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# HVAC ESTIMATE - SAMPLE 01

| Project Name: | Location: | Scope of Work: | Building Type: |
|---|---|---|---|
| Sample HVAC 01 | Oaklahoma | HVAC | COMMERCIAL |

| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| **01. GENERAL CONDITIONS** | | | | | | | | |
| **INDIRECT PROJECT COSTS** | | | | | | | | |
| 1 | | General Liability Insurance | 0 | Mo | 0 | 0 | - | - |
| 2 | | General Conditions (Backoffice Overhead) | 0 | Mo | 0 | 0 | - | - |
| **DIRECT PROJECT COSTS** | | | | | | | | |
| 3 | | Bonding Fee (If required) | 1.15 | Mo | 0 | 1.15 | - | - |
| 4 | | Access Control (Pipe Scaffolding or Boom/Scissor Lifts) | 1 | Mo | 0 | 1 | - | - |
| 5 | | Equipment Rental | 1 | Mo | 0 | 1 | - | - |
| 6 | | Travel, Tools, Gas | 1 | Mo | 0 | 1 | - | - |
| 7 | | Field Office | 1 | Mo | 0 | 1 | - | - |
| 8 | | Temp. Facilities | 1 | Mo | 0 | 1 | - | - |
| 9 | | Temp. Signage and Protection | 1 | Mo | 0 | 1 | - | - |
| 10 | | Temp. Fencing | 1 | Mo | 0 | 1 | - | - |
| 11 | | Field Superintendent/Foreman (Full Time) | 1 | Mo | 0 | 1 | - | - |
| 12 | | Project Manager (Part Time) | 1 | Mo | 0 | 1 | - | - |
| **23. HEATING VENTILATING & AIR CONDITIONING (HVAC)** | | | | | | | | |
| **DUCTWORK (AIR DISTRIBUTION)** | | | | | | | | |
| **GALVANIZED STEEL** | | | | | | | | |
| 13 | | (6" Dia) Flexible Supply Duct | 33 | LF | 0.1 | 37 | - | - |
| 14 | | (8" Dia) Flexible Supply Duct | 225 | LF | 0.1 | 248 | - | - |
| 15 | | (10" Dia) Flexible Supply Duct | 963 | LF | 0.1 | 1060 | - | - |
| 16 | | (12" Dia) Flexible Supply Duct | 141 | LF | 0.1 | 156 | - | - |
| 17 | | (6" Dia) Supply Duct | 176.85 | LF | 0.1 | 195 | - | - |
| 18 | | (8" Dia) Supply Duct | 1241.49 | LF | 0.1 | 1366 | - | - |
| 19 | | (10" Dia) Supply Duct | 2501.04 | LF | 0.1 | 2752 | - | - |
| 20 | | (12" Dia) Supply Duct | 400.04 | LF | 0.1 | 441 | - | - |
| 21 | | (14" Dia) Supply Duct | 4.12 | LF | 0.1 | 5 | - | - |
| 22 | | (8x8) Supply Duct | 13.58 | LF | 0.1 | 15 | - | - |
| 23 | | (8x10) Supply Duct | 38.07 | LF | 0.1 | 42 | - | - |
| 24 | | (10x10) Supply Duct | 147.75 | LF | 0.1 | 163 | - | - |
| 25 | | (10x12) Supply Duct | 64.79 | LF | 0.1 | 72 | - | - |
| 26 | | (12x6) Supply Duct | 5.44 | LF | 0.1 | 6 | - | - |
| 27 | | (12x10) Supply Duct | 57.38 | LF | 0.1 | 64 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 28 | | (12x12) Supply Duct | 265.67 | LF | 0.1 | 293 | - | - |
| 29 | | (12x17) Supply Duct | 12 | LF | 0.1 | 14 | - | - |
| 30 | | (14x10) Supply Duct | 89.81 | LF | 0.1 | 99 | - | - |
| 31 | | (14x12) Supply Duct | 104.48 | LF | 0.1 | 115 | - | - |
| 32 | | (14x14) Supply Duct | 85.84 | LF | 0.1 | 95 | - | - |
| 33 | | (14x18) Supply Duct | 21.6 | LF | 0.1 | 24 | - | - |
| 34 | | (16x8) Supply Duct | 12.65 | LF | 0.1 | 14 | - | - |
| 35 | | (16x12) Supply Duct | 198.16 | LF | 0.1 | 218 | - | - |
| 36 | | (16x14) Supply Duct | 23.87 | LF | 0.1 | 27 | - | - |
| 37 | | (16x16) Supply Duct | 76.52 | LF | 0.1 | 85 | - | - |
| 38 | | (18x12) Supply Duct | 118.1 | LF | 0.1 | 130 | - | - |
| 39 | | (18x14) Supply Duct | 60.81 | LF | 0.1 | 67 | - | - |
| 40 | | (18x16) Supply Duct | 66.03 | LF | 0.1 | 73 | - | - |
| 41 | | (20x12) Supply Duct | 44.35 | LF | 0.1 | 49 | - | - |
| 42 | | (20x14) Supply Duct | 112.25 | LF | 0.1 | 124 | - | - |
| 43 | | (20x16) Supply Duct | 98.32 | LF | 0.1 | 109 | - | - |
| 44 | | (20x20) Supply Duct | 127.98 | LF | 0.1 | 141 | - | - |
| 45 | | (22x8) Supply Duct | 15.43 | LF | 0.1 | 17 | - | - |
| 46 | | (22x12) Supply Duct | 22.73 | LF | 0.1 | 26 | - | - |
| 47 | | (22x14) Supply Duct | 26.41 | LF | 0.1 | 30 | - | - |
| 48 | | (22x18) Supply Duct | 26.82 | LF | 0.1 | 30 | - | - |
| 49 | | (22x20) Supply Duct | 113.32 | LF | 0.1 | 125 | - | - |
| 50 | | (24x12) Supply Duct | 16.62 | LF | 0.1 | 19 | - | - |
| 51 | | (24x14) Supply Duct | 68.16 | LF | 0.1 | 75 | - | - |
| 52 | | (24x16) Supply Duct | 27.09 | LF | 0.1 | 30 | - | - |
| 53 | | (24x18) Supply Duct | 36.04 | LF | 0.1 | 40 | - | - |
| 54 | | (24x22) Supply Duct | 181.7 | LF | 0.1 | 200 | - | - |
| 55 | | (26x12) Supply Duct | 21.77 | LF | 0.1 | 24 | - | - |
| 56 | | (26x18) Supply Duct | 28.51 | LF | 0.1 | 32 | - | - |
| 57 | | (28x14) Supply Duct | 284 | LF | 0.1 | 313 | - | - |
| 58 | | (28x16) Supply Duct | 201.79 | LF | 0.1 | 222 | - | - |
| 59 | | (30x12) Supply Duct | 16.36 | LF | 0.1 | 18 | - | - |
| 60 | | (30x14) Supply Duct | 44.25 | LF | 0.1 | 49 | - | - |
| 61 | | (30x18) Supply Duct | 14.07 | LF | 0.1 | 16 | - | - |
| 62 | | (32x16) Supply Duct | 19.33 | LF | 0.1 | 22 | - | - |
| 63 | | (32x18) Supply Duct | 19.37 | LF | 0.1 | 22 | - | - |
| 64 | | (32x24) Supply Duct | 26.91 | LF | 0.1 | 30 | - | - |
| 65 | | (34x14) Supply Duct | 25.93 | LF | 0.1 | 29 | - | - |
| 66 | | (34x18) Supply Duct | 13.41 | LF | 0.1 | 15 | - | - |
| 67 | | (34x28) Supply Duct | 66.33 | LF | 0.1 | 73 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 68 | | (36x14) Supply Duct | 127.28 | LF | 0.1 | 141 | - | - |
| 69 | | (36x18) Supply Duct | 39.47 | LF | 0.1 | 44 | - | - |
| 70 | | (36x24) Supply Duct | 27.05 | LF | 0.1 | 30 | - | - |
| 71 | | (38x24) Supply Duct | 20.51 | LF | 0.1 | 23 | - | - |
| 72 | | (40x18) Supply Duct | 60.16 | LF | 0.1 | 67 | - | - |
| 73 | | (40x32) Supply Duct | 12 | LF | 0.1 | 14 | - | - |
| 74 | | (42x10) Supply Duct | 15.95 | LF | 0.1 | 18 | - | - |
| 75 | | (42x24) Supply Duct | 125.89 | LF | 0.1 | 139 | - | - |
| 76 | | (48x14) Supply Duct | 34.95 | LF | 0.1 | 39 | - | - |
| 77 | | (60x22) Supply Duct | 36 | LF | 0.1 | 40 | - | - |
| 78 | | (60x26) Supply Duct | 6 | LF | 0.1 | 7 | - | - |
| 79 | | (8" Dia) Return Duct | 66.29 | LF | 0.1 | 73 | - | - |
| 80 | | (10" Dia) Return Duct | 99.14 | LF | 0.1 | 110 | - | - |
| 81 | | (12" Dia) Return Duct | 26.46 | LF | 0.1 | 30 | - | - |
| 82 | | (8x8) Return Duct | 62.06 | LF | 0.1 | 69 | - | - |
| 83 | | (10x6) Return Duct | 11.75 | LF | 0.1 | 13 | - | - |
| 84 | | (10x10) Return Duct | 13.79 | LF | 0.1 | 16 | - | - |
| 85 | | (12x6) Return Duct | 51.64 | LF | 0.1 | 57 | - | - |
| 86 | | (12x8) Return Duct | 12.35 | LF | 0.1 | 14 | - | - |
| 87 | | (12x10) Return Duct | 92.59 | LF | 0.1 | 102 | - | - |
| 88 | | (12x12) Return Duct | 71.35 | LF | 0.1 | 79 | - | - |
| 89 | | (14x12) Return Duct | 46.72 | LF | 0.1 | 52 | - | - |
| 90 | | (14x14) Return Duct | 5.56 | LF | 0.1 | 7 | - | - |
| 91 | | (16x10) Return Duct | 14.61 | LF | 0.1 | 17 | - | - |
| 92 | | (16x12) Return Duct | 16.64 | LF | 0.1 | 19 | - | - |
| 93 | | (16x14) Return Duct | 13.84 | LF | 0.1 | 16 | - | - |
| 94 | | (16x16) Return Duct | 59.35 | LF | 0.1 | 66 | - | - |
| 95 | | (18x12) Return Duct | 2.07 | LF | 0.1 | 3 | - | - |
| 96 | | (18x14) Return Duct | 80.65 | LF | 0.1 | 89 | - | - |
| 97 | | (20x8) Return Duct | 8.15 | LF | 0.1 | 9 | - | - |
| 98 | | (20x10) Return Duct | 8.62 | LF | 0.1 | 10 | - | - |
| 99 | | (20x12) Return Duct | 41.2 | LF | 0.1 | 46 | - | - |
| 100 | | (20x14) Return Duct | 45.47 | LF | 0.1 | 51 | - | - |
| 101 | | (20x16) Return Duct | 47.54 | LF | 0.1 | 53 | - | - |
| 102 | | (22x10) Return Duct | 25.55 | LF | 0.1 | 29 | - | - |
| 103 | | (22x12) Return Duct | 24.57 | LF | 0.1 | 28 | - | - |
| 104 | | (22x14) Return Duct | 464.25 | LF | 0.1 | 511 | - | - |
| 105 | | (22x20) Return Duct | 69.18 | LF | 0.1 | 77 | - | - |
| 106 | | (22x22) Return Duct | 96.75 | LF | 0.1 | 107 | - | - |
| 107 | | (22x24) Return Duct | 97.5 | LF | 0.1 | 108 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 108 | | (24x12) Return Duct | 17.29 | LF | 0.1 | 20 | - | - |
| 109 | | (24x14) Return Duct | 27.19 | LF | 0.1 | 30 | - | - |
| 110 | | (24x20) Return Duct | 12.01 | LF | 0.1 | 14 | - | - |
| 111 | | (24x22) Return Duct | 70.97 | LF | 0.1 | 79 | - | - |
| 112 | | (25x11) Return Duct | 6 | LF | 0.1 | 7 | - | - |
| 113 | | (26x11) Return Duct | 6 | LF | 0.1 | 7 | - | - |
| 114 | | (26x12) Return Duct | 10.24 | LF | 0.1 | 12 | - | - |
| 115 | | (26x14) Return Duct | 34.95 | LF | 0.1 | 39 | - | - |
| 116 | | (26x20) Return Duct | 15.13 | LF | 0.1 | 17 | - | - |
| 117 | | (28x12) Return Duct | 8.91 | LF | 0.1 | 10 | - | - |
| 118 | | (28x16) Return Duct | 26.8 | LF | 0.1 | 30 | - | - |
| 119 | | (28x18) Return Duct | 6.19 | LF | 0.1 | 7 | - | - |
| 120 | | (30x14) Return Duct | 14.57 | LF | 0.1 | 17 | - | - |
| 121 | | (30x18) Return Duct | 61.74 | LF | 0.1 | 68 | - | - |
| 122 | | (30x22) Return Duct | 15.15 | LF | 0.1 | 17 | - | - |
| 123 | | (32x12) Return Duct | 7.91 | LF | 0.1 | 9 | - | - |
| 124 | | (32x16) Return Duct | 52.82 | LF | 0.1 | 59 | - | - |
| 125 | | (34x14) Return Duct | 43.91 | LF | 0.1 | 49 | - | - |
| 126 | | (34x16) Return Duct | 32.23 | LF | 0.1 | 36 | - | - |
| 127 | | (34x18) Return Duct | 48.65 | LF | 0.1 | 54 | - | - |
| 128 | | (36x14) Return Duct | 162 | LF | 0.1 | 179 | - | - |
| 129 | | (38x18) Return Duct | 57.88 | LF | 0.1 | 64 | - | - |
| 130 | | (38x20) Return Duct | 18.64 | LF | 0.1 | 21 | - | - |
| 131 | | (40x22) Return Duct | 16.85 | LF | 0.1 | 19 | - | - |
| 132 | | (40x24) Return Duct | 13.31 | LF | 0.1 | 15 | - | - |
| 133 | | (40x28) Return Duct | 27 | LF | 0.1 | 30 | - | - |
| 134 | | (50x18) Return Duct | 73.74 | LF | 0.1 | 82 | - | - |
| 135 | | (50x20) Return Duct | 18.68 | LF | 0.1 | 21 | - | - |
| 136 | | (52x36) Return Duct | 2.26 | LF | 0.1 | 3 | - | - |
| 137 | | (60x22) Return Duct | 42 | LF | 0.1 | 47 | - | - |
| 138 | | (6" Dia) Exhaust Duct | 37.91 | LF | 0.1 | 42 | - | - |
| 139 | | (8" Dia) Exhaust Duct | 132.19 | LF | 0.1 | 146 | - | - |
| 140 | | (12" Dia) Exhaust Duct | 15.6 | LF | 0.1 | 18 | - | - |
| 141 | | (12x10) Exhaust Duct | 59.5 | LF | 0.1 | 66 | - | - |
| 142 | | (10x14) Exhaust Duct | 18.75 | LF | 0.1 | 21 | - | - |
| 143 | | (14x14) Exhaust Duct | 137.75 | LF | 0.1 | 152 | - | - |
| 144 | | 4" Intake & Exhaust Duct | 45.27 | LF | 0.1 | 50 | - | - |
| 145 | | 4" Combustion Air | 46.98 | LF | 0.1 | 52 | - | - |
| **STAINLESS STEEL** | | | | | | | | |
| 146 | | (4" Dia) Dryer Vent | 14.89 | LF | 0.1 | 17 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 147 | | (12" Dia) Kitchen Exhaust Duct | 52.49 | LF | 0.1 | 58 | - | - |
| 148 | | (14" Dia) Kitchen Exhaust Duct | 44.54 | LF | 0.1 | 49 | - | - |
| 149 | | (16" Dia) Kitchen Exhaust Duct | 24.03 | LF | 0.1 | 27 | - | - |
| 150 | | (16x4) Dishwasher Exhaust Duct | 5.92 | LF | 0.1 | 7 | - | - |
| 151 | | (16x10) Dishwasher Exhaust Duct | 8.46 | LF | 0.1 | 10 | - | - |
| 152 | | (36x28) Supply Duct EXPOSED | 222.23 | LF | 0.1 | 245 | - | - |
| **FITTINGS** | | | | | | | | |
| 153 | | (4" Dia) Elbow 90 | 8 | EA | 0 | 8 | - | - |
| 154 | | (6" Dia) Elbow 45 | 6 | EA | 0 | 6 | - | - |
| 155 | | (6" Dia) Elbow 90 | 21 | EA | 0 | 21 | - | - |
| 156 | | (8" Dia) Elbow 45 | 22 | EA | 0 | 22 | - | - |
| 157 | | (8" Dia) Elbow 90 | 151 | EA | 0 | 151 | - | - |
| 158 | | (10" Dia) Elbow 45 | 53 | EA | 0 | 53 | - | - |
| 159 | | (10" Dia) Elbow 90 | 393 | EA | 0 | 393 | - | - |
| 160 | | (12" Dia) Elbow 45 | 7 | EA | 0 | 7 | - | - |
| 161 | | (12" Dia) Elbow 90 | 67 | EA | 0 | 67 | - | - |
| 162 | | (14" Dia) Elbow 90 | 3 | EA | 0 | 3 | - | - |
| 163 | | (16" Dia) Elbow 90 | 2 | EA | 0 | 2 | - | - |
| 164 | | (12x10) Elbow 90 | 1 | EA | 0 | 1 | - | - |
| 165 | | (14x10) Elbow 90 | 4 | EA | 0 | 4 | - | - |
| 166 | | (14x12) Elbow 90 | 2 | EA | 0 | 2 | - | - |
| 167 | | (14x14) Elbow 90 | 5 | EA | 0 | 5 | - | - |
| 168 | | (16x12) Elbow 90 | 2 | EA | 0 | 2 | - | - |
| 169 | | (18x12) Elbow 90 | 1 | EA | 0 | 1 | - | - |
| 170 | | (18x14) Elbow 90 | 2 | EA | 0 | 2 | - | - |
| 171 | | (20x12) Elbow 90 | 2 | EA | 0 | 2 | - | - |
| 172 | | (20x14) Elbow 90 | 4 | EA | 0 | 4 | - | - |
| 173 | | (22x14) Elbow 45 | 2 | EA | 0 | 2 | - | - |
| 174 | | (22x14) Elbow 90 | 5 | EA | 0 | 5 | - | - |
| 175 | | (22x20) Elbow 90 | 1 | EA | 0 | 1 | - | - |
| 176 | | (24x14) Elbow 90 | 2 | EA | 0 | 2 | - | - |
| 177 | | (24x22) Elbow 90 | 8 | EA | 0 | 8 | - | - |
| 178 | | (28x14) Elbow 45 | 2 | EA | 0 | 2 | - | - |
| 179 | | (28x14) Elbow 90 | 5 | EA | 0 | 5 | - | - |
| 180 | | (28x16) Elbow 45 | 6 | EA | 0 | 6 | - | - |
| 181 | | (30x18) Elbow 45 | 2 | EA | 0 | 2 | - | - |
| 182 | | (32x16) Elbow 45 | 2 | EA | 0 | 2 | - | - |
| 183 | | (34x14) Elbow 90 | 2 | EA | 0 | 2 | - | - |
| 184 | | (34x16) Elbow 45 | 2 | EA | 0 | 2 | - | - |
| 185 | | (36x14) Elbow 45 | 2 | EA | 0 | 2 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 186 | | (36x14) Elbow 90 | 6 | EA | 0 | 6 | - | - |
| 187 | | (42x24) Elbow 90 | 4 | EA | 0 | 4 | - | - |
| 188 | | (8x8) Elbow 45 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 189 | | (8x8) Elbow 90 W/ Turning Vanes | 11 | EA | 0 | 11 | - | - |
| 190 | | (10x6) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 191 | | (10x10) Elbow 90 W/ Turning Vanes | 7 | EA | 0 | 7 | - | - |
| 192 | | (10x12) Elbow 45 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 193 | | (12x6) Elbow 45 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 194 | | (12x6) Elbow 90 W/ Turning Vanes | 3 | EA | 0 | 3 | - | - |
| 195 | | (12x8) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 196 | | (12x10) Elbow 90 W/ Turning Vanes | 5 | EA | 0 | 5 | - | - |
| 197 | | (12x12) Elbow 90 W/ Turning Vanes | 6 | EA | 0 | 6 | - | - |
| 198 | | (12x17) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 199 | | (14x12) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 200 | | (14x12) Elbow 45 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 201 | | (14x14) Elbow 90 W/ Turning Vanes | 7 | EA | 0 | 7 | - | - |
| 202 | | (16x4) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 203 | | (16x8) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 204 | | (16x10) Elbow 90 W/ Turning Vanes | 3 | EA | 0 | 3 | - | - |
| 205 | | (16x12) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 206 | | (16x16) Elbow 45 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 207 | | (16x16) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 208 | | (18x14) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 209 | | (18x16) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 210 | | (20x8) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 211 | | (20x12) Elbow 45 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 212 | | (20x12) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 213 | | (20x14) Elbow 90 W/ Turning Vanes | 6 | EA | 0 | 6 | - | - |
| 214 | | (20x16) Elbow 45 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 215 | | (20x16) Elbow 90 W/ Turning Vanes | 4 | EA | 0 | 4 | - | - |
| 216 | | (20x20) Elbow 90 W/ Turning Vanes | 10 | EA | 0 | 10 | - | - |
| 217 | | (22x10) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 218 | | (22x14) Elbow 45 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 219 | | (22x14) Elbow 90 W/ Turning Vanes | 14 | EA | 0 | 14 | - | - |
| 220 | | (22x20) Elbow 90 W/ Turning Vanes | 18 | EA | 0 | 18 | - | - |
| 221 | | (22x22) Elbow 90 W/ Turning Vanes | 11 | EA | 0 | 11 | - | - |
| 222 | | (22x24) Elbow 90 W/ Turning Vanes | 8 | EA | 0 | 8 | - | - |
| 223 | | (24x12) Elbow 45 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 224 | | (24x12) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 225 | | (24x14) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 226 | | (24x16) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 227 | | (24x18) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 228 | | (24x22) Elbow 90 W/ Turning Vanes | 21 | EA | 0 | 21 | - | - |
| 229 | | (26x11) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 230 | | (26x12) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 231 | | (26x14) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 232 | | (26x20) Elbow 90 W/ Turning Vanes | 3 | EA | 0 | 3 | - | - |
| 233 | | (28x14) Elbow 45 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 234 | | (28x14) Elbow 90 W/ Turning Vanes | 20 | EA | 0 | 20 | - | - |
| 235 | | (28x16) Elbow 45 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 236 | | (28x16) Elbow 90 W/ Turning Vanes | 13 | EA | 0 | 13 | - | - |
| 237 | | (30x12) Elbow 45 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 238 | | (30x14) Elbow 90 W/ Turning Vanes | 6 | EA | 0 | 6 | - | - |
| 239 | | (30x18) Elbow 90 W/ Turning Vanes | 5 | EA | 0 | 5 | - | - |
| 240 | | (32x16) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 241 | | (34x14) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 242 | | (34x18) Elbow 90 W/ Turning Vanes | 4 | EA | 0 | 4 | - | - |
| 243 | | (34x28) Elbow 90 W/ Turning Vanes | 4 | EA | 0 | 4 | - | - |
| 244 | | (36x14) Elbow 90 W/ Turning Vanes | 27 | EA | 0 | 27 | - | - |
| 245 | | (38x18) Elbow 90 W/ Turning Vanes | 8 | EA | 0 | 8 | - | - |
| 246 | | (38x20) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 247 | | (40x18) Elbow 90 W/ Turning Vanes | 4 | EA | 0 | 4 | - | - |
| 248 | | (42x24) Elbow 90 W/ Turning Vanes | 2 | EA | 0 | 2 | - | - |
| 249 | | (48x14) Elbow 90 W/ Turning Vanes | 3 | EA | 0 | 3 | - | - |
| 250 | | (50x18) Elbow 90 W/ Turning Vanes | 5 | EA | 0 | 5 | - | - |
| 251 | | (50x20) Elbow 90 W/ Turning Vanes | 1 | EA | 0 | 1 | - | - |
| 252 | | (60x22) Elbow 90 W/ Turning Vanes | 10 | EA | 0 | 10 | - | - |
| 253 | | (8x10)x(8" Dia) Spin-In Fitting | 3 | EA | 0 | 3 | - | - |
| 254 | | (10x10)x(8" Dia) Spin-In Fitting | 11 | EA | 0 | 11 | - | - |
| 255 | | (10x10)x(10" Dia) Spin-In Fitting | 5 | EA | 0 | 5 | - | - |
| 256 | | (10x12)x(8" Dia) Spin-In Fitting | 6 | EA | 0 | 6 | - | - |
| 257 | | (10x12)x(10" Dia) Spin-In Fitting | 6 | EA | 0 | 6 | - | - |
| 258 | | (10x14)x(12" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 259 | | (12x10)x(10" Dia) Spin-In Fitting | 5 | EA | 0 | 5 | - | - |
| 260 | | (12x12)x(6" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 261 | | (12x12)x(8" Dia) Spin-In Fitting | 18 | EA | 0 | 18 | - | - |
| 262 | | (12x12)x(10" Dia) Spin-In Fitting | 32 | EA | 0 | 32 | - | - |
| 263 | | (14x10)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 264 | | (14x10)x(10" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 265 | | (14x12)x(6" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 266 | | (14x12)x(8" Dia) Spin-In Fitting | 5 | EA | 0 | 5 | - | - |
| 267 | | (14x12)x(10" Dia) Spin-In Fitting | 12 | EA | 0 | 12 | - | - |
| 268 | | (14x12)x(12" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 269 | | (14x14)x(8" Dia) Spin-In Fitting | 6 | EA | 0 | 6 | - | - |
| 270 | | (14x14)x(10" Dia) Spin-In Fitting | 10 | EA | 0 | 10 | - | - |
| 271 | | (14x14)x(12" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 272 | | (14x18)x(10" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 273 | | (14x18)x(12" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 274 | | (16x12)x(6" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 275 | | (16x12)x(8" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 276 | | (16x12)x(10" Dia) Spin-In Fitting | 35 | EA | 0 | 35 | - | - |
| 277 | | (16x14)x(10" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 278 | | (16x16)x(10" Dia) Spin-In Fitting | 15 | EA | 0 | 15 | - | - |
| 279 | | (18x12)x(8" Dia) Spin-In Fitting | 3 | EA | 0 | 3 | - | - |
| 280 | | (18x12)x(10" Dia) Spin-In Fitting | 23 | EA | 0 | 23 | - | - |
| 281 | | (18x12)x(12" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 282 | | (18x14)x(10" Dia) Spin-In Fitting | 6 | EA | 0 | 6 | - | - |
| 283 | | (18x14)x(12" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 284 | | (18x16)x(10" Dia) Spin-In Fitting | 12 | EA | 0 | 12 | - | - |
| 285 | | (20x10)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 286 | | (20x12)x(6" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 287 | | (20x12)x(8" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 288 | | (20x12)x(10" Dia) Spin-In Fitting | 6 | EA | 0 | 6 | - | - |
| 289 | | (20x14)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 290 | | (20x14)x(10" Dia) Spin-In Fitting | 14 | EA | 0 | 14 | - | - |
| 291 | | (20x16)x(6" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 292 | | (20x16)x(10" Dia) Spin-In Fitting | 17 | EA | 0 | 17 | - | - |
| 293 | | (22x8)x(8" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 294 | | (22x10)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 295 | | (22x10)x(10" Dia) Spin-In Fitting | 5 | EA | 0 | 5 | - | - |
| 296 | | (22x12)x(10" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 297 | | (22x12)x(12" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 298 | | (22x14)x(10" Dia) Spin-In Fitting | 5 | EA | 0 | 5 | - | - |
| 299 | | (22x18)x(12" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 300 | | (24x12)x(10" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 301 | | (24x14)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 302 | | (24x14)x(10" Dia) Spin-In Fitting | 10 | EA | 0 | 10 | - | - |
| 303 | | (24x14)x(12" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 304 | | (24x16)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 305 | | (24x16)x(10" Dia) Spin-In Fitting | 5 | EA | 0 | 5 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 306 | | (24x18)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 307 | | (24x18)x(10" Dia) Spin-In Fitting | 3 | EA | 0 | 3 | - | - |
| 308 | | (26x12)x(8" Dia) Spin-In Fitting | 3 | EA | 0 | 3 | - | - |
| 309 | | (26x12)x(10" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 310 | | (26x18)x(12" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 311 | | (28x14)x(8" Dia) Spin-In Fitting | 3 | EA | 0 | 3 | - | - |
| 312 | | (28x14)x(10" Dia) Spin-In Fitting | 11 | EA | 0 | 11 | - | - |
| 313 | | (28x14)x(12" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 314 | | (28x16)x(6" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 315 | | (28x16)x(10" Dia) Spin-In Fitting | 40 | EA | 0 | 40 | - | - |
| 316 | | (30x12)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 317 | | (30x12)x(10" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 318 | | (30x12)x(12" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 319 | | (30x14)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 320 | | (30x14)x(10" Dia) Spin-In Fitting | 5 | EA | 0 | 5 | - | - |
| 321 | | (32x16)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 322 | | (32x16)x(10" Dia) Spin-In Fitting | 5 | EA | 0 | 5 | - | - |
| 323 | | (32x18)x(12" Dia) Spin-In Fitting | 2 | EA | 0 | 2 | - | - |
| 324 | | (32x24)x(12" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 325 | | (34x18)x(10" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 326 | | (36x14)x(8" Dia) Spin-In Fitting | 3 | EA | 0 | 3 | - | - |
| 327 | | (36x14)x(10" Dia) Spin-In Fitting | 12 | EA | 0 | 12 | - | - |
| 328 | | (36x18)x(8" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 329 | | (36x18)x(12" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 330 | | (36x24)x(12" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 331 | | (38x20)x(12" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 332 | | (38x24)x(12" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 333 | | (40x18)x(10" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 334 | | (42x24)x(12" Dia) Spin-In Fitting | 8 | EA | 0 | 8 | - | - |
| 335 | | (48x14)x(10" Dia) Spin-In Fitting | 4 | EA | 0 | 4 | - | - |
| 336 | | (48x14)x(12" Dia) Spin-In Fitting | 1 | EA | 0 | 1 | - | - |
| 337 | | (4" Dia) Duct Wall Cap | 2 | EA | 0 | 2 | - | - |
| 338 | | (6" Dia) Duct Wall Cap | 1 | EA | 0 | 1 | - | - |
| 339 | | (8" Dia) Duct Wall Cap | 4 | EA | 0 | 4 | - | - |
| 340 | | (8" Dia) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 341 | | (8x8) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 342 | | (8x10) Duct End Cap | 2 | EA | 0 | 2 | - | - |
| 343 | | (10x10) Duct End Cap | 7 | EA | 0 | 7 | - | - |
| 344 | | (10x12) Duct End Cap | 8 | EA | 0 | 8 | - | - |
| 345 | | (12x12) Duct End Cap | 18 | EA | 0 | 18 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 346 | | (14x10) Duct End Cap | 3 | EA | 0 | 3 | - | - |
| 347 | | (14x12) Duct End Cap | 6 | EA | 0 | 6 | - | - |
| 348 | | (14x14) Duct End Cap | 6 | EA | 0 | 6 | - | - |
| 349 | | (14x18) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 350 | | (16x12) Duct End Cap | 6 | EA | 0 | 6 | - | - |
| 351 | | (16x16) Duct End Cap | 4 | EA | 0 | 4 | - | - |
| 352 | | (18x12) Duct End Cap | 3 | EA | 0 | 3 | - | - |
| 353 | | (18x14) Duct End Cap | 2 | EA | 0 | 2 | - | - |
| 354 | | (20x14) Duct End Cap | 2 | EA | 0 | 2 | - | - |
| 355 | | (20x20) Duct End Cap | 2 | EA | 0 | 2 | - | - |
| 356 | | (22x8) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 357 | | (22x10) Duct End Cap | 2 | EA | 0 | 2 | - | - |
| 358 | | (22x14) Duct End Cap | 3 | EA | 0 | 3 | - | - |
| 359 | | (22x20) Duct End Cap | 4 | EA | 0 | 4 | - | - |
| 360 | | (22x22) Duct End Cap | 2 | EA | 0 | 2 | - | - |
| 361 | | (24x14) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 362 | | (24x22) Duct End Cap | 2 | EA | 0 | 2 | - | - |
| 363 | | (28x12) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 364 | | (28x14) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 365 | | (30x14) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 366 | | (34x18) Duct End Cap | 2 | EA | 0 | 2 | - | - |
| 367 | | (34x28) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 368 | | (36x14) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 369 | | (38x20) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 370 | | (40x22) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 371 | | (40x24) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 372 | | (40x28) Duct End Cap | 2 | EA | 0 | 2 | - | - |
| 373 | | (50x18) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 374 | | (50x20) Duct End Cap | 1 | EA | 0 | 1 | - | - |
| 375 | | (8" Dia)x(20x10) Adapter | 1 | EA | 0 | 1 | - | - |
| 376 | | (8" Dia)x(20x20) Adapter | 4 | EA | 0 | 4 | - | - |
| 377 | | (8" Dia)x(22x10) Adapter | 2 | EA | 0 | 2 | - | - |
| 378 | | (10" Dia)x(18x18) Adapter | 2 | EA | 0 | 2 | - | - |
| 379 | | (10" Dia)x(22x10) Adapter | 2 | EA | 0 | 2 | - | - |
| 380 | | (10" Dia)x(22x22) Adapter | 3 | EA | 0 | 3 | - | - |
| 381 | | (12" Dia)x(18x18) Adapter | 2 | EA | 0 | 2 | - | - |
| 382 | | (12" Dia)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 383 | | (8x8)x(22x10) Adapter | 7 | EA | 0 | 7 | - | - |
| 384 | | (8x8)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 385 | | (10x6)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 386 | | (10x10)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 387 | | (12x6)x(22x22) Adapter | 4 | EA | 0 | 4 | - | - |
| 388 | | (12x8)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 389 | | (12x10)x(22x10) Adapter | 2 | EA | 0 | 2 | - | - |
| 390 | | (12x10)x(22x22) Adapter | 10 | EA | 0 | 10 | - | - |
| 391 | | (12x12)x(22x22) Adapter | 6 | EA | 0 | 6 | - | - |
| 392 | | (14x10)x(18x14) Adapter | 2 | EA | 0 | 2 | - | - |
| 393 | | (14x10)x(30x14) Adapter | 2 | EA | 0 | 2 | - | - |
| 394 | | (14x12)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 395 | | (14x14)x(22x22) Adapter | 2 | EA | 0 | 2 | - | - |
| 396 | | (16x8)x(20x20) Adapter | 1 | EA | 0 | 1 | - | - |
| 397 | | (16x10)x(18x14) Adapter | 2 | EA | 0 | 2 | - | - |
| 398 | | (16x10)x(28x14) Adapter | 2 | EA | 0 | 2 | - | - |
| 399 | | (16x12)x(22x22) Adapter | 3 | EA | 0 | 3 | - | - |
| 400 | | (16x14)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 401 | | (18x12)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 402 | | (18x14)x(22x22) Adapter | 6 | EA | 0 | 6 | - | - |
| 403 | | (20x8)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 404 | | (20x10)x(22x10) Adapter | 1 | EA | 0 | 1 | - | - |
| 405 | | (20x12)x(22x22) Adapter | 2 | EA | 0 | 2 | - | - |
| 406 | | (20x14)x(22x22) Adapter | 3 | EA | 0 | 3 | - | - |
| 407 | | (20x16)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 408 | | (22x12)x(22x22) Adapter | 2 | EA | 0 | 2 | - | - |
| 409 | | (22x14)x(22x22) Adapter | 16 | EA | 0 | 16 | - | - |
| 410 | | (22x16)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 411 | | (24x12)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 412 | | (24x20)x(22x22) Adapter | 1 | EA | 0 | 1 | - | - |
| 413 | | (8" Dia)x(6" Dia) Takeoff | 2 | EA | 0 | 2 | - | - |
| 414 | | (10" Dia)x(8" Dia) Takeoff | 1 | EA | 0 | 1 | - | - |
| 415 | | (8x8)x(12x6) Takeoff | 1 | EA | 0 | 1 | - | - |
| 416 | | (8x10)x(12x6) Takeoff | 1 | EA | 0 | 1 | - | - |
| 417 | | (12x12)x(12x6) Takeoff | 2 | EA | 0 | 2 | - | - |
| 418 | | (12x12)x(8x8) Takeoff | 2 | EA | 0 | 2 | - | - |
| 419 | | (14x12)x(8x8) Takeoff | 2 | EA | 0 | 2 | - | - |
| 420 | | (14x12)x(12x10) Takeoff | 1 | EA | 0 | 1 | - | - |
| 421 | | (14x14)x(12x10) Takeoff | 6 | EA | 0 | 6 | - | - |
| 422 | | (14x14)x(12x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 423 | | (16x16)x(22x22) Takeoff | 1 | EA | 0 | 1 | - | - |
| 424 | | (18x14)x(14x12) Takeoff | 2 | EA | 0 | 2 | - | - |
| 425 | | (18x14)x(8x8) Takeoff | 1 | EA | 0 | 1 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 426 | | (20x14)x(12x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 427 | | (20x14)x(16x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 428 | | (20x14)x(18x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 429 | | (20x14)x(22x22) Takeoff | 1 | EA | 0 | 1 | - | - |
| 430 | | (20x16)x(12x6) Takeoff | 1 | EA | 0 | 1 | - | - |
| 431 | | (20x16)x(14x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 432 | | (20x20)x(20x14) Takeoff | 2 | EA | 0 | 2 | - | - |
| 433 | | (20x20)x(12x12) Takeoff | 2 | EA | 0 | 2 | - | - |
| 434 | | (22x10)x(16x16) Takeoff | 1 | EA | 0 | 1 | - | - |
| 435 | | (22x10)x(22x22) Takeoff | 1 | EA | 0 | 1 | - | - |
| 436 | | (22x14)x(18x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 437 | | (22x14)x(12x12) Takeoff | 3 | EA | 0 | 3 | - | - |
| 438 | | (22x14)x(18x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 439 | | (22x20)x(18x14) Takeoff | 5 | EA | 0 | 5 | - | - |
| 440 | | (22x20)x(22x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 441 | | (22x20)x(30x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 442 | | (22x22)x(28x16) Takeoff | 4 | EA | 0 | 4 | - | - |
| 443 | | (22x24)x(32x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 444 | | (24x14)x(12x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 445 | | (24x14)x(16x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 446 | | (24x22)x(12x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 447 | | (24x22)x(26x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 448 | | (26x12)x(22x22) Takeoff | 1 | EA | 0 | 1 | - | - |
| 449 | | (26x14)x(22x22) Takeoff | 1 | EA | 0 | 1 | - | - |
| 450 | | (26x20)x(12x8) Takeoff | 1 | EA | 0 | 1 | - | - |
| 451 | | (26x20)x(20x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 452 | | (28x12)x(20x8) Takeoff | 1 | EA | 0 | 1 | - | - |
| 453 | | (28x12)x(20x10) Takeoff | 1 | EA | 0 | 1 | - | - |
| 454 | | (28x14)x(16x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 455 | | (28x14)x(24x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 456 | | (28x16)x(12x6) Takeoff | 1 | EA | 0 | 1 | - | - |
| 457 | | (28x16)x(22x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 458 | | (28x16)x(22x22) Takeoff | 1 | EA | 0 | 1 | - | - |
| 459 | | (28x18)x(12x6) Takeoff | 1 | EA | 0 | 1 | - | - |
| 460 | | (28x18)x(22x22) Takeoff | 1 | EA | 0 | 1 | - | - |
| 461 | | (30x14)x(16x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 462 | | (30x12)x(16x8) Takeoff | 1 | EA | 0 | 1 | - | - |
| 463 | | (30x14)x(18x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 464 | | (30x14)x(22x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 465 | | (30x14)x(26x12) Takeoff | 1 | EA | 0 | 1 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 466 | | (30x18)x(12x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 467 | | (30x18)x(20x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 468 | | (30x18)x(22x14) Takeoff | 3 | EA | 0 | 3 | - | - |
| 469 | | (32x12)x(22x22) Takeoff | 1 | EA | 0 | 1 | - | - |
| 470 | | (32x16)x(16x12) Takeoff | 2 | EA | 0 | 2 | - | - |
| 471 | | (32x16)x(22x14) Takeoff | 2 | EA | 0 | 2 | - | - |
| 472 | | (34x14)x(18x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 473 | | (34x14)x(24x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 474 | | (34x16)x(10x6) Takeoff | 1 | EA | 0 | 1 | - | - |
| 475 | | (34x16)x(20x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 476 | | (34x16)x(22x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 477 | | (34x16)x(22x22) Takeoff | 2 | EA | 0 | 2 | - | - |
| 478 | | (34x18)x(22x22) Takeoff | 4 | EA | 0 | 4 | - | - |
| 479 | | (34x28)x(36x28) Takeoff | 2 | EA | 0 | 2 | - | - |
| 480 | | (36x14)x(12x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 481 | | (36x14)x(18x12) Takeoff | 3 | EA | 0 | 3 | - | - |
| 482 | | (36x18)x(28x16) Takeoff | 1 | EA | 0 | 1 | - | - |
| 483 | | (38x20)x(22x22) Takeoff | 1 | EA | 0 | 1 | - | - |
| 484 | | (38x20)x(24x20) Takeoff | 1 | EA | 0 | 1 | - | - |
| 485 | | (40x18)x(12x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 486 | | (40x18)x(24x14) Takeoff | 1 | EA | 0 | 1 | - | - |
| 487 | | (40x22)x(38x18) Takeoff | 2 | EA | 0 | 2 | - | - |
| 488 | | (40x24)x(38x18) Takeoff | 2 | EA | 0 | 2 | - | - |
| 489 | | (40x28)x(30x22) Takeoff | 2 | EA | 0 | 2 | - | - |
| 490 | | (40x32)x(32x16) Takeoff | 1 | EA | 0 | 1 | - | - |
| 491 | | (42x24)x(30x18) Takeoff | 1 | EA | 0 | 1 | - | - |
| 492 | | (48x14)x(12x12) Takeoff | 1 | EA | 0 | 1 | - | - |
| 493 | | (50x18)x(22x22) Takeoff | 3 | EA | 0 | 3 | - | - |
| 494 | | (50x20)x(22x22) Takeoff | 3 | EA | 0 | 3 | - | - |
| 495 | | (10" Dia)x(8" Dia) Reducer | 1 | EA | 0 | 1 | - | - |
| 496 | | (12x12)x(8x8) Reducer | 1 | EA | 0 | 1 | - | - |
| 497 | | (12x12)x(8x10) Reducer | 1 | EA | 0 | 1 | - | - |
| 498 | | (14x12)x(8x8) Reducer | 1 | EA | 0 | 1 | - | - |
| 499 | | (14x12)x(10x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 500 | | (14x14)x(10x10) Reducer | 1 | EA | 0 | 1 | - | - |
| 501 | | (14x14)x(12x10) Reducer | 2 | EA | 0 | 2 | - | - |
| 502 | | (14x14)x(10x14) Reducer | 2 | EA | 0 | 2 | - | - |
| 503 | | (14x14)x(12x17) Reducer | 1 | EA | 0 | 1 | - | - |
| 504 | | (14x14)x(20x20) Reducer | 1 | EA | 0 | 1 | - | - |
| 505 | | (14x14)x(24x20) Reducer | 1 | EA | 0 | 1 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 506 | | (16x12)x(10x10) Reducer | 2 | EA | 0 | 2 | - | - |
| 507 | | (16x12)x(10x12) Reducer | 2 | EA | 0 | 2 | - | - |
| 508 | | (16x12)x(12x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 509 | | (16x12)x(14x10) Reducer | 1 | EA | 0 | 1 | - | - |
| 510 | | (16x12)x(14x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 511 | | (16x14)x(12x12) Reducer | 2 | EA | 0 | 2 | - | - |
| 512 | | (18x12)x(10x10) Reducer | 1 | EA | 0 | 1 | - | - |
| 513 | | (18x12)x(12x10) Reducer | 2 | EA | 0 | 2 | - | - |
| 514 | | (18x12)x(12x12) Reducer | 2 | EA | 0 | 2 | - | - |
| 515 | | (18x14)x(8x8) Reducer | 1 | EA | 0 | 1 | - | - |
| 516 | | (18x14)x(12x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 517 | | (18x14)x(16x12) Reducer | 2 | EA | 0 | 2 | - | - |
| 518 | | (18x16)x(10x10) Reducer | 1 | EA | 0 | 1 | - | - |
| 519 | | (18x16)x(12x12) Reducer | 2 | EA | 0 | 2 | - | - |
| 520 | | (20x12)x(12x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 521 | | (20x12)x(16x12) Reducer | 3 | EA | 0 | 3 | - | - |
| 522 | | (20x14)x(12x10) Reducer | 2 | EA | 0 | 2 | - | - |
| 523 | | (20x14)x(14x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 524 | | (20x14)x(16x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 525 | | (20x14)x(16x14) Reducer | 2 | EA | 0 | 2 | - | - |
| 526 | | (20x16)x(14x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 527 | | (20x16)x(14x14) Reducer | 2 | EA | 0 | 2 | - | - |
| 528 | | (20x16)x(16x12) Reducer | 2 | EA | 0 | 2 | - | - |
| 529 | | (22x10)x(26x11) Reducer | 1 | EA | 0 | 1 | - | - |
| 530 | | (22x12)x(12x17) Reducer | 1 | EA | 0 | 1 | - | - |
| 531 | | (22x12)x(16x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 532 | | (22x12)x(22x8) Reducer | 1 | EA | 0 | 1 | - | - |
| 533 | | (22x14)x(12x6) Reducer | 1 | EA | 0 | 1 | - | - |
| 534 | | (22x14)x(10x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 535 | | (22x18)x(10x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 536 | | (24x12)x(18x12) Reducer | 2 | EA | 0 | 2 | - | - |
| 537 | | (24x14)x(12x10) Reducer | 1 | EA | 0 | 1 | - | - |
| 538 | | (24x14)x(12x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 539 | | (24x14)x(18x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 540 | | (24x16)x(18x16) Reducer | 2 | EA | 0 | 2 | - | - |
| 541 | | (24x18)x(14x18) Reducer | 1 | EA | 0 | 1 | - | - |
| 542 | | (26x12)x(16x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 543 | | (26x12)x(20x12) Reducer | 2 | EA | 0 | 2 | - | - |
| 544 | | (26x14)x(10x10) Reducer | 1 | EA | 0 | 1 | - | - |
| 545 | | (26x18)x(18x14) Reducer | 1 | EA | 0 | 1 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 546 | | (26x20)x(20x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 547 | | (26x20)x(22x24) Reducer | 1 | EA | 0 | 1 | - | - |
| 548 | | (28x12)x(26x11) Reducer | 1 | EA | 0 | 1 | - | - |
| 549 | | (28x14)x(12x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 550 | | (28x14)x(16x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 551 | | (28x14)x(20x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 552 | | (28x14)x(20x14) Reducer | 2 | EA | 0 | 2 | - | - |
| 553 | | (28x14)x(20x20) Reducer | 4 | EA | 0 | 4 | - | - |
| 554 | | (28x14)x(22x20) Reducer | 4 | EA | 0 | 4 | - | - |
| 555 | | (28x14)x(22x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 556 | | (28x14)x(24x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 557 | | (28x14)x(24x22) Reducer | 6 | EA | 0 | 6 | - | - |
| 558 | | (28x14)x(26x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 559 | | (28x16)x(16x16) Reducer | 4 | EA | 0 | 4 | - | - |
| 560 | | (28x16)x(18x16) Reducer | 1 | EA | 0 | 1 | - | - |
| 561 | | (28x16)x(20x16) Reducer | 4 | EA | 0 | 4 | - | - |
| 562 | | (28x16)x(22x12) Reducer | 2 | EA | 0 | 2 | - | - |
| 563 | | (28x16)x(22x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 564 | | (28x16)x(22x20) Reducer | 1 | EA | 0 | 1 | - | - |
| 565 | | (28x16)x(22x24) Reducer | 1 | EA | 0 | 1 | - | - |
| 566 | | (28x16)x(24x16) Reducer | 2 | EA | 0 | 2 | - | - |
| 567 | | (28x16)x(28x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 568 | | (28x18)x(20x16) Reducer | 1 | EA | 0 | 1 | - | - |
| 569 | | (28x18)x(24x22) Reducer | 1 | EA | 0 | 1 | - | - |
| 570 | | (30x12)x(12x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 571 | | (30x14)x(12x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 572 | | (30x14)x(22x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 573 | | (30x14)x(24x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 574 | | (30x14)x(28x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 575 | | (30x18)x(20x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 576 | | (30x18)x(22x14) Reducer | 4 | EA | 0 | 4 | - | - |
| 577 | | (30x18)x(48x48) Reducer | 1 | EA | 0 | 1 | - | - |
| 578 | | (30x22)x(52x36) Reducer | 2 | EA | 0 | 2 | - | - |
| 579 | | (32x12)x(22x10) Reducer | 1 | EA | 0 | 1 | - | - |
| 580 | | (32x16)x(14x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 581 | | (32x16)x(20x16) Reducer | 1 | EA | 0 | 1 | - | - |
| 582 | | (32x16)x(22x14) Reducer | 2 | EA | 0 | 2 | - | - |
| 583 | | (32x18)x(22x18) Reducer | 1 | EA | 0 | 1 | - | - |
| 584 | | (32x24)x(32x18) Reducer | 1 | EA | 0 | 1 | - | - |
| 585 | | (34x14)x(20x12) Reducer | 1 | EA | 0 | 1 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 586 | | (34x14)x(20x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 587 | | (34x14)x(22x20) Reducer | 1 | EA | 0 | 1 | - | - |
| 588 | | (34x16)x(22x14) Reducer | 4 | EA | 0 | 4 | - | - |
| 589 | | (34x16)x(22x24) Reducer | 2 | EA | 0 | 2 | - | - |
| 590 | | (34x18)x(28x14) Reducer | 2 | EA | 0 | 2 | - | - |
| 591 | | (34x28)x(60x48) Reducer | 1 | EA | 0 | 1 | - | - |
| 592 | | (36x14)x(18x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 593 | | (36x14)x(20x12) Reducer | 1 | EA | 0 | 1 | - | - |
| 594 | | (36x14)x(20x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 595 | | (36x14)x(20x16) Reducer | 1 | EA | 0 | 1 | - | - |
| 596 | | (36x14)x(22x20) Reducer | 2 | EA | 0 | 2 | - | - |
| 597 | | (36x14)x(22x22) Reducer | 3 | EA | 0 | 3 | - | - |
| 598 | | (36x14)x(24x14) Reducer | 2 | EA | 0 | 2 | - | - |
| 599 | | (36x14)x(24x22) Reducer | 11 | EA | 0 | 11 | - | - |
| 600 | | (36x14)x(26x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 601 | | (36x14)x(26x20) Reducer | 1 | EA | 0 | 1 | - | - |
| 602 | | (36x14)x(28x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 603 | | (36x14)x(30x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 604 | | (36x14)x(30x18) Reducer | 5 | EA | 0 | 5 | - | - |
| 605 | | (36x14)x(32x16) Reducer | 3 | EA | 0 | 3 | - | - |
| 606 | | (36x14)x(34x16) Reducer | 2 | EA | 0 | 2 | - | - |
| 607 | | (36x18)x(22x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 608 | | (36x18)x(26x18) Reducer | 1 | EA | 0 | 1 | - | - |
| 609 | | (36x24)x(36x18) Reducer | 1 | EA | 0 | 1 | - | - |
| 610 | | (36x28)x(10x10) Reducer | 2 | EA | 0 | 2 | - | - |
| 611 | | (38x18)x(52x32) Reducer | 4 | EA | 0 | 4 | - | - |
| 612 | | (38x24)x(32x24) Reducer | 1 | EA | 0 | 1 | - | - |
| 613 | | (40x18)x(24x18) Reducer | 1 | EA | 0 | 1 | - | - |
| 614 | | (42x10)x(30x12) Reducer | 2 | EA | 0 | 2 | - | - |
| 615 | | (42x24)x(36x24) Reducer | 1 | EA | 0 | 1 | - | - |
| 616 | | (42x24)x(38x24) Reducer | 1 | EA | 0 | 1 | - | - |
| 617 | | (48x14)x(28x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 618 | | (60x22)x(34x28) Reducer | 2 | EA | 0 | 2 | - | - |
| 619 | | (60x22)x(36x18) Reducer | 1 | EA | 0 | 1 | - | - |
| 620 | | (60x22)x(38x20) Reducer | 1 | EA | 0 | 1 | - | - |
| 621 | | (60x22)x(40x18) Reducer | 1 | EA | 0 | 1 | - | - |
| 622 | | (60x22)x(40x22) Reducer | 1 | EA | 0 | 1 | - | - |
| 623 | | (60x22)x(40x24) Reducer | 1 | EA | 0 | 1 | - | - |
| 624 | | (60x22)x(40x28) Reducer | 1 | EA | 0 | 1 | - | - |
| 625 | | (60x22)x(42x24) Reducer | 2 | EA | 0 | 2 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 626 | | (60x22)x(50x18) Reducer | 1 | EA | 0 | 1 | - | - |
| 627 | | (60x22)x(50x20) Reducer | 1 | EA | 0 | 1 | - | - |
| 628 | | (60x26)x(48x14) Reducer | 1 | EA | 0 | 1 | - | - |
| 629 | | (8" Dia) Tee | 2 | EA | 0 | 2 | - | - |
| 630 | | (16x10)x(16x4)x(16x4) Tee | 1 | EA | 0 | 1 | - | - |
| 631 | | (18x12)x(14x12)x(8x10) Tee | 1 | EA | 0 | 1 | - | - |
| 632 | | (20x14)x(14x14)x(12x12) Tee | 1 | EA | 0 | 1 | - | - |
| 633 | | (20x20)x(20x20)x(28x14) Tee | 1 | EA | 0 | 1 | - | - |
| 634 | | (22x22)x(22x20)x(12x10) Tee | 1 | EA | 0 | 1 | - | - |
| 635 | | (40x32)x(30x12)x(18x12) Tee | 1 | EA | 0 | 1 | - | - |
| 636 | | (52x36)x(40x28)x(40x28) Tee | 2 | EA | 0 | 2 | - | - |
| 637 | | (22x14)x(10" Dia) Transition | 1 | EA | 0 | 1 | - | - |
| **PIPE WORK** | | | | | | | | |
| **Refrigerant Pipe (Copper Tube Type 'L')** | | | | | | | | |
| 638 | | 3/4" Refrigerant Suction Line | 260.65 | LF | 0.1 | 287 | - | - |
| 639 | | 1/2" Refrigerant Liquid Line | 260.65 | LF | 0.1 | 287 | - | - |
| **Condensate Pipe (Copper Tube Type 'L')** | | | | | | | | |
| 640 | | 1" Condensate Drain Pipe | 1485.04 | LF | 0.1 | 1634 | - | - |
| 641 | | 3/4" Condensate Drain Pipe | 54.47 | LF | 0.1 | 60 | - | - |
| **FITTINGS** | | | | | | | | |
| 642 | | 1/2" Elbow @ 90 | 27 | EA | 0 | 27 | - | - |
| 643 | | 3/4" Elbow @ 90 | 27 | EA | 0 | 27 | - | - |
| 644 | | 1" Cleanout | 41 | EA | 0 | 41 | - | - |
| 645 | | 1" P-Trap | 41 | EA | 0 | 41 | - | - |
| 646 | | 1" Tee | 41 | EA | 0 | 41 | - | - |
| **AIR DEVICES** | | | | | | | | |
| 647 | | SJ: Supply Diffuser<br>MFR: Titus<br>MDL: OMNI-AA<br>SIZE: 24x48 | 428 | EA | 0 | 428 | - | - |
| 648 | | SK: Supply Diffuser<br>MFR: Titus<br>MDL: OMNI-AA<br>SIZE: 12x12 | 2 | EA | 0 | 2 | - | - |
| 649 | | SM: Supply Diffuser<br>MFR: Titus<br>MDL: TMS-AA<br>SIZE: 24x24 | 18 | EA | 0 | 18 | - | - |
| 650 | | SN: Supply Diffuser<br>MFR: Titus<br>MDL: TMS-AA<br>SIZE: 12x12 | 1 | EA | 0 | 1 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 651 | | LSE: Slot Diffuser<br>MFR: Titus<br>MDL: TBDI-80<br>SIZE: 2 Slots 48" WIDTH | 3 | EA | 0 | 3 | - | - |
| 652 | | LSE: Slot Diffuser<br>MFR: Titus<br>MDL: TBDI-80<br>SIZE: 4 Slots 48" WIDTH | 8 | EA | 0 | 8 | - | - |
| 653 | | LSL: Slot Diffuser<br>MFR: Titus<br>MDL: TBDI-80<br>SIZE: 3 Slots 48" WIDTH | 1 | EA | 0 | 1 | - | - |
| 654 | | MC: Supply Diffuser<br>MFR: Titus<br>MDL: PAR-AA<br>SIZE: 24x24 | 2 | EA | 0 | 2 | - | - |
| 655 | | MF: Supply Diffuser<br>MFR: Titus<br>MDL: PAR-AA<br>SIZE: 24x24 | 4 | EA | 0 | 4 | - | - |
| 656 | | SW: Wall Supply<br>MFR: Titus<br>MDL: 300FS<br>SIZE: 14x8 | 3 | EA | 0 | 3 | - | - |
| 657 | | SW: Wall Supply<br>MFR: Titus<br>MDL: 300FS<br>SIZE: 20x16 | 2 | EA | 0 | 2 | - | - |
| 658 | | SX: Duct Mounted Supply<br>MFR: Titus<br>MDL: 300FS<br>Size: 12x6 | 1 | EA | 0 | 1 | - | - |
| 659 | | RA: RETURN GRILLE<br>MFR: TITUS<br>MDL: 350FL<br>SIZE: 24x12 (22x10) | 18 | EA | 0 | 18 | - | - |
| 660 | | RB: RETURN GRILLE<br>MFR: TITUS<br>MDL: 350FL<br>SIZE: 24x24 (22x22) | 85 | EA | 0 | 85 | - | - |
| 661 | | RW: WALL RETURN<br>MFR: TITUS<br>MDL: 350FL/S<br>SIZE: 20x16 | 2 | EA | 0 | 2 | - | - |
| 662 | | EE: EXHAUST GRILLE<br>MFR: TITUS<br>MDL: 350FL<br>SIZE: 24x24 (22x22) | 12 | EA | 0 | 12 | - | - |
| **EQUIPMENT & ACCESSORIES** | | | | | | | | |
| 663 | | EF-01-01: Exhaust Fan<br>MFR: GREENHECK<br>Model: G-120-VG<br>CFM: 825<br>Weight: 54 | 1 | EA | 0 | 1 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 664 | | EF-01-02: Exhaust Fan<br>MFR: GREENHECK<br>Model: G-120-VG<br>CFM: 825<br>Weight: 54 | 1 | EA | 0 | 1 | - | - |
| 665 | | EF-01-03: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 666 | | EF-01-04: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 667 | | EF-01-05: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 668 | | EF-01-06: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 669 | | EF-01-07: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 670 | | EF-01-08: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 671 | | EF-01-09: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 672 | | EF-01-10: Exhaust Fan<br>MFR: GREENHECK<br>Model: SQ-120-VG<br>CFM: 600<br>Weight: 70 | 1 | EA | 0 | 1 | - | - |
| 673 | | EF-01-11: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 674 | | EF-01-12: Exhaust Fan<br>MFR: GREENHECK<br>Model: SQ-120-VG<br>CFM: 750<br>Weight: 70 | 1 | EA | 0 | 1 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 675 | | EF-01-13: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 676 | | EF-02-01: Exhaust Fan<br>MFR: GREENHECK<br>Model: G-120-VG<br>CFM: 825<br>Weight: 54 | 1 | EA | 0 | 1 | - | - |
| 677 | | EF-02-02: Exhaust Fan<br>MFR: GREENHECK<br>Model: G-120-VG<br>CFM: 825<br>Weight: 54 | 1 | EA | 0 | 1 | - | - |
| 678 | | EF-02-03: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 679 | | EF-02-04: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 680 | | EF-02-05: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 681 | | EF-02-06: Exhaust Fan<br>MFR: GREENHECK<br>Model: CSP-A110<br>CFM: 75<br>Weight: 16 | 1 | EA | 0 | 1 | - | - |
| 682 | | SF-01-01: Fan<br>MFR: GREENHECK<br>Model: SQ-16-M2<br>CFM: 5600<br>Weight: 150 | 1 | EA | 0 | 1 | - | - |
| 683 | | SF-01-02: Fan<br>MFR: GREENHECK<br>Model: SQ-160<br>CFM: 3150<br>Weight: 150 | 1 | EA | 0 | 1 | - | - |
| 684 | | MS-IU-01: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNSAP241A<br>CFM: 813<br>MBH: 22<br>Weight/LBS: 40 | 1 | EA | 0 | 1 | - | - |
| 685 | | MS-IU-02: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNSAP241A<br>CFM: 813<br>MVH: 22<br>Weight/LBS: 40 | 1 | EA | 0 | 1 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 686 | | MS-IU-03: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNSAP241A<br>CFM: 813<br>MBH: 22<br>Weight/LBS: 40 | 1 | EA | 0 | 1 | - | - |
| 687 | | MS-IU-04: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNSAE121A<br>CFM: 459<br>MBH: 11<br>Weight/LBS: 20 | 1 | EA | 0 | 1 | - | - |
| 688 | | MS-IU-05: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNSAP241A<br>CFM: 813<br>MBH: 22<br>Weight/LBS: 40 | 1 | EA | 0 | 1 | - | - |
| 689 | | MS-IU-06: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNSAP241A<br>CFM: 813<br>MBH: 22<br>Weight/LBS: 40 | 1 | EA | 0 | 1 | - | - |
| 690 | | MS-IU-07: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNSAE121A<br>CFM: 459<br>MBH: 11<br>Weight/LBS: 20 | 1 | EA | 0 | 1 | - | - |
| 691 | | MS-IU-08: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNSAE091A<br>CFM: 353<br>MBH: 9<br>Weight/LBS: 20 | 1 | EA | 0 | 1 | - | - |
| 692 | | MS-IU-09: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNSAE091A<br>CFM: 353<br>MBH: 9<br>Weight/LBS: 20 | 1 | EA | 0 | 1 | - | - |
| 693 | | MS-IU-10: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNUJB241A<br>CFM: 706<br>MBH: 23<br>Weight/LBS: 75 | 1 | EA | 0 | 1 | - | - |
| 694 | | MS-IU-11: Mini Split Indoor Unit<br>MFR: LG<br>Model: KNUJB241A<br>CFM: 706<br>MBH: 23<br>Weight/LBS: 75 | 1 | EA | 0 | 1 | - | - |
| 695 | | MS-OU-01: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSAP241A<br>MBH: 22<br>Weight/LBS: 150 | 1 | EA | 0 | 1 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 696 | | MS-OU-02: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSAP241A<br>MBH: 22<br>Weight/LBS: 150 | 1 | EA | 0 | 1 | - | - |
| 697 | | MS-OU-03: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSAP241A<br>MBH: 22<br>Weight/LBS: 150 | 1 | EA | 0 | 1 | - | - |
| 698 | | MS-OU-04: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSAE121A<br>MBH: 11<br>Weight/LBS: 60 | 1 | EA | 0 | 1 | - | - |
| 699 | | MS-OU-05: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSAP241A<br>MBH: 22<br>Weight/LBS: 150 | 1 | EA | 0 | 1 | - | - |
| 700 | | MS-OU-06: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSAP241A<br>MBH: 22<br>Weight/LBS: 150 | 1 | EA | 0 | 1 | - | - |
| 701 | | MS-OU-07: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSAE121A<br>MBH: 11<br>Weight/LBS: 60 | 1 | EA | 0 | 1 | - | - |
| 702 | | MS-OU-08: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSAE091A<br>MBH: 9<br>Weight/LBS: 60 | 1 | EA | 0 | 1 | - | - |
| 703 | | MS-OU-09: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSAE091A<br>MBH: 9<br>Weight/LBS: 60 | 1 | EA | 0 | 1 | - | - |
| 704 | | MS-OU-10: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSXB241A<br>MBH: 23<br>Weight/LBS: 145 | 1 | EA | 0 | 1 | - | - |
| 705 | | MS-OU-11: Mini Split Outdoor Unit<br>MFR: LG<br>Model: KUSXB241A<br>MBH: 23<br>Weight/LBS: 145 | 1 | EA | 0 | 1 | - | - |
| 706 | | EUH-01: Electric Unit Heater w/ Steel Grille & Surface Mount Adapter<br>MFR: MARKEL<br>Model: F3317T2SRPW<br>CFM: 350<br>BTUH: 16380 | 1 | EA | 0 | 1 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 707 | | EUH-02: Electric Unit Heater w/ Steel Grille & Surface Mount Adapter<br>MFR: MARKEL<br>Model: F3317T2SRPW<br>CFM: 350<br>BTUH: 16380 | 1 | EA | 0 | 1 | - | - |
| 708 | | EUH-03: Electric Unit Heater w/ Steel Grille & Surface Mount Adapter<br>MFR: MARKEL<br>Model: F3317T2SRPW<br>CFM: 350<br>BTUH: 16380 | 1 | EA | 0 | 1 | - | - |
| 709 | | DOAU-01: Kitchen Dedicated Outside Air Unit<br>MFR: CAPTIVEAIRE<br>Model: CAS-HVAC4-I.400-20-25T<br>Weight: 5600<br>MBS: 352.9 | 1 | EA | 0 | 1 | - | - |
| 710 | | DOAU-02: Kitchen Dedicated Outside Air Unit<br>MFR: CAPTIVEAIRE<br>Model: CAS-HVAC4-I.400-20-25T<br>Weight: 5600<br>MBS: 352.9 | 1 | EA | 0 | 1 | - | - |
| 711 | | KEF-01: Kitchen Exhaust Fan<br>MFR: CAPTIVE-AIRE<br>Model: DU85HFA<br>CFM: 1400<br>Weight: 94 | 1 | EA | 0 | 1 | - | - |
| 712 | | KEF-02: Kitchen Exhaust Fan<br>MFR: CAPTIVE-AIRE<br>Model: DU85HFA<br>CFM: 1400<br>Weight: 94 | 1 | EA | 0 | 1 | - | - |
| 713 | | KEF-03: Kitchen Exhaust Fan<br>MFR: CAPTIVE-AIRE<br>Model: DU180HFA<br>CFM: 2700<br>Weight: 144 | 1 | EA | 0 | 1 | - | - |
| 714 | | KEF-04: Kitchen Exhaust Fan<br>MFR: CAPTIVE-AIRE<br>Model: DU180HFA<br>CFM: 2100<br>Weight: 145 | 1 | EA | 0 | 1 | - | - |
| 715 | | KEF-05: Kitchen Exhaust Fan<br>MFR: CAPTIVE-AIRE<br>Model: DU33HFA<br>CFM: 600<br>Weight: 68 | 1 | EA | 0 | 1 | - | - |
| 716 | | LVR-01: Louver<br>MFR: GREENHECK<br>Model: AFL-601<br>Face Size: 60x48<br>CFM: 5600 | 1 | EA | 0 | 1 | - | - |
| 717 | | LVR-02: Louver<br>MFR: GREENHECK<br>Model: AFL-601<br>Face Size: 60x48<br>CFM: 5600 | 1 | EA | 0 | 1 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 718 | | LVR-03: Louver<br>MFR: GREENHECK<br>Model: AFL-501<br>Face Size: 52x32<br>CFM: 2975 | 1 | EA | 0 | 1 | - | - |
| 719 | | LVR-04: Louver<br>MFR: GREENHECK<br>Model: AFL-501<br>Face Size: 52x32<br>CFM: 2975 | 1 | EA | 0 | 1 | - | - |
| 720 | | LVR-05: Louver<br>MFR: GREENHECK<br>Model: AFL-501<br>Face Size: 52x32<br>CFM: 2975 | 1 | EA | 0 | 1 | - | - |
| 721 | | LVR-06: Louver<br>MFR: GREENHECK<br>Model: AFL-501<br>Face Size: 52x32<br>CFM: 2975 | 1 | EA | 0 | 1 | - | - |
| 722 | | LVR-07: Louver<br>MFR: GREENHECK<br>Model: AFL-501<br>Face Size: 20x20<br>CFM: 600 | 1 | EA | 0 | 1 | - | - |
| 723 | | LVR-08: Louver<br>MFR: GREENHECK<br>Model: AFL-501<br>Face Size: 24x20<br>CFM: 750 | 1 | EA | 0 | 1 | - | - |
| 724 | | LVR-09: Louver<br>MFR: GREENHECK<br>Model: AFL-601<br>Face Size: 48x48<br>CFM: 3150 | 1 | EA | 0 | 1 | - | - |
| 725 | | LVR-10: Louver<br>MFR: GREENHECK<br>Model: AFL-601<br>Face Size: 48x48<br>CFM: 3150 | 1 | EA | 0 | 1 | - | - |
| 726 | | LVR-11: Louver<br>MFR: GREENHECK<br>Model: AFL-501<br>Face Size: 52x36<br>CFM: 3250 | 1 | EA | 0 | 1 | - | - |
| 727 | | LVR-12: Louver<br>MFR: GREENHECK<br>Model: AFL-501<br>Face Size: 52x36<br>CFM: 3250 | 1 | EA | 0 | 1 | - | - |
| 728 | | LVR-13: Louver<br>MFR: GREENHECK<br>Model: AFL-501<br>Face Size: 52x36<br>CFM: 3250 | 1 | EA | 0 | 1 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 729 | | LVR-14: Louver<br>MFR: GREENHECK<br>Model: AFL-501<br>Face Size: 52x36<br>CFM: 3250 | 1 | EA | 0 | 1 | - | - |
| 730 | | RTU-01-01: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG03604<br>MBH: 38.7<br>WEIGHT: 750 | 1 | EA | 0 | 1 | - | - |
| 731 | | RTU-01-02: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG03604<br>MBH: 34.3<br>WEIGHT: 650 | 1 | EA | 0 | 1 | - | - |
| 732 | | RTU-01-03: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG03604<br>MBH: 34.0<br>WEIGHT: 650 | 1 | EA | 0 | 1 | - | - |
| 733 | | RTU-01-04: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG03604<br>MBH: 34.0<br>WEIGHT: 650 | 1 | EA | 0 | 1 | - | - |
| 734 | | RTU-01-05: Roof Top Unit<br>MFR: AAON<br>MDL: RT-120-20J<br>MBH: 242.5<br>WEIGHT: 4800 | 1 | EA | 0 | 1 | - | - |
| 735 | | RTU-01-06: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 91.3<br>WEIGHT: 1400 | 1 | EA | 0 | 1 | - | - |
| 736 | | RTU-01-01: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG03604<br>MBH: 38.7<br>WEIGHT: 750 | 1 | EA | 0 | 1 | - | - |
| 737 | | RTU-01-08: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 91.3<br>WEIGHT: 1400 | 1 | EA | 0 | 1 | - | - |
| 738 | | RTU-01-09: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 91.4<br>WEIGHT: 1400 | 1 | EA | 0 | 1 | - | - |
| 739 | | RTU-01-10: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.6<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |

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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 740 | | RTU-01-11: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.6<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 741 | | RTU-01-12: Roof Top Unit<br>MFR: AAON<br>MDL: RT-120-25J<br>MBH: 286.3<br>WEIGHT: 4950 | 1 | EA | 0 | 1 | - | - |
| 742 | | RTU-01-13: Roof Top Unit<br>MFR: AAON<br>MDL: RT-120-25J<br>MBH: 286.3<br>WEIGHT: 4950 | 1 | EA | 0 | 1 | - | - |
| 743 | | RTU-01-14: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG09004<br>MBH: 90.5<br>WEIGHT: 1400 | 1 | EA | 0 | 1 | - | - |
| 744 | | RTU-01-15: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG03604<br>MBH: 59.5<br>WEIGHT: 750 | 1 | EA | 0 | 1 | - | - |
| 745 | | RTU-01-16: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 91.4<br>WEIGHT: 1400 | 1 | EA | 0 | 1 | - | - |
| 746 | | RTU-01-17: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.5<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 747 | | RTU-01-18: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.5<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 748 | | RTU-01-19: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.5<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 749 | | RTU-01-20: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 102.5<br>WEIGHT: 1400 | 1 | EA | 0 | 1 | - | - |
| 750 | | RTU-01-21: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 90.8<br>WEIGHT: 1400 | 1 | EA | 0 | 1 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 751 | | RTU-01-22: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG03604<br>MBH: 34.1<br>WEIGHT: 650 | 1 | EA | 0 | 1 | - | - |
| 752 | | RTU-01-23: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG03604<br>MBH: 58.1<br>WEIGHT: 750 | 1 | EA | 0 | 1 | - | - |
| 753 | | RTU-01-24: Roof Top Unit<br>MFR: AAON<br>MDL: RT-120-30J<br>MBH: 364.7<br>WEIGHT: 5000 | 1 | EA | 0 | 1 | - | - |
| 754 | | RTU-01-25: Roof Top Unit<br>MFR: AAON<br>MDL: RT-120-30J<br>MBH: 364.7<br>WEIGHT: 5000 | 1 | EA | 0 | 1 | - | - |
| 755 | | RTU-02-01: Roof Top Unit<br>MFR: AAON<br>MDL: RT-70-15J<br>MBH: 164.7<br>WEIGHT: 2700 | 1 | EA | 0 | 1 | - | - |
| 756 | | RTU-02-02: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG04804<br>MBH: 45.5<br>WEIGHT: 725 | 1 | EA | 0 | 1 | - | - |
| 757 | | RTU-02-03: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.4<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 758 | | RTU-02-04: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.4<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 759 | | RTU-02-05: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 116.8<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 760 | | RTU-02-06: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.5<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 761 | | RTU-02-07: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.0<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 762 | | RTU-02-08: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.5<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 763 | | RTU-02-09: Roof Top Unit<br>MFR: AAON<br>MDL: RT-70-15J<br>MBH: 166.7<br>WEIGHT: 2700 | 1 | EA | 0 | 1 | - | - |
| 764 | | RTU-02-10: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.5<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 765 | | RTU-02-11: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 140.1<br>WEIGHT: 1425 | 1 | EA | 0 | 1 | - | - |
| 766 | | RTU-02-12: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.0<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 767 | | RTU-02-13: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 117.2<br>WEIGHT: 1450 | 1 | EA | 0 | 1 | - | - |
| 768 | | RTU-02-14: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-007<br>MBH: 70.0<br>WEIGHT: 800 | 1 | EA | 0 | 1 | - | - |
| 769 | | RTU-02-15: Roof Top Unit<br>MFR: AAON<br>MDL: RNA-010<br>MBH: 102.9<br>WEIGHT: 1400 | 1 | EA | 0 | 1 | - | - |
| 770 | | RTU-02-16: Roof Top Unit<br>MFR: DAIKIN<br>MDL: DHG03604<br>MBH: 34.3<br>WEIGHT: 650 | 1 | EA | 0 | 1 | - | - |
| 771 | | Sound Attenuator<br>Size: 14x34x60<br>MFR: VIBRO-ACOUSTICS<br>Model: RED-MV-1276820a | 1 | EA | 0 | 1 | - | - |
| 772 | | RTU-01-14 SA: Sound Attenuator<br>Size: 14x28x60<br>MFR: VIBRO-ACOUSTICS<br>Model: RED-MV-1276820a | 1 | EA | 0 | 1 | - | - |
| 773 | | RTU-01-15 RA: Sound Attenuator<br>Size: 20x16x72<br>MFR: VIBRO-ACOUSTICS<br>Model: RD-MLV-1276820a | 1 | EA | 0 | 1 | - | - |

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|---|---|---|---|---|---|---|---|---|
| 774 | | RTU-01-15 SA: Sound Attenuator<br>Size: 20x14x72<br>MFR: VIBRO-ACOUSTICS<br>Model: RD-MLV-1276820a | 1 | EA | 0 | 1 | - | - |
| 775 | | RTU-02-09 RA: Sound Attenuator<br>Size: 38x20x144<br>MFR: VIBRO-ACOUSTICS<br>Model: RED-UHV-1276820a | 1 | EA | 0 | 1 | - | - |
| 776 | | RTU-02-09 SA: Sound Attenuator<br>Size: 18x36x144<br>MFR: VIBRO-ACOUSTICS<br>Model: RED-HV-1276820 | 1 | EA | 0 | 1 | - | - |
| 777 | | Balance Damper | 588 | EA | 0 | 588 | - | - |
| 778 | | Combo Thermostat\Humidistat | 2 | EA | 0 | 2 | - | - |
| 779 | | Fire Damper | 16 | EA | 0 | 16 | - | - |
| 780 | | Motorized Damper | 6 | EA | 0 | 6 | - | - |
| 781 | | Pressure Sensor | 2 | EA | 0 | 2 | - | - |
| 782 | | Temperature Sensor | 58 | EA | 0 | 58 | - | - |
| 783 | | Exhaust Roof Cap | 3 | EA | 0 | 3 | - | - |
| 784 | | Thermostat | 18 | EA | 0 | 18 | - | - |
| 785 | | Bird screen & Drainable Blades | 14 | EA | 0 | 14 | - | - |
| 786 | | Condensate Pump | 11 | EA | 0 | 11 | - | - |
| 787 | | Kiln Ventilation | 1 | EA | 0 | 1 | - | - |
| 788 | | KH-01: Kitchen Hood<br>MFR: CAPTIVEAIRE<br>Model: 7224 ND-2<br>CFM: 1400<br>Installation Only | 1 | EA | 0 | 1 | - | - |
| 789 | | KH-01: Kitchen Hood<br>MFR: CAPTIVEAIRE<br>Model: 7224 ND-2<br>CFM: 1400<br>Installation Only | 1 | EA | 0 | 1 | - | - |
| 790 | | KH-01: Kitchen Hood<br>MFR: CAPTIVEAIRE<br>Model: 7224 ND-2<br>CFM: 2700<br>Installation Only | 1 | EA | 0 | 1 | - | - |
| 791 | | KH-01: Kitchen Hood<br>MFR: CAPTIVEAIRE<br>Model: 7224 ND-2<br>CFM: 2100<br>Installation Only | 1 | EA | 0 | 1 | - | - |
| **MISCELLANEOUS** | | | | | | | | |
| 792 | | WMS \| 1.5 SF | 1 | EA | 0 | 1 | - | - |
| 793 | | WMS \| 1.95 SF | 1 | EA | 0 | 1 | - | - |
| 794 | | WMS \| 2.78 SF | 1 | EA | 0 | 1 | - | - |
| 795 | | WMS \| 3.36 SF | 1 | EA | 0 | 1 | - | - |
| 796 | | WMS \| 8.8 SF | 1 | EA | 0 | 1 | - | - |
| 797 | | Concentric Vent Kit | 2 | EA | 0 | 2 | - | - |

RBC ESTIMATION
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| # | REF. | DESCRIPTION | QTY. | UNIT | WASTAGE | TOTAL QTY. | UNIT COST | TOTAL COST |
|---|---|---|---|---|---|---|---|---|
| 798 | | Strap Hangers on Both Sides @ Rectangular Duct Work | 3925 | EA | 0 | 3925 | - | - |
| 799 | | Hangers @ Round Ductwork | 100 | EA | 0 | 100 | - | - |
| 800 | | Hanger Rod w/ 3/16"x3" Steel Plate | 4025 | EA | 0 | 4025 | - | - |
| 801 | | Ring Hangers @ Refrigerant Pipe | 105 | EA | 0 | 105 | - | - |
| 802 | | 3/8" Hanger Rod | 105 | EA | 0 | 105 | - | - |
| 803 | | Pre-Manufacture Roof Curb w/ 1-1/2" Rigid Insulation | 977.9 | LF | 0.1 | 1076 | - | - |
| **INSULATION** | | | | | | | | |
| **DUCTWORK** | | | | | | | | |
| 804 | | 1.-1/2" Thick Type III Flexible Glass Fiber Commercial Grade w/ Factory Applied Foil Scrim Craft Jacket Insulation | 50965 | SF | 0.1 | 56062 | - | - |
| 805 | | 1/2" Thick Type I Flexible Glass Fiber Duct Liner w/ Coated Air Side Insulation | 1322 | SF | 0.1 | 1455 | - | - |
| 806 | | (2) 1-1/2" Thick Layers of Inorganic Blanket Encapsulated w/ Scrim Reinforced Foil Insulation | 509 | SF | 0.1 | 560 | - | - |
| 807 | | 2" Thick Type III Flexible Glass Fiber Commercial Grade w/ Factory Applied Foil Scrim Craft Jacket Insulation | 113 | SF | 0.1 | 125 | - | - |
| 808 | | 1" Thick Type I Flexible Glass Fiber Duct Liner w/ Coated Air Side Insulation | 2378 | SF | 0.1 | 2616 | - | - |
| **PIPE WORK** | | | | | | | | |
| 809 | | 1/2" Thick Type I, flexible, closed cell elastomeric Insulation @ Condensate Pipe | 1540 | LF | 0.1 | 1694 | - | - |
| 810 | | 1/2" Thick Type I, flexible, closed cell elastomeric Insulation @ Refrigerant Pipe | 521.3 | LF | 0.1 | 574 | - | - |

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