ - | \$ - | \$ - | \$ - |
| 385 | 3/4" RGS Conduit | LF | 65 | 10% | 72 | \$ - | \$ - | \$ - | \$ - |
| 386 | 1" RGS Conduit | LF | 50 | 10% | 55 | \$ - | \$ - | \$ - | \$ - |
| | Conductor | | | | | | | | |
| 387 | #12 CU THHN/THWN | LF | 13755 | 10% | 15131 | \$ - | \$ - | \$ - | \$ - |
| 388 | #10 CU THHN/THWN | LF | 2248 | 10% | 2473 | \$ - | \$ - | \$ - | \$ - |
| 389 | #8 CU THHN/THWN | LF | 993 | 10% | 1092 | \$ - | \$ - | \$ - | \$ - |
| 390 | #6 CU THHN/THWN | LF | 532 | 10% | 585 | \$ - | \$ - | \$ - | \$ - |
| | Device | | | | | | | | |
| 391 | Duplex Receptacle | EA | 45 | 0% | 45 | \$ - | \$ - | \$ - | \$ - |
| 392 | Duplex Receptacle, Floor Mounted | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 393 | Duplex Receptacle, GFCI | EA | 26 | 0% | 26 | \$ - | \$ - | \$ - | \$ - |
| 394 | Equipment Connection | EA | 16 | 0% | 16 | \$ - | \$ - | \$ - | \$ - |
| 395 | Motor Connection | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 396 | Quad Receptacle | EA | 6 | 0% | 6 | \$ - | \$ - | \$ - | \$ - |
| 397 | Single Pole Switch | EA | 19 | 0% | 19 | \$ - | \$ - | \$ - | \$ - |
| | Site Lighting | | | | | | | | |
| | Conduit | | | | | | | | |
| 398 | 1" EMT Conduit | LF | 507 | 10% | 558 | \$ - | \$ - | \$ - | \$ - |
| 399 | 1" PVC SCH 40 Conduit | LF | 361 | 10% | 398 | \$ - | \$ - | \$ - | \$ - |
| | Conductor | | | | | | | | |
| 400 | #10 CU THHN/THWN | LF | 868 | 10% | 955 | \$ - | \$ - | \$ - | \$ - |
| 401 | #8 CU THHN/THWN | LF | 1736 | 10% | 1910 | \$ - | \$ - | \$ - | \$ - |
| | Lighting Fixtures | | | | | | | | |
| 402 | Exterior Wall Scone Light | EA | 16 | 0% | 16 | \$ - | \$ - | \$ - | \$ - |
| 403 | Pole Mounted Light, Single Head | EA | 11 | 0% | 11 | \$ - | \$ - | \$ - | \$ - |
| | 30' Steel Round Pole | EA | 11 | 0% | 11 | \$ - | \$ - | \$ - | \$ - |
| | Concrete Base | EA | 11 | 0% | 11 | \$ - | \$ - | \$ - | \$ - |
| | Lighting | | | | | | | | |
| | Conduit | | | | | | | | |
| 404 | 3/4" EMT Conduit | LF | 4977 | 10% | 5475 | \$ - | \$ - | \$ - | \$ - |
| 405 | 1" EMT Conduit | LF | 1100 | 10% | 1210 | \$ - | \$ - | \$ - | \$ - |
| | Conductor | | | | | | | | |
| 406 | 3#12 MC Cable | LF | 2531 | 10% | 2784 | \$ - | \$ - | \$ - | \$ - |
| 407 | 3#10 MC Cable | LF | 830 | 10% | 913 | \$ - | \$ - | \$ - | \$ - |
| 408 | #12 CU THHN/THWN | LF | 9909 | 10% | 10900 | \$ - | \$ - | \$ - | \$ - |
| 409 | #10 CU THHN/THWN | LF | 5024 | 10% | 5526 | \$ - | \$ - | \$ - | \$ - |
| 410 | #8 CU THHN/THWN | LF | 750 | 10% | 825 | \$ - | \$ - | \$ - | \$ - |
| | Lighting Fixtures | | | | | | | | |
| 411 | 2 x 4 Recessed Emergency Light | EA | 42 | 0% | 42 | \$ - | \$ - | \$ - | \$ - |
| 412 | 2 x 4 Recessed Emergency Light For Tenant Space | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 413 | 2 x 4 Recessed Light | EA | 102 | 0% | 102 | \$ - | \$ - | \$ - | \$ - |
| 414 | 2 x 4 Recessed Light For Tenant Space | EA | 13 | 0% | 13 | \$ - | \$ - | \$ - | \$ - |
| 415 | Elevator Pit Light | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 416 | Exit Light | EA | 20 | 0% | 20 | \$ - | \$ - | \$ - | \$ - |
| 417 | Lobby Recessed Light | EA | 5 | 0% | 5 | \$ - | \$ - | \$ - | \$ - |
| 418 | Pendant Light | EA | 7 | 0% | 7 | \$ - | \$ - | \$ - | \$ - |
| 419 | Wall Mounted Light | EA | 12 | 0% | 12 | \$ - | \$ - | \$ - | \$ - |
| 420 | 2X2 Chain Hanger Type Light Fixture | EA | 15 | 0% | 15 | \$ - | \$ - | \$ - | \$ - |
| 421 | 2X4 Chain Hanger Type Emergency Light | EA | 10 | 0% | 10 | \$ - | \$ - | \$ - | \$ - |
| 422 | 2X4 Chain Hanger Type Light Fixture | EA | 58 | 0% | 58 | \$ - | \$ - | \$ - | \$ - |
| 423 | 6" Recessed Downlight | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |
| 424 | Emergency Stair Light | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| | Lighting Control | | | | | | | | |
| 425 | 3 Way Switch | EA | 12 | 0% | 12 | \$ - | \$ - | \$ - | \$ - |
| 426 | Dimmer Switch | EA | 44 | 0% | 44 | \$ - | \$ - | \$ - | \$ - |
| 427 | Occupancy Sensor | EA | 46 | 0% | 46 | \$ - | \$ - | \$ - | \$ - |
| 428 | Single Pole Switch | EA | 31 | 0% | 31 | \$ - | \$ - | \$ - | \$ - |
| 429 | Photocell | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 430 | Time Clock | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| | Fire Alarm | | | | | | | | |
| | Conduit | | | | | | | | |
| 431 | 3/4" EMT Conduit | LF | 1316 | 10% | 1448 | \$ - | \$ - | \$ - | \$ - |
| | Conductor | | | | | | | | |
| 432 | #16 CU THHN/THWN | LF | 1711 | 10% | 1882 | \$ - | \$ - | \$ - | \$ - |
| 433 | #14 CU THHN/THWN | LF | 922 | 10% | 1014 | \$ - | \$ - | \$ - | \$ - |
| | Device | | | | | | | | |
| 434 | Fire Alarm Annunciator Panel | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 435 | Fire Alarm Control Panel | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 436 | Horn/Strobe | EA | 9 | 0% | 9 | \$ - | \$ - | \$ - | \$ - |

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|------|---|------|----------|---------|------------------------|------------|-----------|-----------|----------|
| 437 | Pull Station | EA | 7 | 0% | 7 | \$ - | \$ - | \$ - | \$ - |
| 438 | Smoke Detector | EA | 39 | 0% | 39 | \$ - | \$ - | \$ - | \$ - |
| 439 | Tamper Switch | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 440 | Flow Switch | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| | Low Voltage | | | | | | | | |
| | Conduit | | | | | | | | |
| 441 | 3/4" EMT Conduit | LF | 1732 | 10% | 1905 | \$ - | \$ - | \$ - | \$ - |
| 442 | 2" EMT Conduit With Pull String | LF | 357 | 10% | 393 | \$ - | \$ - | \$ - | \$ - |
| | Conductor | | | | | | | | |
| 443 | #18 CU THHN/THWN | LF | 1478 | 10% | 1626 | \$ - | \$ - | \$ - | \$ - |
| 444 | #14 CU THHN/THWN | LF | 1986 | 10% | 2185 | \$ - | \$ - | \$ - | \$ - |
| | Device | | | | | | | | |
| 445 | Door Chime | EA | 21 | 0% | 21 | \$ - | \$ - | \$ - | \$ - |
| 446 | Low Voltage Transformer | EA | 21 | 0% | 21 | \$ - | \$ - | \$ - | \$ - |
| 447 | Push Button For Door Chime | EA | 21 | 0% | 21 | \$ - | \$ - | \$ - | \$ - |
| | Telecom | | | | | | | | |
| | Conduit | | | | | | | | |
| 448 | 3/4" EMT Conduit | LF | 1100 | 10% | 1210 | \$ - | \$ - | \$ - | \$ - |
| 449 | 2" EMT Conduit | LF | 648 | 10% | 713 | \$ - | \$ - | \$ - | \$ - |
| 450 | 2" PVC SCH 40 Conduit | LF | 842 | 10% | 926 | \$ - | \$ - | \$ - | \$ - |
| | J-Hooks | | | | | | | | |
| 451 | 2" J-Hooks | EA | 86 | 0% | 86 | \$ - | \$ - | \$ - | \$ - |
| | Conductor | | | | | | | | |
| 452 | CAT6 Plenum Rated Cable | LF | 6531 | 10% | 7184 | \$ - | \$ - | \$ - | \$ - |
| 453 | Fiber Optical Cable | LF | 745 | 10% | 820 | \$ - | \$ - | \$ - | \$ - |
| 454 | RG11 Cable | LF | 745 | 10% | 820 | \$ - | \$ - | \$ - | \$ - |
| 455 | Quad-Shield CMP-Rated RG6 COAX Cable | LF | 2178 | 10% | 2396 | \$ - | \$ - | \$ - | \$ - |
| | Device | | | | | | | | |
| 456 | 4' x 3/4" Fire Retardant Plywood Backboard | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 457 | AT&T Pedestal | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| 458 | CATV Outlet With Two Gang Junction Box, Mud Ring | EA | 31 | 0% | 31 | \$ - | \$ - | \$ - | \$ - |
| | F-Connectors | | | | | | | | |
| 459 | Combination Tele/Data Outlet | EA | 4 | 0% | 4 | \$ - | \$ - | \$ - | \$ - |
| | Jacks | | | | | | | | |
| 460 | Telecom Main Point Of Connection | EA | 6 | 0% | 6 | \$ - | \$ - | \$ - | \$ - |
| 461 | Telecommunication Outlet With Two Gang Junction Box, Mud Ring | EA | 28 | 0% | 28 | \$ - | \$ - | \$ - | \$ - |
| | Jacks | | | | | | | | |
| | Audio/Visual | | | | | | | | |
| | Conduit | | | | | | | | |
| 462 | 1/2" EMT Conduit | LF | 80 | 10% | 88 | \$ - | \$ - | \$ - | \$ - |
| 463 | 3/4" EMT Conduit | LF | 90 | 10% | 99 | \$ - | \$ - | \$ - | \$ - |
| | Conductor | | | | | | | | |
| 464 | #24 THHW/THWN | LF | 160 | 10% | 176 | \$ - | \$ - | \$ - | \$ - |
| 465 | #18 THHW/THWN | LF | 210 | 10% | 231 | \$ - | \$ - | \$ - | \$ - |
| | Device | | | | | | | | |
| 466 | Speakers, Ceiling Mounted | EA | 10 | 0% | 10 | \$ - | \$ - | \$ - | \$ - |
| 467 | Speakers, Wall Mounted | EA | 16 | 0% | 16 | \$ - | \$ - | \$ - | \$ - |
| 468 | Amplifier | EA | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - |
| | Security | | | | | | | | |
| | Conduit | | | | | | | | |
| 469 | 3/4" EMT Conduit | LF | 933 | 10% | 1026 | \$ - | \$ - | \$ - | \$ - |
| 470 | 3/4" PVC SCH 40 Conduit | LF | 1059 | 10% | 1165 | \$ - | \$ - | \$ - | \$ - |
| | J-Hooks | | | | | | | | |
| 471 | 2" J-Hooks | EA | 90 | 0% | 90 | \$ - | \$ - | \$ - | \$ - |
| | Conductor | | | | | | | | |
| 472 | CAT6 Cable | LF | 5885 | 10% | 6474 | \$ - | \$ - | \$ - | \$ - |
| | Device | | | | | | | | |
| 473 | Exterior Camera | EA | 27 | 0% | 27 | \$ - | \$ - | \$ - | \$ - |
| 474 | Interior Camera | EA | 16 | 0% | 16 | \$ - | \$ - | \$ - | \$ - |
| 475 | Dome Camera | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| 476 | PTZ Camera | EA | 2 | 0% | 2 | \$ - | \$ - | \$ - | \$ - |
| | Nurse Call System | | | | | | | | |
| | Conduit | | | | | | | | |
| 477 | 3/4" EMT Conduit | LF | 315 | 10% | 347 | \$ - | \$ - | \$ - | \$ - |
| | Conductor | | | | | | | | |
| 478 | #16 THHN/THWN | LF | 685 | 10% | 754 | \$ - | \$ - | \$ - | \$ - |
| 479 | #14 THHN/THWN | LF | 856 | 10% | 942 | \$ - | \$ - | \$ - | \$ - |
| | Device | | | | | | | | |
| 480 | Duty Staff Nurse Call Station, Provide Rough In Box | EA | 3 | 0% | 3 | \$ - | \$ - | \$ - | \$ - |
| 481 | Nurse Call Cord Oull Station, Provide 4/S Rough In Box | EA | 18 | 0% | 18 | \$ - | \$ - | \$ - | \$ - |

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope: **MEP**



Date:

| SR # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST | |
|------------------------------------|--|------|----------|---------|------------------------|------------|-----------------------|-----------|------------|------------|
| Miscellaneous | | | | | | | | | | |
| 482 | Junction Box | EA | 25 | 0% | 25 | \$ - | \$ - | \$ - | \$ - | |
| 483 | Junction Box (For Telecom) | EA | 10 | 0% | 10 | \$ - | \$ - | \$ - | \$ - | |
| 484 | Junction Box (For Low Voltage) | EA | 12 | 0% | 12 | \$ - | \$ - | \$ - | \$ - | |
| Fire Stopping | | | | | | | | | | |
| 485 | Caulking Sealant | LS | 1 | 0% | 1 | \$ - | \$ - | \$ - | \$ - | |
| Saw Cut | | | | | | | | | | |
| 486 | Saw Cut & Repair Concrete Floor For Conduit Installation | LF | 18 | 0% | 18 | \$ - | \$ - | \$ - | \$ - | |
| Trenching & Backfilling | | | | | | | | | | |
| 487 | Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment | CFT | 780 | 0% | 780 | \$ - | \$ - | \$ - | \$ - | |
| SUBTOTAL \$ | | | | | | | | | - | |
| | | | | | | | PROJECTED COST | | | \$0 |
| OVERHEAD AND PROFIT | | | | | | | 0.15 | 0.15 | 15% | \$0 |
| INSURANCE | | | | | | | 0 | 0 | 0% | \$0 |
| CONTINGENCY | | | | | | | 0 | 0 | 0% | \$0 |
| TAX | | | | | | | 0 | 0 | 0% | \$0 |
| SUGGESTED BID | | | | | | | | | \$0 | |

Note:

1. Please verify the equipment's and their prices with owner.
2. For tree plantation average prices are use. Please verify according to tree type.
3. Online sources are used for pricing.
4. Prices can vary depending upon field conditions.

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope: **HVAC**



Date:

| SR # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE |
|------------------------------------|--|------|----------|---------|------------------------|
| HVAC | | | | | |
| Sheet Metal Duct | | | | | |
| Galvanized Sheet Metal Duct | | | | | |
| 1 | 6" Dia Supply Air Duct | LF | 26 | 10% | 28 |
| 2 | 8" Dia Supply Air Duct | LF | 169 | 10% | 186 |
| 3 | 10" Dia Supply Air Duct | LF | 306 | 10% | 337 |
| 4 | 12" Dia Supply Air Duct | LF | 16 | 10% | 17 |
| 5 | 14" Dia Supply Air Duct | LF | 46 | 10% | 51 |
| 6 | 16" Dia Supply Air Duct | LF | 159 | 10% | 175 |
| 7 | 16"x16" Supply Air Duct (Size assumed) | LF | 29 | 10% | 32 |
| 8 | 18" Dia Supply Air Duct | LF | 34 | 10% | 37 |
| 9 | 18"x14" Supply Air Duct (Size assumed) | LF | 8 | 10% | 9 |
| 10 | 26"x26" Supply Air Duct (Service & Size assumed) | LF | 8 | 10% | 9 |
| 11 | 8" Dia Return Air Duct | LF | 15 | 10% | 16 |
| 12 | 10" Dia Return Air Duct | LF | 62 | 10% | 68 |
| 13 | 12" Dia Return Air Duct | LF | 43 | 10% | 47 |
| 14 | 14" Dia Return Air Duct | LF | 57 | 10% | 62 |
| 15 | 14"x14" Return Air Duct (Size assumed) | LF | 10 | 10% | 11 |
| 16 | 16" Dia Return Air Duct | LF | 54 | 10% | 59 |
| 17 | 18" Dia Return Air Duct | LF | 49 | 10% | 54 |
| 18 | 22"x10" Return Air Duct | LF | 4 | 10% | 5 |
| 19 | 22"x14" Return Air Duct (Size assumed) | LF | 33 | 10% | 37 |
| 20 | 6" Dia Exhaust Air Duct | LF | 18 | 10% | 19 |
| Duct Fittings | | | | | |
| Elbow | | | | | |
| 21 | 6" Dia Supply Air Duct 90 Deg Elbow | EA | 5 | 0% | 5 |
| 22 | 8" Dia Supply Air Duct 90 Deg Elbow | EA | 23 | 0% | 23 |
| 23 | 10" Dia Supply Air Duct 45 Deg Elbow | EA | 1 | 0% | 1 |
| 24 | 10" Dia Supply Air Duct 90 Deg Elbow | EA | 47 | 0% | 47 |
| 25 | 12" Dia Supply Air Duct 90 Deg Elbow | EA | 1 | 0% | 1 |
| 26 | 14" Dia Supply Air Duct 90 Deg Elbow | EA | 2 | 0% | 2 |
| 27 | 16" Dia Supply Air Duct 90 Deg Elbow | EA | 7 | 0% | 7 |
| 28 | 18" Dia Supply Air Duct 90 Deg Elbow | EA | 3 | 0% | 3 |
| 29 | 10" Dia Return Air Duct 90 Deg Elbow | EA | 6 | 0% | 6 |
| 30 | 12" Dia Return Air Duct 90 Deg Elbow | EA | 7 | 0% | 7 |
| 31 | 14" Dia Return Air Duct 90 Deg Elbow | EA | 2 | 0% | 2 |
| 32 | 16" Dia Return Air Duct 45 Deg Elbow | EA | 2 | 0% | 2 |
| 33 | 16" Dia Return Air Duct 90 Deg Elbow | EA | 6 | 0% | 6 |
| 34 | 18" Dia Return Air Duct 45 Deg Elbow | EA | 1 | 0% | 1 |
| 35 | 18" Dia Return Air Duct 90 Deg Elbow | EA | 4 | 0% | 4 |
| 36 | 8" Dia Return Air Duct 90 Deg Elbow | EA | 3 | 0% | 3 |
| 37 | 6" Dia Exhaust Air Duct 90 Deg Elbow | EA | 3 | 0% | 3 |
| Take-Off | | | | | |

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope: **HVAC**



Date:

| SR # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE |
|------|---|------|----------|---------|------------------------|
| 38 | 8" / 6" Dia Supply Air Duct Takeoff | EA | 1 | 0% | 1 |
| 39 | 10" / 8" Dia Supply Air Duct Takeoff | EA | 5 | 0% | 5 |
| 40 | 12" / 6" Dia Supply Air Duct Takeoff | EA | 1 | 0% | 1 |
| 41 | 12" / 10" Dia Supply Air Duct Takeoff | EA | 1 | 0% | 1 |
| 42 | 14" / 8" Dia Supply Air Duct Takeoff | EA | 2 | 0% | 2 |
| 43 | 14" / 10" Dia Supply Air Duct Takeoff | EA | 4 | 0% | 4 |
| 44 | 16" / 6" Dia Supply Air Duct Takeoff | EA | 1 | 0% | 1 |
| 45 | 16" / 8" Dia Supply Air Duct Takeoff | EA | 5 | 0% | 5 |
| 46 | 16" / 10" Dia Supply Air Duct Takeoff | EA | 17 | 0% | 17 |
| 47 | 16"x16" / 8" Dia Supply Air Duct Takeoff | EA | 2 | 0% | 2 |
| 48 | 16"x16" / 10" Dia Supply Air Duct Takeoff | EA | 1 | 0% | 1 |
| 49 | 16"x16" / 14" Dia Supply Air Duct Takeoff | EA | 1 | 0% | 1 |
| 50 | 16"x16" / 16" Dia Supply Air Duct Takeoff | EA | 7 | 0% | 7 |
| 51 | 18" / 6" Dia Supply Air Duct Takeoff | EA | 1 | 0% | 1 |
| 52 | 18" / 10" Dia Supply Air Duct Takeoff | EA | 3 | 0% | 3 |
| 53 | 18"x14" / 18" Dia Supply Air Duct Takeoff | EA | 2 | 0% | 2 |
| 54 | 14" / 10" Dia Return Air Duct Takeoff | EA | 1 | 0% | 1 |
| 55 | 14" / 12" Dia Return Air Duct Takeoff | EA | 2 | 0% | 2 |
| 56 | 14"x14" / 16" Dia Return Air Duct Takeoff | EA | 4 | 0% | 4 |
| 57 | 16" / 16" Dia Return Air Duct Takeoff | EA | 1 | 0% | 1 |
| 58 | 18" / 18" Dia Return Air Duct Takeoff | EA | 1 | 0% | 1 |
| 59 | 22"x10" / 18" Dia Return Air Duct Takeoff | EA | 1 | 0% | 1 |
| 60 | 22"x14" / 8" Dia Return Air Duct Takeoff | EA | 1 | 0% | 1 |
| 61 | 22"x14" / 10" Dia Return Air Duct Takeoff | EA | 2 | 0% | 2 |
| 62 | 22"x14" / 12" Dia Return Air Duct Takeoff | EA | 1 | 0% | 1 |
| 63 | 22"x14" / 14" Dia Return Air Duct Takeoff | EA | 3 | 0% | 3 |
| 64 | 22"x14" / 14"x14" Return Air Duct Takeoff | EA | 2 | 0% | 2 |
| 65 | 22"x14" / 16" Dia Return Air Duct Takeoff | EA | 3 | 0% | 3 |
| | Reducer | | | | |
| 66 | 8" / 6" Dia Supply Air Duct Reducer | EA | 1 | 0% | 1 |
| 67 | 10" / 8" Dia Supply Air Duct Reducer | EA | 3 | 0% | 3 |
| 68 | 12" / 10" Dia Supply Air Duct Reducer | EA | 1 | 0% | 1 |
| 69 | 14" / 10" Dia Supply Air Duct Reducer | EA | 3 | 0% | 3 |
| 70 | 16" / 10" Dia Supply Air Duct Reducer | EA | 3 | 0% | 3 |
| 71 | 16" / 12" Dia Supply Air Duct Reducer | EA | 1 | 0% | 1 |
| 72 | 16" / 14" Dia Supply Air Duct Reducer | EA | 2 | 0% | 2 |
| 73 | 18" / 14" Dia Supply Air Duct Reducer | EA | 1 | 0% | 1 |
| 74 | 18" / 16" Dia Supply Air Duct Reducer | EA | 1 | 0% | 1 |
| 75 | 14" / 10" Dia Return Air Duct Reducer | EA | 1 | 0% | 1 |
| 76 | 14" / 12" Dia Return Air Duct Reducer | EA | 2 | 0% | 2 |
| 77 | 16" / 8" Dia Return Air Duct Reducer | EA | 1 | 0% | 1 |
| | Duct Couplers | | | | |

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope: HVAC



Date:

| SR # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE |
|------|----------------------|------|----------|---------|------------------------|
| 78 | 8" Dia Duct Coupler | EA | 2 | 0% | 2 |
| 79 | 10" Dia Duct Coupler | EA | 6 | 0% | 6 |
| 80 | 12" Dia Duct Coupler | EA | 1 | 0% | 1 |
| 81 | 14" Dia Duct Coupler | EA | 2 | 0% | 2 |
| 82 | 16" Dia Duct Coupler | EA | 5 | 0% | 5 |
| 83 | 18" Dia Duct Coupler | EA | 2 | 0% | 2 |
| | | | | | |