

**Report By:**

**National TAB  
1329 E. KEMPER ROAD  
SUITE 4210  
CINCINNATI, OH 45246**



**Report: VAVs  
Function: Test, Adjust, & Balance  
Date: 12/01/2022**

**PROJECT  
DAYTON CHILDREN'S HOSPITAL (DAYTON,  
OH)**

1 Childrens Plaza

Dayton, OH 45404

**Client**

Cinfab, LLC  
5240 Lester Road  
Cincinnati, OH 45213

# National TAB

Project: DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

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Comfort. Under control.

**VAV - Single Duct**

# National TAB

Project:DAYTON CHILDREN'S HOSPITAL (DAYTON, OH)

| Asset      |      |            |                |         |                |         |                 |          |          |
|------------|------|------------|----------------|---------|----------------|---------|-----------------|----------|----------|
| Asset Name | Type | Inlet Size | Design Max CFM | Max CFM | Design Min CFM | Min CFM | Design Heat CFM | Heat CFM | Ak (max) |
| 63-1-10    | VAV  | 7"         | 430            | 417     | 410            | 409     | 410             | 413      | 933.4    |
| 63-1-11    | VAV  | 6"         | 200            | 197     | 125            | 132     | 125             | 127      | 527.6    |
| 63-1-12    | VAV  | 6"         | 240            | 243     | 160            | 162     | 160             | 158      | 516.0    |
| 63-1-13    | VAV  | 6"         | 240            | 245     | 170            | 174     | 170             | 165      | 504.2    |
| 63-1-14    | VAV  | 7"         | 530            | 526     | 465            | 459     | 465             | 471      | 965.9    |
| 63-1-15    | VAV  | 6"         | 240            | 249     | 160            | 162     | 160             | 158      | 552.6    |
| 63-1-16    | VAV  | 6"         | 240            | 252     | 160            | 164     | 160             | 163      | 612.2    |
| 63-1-17    | VAV  | 6"         | 180            | 191     | 65             | 71      | 90              | 92       | 569.1    |
| 63-1-18    | VAV  | 6"         | 180            | 180     | 100            | 102     | 100             | 101      | 501.2    |
| 63-1-19    | VAV  | 6"         | 140            | 138     | 80             | 82      | 80              | 81       | 477.6    |
| 63-1-01    | VAV  | 9"         | 780            | 799     | 780            | 784     | 515             | 521      | 1544.9   |
| 63-1-02    |      | 24"        | 2420           |         | 2420           |         | 2180            |          |          |
| 63-1-03    | VAV  | 16"        | 1890           | 1901    | 1890           | 1891    | 945             | 956      | 3230.9   |
| 63-1-04    | VAV  | 9"         | 750            | 759     | 750            | 751     | 715             | 720      | 1537.9   |
| 63-1-05    | VAV  | 9"         | 795            | 802     | 795            | 797     | 760             | 768      | 1560.8   |
| 63-1-06    | VAV  | 7"         | 450            | 451     | 140            | 142     | 225             | 231      | 924.1    |
| 63-1-07    | VAV  | 6"         | 140            | 144     | 70             | 74      | 140             | 141      | 556.4    |
| 63-1-08    | VAV  | 6"         | 300            | 303     | 70             | 72      | 150             | 149      | 529.4    |
| 63-1-09    | VAV  | 6"         | 245            | 243     | 70             | 72      | 125             | 129      | 484.6    |
| 63-2-10    | VAV  | 9"         | 885            | 867     | 605            | 601     | 605             | 601      | 1622.6   |
| 63-2-11    | VAV  | 12"        | 1175           | 1176    | 400            | 409     | 765             | 771      | 2091.8   |
| 63-2-12    | VAV  | 14"        | 1715           | 1734    | 400            | 406     | 1115            | 1184     | 2697.2   |
| 63-2-13    | VAV  | 12"        | 1200           | 1194    | 300            | 312     | 600             | 592      | 2151.7   |
| 63-2-14    |      | 24"        | 3500           |         | 1000           |         | 2275            |          |          |
| 63-2-15    | VAV  | 6"         | 100            | 99      | 70             | 69      | 100             | 99       | 629.8    |
| 63-2-16    | VAV  | 24"        | 2420           | 2440    | 1105           | 1115    | 2180            | 2204     | 5720     |
| 63-2-17    | VAV  | 6"         | 150            | 150     | 70             | 74      | 75              | 74       | 492.7    |
| 63-2-18    | VAV  | 6"         | 300            |         | 300            |         | 300             |          |          |
| 63-2-19    | VAV  | 7"         | 370            | 367     | 100            | 108     | 185             | 188      | 978.1    |
| 63-2-20    | VAV  | 3"         | 200            | 196     | 150            | 153     | 150             | 153      | 535.2    |
| 63-2-01    | VAV  | 12"        | 980            | 1002    | 615            | 621     | 615             | 621      | 2081.7   |
| 63-2-02    | VAV  | 7"         | 400            | 401     | 300            | 304     | 300             | 304      | 966.3    |
| 63-2-03    | VAV  | 9"         | 870            | 868     | 770            | 760     | 770             | 760      | 1477.3   |
| 63-2-04    |      | 9"         | 650            |         | 650            |         | 650             |          |          |
| 63-2-05    | VAV  | 14"        | 1280           | 1290    | 400            | 406     | 835             | 835      | 2639.2   |
| 63-2-06    | VAV  | 12"        | 1180           | 1351    | 350            | 360     | 590             | 596      | 1867.3   |
| 63-2-07    | VAV  | 14"        | 1555           | 1557    | 445            | 451     | 780             | 775      | 3007.9   |
| 63-2-08    | VAV  | 6"         | 200            | 206     | 150            | 154     | 150             | 154      | 487.9    |
| 63-2-09    | VAV  | 6"         | 175            |         | 165            |         | 165             |          | 422.8    |
| 63-3-10    | VAV  | 8"         | 530            | 548     | 170            | 177     | 265             | 272      | 940.2    |
| 63-3-11    | VAV  | 8"         | 600            | 620     | 290            | 293     | 300             | 319      | 901.6    |
| 63-3-12    | VAV  | 8"         | 600            | 626     | 225            | 230     | 300             | 303      | 988.1    |
| 63-3-13    | VAV  | 8"         | 400            | 399     | 320            | 313     | 320             | 327      | 1019.2   |
| 63-3-14    | VAV  | 8"         | 425            | 432     | 425            | 427     | 425             | 420      | 917.4    |
| 63-3-15    | VAV  | 6"         | 200            | 195     | 70             | 72      | 100             | 101      | 560.0    |
| 63-3-16    | VAV  | 6"         | 350            | 368     | 350            | 368     | 350             | 362      | 547.1    |
| 63-3-17    | VAV  | 8"         | 400            | 414     | 320            | 322     | 320             | 329      | 964.9    |
| 63-3-18    | VAV  | 10"        | 655            | 669     | 655            | 660     | 655             | 649      | 1437.6   |
| 63-3-19    | VAV  | 6"         | 200            | 206     | 190            | 199     | 190             | 194      | 522.9    |
| 63-3-20    | VAV  | 10"        | 805            | 816     | 805            | 822     | 805             | 801      | 1648.34  |
| 63-3-21    | VAV  | 8"         | 550            | 549     | 125            | 130     | 330             | 333      | 913.3    |
| 63-3-22    | VAV  | 8"         | 600            | 608     | 125            | 130     | 360             | 368      | 947.6    |
| 63-3-23    | VAV  | 10"        | 825            | 852     | 225            | 230     | 495             | 487      | 1630.2   |
| 63-3-24    | VAV  | 8"         | 600            | 611     | 125            | 130     | 360             | 372      | 943.3    |
| 63-3-25    | VAV  | 8"         | 365            | 377     | 125            | 130     | 220             | 228      | 929.3    |
| 63-3-26    | VAV  | 8"         | 400            | 424     | 320            | 333     | 320             | 311      | 927.4    |
| 63-3-27    | VAV  | 8"         | 485            | 500     | 485            | 492     | 485             | 499      | 919.8    |
| 63-3-28    | VAV  | 6"         | 295            | 314     | 75             | 78      | 150             | 159      | 504.3    |
| 63-3-29    | VAV  | 6"         | 250            | 256     | 75             | 78      | 125             | 130      | 487.1    |
| 63-3-01    | VAV  | 10"        | 770            | 806     | 510            | 512     | 510             | 518      | 1381.8   |
| 63-3-02    | VAV  | 10"        | 800            | 832     | 510            | 517     | 510             | 522      | 1537.6   |
| 63-3-03    | VAV  | 12"        | 900            | 921     | 290            | 298     | 450             | 456      | 2131.3   |
| 63-3-04    | VAV  | 6"         | 300            | 315     | 225            | 230     | 225             | 237      | 525.4    |
| 63-3-05    | VAV  | 8"         | 400            | 403     | 125            | 130     | 200             | 208      | 986.4    |
| 63-3-06    | VAV  | 8"         | 600            | 627     | 290            | 313     | 300             | 305      | 935.6    |

|         |     |     |      |      |      |      |      |      |         |
|---------|-----|-----|------|------|------|------|------|------|---------|
| 63-3-07 | VAV | 6"  | 360  | 375  | 360  | 362  | 360  | 370  | 667.6   |
| 63-3-08 | VAV | 6"  | 350  | 346  | 70.  | 72   | 175  | 180  | 474.2   |
| 63-3-09 | VAV | 16" | 1860 | 1859 | 450  | 461  | 1210 | 1224 | 3525.9  |
| 63-4-10 | VAV | 6"  | 175  | 179  | 165  | 170  | 165  | 161  | 575.6   |
| 63-4-11 | VAV | 14" | 1715 | 1735 | 360  | 372  | 1115 | 1142 | 2738.6  |
| 63-4-12 | VAV | 9"  | 640  | 650  | 235  | 242  | 420  | 427  | 1236.3  |
| 63-4-13 | VAV | 6"  | 300  | 296  | 225  | 230  | 225  | 231  | 520.8   |
| 63-4-14 | VAV | 9"  | 660  | 686  | 660  | 644  | 660  | 655  | 1314.6  |
| 63-4-15 | VAV | 7"  | 440  | 446  | 170  | 177  | 265  | 288  | 702.8   |
| 63-4-16 | VAV | 9"  | 620  | 640  | 165  | 172  | 310  | 312  | 1134.6  |
| 63-4-17 | VAV | 6"  | 325  | 340  | 180  | 188  | 195  | 190  | 533.9   |
| 63-4-18 | VAV | 6"  | 200  | 210  | 150  | 162  | 150  | 155  | 588.3   |
| 63-4-19 | CAV | 9"  | 730  | 759  | 730  | 725  | 730  | 740  | 1353.9  |
| 63-4-20 | VAV | 6"  | 200  | 208  | 200  | 210  | 200  | 206  | 552.3   |
| 63-4-21 | VAV | 9"  | 805  | 797  | 805  | 792  | 805  | 815  | 1070.0  |
| 63-4-22 | VAV | 9"  | 735  | 747  | 165  | 164  | 445  | 453  | 1071.0  |
| 63-4-23 | VAV | 6"  | 100  | 98   | 100  | 105  | 100  | 92   | 432.4   |
| 63-4-01 | VAV | 9"  | 740  | 736  | 550  | 549  | 550  | 561  | 1210.2  |
| 63-4-02 | VAV | 6"  | 200  | 213  | 150  | 155  | 150  | 148  | 562.7   |
| 63-4-03 | VAV | 6"  | 160  | 164  | 65   | 66   | 80   | 82   | 502.3   |
| 63-4-04 | VAV | 16" | 1860 | 1875 | 430  | 436  | 1210 | 1218 | 3189.6  |
| 63-4-05 | VAV | 7"  | 415  | 425  | 160  | 169  | 210  | 213  | 702.3   |
| 63-4-06 | VAV | 12" | 915  | 936  | 915  | 920  | 915  | 909  | 2183.5  |
| 63-4-07 |     | 7"  | 315  |      | 240  |      | 240  |      |         |
| 63-4-08 | VAV | 7"  | 400  | 428  | 300  | 317  | 300  | 310  | 723.5   |
| 63-4-09 | VAV | 7"  | 400  | 420  | 300  | 313  | 300  | 310  | 734.0   |
| 63-5-01 | VAV | 16" | 1600 | 1668 | 0    | 0    | 1600 | 1621 | 3743.2  |
| 63-5-02 |     | 16" | 1860 |      | 500  |      | 1210 |      |         |
| 63-6-01 | VAV | 14" | 1500 | 1533 | 1000 | 1020 | 1000 | 1032 | 3005    |
| 63-6-02 | VAV | 12" | 900  | 906  | 0    | 0    | 0    | 0    | 2052.77 |

| Asset      |      |            |                |         |                |         |                 |          |          |
|------------|------|------------|----------------|---------|----------------|---------|-----------------|----------|----------|
| Asset Name | Type | Inlet Size | Design Max CFM | Max CFM | Design Min CFM | Min CFM | Design Heat CFM | Heat CFM | Ak (max) |
| 63-1-10    | VAV  | 7"         | 430            | 417     | 410            | 409     | 410             | 413      | 933.4    |
| 63-1-11    | VAV  | 6"         | 200            | 197     | 125            | 132     | 125             | 127      | 527.6    |
| 63-1-12    | VAV  | 6"         | 240            | 243     | 160            | 162     | 160             | 158      | 516.0    |
| 63-1-13    | VAV  | 6"         | 240            | 245     | 170            | 174     | 170             | 165      | 504.2    |
| 63-1-14    | VAV  | 7"         | 530            | 526     | 465            | 459     | 465             | 471      | 965.9    |
| 63-1-15    | VAV  | 6"         | 240            | 249     | 160            | 162     | 160             | 158      | 552.6    |
| 63-1-16    | VAV  | 6"         | 240            | 252     | 160            | 164     | 160             | 163      | 612.2    |
| 63-1-17    | VAV  | 6"         | 180            | 191     | 65             | 71      | 90              | 92       | 569.1    |
| 63-1-18    | VAV  | 6"         | 180            | 180     | 100            | 102     | 100             | 101      | 501.2    |
| 63-1-19    | VAV  | 6"         | 140            | 138     | 80             | 82      | 80              | 81       | 477.6    |
| 63-1-01    | VAV  | 9"         | 780            | 799     | 780            | 784     | 515             | 521      | 1544.9   |
| 63-1-02    |      | 24"        | 2420           |         | 2420           |         | 2180            |          |          |
| 63-1-03    | VAV  | 16"        | 1890           | 1901    | 1890           | 1891    | 945             | 956      | 3230.9   |
| 63-1-04    | VAV  | 9"         | 750            | 759     | 750            | 751     | 715             | 720      | 1537.9   |
| 63-1-05    | VAV  | 9"         | 795            | 802     | 795            | 797     | 760             | 768      | 1560.8   |
| 63-1-06    | VAV  | 7"         | 450            | 451     | 140            | 142     | 225             | 231      | 924.1    |
| 63-1-07    | VAV  | 6"         | 140            | 144     | 70             | 74      | 140             | 141      | 556.4    |
| 63-1-08    | VAV  | 6"         | 300            | 303     | 70             | 72      | 150             | 149      | 529.4    |
| 63-1-09    | VAV  | 6"         | 245            | 243     | 70             | 72      | 125             | 129      | 484.6    |
| 63-2-10    | VAV  | 9"         | 885            | 867     | 605            | 601     | 605             | 601      | 1622.6   |
| 63-2-11    | VAV  | 12"        | 1175           | 1176    | 400            | 409     | 765             | 771      | 2091.8   |
| 63-2-12    | VAV  | 14"        | 1715           | 1734    | 400            | 406     | 1115            | 1184     | 2697.2   |
| 63-2-13    | VAV  | 12"        | 1200           | 1194    | 300            | 312     | 600             | 592      | 2151.7   |
| 63-2-14    |      | 24"        | 3500           |         | 1000           |         | 2275            |          |          |
| 63-2-15    | VAV  | 6"         | 100            | 99      | 70             | 69      | 100             | 99       | 629.8    |
| 63-2-16    | VAV  | 24"        | 2420           | 2440    | 1105           | 1115    | 2180            | 2204     | 5720     |
| 63-2-17    | VAV  | 6"         | 150            | 150     | 70             | 74      | 75              | 74       | 492.7    |
| 63-2-18    | VAV  | 6"         | 300            |         | 300            |         | 300             |          |          |
| 63-2-19    | VAV  | 7"         | 370            | 367     | 100            | 108     | 185             | 188      | 978.1    |
| 63-2-20    | VAV  | 3"         | 200            | 196     | 150            | 153     | 150             | 153      | 535.2    |
| 63-2-01    | VAV  | 12"        | 980            | 1002    | 615            | 621     | 615             | 621      | 2081.7   |
| 63-2-02    | VAV  | 7"         | 400            | 401     | 300            | 304     | 300             | 304      | 966.3    |
| 63-2-03    | VAV  | 9"         | 870            | 868     | 770            | 760     | 770             | 760      | 1477.3   |
| 63-2-04    |      | 9"         | 650            |         | 650            |         | 650             |          |          |
| 63-2-05    | VAV  | 14"        | 1280           | 1290    | 400            | 406     | 835             | 835      | 2639.2   |
| 63-2-06    | VAV  | 12"        | 1180           | 1351    | 350            | 360     | 590             | 596      | 1867.3   |
| 63-2-07    | VAV  | 14"        | 1555           | 1557    | 445            | 451     | 780             | 775      | 3007.9   |
| 63-2-08    | VAV  | 6"         | 200            | 206     | 150            | 154     | 150             | 154      | 487.9    |
| 63-2-09    | VAV  | 6"         | 175            |         | 165            |         | 165             |          | 422.8    |
| 63-3-10    | VAV  | 8"         | 530            | 548     | 170            | 177     | 265             | 272      | 940.2    |
| 63-3-11    | VAV  | 8"         | 600            | 620     | 290            | 293     | 300             | 319      | 901.6    |
| 63-3-12    | VAV  | 8"         | 600            | 626     | 225            | 230     | 300             | 303      | 988.1    |
| 63-3-13    | VAV  | 8"         | 400            | 399     | 320            | 313     | 320             | 327      | 1019.2   |
| 63-3-14    | VAV  | 8"         | 425            | 432     | 425            | 427     | 425             | 420      | 917.4    |
| 63-3-15    | VAV  | 6"         | 200            | 195     | 70             | 72      | 100             | 101      | 560.0    |
| 63-3-16    | VAV  | 6"         | 350            | 368     | 350            | 368     | 350             | 362      | 547.1    |
| 63-3-17    | VAV  | 8"         | 400            | 414     | 320            | 322     | 320             | 329      | 964.9    |
| 63-3-18    | VAV  | 10"        | 655            | 669     | 655            | 660     | 655             | 649      | 1437.6   |
| 63-3-19    | VAV  | 6"         | 200            | 206     | 190            | 199     | 190             | 194      | 522.9    |
| 63-3-20    | VAV  | 10"        | 805            | 816     | 805            | 822     | 805             | 801      | 1648.34  |
| 63-3-21    | VAV  | 8"         | 550            | 549     | 125            | 130     | 330             | 333      | 913.3    |
| 63-3-22    | VAV  | 8"         | 600            | 608     | 125            | 130     | 360             | 368      | 947.6    |
| 63-3-23    | VAV  | 10"        | 825            | 852     | 225            | 230     | 495             | 487      | 1630.2   |
| 63-3-24    | VAV  | 8"         | 600            | 611     | 125            | 130     | 360             | 372      | 943.3    |
| 63-3-25    | VAV  | 8"         | 365            | 377     | 125            | 130     | 220             | 228      | 929.3    |
| 63-3-26    | VAV  | 8"         | 400            | 424     | 320            | 333     | 320             | 311      | 927.4    |
| 63-3-27    | VAV  | 8"         | 485            | 500     | 485            | 492     | 485             | 499      | 919.8    |
| 63-3-28    | VAV  | 6"         | 295            | 314     | 75             | 78      | 150             | 159      | 504.3    |
| 63-3-29    | VAV  | 6"         | 250            | 256     | 75             | 78      | 125             | 130      | 487.1    |
| 63-3-01    | VAV  | 10"        | 770            | 806     | 510            | 512     | 510             | 518      | 1381.8   |
| 63-3-02    | VAV  | 10"        | 800            | 832     | 510            | 517     | 510             | 522      | 1537.6   |
| 63-3-03    | VAV  | 12"        | 900            | 921     | 290            | 298     | 450             | 456      | 2131.3   |
| 63-3-04    | VAV  | 6"         | 300            | 315     | 225            | 230     | 225             | 237      | 525.4    |
| 63-3-05    | VAV  | 8"         | 400            | 403     | 125            | 130     | 200             | 208      | 986.4    |
| 63-3-06    | VAV  | 8"         | 600            | 627     | 290            | 313     | 300             | 305      | 935.6    |

|         |     |     |      |      |      |      |      |      |         |
|---------|-----|-----|------|------|------|------|------|------|---------|
| 63-3-07 | VAV | 6"  | 360  | 375  | 360  | 362  | 360  | 370  | 667.6   |
| 63-3-08 | VAV | 6"  | 350  | 346  | 70.  | 72   | 175  | 180  | 474.2   |
| 63-3-09 | VAV | 16" | 1860 | 1859 | 450  | 461  | 1210 | 1224 | 3525.9  |
| 63-4-10 | VAV | 6"  | 175  | 179  | 165  | 170  | 165  | 161  | 575.6   |
| 63-4-11 | VAV | 14" | 1715 | 1735 | 360  | 372  | 1115 | 1142 | 2738.6  |
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| 63-4-13 | VAV | 6"  | 300  | 296  | 225  | 230  | 225  | 231  | 520.8   |
| 63-4-14 | VAV | 9"  | 660  | 686  | 660  | 644  | 660  | 655  | 1314.6  |
| 63-4-15 | VAV | 7"  | 440  | 446  | 170  | 177  | 265  | 288  | 702.8   |
| 63-4-16 | VAV | 9"  | 620  | 640  | 165  | 172  | 310  | 312  | 1134.6  |
| 63-4-17 | VAV | 6"  | 325  | 340  | 180  | 188  | 195  | 190  | 533.9   |
| 63-4-18 | VAV | 6"  | 200  | 210  | 150  | 162  | 150  | 155  | 588.3   |
| 63-4-19 | CAV | 9"  | 730  | 759  | 730  | 725  | 730  | 740  | 1353.9  |
| 63-4-20 | VAV | 6"  | 200  | 208  | 200  | 210  | 200  | 206  | 552.3   |
| 63-4-21 | VAV | 9"  | 805  | 797  | 805  | 792  | 805  | 815  | 1070.0  |
| 63-4-22 | VAV | 9"  | 735  | 747  | 165  | 164  | 445  | 453  | 1071.0  |
| 63-4-23 | VAV | 6"  | 100  | 98   | 100  | 105  | 100  | 92   | 432.4   |
| 63-4-01 | VAV | 9"  | 740  | 736  | 550  | 549  | 550  | 561  | 1210.2  |
| 63-4-02 | VAV | 6"  | 200  | 213  | 150  | 155  | 150  | 148  | 562.7   |
| 63-4-03 | VAV | 6"  | 160  | 164  | 65   | 66   | 80   | 82   | 502.3   |
| 63-4-04 | VAV | 16" | 1860 | 1875 | 430  | 436  | 1210 | 1218 | 3189.6  |
| 63-4-05 | VAV | 7"  | 415  | 425  | 160  | 169  | 210  | 213  | 702.3   |
| 63-4-06 | VAV | 12" | 915  | 936  | 915  | 920  | 915  | 909  | 2183.5  |
| 63-4-07 |     | 7"  | 315  |      | 240  |      | 240  |      |         |
| 63-4-08 | VAV | 7"  | 400  | 428  | 300  | 317  | 300  | 310  | 723.5   |
| 63-4-09 | VAV | 7"  | 400  | 420  | 300  | 313  | 300  | 310  | 734.0   |
| 63-5-01 | VAV | 16" | 1600 | 1668 | 0    | 0    | 1600 | 1621 | 3743.2  |
| 63-5-02 |     | 16" | 1860 |      | 500  |      | 1210 |      |         |
| 63-6-01 | VAV | 14" | 1500 | 1533 | 1000 | 1020 | 1000 | 1032 | 3005    |
| 63-6-02 | VAV | 12" | 900  | 906  | 0    | 0    | 0    | 0    | 2052.77 |

| Asset      |      |            |                |         |                |         |                 |          |          |
|------------|------|------------|----------------|---------|----------------|---------|-----------------|----------|----------|
| Asset Name | Type | Inlet Size | Design Max CFM | Max CFM | Design Min CFM | Min CFM | Design Heat CFM | Heat CFM | Ak (max) |
| 63-1-10    | VAV  | 7"         | 430            | 417     | 410            | 409     | 410             | 413      | 933.4    |
| 63-1-11    | VAV  | 6"         | 200            | 197     | 125            | 132     | 125             | 127      | 527.6    |
| 63-1-12    | VAV  | 6"         | 240            | 243     | 160            | 162     | 160             | 158      | 516.0    |
| 63-1-13    | VAV  | 6"         | 240            | 245     | 170            | 174     | 170             | 165      | 504.2    |
| 63-1-14    | VAV  | 7"         | 530            | 526     | 465            | 459     | 465             | 471      | 965.9    |
| 63-1-15    | VAV  | 6"         | 240            | 249     | 160            | 162     | 160             | 158      | 552.6    |
| 63-1-16    | VAV  | 6"         | 240            | 252     | 160            | 164     | 160             | 163      | 612.2    |
| 63-1-17    | VAV  | 6"         | 180            | 191     | 65             | 71      | 90              | 92       | 569.1    |
| 63-1-18    | VAV  | 6"         | 180            | 180     | 100            | 102     | 100             | 101      | 501.2    |
| 63-1-19    | VAV  | 6"         | 140            | 138     | 80             | 82      | 80              | 81       | 477.6    |
| 63-1-01    | VAV  | 9"         | 780            | 799     | 780            | 784     | 515             | 521      | 1544.9   |
| 63-1-02    |      | 24"        | 2420           |         | 2420           |         | 2180            |          |          |
| 63-1-03    | VAV  | 16"        | 1890           | 1901    | 1890           | 1891    | 945             | 956      | 3230.9   |
| 63-1-04    | VAV  | 9"         | 750            | 759     | 750            | 751     | 715             | 720      | 1537.9   |
| 63-1-05    | VAV  | 9"         | 795            | 802     | 795            | 797     | 760             | 768      | 1560.8   |
| 63-1-06    | VAV  | 7"         | 450            | 451     | 140            | 142     | 225             | 231      | 924.1    |
| 63-1-07    | VAV  | 6"         | 140            | 144     | 70             | 74      | 140             | 141      | 556.4    |
| 63-1-08    | VAV  | 6"         | 300            | 303     | 70             | 72      | 150             | 149      | 529.4    |
| 63-1-09    | VAV  | 6"         | 245            | 243     | 70             | 72      | 125             | 129      | 484.6    |
| 63-2-10    | VAV  | 9"         | 885            | 867     | 605            | 601     | 605             | 601      | 1622.6   |
| 63-2-11    | VAV  | 12"        | 1175           | 1176    | 400            | 409     | 765             | 771      | 2091.8   |
| 63-2-12    | VAV  | 14"        | 1715           | 1734    | 400            | 406     | 1115            | 1184     | 2697.2   |
| 63-2-13    | VAV  | 12"        | 1200           | 1194    | 300            | 312     | 600             | 592      | 2151.7   |
| 63-2-14    |      | 24"        | 3500           |         | 1000           |         | 2275            |          |          |
| 63-2-15    | VAV  | 6"         | 100            | 99      | 70             | 69      | 100             | 99       | 629.8    |
| 63-2-16    | VAV  | 24"        | 2420           | 2440    | 1105           | 1115    | 2180            | 2204     | 5720     |
| 63-2-17    | VAV  | 6"         | 150            | 150     | 70             | 74      | 75              | 74       | 492.7    |
| 63-2-18    | VAV  | 6"         | 300            |         | 300            |         | 300             |          |          |
| 63-2-19    | VAV  | 7"         | 370            | 367     | 100            | 108     | 185             | 188      | 978.1    |
| 63-2-20    | VAV  | 3"         | 200            | 196     | 150            | 153     | 150             | 153      | 535.2    |
| 63-2-01    | VAV  | 12"        | 980            | 1002    | 615            | 621     | 615             | 621      | 2081.7   |
| 63-2-02    | VAV  | 7"         | 400            | 401     | 300            | 304     | 300             | 304      | 966.3    |
| 63-2-03    | VAV  | 9"         | 870            | 868     | 770            | 760     | 770             | 760      | 1477.3   |
| 63-2-04    |      | 9"         | 650            |         | 650            |         | 650             |          |          |
| 63-2-05    | VAV  | 14"        | 1280           | 1290    | 400            | 406     | 835             | 835      | 2639.2   |
| 63-2-06    | VAV  | 12"        | 1180           | 1351    | 350            | 360     | 590             | 596      | 1867.3   |
| 63-2-07    | VAV  | 14"        | 1555           | 1557    | 445            | 451     | 780             | 775      | 3007.9   |
| 63-2-08    | VAV  | 6"         | 200            | 206     | 150            | 154     | 150             | 154      | 487.9    |
| 63-2-09    | VAV  | 6"         | 175            |         | 165            |         | 165             |          | 422.8    |
| 63-3-10    | VAV  | 8"         | 530            | 548     | 170            | 177     | 265             | 272      | 940.2    |
| 63-3-11    | VAV  | 8"         | 600            | 620     | 290            | 293     | 300             | 319      | 901.6    |
| 63-3-12    | VAV  | 8"         | 600            | 626     | 225            | 230     | 300             | 303      | 988.1    |
| 63-3-13    | VAV  | 8"         | 400            | 399     | 320            | 313     | 320             | 327      | 1019.2   |
| 63-3-14    | VAV  | 8"         | 425            | 432     | 425            | 427     | 425             | 420      | 917.4    |
| 63-3-15    | VAV  | 6"         | 200            | 195     | 70             | 72      | 100             | 101      | 560.0    |
| 63-3-16    | VAV  | 6"         | 350            | 368     | 350            | 368     | 350             | 362      | 547.1    |
| 63-3-17    | VAV  | 8"         | 400            | 414     | 320            | 322     | 320             | 329      | 964.9    |
| 63-3-18    | VAV  | 10"        | 655            | 669     | 655            | 660     | 655             | 649      | 1437.6   |
| 63-3-19    | VAV  | 6"         | 200            | 206     | 190            | 199     | 190             | 194      | 522.9    |
| 63-3-20    | VAV  | 10"        | 805            | 816     | 805            | 822     | 805             | 801      | 1648.34  |
| 63-3-21    | VAV  | 8"         | 550            | 549     | 125            | 130     | 330             | 333      | 913.3    |
| 63-3-22    | VAV  | 8"         | 600            | 608     | 125            | 130     | 360             | 368      | 947.6    |
| 63-3-23    | VAV  | 10"        | 825            | 852     | 225            | 230     | 495             | 487      | 1630.2   |
| 63-3-24    | VAV  | 8"         | 600            | 611     | 125            | 130     | 360             | 372      | 943.3    |
| 63-3-25    | VAV  | 8"         | 365            | 377     | 125            | 130     | 220             | 228      | 929.3    |
| 63-3-26    | VAV  | 8"         | 400            | 424     | 320            | 333     | 320             | 311      | 927.4    |
| 63-3-27    | VAV  | 8"         | 485            | 500     | 485            | 492     | 485             | 499      | 919.8    |
| 63-3-28    | VAV  | 6"         | 295            | 314     | 75             | 78      | 150             | 159      | 504.3    |
| 63-3-29    | VAV  | 6"         | 250            | 256     | 75             | 78      | 125             | 130      | 487.1    |
| 63-3-01    | VAV  | 10"        | 770            | 806     | 510            | 512     | 510             | 518      | 1381.8   |
| 63-3-02    | VAV  | 10"        | 800            | 832     | 510            | 517     | 510             | 522      | 1537.6   |
| 63-3-03    | VAV  | 12"        | 900            | 921     | 290            | 298     | 450             | 456      | 2131.3   |
| 63-3-04    | VAV  | 6"         | 300            | 315     | 225            | 230     | 225             | 237      | 525.4    |
| 63-3-05    | VAV  | 8"         | 400            | 403     | 125            | 130     | 200             | 208      | 986.4    |
| 63-3-06    | VAV  | 8"         | 600            | 627     | 290            | 313     | 300             | 305      | 935.6    |



|         |     |     |      |      |      |      |      |      |         |
|---------|-----|-----|------|------|------|------|------|------|---------|
| 63-3-07 | VAV | 6"  | 360  | 375  | 360  | 362  | 360  | 370  | 667.6   |
| 63-3-08 | VAV | 6"  | 350  | 346  | 70.  | 72   | 175  | 180  | 474.2   |
| 63-3-09 | VAV | 16" | 1860 | 1859 | 450  | 461  | 1210 | 1224 | 3525.9  |
| 63-4-10 | VAV | 6"  | 175  | 179  | 165  | 170  | 165  | 161  | 575.6   |
| 63-4-11 | VAV | 14" | 1715 | 1735 | 360  | 372  | 1115 | 1142 | 2738.6  |
| 63-4-12 | VAV | 9"  | 640  | 650  | 235  | 242  | 420  | 427  | 1236.3  |
| 63-4-13 | VAV | 6"  | 300  | 296  | 225  | 230  | 225  | 231  | 520.8   |
| 63-4-14 | VAV | 9"  | 660  | 686  | 660  | 644  | 660  | 655  | 1314.6  |
| 63-4-15 | VAV | 7"  | 440  | 446  | 170  | 177  | 265  | 288  | 702.8   |
| 63-4-16 | VAV | 9"  | 620  | 640  | 165  | 172  | 310  | 312  | 1134.6  |
| 63-4-17 | VAV | 6"  | 325  | 340  | 180  | 188  | 195  | 190  | 533.9   |
| 63-4-18 | VAV | 6"  | 200  | 210  | 150  | 162  | 150  | 155  | 588.3   |
| 63-4-19 | CAV | 9"  | 730  | 759  | 730  | 725  | 730  | 740  | 1353.9  |
| 63-4-20 | VAV | 6"  | 200  | 208  | 200  | 210  | 200  | 206  | 552.3   |
| 63-4-21 | VAV | 9"  | 805  | 797  | 805  | 792  | 805  | 815  | 1070.0  |
| 63-4-22 | VAV | 9"  | 735  | 747  | 165  | 164  | 445  | 453  | 1071.0  |
| 63-4-23 | VAV | 6"  | 100  | 98   | 100  | 105  | 100  | 92   | 432.4   |
| 63-4-01 | VAV | 9"  | 740  | 736  | 550  | 549  | 550  | 561  | 1210.2  |
| 63-4-02 | VAV | 6"  | 200  | 213  | 150  | 155  | 150  | 148  | 562.7   |
| 63-4-03 | VAV | 6"  | 160  | 164  | 65   | 66   | 80   | 82   | 502.3   |
| 63-4-04 | VAV | 16" | 1860 | 1875 | 430  | 436  | 1210 | 1218 | 3189.6  |
| 63-4-05 | VAV | 7"  | 415  | 425  | 160  | 169  | 210  | 213  | 702.3   |
| 63-4-06 | VAV | 12" | 915  | 936  | 915  | 920  | 915  | 909  | 2183.5  |
| 63-4-07 |     | 7"  | 315  |      | 240  |      | 240  |      |         |
| 63-4-08 | VAV | 7"  | 400  | 428  | 300  | 317  | 300  | 310  | 723.5   |
| 63-4-09 | VAV | 7"  | 400  | 420  | 300  | 313  | 300  | 310  | 734.0   |
| 63-5-01 | VAV | 16" | 1600 | 1668 | 0    | 0    | 1600 | 1621 | 3743.2  |
| 63-5-02 |     | 16" | 1860 |      | 500  |      | 1210 |      |         |
| 63-6-01 | VAV | 14" | 1500 | 1533 | 1000 | 1020 | 1000 | 1032 | 3005    |
| 63-6-02 | VAV | 12" | 900  | 906  | 0    | 0    | 0    | 0    | 2052.77 |

| Asset      |      |            |                |         |                |         |                 |          |          |
|------------|------|------------|----------------|---------|----------------|---------|-----------------|----------|----------|
| Asset Name | Type | Inlet Size | Design Max CFM | Max CFM | Design Min CFM | Min CFM | Design Heat CFM | Heat CFM | Ak (max) |
| 63-1-10    | VAV  | 7"         | 430            | 417     | 410            | 409     | 410             | 413      | 933.4    |
| 63-1-11    | VAV  | 6"         | 200            | 197     | 125            | 132     | 125             | 127      | 527.6    |
| 63-1-12    | VAV  | 6"         | 240            | 243     | 160            | 162     | 160             | 158      | 516.0    |
| 63-1-13    | VAV  | 6"         | 240            | 245     | 170            | 174     | 170             | 165      | 504.2    |
| 63-1-14    | VAV  | 7"         | 530            | 526     | 465            | 459     | 465             | 471      | 965.9    |
| 63-1-15    | VAV  | 6"         | 240            | 249     | 160            | 162     | 160             | 158      | 552.6    |
| 63-1-16    | VAV  | 6"         | 240            | 252     | 160            | 164     | 160             | 163      | 612.2    |
| 63-1-17    | VAV  | 6"         | 180            | 191     | 65             | 71      | 90              | 92       | 569.1    |
| 63-1-18    | VAV  | 6"         | 180            | 180     | 100            | 102     | 100             | 101      | 501.2    |
| 63-1-19    | VAV  | 6"         | 140            | 138     | 80             | 82      | 80              | 81       | 477.6    |
| 63-1-01    | VAV  | 9"         | 780            | 799     | 780            | 784     | 515             | 521      | 1544.9   |
| 63-1-02    |      | 24"        | 2420           |         | 2420           |         | 2180            |          |          |
| 63-1-03    | VAV  | 16"        | 1890           | 1901    | 1890           | 1891    | 945             | 956      | 3230.9   |
| 63-1-04    | VAV  | 9"         | 750            | 759     | 750            | 751     | 715             | 720      | 1537.9   |
| 63-1-05    | VAV  | 9"         | 795            | 802     | 795            | 797     | 760             | 768      | 1560.8   |
| 63-1-06    | VAV  | 7"         | 450            | 451     | 140            | 142     | 225             | 231      | 924.1    |
| 63-1-07    | VAV  | 6"         | 140            | 144     | 70             | 74      | 140             | 141      | 556.4    |
| 63-1-08    | VAV  | 6"         | 300            | 303     | 70             | 72      | 150             | 149      | 529.4    |
| 63-1-09    | VAV  | 6"         | 245            | 243     | 70             | 72      | 125             | 129      | 484.6    |
| 63-2-10    | VAV  | 9"         | 885            | 867     | 605            | 601     | 605             | 601      | 1622.6   |
| 63-2-11    | VAV  | 12"        | 1175           | 1176    | 400            | 409     | 765             | 771      | 2091.8   |
| 63-2-12    | VAV  | 14"        | 1715           | 1734    | 400            | 406     | 1115            | 1184     | 2697.2   |
| 63-2-13    | VAV  | 12"        | 1200           | 1194    | 300            | 312     | 600             | 592      | 2151.7   |
| 63-2-14    |      | 24"        | 3500           |         | 1000           |         | 2275            |          |          |
| 63-2-15    | VAV  | 6"         | 100            | 99      | 70             | 69      | 100             | 99       | 629.8    |
| 63-2-16    | VAV  | 24"        | 2420           | 2440    | 1105           | 1115    | 2180            | 2204     | 5720     |
| 63-2-17    | VAV  | 6"         | 150            | 150     | 70             | 74      | 75              | 74       | 492.7    |
| 63-2-18    | VAV  | 6"         | 300            |         | 300            |         | 300             |          |          |
| 63-2-19    | VAV  | 7"         | 370            | 367     | 100            | 108     | 185             | 188      | 978.1    |
| 63-2-20    | VAV  | 3"         | 200            | 196     | 150            | 153     | 150             | 153      | 535.2    |
| 63-2-01    | VAV  | 12"        | 980            | 1002    | 615            | 621     | 615             | 621      | 2081.7   |
| 63-2-02    | VAV  | 7"         | 400            | 401     | 300            | 304     | 300             | 304      | 966.3    |
| 63-2-03    | VAV  | 9"         | 870            | 868     | 770            | 760     | 770             | 760      | 1477.3   |
| 63-2-04    |      | 9"         | 650            |         | 650            |         | 650             |          |          |
| 63-2-05    | VAV  | 14"        | 1280           | 1290    | 400            | 406     | 835             | 835      | 2639.2   |
| 63-2-06    | VAV  | 12"        | 1180           | 1351    | 350            | 360     | 590             | 596      | 1867.3   |
| 63-2-07    | VAV  | 14"        | 1555           | 1557    | 445            | 451     | 780             | 775      | 3007.9   |
| 63-2-08    | VAV  | 6"         | 200            | 206     | 150            | 154     | 150             | 154      | 487.9    |
| 63-2-09    | VAV  | 6"         | 175            |         | 165            |         | 165             |          | 422.8    |
| 63-3-10    | VAV  | 8"         | 530            | 548     | 170            | 177     | 265             | 272      | 940.2    |
| 63-3-11    | VAV  | 8"         | 600            | 620     | 290            | 293     | 300             | 319      | 901.6    |
| 63-3-12    | VAV  | 8"         | 600            | 626     | 225            | 230     | 300             | 303      | 988.1    |
| 63-3-13    | VAV  | 8"         | 400            | 399     | 320            | 313     | 320             | 327      | 1019.2   |
| 63-3-14    | VAV  | 8"         | 425            | 432     | 425            | 427     | 425             | 420      | 917.4    |
| 63-3-15    | VAV  | 6"         | 200            | 195     | 70             | 72      | 100             | 101      | 560.0    |
| 63-3-16    | VAV  | 6"         | 350            | 368     | 350            | 368     | 350             | 362      | 547.1    |
| 63-3-17    | VAV  | 8"         | 400            | 414     | 320            | 322     | 320             | 329      | 964.9    |
| 63-3-18    | VAV  | 10"        | 655            | 669     | 655            | 660     | 655             | 649      | 1437.6   |
| 63-3-19    | VAV  | 6"         | 200            | 206     | 190            | 199     | 190             | 194      | 522.9    |
| 63-3-20    | VAV  | 10"        | 805            | 816     | 805            | 822     | 805             | 801      | 1648.34  |
| 63-3-21    | VAV  | 8"         | 550            | 549     | 125            | 130     | 330             | 333      | 913.3    |
| 63-3-22    | VAV  | 8"         | 600            | 608     | 125            | 130     | 360             | 368      | 947.6    |
| 63-3-23    | VAV  | 10"        | 825            | 852     | 225            | 230     | 495             | 487      | 1630.2   |
| 63-3-24    | VAV  | 8"         | 600            | 611     | 125            | 130     | 360             | 372      | 943.3    |
| 63-3-25    | VAV  | 8"         | 365            | 377     | 125            | 130     | 220             | 228      | 929.3    |
| 63-3-26    | VAV  | 8"         | 400            | 424     | 320            | 333     | 320             | 311      | 927.4    |
| 63-3-27    | VAV  | 8"         | 485            | 500     | 485            | 492     | 485             | 499      | 919.8    |
| 63-3-28    | VAV  | 6"         | 295            | 314     | 75             | 78      | 150             | 159      | 504.3    |
| 63-3-29    | VAV  | 6"         | 250            | 256     | 75             | 78      | 125             | 130      | 487.1    |
| 63-3-01    | VAV  | 10"        | 770            | 806     | 510            | 512     | 510             | 518      | 1381.8   |
| 63-3-02    | VAV  | 10"        | 800            | 832     | 510            | 517     | 510             | 522      | 1537.6   |
| 63-3-03    | VAV  | 12"        | 900            | 921     | 290            | 298     | 450             | 456      | 2131.3   |
| 63-3-04    | VAV  | 6"         | 300            | 315     | 225            | 230     | 225             | 237      | 525.4    |
| 63-3-05    | VAV  | 8"         | 400            | 403     | 125            | 130     | 200             | 208      | 986.4    |
| 63-3-06    | VAV  | 8"         | 600            | 627     | 290            | 313     | 300             | 305      | 935.6    |

|         |     |     |      |      |      |      |      |      |         |
|---------|-----|-----|------|------|------|------|------|------|---------|
| 63-3-07 | VAV | 6"  | 360  | 375  | 360  | 362  | 360  | 370  | 667.6   |
| 63-3-08 | VAV | 6"  | 350  | 346  | 70.  | 72   | 175  | 180  | 474.2   |
| 63-3-09 | VAV | 16" | 1860 | 1859 | 450  | 461  | 1210 | 1224 | 3525.9  |
| 63-4-10 | VAV | 6"  | 175  | 179  | 165  | 170  | 165  | 161  | 575.6   |
| 63-4-11 | VAV | 14" | 1715 | 1735 | 360  | 372  | 1115 | 1142 | 2738.6  |
| 63-4-12 | VAV | 9"  | 640  | 650  | 235  | 242  | 420  | 427  | 1236.3  |
| 63-4-13 | VAV | 6"  | 300  | 296  | 225  | 230  | 225  | 231  | 520.8   |
| 63-4-14 | VAV | 9"  | 660  | 686  | 660  | 644  | 660  | 655  | 1314.6  |
| 63-4-15 | VAV | 7"  | 440  | 446  | 170  | 177  | 265  | 288  | 702.8   |
| 63-4-16 | VAV | 9"  | 620  | 640  | 165  | 172  | 310  | 312  | 1134.6  |
| 63-4-17 | VAV | 6"  | 325  | 340  | 180  | 188  | 195  | 190  | 533.9   |
| 63-4-18 | VAV | 6"  | 200  | 210  | 150  | 162  | 150  | 155  | 588.3   |
| 63-4-19 | CAV | 9"  | 730  | 759  | 730  | 725  | 730  | 740  | 1353.9  |
| 63-4-20 | VAV | 6"  | 200  | 208  | 200  | 210  | 200  | 206  | 552.3   |
| 63-4-21 | VAV | 9"  | 805  | 797  | 805  | 792  | 805  | 815  | 1070.0  |
| 63-4-22 | VAV | 9"  | 735  | 747  | 165  | 164  | 445  | 453  | 1071.0  |
| 63-4-23 | VAV | 6"  | 100  | 98   | 100  | 105  | 100  | 92   | 432.4   |
| 63-4-01 | VAV | 9"  | 740  | 736  | 550  | 549  | 550  | 561  | 1210.2  |
| 63-4-02 | VAV | 6"  | 200  | 213  | 150  | 155  | 150  | 148  | 562.7   |
| 63-4-03 | VAV | 6"  | 160  | 164  | 65   | 66   | 80   | 82   | 502.3   |
| 63-4-04 | VAV | 16" | 1860 | 1875 | 430  | 436  | 1210 | 1218 | 3189.6  |
| 63-4-05 | VAV | 7"  | 415  | 425  | 160  | 169  | 210  | 213  | 702.3   |
| 63-4-06 | VAV | 12" | 915  | 936  | 915  | 920  | 915  | 909  | 2183.5  |
| 63-4-07 |     | 7"  | 315  |      | 240  |      | 240  |      |         |
| 63-4-08 | VAV | 7"  | 400  | 428  | 300  | 317  | 300  | 310  | 723.5   |
| 63-4-09 | VAV | 7"  | 400  | 420  | 300  | 313  | 300  | 310  | 734.0   |
| 63-5-01 | VAV | 16" | 1600 | 1668 | 0    | 0    | 1600 | 1621 | 3743.2  |
| 63-5-02 |     | 16" | 1860 |      | 500  |      | 1210 |      |         |
| 63-6-01 | VAV | 14" | 1500 | 1533 | 1000 | 1020 | 1000 | 1032 | 3005    |
| 63-6-02 | VAV | 12" | 900  | 906  | 0    | 0    | 0    | 0    | 2052.77 |

## AHU-64/ABC

| Asset      |      |            |                |         |                |         |                 |          |          |
|------------|------|------------|----------------|---------|----------------|---------|-----------------|----------|----------|
| Asset Name | Type | Inlet Size | Design Max CFM | Max CFM | Design Min CFM | Min CFM | Design Heat CFM | Heat CFM | Ak (max) |
| 64-1-10    | VAV  | 7"         | 440            | 445     | 100            | 105     | 220             | 221      | 970.0    |
| 64-1-11    | VAV  | 7"         | 370            | 363     | 280            | 284     | 280             | 281      | 914.3    |
| 64-1-12    | VAV  | 6"         | 100            | 102     | 100            | 98      | 100             | 103      | 549.2    |
| 64-1-13    | VAV  | 12"        | 930            | 918     | 930            | 924     | 930             | 927      | 2092.2   |
| 64-1-14    | VAV  | 6"         | 300            | 315     | 225            | 227     | 225             | 229      | 501.9    |
| 64-1-15    | VAV  | 6"         | 305            | 307     | 65             | 69      | 155             |          | 517.7    |
| 64-1-16    | VAV  | 6"         | 175            | 180     | 165            | 162     | 165             | 168      | 506.2    |
| 64-1-17    | VAV  | 6"         | 230            | 230     | 70             | 72      | 115             | 117      | 552.1    |
| 64-1-18    | VAV  | 8"         | 545            | 549     | 545            | 542     | 545             | 548      | 839.9    |
| 64-1-19    | VAV  | 6"         | 200            | 209     | 200            | 205     | 200             | 206      | 553.5    |
| 64-1-20    | VAV  | 9"         | 805            | 818     | 805            | 810     | 805             | 814      | 1557.4   |
| 64-1-21    | VAV  | 12"        | 950            | 937     | 290            | 295     | 475             | 465      | 2300.4   |
| 64-1-22    | VAV  | 6"         | 200            | 198     | 180            | 182     | 180             | 184      | 503.2    |
| 64-1-23    | VAV  | 6"         | 305            | 295     | 275            | 269     | 275             | 274      | 467.8    |
| 64-1-24    | VAV  | 7"         | 380            | 388     | 115            | 121     | 190             | 182      | 877.3    |
| 64-1-25    | VAV  | 7"         | 395            | 408     | 395            | 402     | 395             | 397      | 1005.4   |
| 64-1-26    | VAV  | 6"         | 200            | 205     | 180            | 182     | 180             | 178      | 537.1    |
| 64-1-27    | VAV  | 6"         | 200            | 216     | 200            | 210     | 200             | 209      | 500.42   |
| 64-1-28    | VAV  | 6"         | 230            | 239     | 230            | 225     | 230             | 234      | 536.6    |
| 64-1-29    | VAV  | 6"         | 190            | 193     | 130            | 134     | 130             | 131      | 499.2    |
| 64-1-30    | VAV  | 6"         | 100            | 107     | 100            | 104     | 100             | 105      | 894.53   |
| 64-1-01    | VAV  | 6"         | 325            | 331     | 175            | 183     | 195             | 197      | 540.4    |
| 64-1-02    | VAV  | 7"         | 400            | 395     | 170            | 172     | 260             | 261      | 880.7    |
| 64-1-03    | VAV  | 7"         | 400            | 421     | 160            | 167     | 260             | 264      | 872.3    |
| 64-1-04    | VAV  | 7"         | 500            | 491     | 340            | 345     | 450             | 456      | 889.2    |
| 64-1-05    | VAV  | 7"         | 525            | 519     | 420            | 426     | 525             | 531      | 864.8    |
| 64-1-06    | VAV  | 7"         | 450            | 434     | 240            | 250     | 315             | 320      | 1038.4   |
| 64-1-07    | VAV  | 9"         | 625            |         | 365            | 371     | 625             | 629      | 1739.7   |
| 64-1-08    | VAV  | 8"         | 600            |         | 600            |         | 600             |          |          |
| 64-1-09    | VAV  | 6"         | 315            | 310     | 205            | 204     | 205             | 207      | 505.8    |
| 64-2-10    | VAV  | 12"        | 1150           | 1138    | 1150           | 1141    | 1150            | 1152     | 2116.3   |
| 64-2-11    | VAV  | 6"         | 200            | 202     | 155            | 156     | 155             | 149      | 509.6    |
| 64-2-12    | VAV  | 6"         | 200            | 199     | 200            | 195     | 200             | 201      | 502.2    |
| 64-2-13    | VAV  | 7"         | 400            | 396     | 300            | 295     | 300             | 298      | 908.0    |
| 64-2-14    | VAV  | 12"        | 1135           | 1100    | 1135           | 1121    | 1135            | 1113     | 2358.9   |
| 64-2-15    | VAV  | 6"         | 300            | 298     | 225            | 228     | 225             | 224      | 591.7    |
| 64-2-16    | VAV  | 6"         | 300            | 286     | 225            | 220     | 225             | 221      | 533.4    |
| 64-2-17    | VAV  | 6"         | 175            | 176     | 165            | 167     | 165             | 169      | 502.6    |
| 64-2-18    | VAV  | 6"         | 175            | 179     | 165            | 160     | 165             | 167      | 540.1    |
| 64-2-19    | VAV  | 6"         | 305            | 303     | 70             | 72      | 155             | 152      | 505.9    |
| 64-2-20    | VAV  | 6"         | 200            | 199     | 150            | 152     | 150             | 148      | 499.9    |
| 64-2-21    | VAV  | 7"         | 535            | 548     | 535            | 537     | 535             | 529      | 892.8    |
| 64-2-23    | VAV  | 6"         | 365            | 367     | 365            | 360     | 365             | 371      | 510.3    |
| 64-2-24    | VAV  | 6"         | 200            | 192     | 200            | 201     | 200             | 205      | 528.7    |
| 64-2-25    | VAV  | 6"         | 135            | 138     | 70             | 74      | 70              | 71       | 500.6    |
| 64-2-26    | VAV  | 6"         | 165            | 172     | 165            | 160     | 165             | 167      | 585      |
| 64-2-27    | VAV  | 6"         | 185            | 184     | 70             | 74      | 115             | 117      | 459.1    |
| 64-2-28    | VAV  | 12"        | 1025           | 1003    | 1025           | 1015    | 1025            | 1026     | 2412.3   |
| 64-2-29    | VAV  | 16"        | 2000           | 2033    | 500            | 510     | 1000            | 1023     | 3463.8   |
| 64-2-01    | VAV  | 7"         | 415            | 415     | 185            | 189     | 295             | 302      | 943.3    |
| 64-2-02    | VAV  | 12"        | 900            | 886     | 340            | 351     | 675             | 669      | 2177.9   |
| 64-2-03    | VAV  | 6"         | 125            | 133     | 125            | 130     | 125             | 126      | 537.1    |
| 64-2-04    | VAV  | 7"         | 400            | 425     | 210            | 216     | 280             | 284      | 864.5    |
| 64-2-05    | VAV  | 12"        | 1060           | 1067    | 440            | 451     | 530             | 537      | 2215.2   |
| 64-2-06    | VAV  | 8"         | 600            | 591     | 250            | 247     | 300             | 296      | 948.7    |
| 64-2-07    | VAV  | 9"         | 640            | 663     | 180            | 189     | 515             | 524      | 1512.3   |
| 64-2-08    | VAV  | 8"         | 600            | 605     | 155            | 159     | 480             | 488      | 950.4    |
| 64-2-09    | VAV  | 12"        | 895            | 877     | 720            | 725     | 720             | 731      | 2019.7   |
| 64-3-10    | VAV  | 8"         | 465            | 468     | 465            | 459     | 465             | 462      | 923.1    |
| 64-3-11    | VAV  | 6"         | 200            | 206     | 200            | 195     | 200             | 198      | 485.6    |
| 64-3-12    | VAV  | 8"         | 385            | 391     | 375            | 379     | 375             | 368      | 900.1    |
| 64-3-13    | VAV  | 6"         | 200            | 205     | 200            | 197     | 200             | 201      | 533.2    |
| 64-3-14    | VAV  | 8"         | 565            | 561     | 565            | 571     | 565             | 559      | 915.7    |
| 64-3-15    | VAV  | 6"         | 200            | 204     | 200            | 196     | 200             | 194      | 552.0    |
| 64-3-16    | VAV  | 6"         | 200            | 197     | 80             | 83      | 120             | 124      | 546.8    |

|         |     |     |      |      |      |      |      |      |        |
|---------|-----|-----|------|------|------|------|------|------|--------|
| 64-3-17 | VAV | 12" | 1050 | 1056 | 1050 | 1049 | 1050 | 1042 | 2101.5 |
| 64-3-18 | VAV | 16" | 2000 | 1961 | 450  | 460  | 1000 | 1024 | 3679.3 |
| 64-3-19 | VAV | 6"  | 200  | 198  | 150  | 147  | 150  | 152  | 532.9  |
| 64-3-20 | VAV | 6"  | 300  | 290  | 225  | 219  | 225  | 227  | 547.3  |
| 64-3-01 | VAV | 8"  | 310  | 308  | 65   | 69   | 190  | 184  | 871.9  |
| 64-3-02 | VAV | 12" | 1055 | 1068 | 300  | 305  | 530  | 538  | 2027.2 |
| 64-3-03 | VAV | 6"  | 220  | 224  | 85   | 87   | 155  | 156  | 558.3  |
| 64-3-04 | VAV | 10" | 840  | 849  | 335  | 327  | 575  | 561  | 1577   |
| 64-3-05 | VAV | 14" | 1875 | 1776 | 665  | 672  | 1135 | 1151 | 3279.5 |
| 64-3-06 | VAV | 24" | 2250 | 2259 | 1080 | 1091 | 1465 | 1379 | 9062.2 |
| 64-3-07 | VAV | 8"  | 515  | 507  | 125  | 131  | 260  | 255  | 959.1  |
| 64-3-08 | VAV | 16" | 1970 | 1893 | 1970 | 1871 | 1970 | 1902 | 3501.7 |
| 64-3-09 | VAV | 6"  | 360  | 361  | 205  | 210  | 270  | 261  | 517.2  |
| 64-4-10 | VAV | 12" | 945  | 930  | 345  | 338  | 475  | 482  | 2232.9 |
| 64-4-11 | VAV | 9"  | 760  | 764  | 260  | 258  | 380  | 384  | 1233.4 |
| 64-4-12 | VAV | 6"  | 215  | 221  | 215  | 219  | 215  | 214  | 511.6  |
| 64-4-13 | VAV | 6"  | 275  | 266  | 275  | 271  | 275  | 276  | 554.1  |
| 64-4-14 | VAV | 6"  | 300  | 299  | 300  | 296  | 300  | 289  | 532.3  |
| 64-4-15 | VAV | 6"  | 210  | 216  | 65   | 69   | 105  | 110  | 529    |
| 64-4-16 | VAV | 6"  | 175  | 169  | 65   | 68   | 90   | 94   | 538.2  |
| 64-4-17 | VAV | 12" | 1200 | 1176 | 1200 | 1184 | 1200 | 1192 | 2314.8 |
| 64-4-18 | VAV | 7"  | 400  | 407  | 300  | 310  | 300  | 306  | 706.8  |
| 64-4-19 | VAV | 6"  | 175  | 173  | 165  | 162  | 165  | 167  | 533.3  |
| 64-4-20 | VAV | 7"  | 400  | 401  | 300  | 305  | 300  | 304  | 657.29 |
| 64-4-21 | VAV | 6"  | 175  | 186  | 165  | 169  | 165  | 172  | 512.0  |
| 64-4-22 | VAV | 6"  | 305  | 292  | 65   | 72   | 155  | 145  | 496.72 |
| 64-4-23 | VAV | 6"  | 215  | 207  | 165  | 162  | 165  | 169  | 519.5  |
| 64-4-24 | VAV | 9"  | 715  | 711  | 485  | 491  | 485  | 479  | 1299.1 |
| 64-4-25 | VAV | 6"  | 200  | 198  | 200  | 201  | 200  | 201  | 543.62 |
| 64-4-26 | VAV | 16" | 2000 | 2065 | 430  | 441  | 1000 | 1022 | 3804.5 |
| 64-4-27 | VAV | 12" | 1035 | 1019 | 1010 | 1016 | 1010 | 999  | 2301.0 |
| 64-4-28 | VAV | 6"  | 200  | 201  | 200  | 198  | 200  | 205  | 542.2  |
| 64-4-29 | VAV | 7"  | 535  | 521  | 535  | 524  | 535  | 520  | 703.84 |
| 64-4-30 | VAV | 6"  | 305  | 300  | 65   | 69   | 155  | 159  | 538.9  |
| 64-4-31 | VAV | 6"  | 200  | 207  | 150  | 151  | 150  | 155  | 521.7  |
| 64-4-32 | VAV | 6"  | 200  | 191  | 200  | 202  | 200  | 196  | 555.9  |
| 64-4-01 | VAV | 6"  | 340  | 338  | 200  | 205  | 200  | 207  | 527.98 |
| 64-4-02 | VAV | 7"  | 440  | 443  | 190  | 185  | 220  | 225  | 657    |
| 64-4-03 | VAV | 6"  | 200  | 204  | 150  | 158  | 150  | 152  | 542.89 |
| 64-4-04 | VAV | 6"  | 220  | 223  | 75   | 76   | 110  | 115  | 590.5  |
| 64-4-05 | VAV | 7"  | 405  | 406  | 95   | 91   | 205  | 210  | 671.8  |
| 64-4-06 | VAV | 6"  | 350  | 342  | 80   | 82   | 175  | 173  | 556.8  |
| 64-4-07 | VAV | 9"  | 765  | 764  | 165  | 169  | 385  | 387  | 1272   |
| 64-4-08 | VAV | 6"  | 345  | 351  | 75   | 79   | 175  | 170  | 547.69 |
| 64-4-09 | VAV | 9"  | 710  | 716  | 165  | 172  | 355  | 356  | 1315.2 |
| 64-5-01 | VAV | 16" | 1600 | 1613 | 0    | 0    | 1600 | 1587 | 3311.8 |
| 64-5-02 | VAV | 16" | 1200 | 1214 | 0    | 0    | 750  | 761  | 3363.9 |

## AHU-64/ABC

| Asset      |      |            |                |         |                |         |                 |          |          |
|------------|------|------------|----------------|---------|----------------|---------|-----------------|----------|----------|
| Asset Name | Type | Inlet Size | Design Max CFM | Max CFM | Design Min CFM | Min CFM | Design Heat CFM | Heat CFM | Ak (max) |
| 64-1-10    | VAV  | 7"         | 440            | 445     | 100            | 105     | 220             | 221      | 970.0    |
| 64-1-11    | VAV  | 7"         | 370            | 363     | 280            | 284     | 280             | 281      | 914.3    |
| 64-1-12    | VAV  | 6"         | 100            | 102     | 100            | 98      | 100             | 103      | 549.2    |
| 64-1-13    | VAV  | 12"        | 930            | 918     | 930            | 924     | 930             | 927      | 2092.2   |
| 64-1-14    | VAV  | 6"         | 300            | 315     | 225            | 227     | 225             | 229      | 501.9    |
| 64-1-15    | VAV  | 6"         | 305            | 307     | 65             | 69      | 155             |          | 517.7    |
| 64-1-16    | VAV  | 6"         | 175            | 180     | 165            | 162     | 165             | 168      | 506.2    |
| 64-1-17    | VAV  | 6"         | 230            | 230     | 70             | 72      | 115             | 117      | 552.1    |
| 64-1-18    | VAV  | 8"         | 545            | 549     | 545            | 542     | 545             | 548      | 839.9    |
| 64-1-19    | VAV  | 6"         | 200            | 209     | 200            | 205     | 200             | 206      | 553.5    |
| 64-1-20    | VAV  | 9"         | 805            | 818     | 805            | 810     | 805             | 814      | 1557.4   |
| 64-1-21    | VAV  | 12"        | 950            | 937     | 290            | 295     | 475             | 465      | 2300.4   |
| 64-1-22    | VAV  | 6"         | 200            | 198     | 180            | 182     | 180             | 184      | 503.2    |
| 64-1-23    | VAV  | 6"         | 305            | 295     | 275            | 269     | 275             | 274      | 467.8    |
| 64-1-24    | VAV  | 7"         | 380            | 388     | 115            | 121     | 190             | 182      | 877.3    |
| 64-1-25    | VAV  | 7"         | 395            | 408     | 395            | 402     | 395             | 397      | 1005.4   |
| 64-1-26    | VAV  | 6"         | 200            | 205     | 180            | 182     | 180             | 178      | 537.1    |
| 64-1-27    | VAV  | 6"         | 200            | 216     | 200            | 210     | 200             | 209      | 500.42   |
| 64-1-28    | VAV  | 6"         | 230            | 239     | 230            | 225     | 230             | 234      | 536.6    |
| 64-1-29    | VAV  | 6"         | 190            | 193     | 130            | 134     | 130             | 131      | 499.2    |
| 64-1-30    | VAV  | 6"         | 100            | 107     | 100            | 104     | 100             | 105      | 894.53   |
| 64-1-01    | VAV  | 6"         | 325            | 331     | 175            | 183     | 195             | 197      | 540.4    |
| 64-1-02    | VAV  | 7"         | 400            | 395     | 170            | 172     | 260             | 261      | 880.7    |
| 64-1-03    | VAV  | 7"         | 400            | 421     | 160            | 167     | 260             | 264      | 872.3    |
| 64-1-04    | VAV  | 7"         | 500            | 491     | 340            | 345     | 450             | 456      | 889.2    |
| 64-1-05    | VAV  | 7"         | 525            | 519     | 420            | 426     | 525             | 531      | 864.8    |
| 64-1-06    | VAV  | 7"         | 450            | 434     | 240            | 250     | 315             | 320      | 1038.4   |
| 64-1-07    | VAV  | 9"         | 625            |         | 365            | 371     | 625             | 629      | 1739.7   |
| 64-1-08    | VAV  | 8"         | 600            |         | 600            |         | 600             |          |          |
| 64-1-09    | VAV  | 6"         | 315            | 310     | 205            | 204     | 205             | 207      | 505.8    |
| 64-2-10    | VAV  | 12"        | 1150           | 1138    | 1150           | 1141    | 1150            | 1152     | 2116.3   |
| 64-2-11    | VAV  | 6"         | 200            | 202     | 155            | 156     | 155             | 149      | 509.6    |
| 64-2-12    | VAV  | 6"         | 200            | 199     | 200            | 195     | 200             | 201      | 502.2    |
| 64-2-13    | VAV  | 7"         | 400            | 396     | 300            | 295     | 300             | 298      | 908.0    |
| 64-2-14    | VAV  | 12"        | 1135           | 1100    | 1135           | 1121    | 1135            | 1113     | 2358.9   |
| 64-2-15    | VAV  | 6"         | 300            | 298     | 225            | 228     | 225             | 224      | 591.7    |
| 64-2-16    | VAV  | 6"         | 300            | 286     | 225            | 220     | 225             | 221      | 533.4    |
| 64-2-17    | VAV  | 6"         | 175            | 176     | 165            | 167     | 165             | 169      | 502.6    |
| 64-2-18    | VAV  | 6"         | 175            | 179     | 165            | 160     | 165             | 167      | 540.1    |
| 64-2-19    | VAV  | 6"         | 305            | 303     | 70             | 72      | 155             | 152      | 505.9    |
| 64-2-20    | VAV  | 6"         | 200            | 199     | 150            | 152     | 150             | 148      | 499.9    |
| 64-2-21    | VAV  | 7"         | 535            | 548     | 535            | 537     | 535             | 529      | 892.8    |
| 64-2-23    | VAV  | 6"         | 365            | 367     | 365            | 360     | 365             | 371      | 510.3    |
| 64-2-24    | VAV  | 6"         | 200            | 192     | 200            | 201     | 200             | 205      | 528.7    |
| 64-2-25    | VAV  | 6"         | 135            | 138     | 70             | 74      | 70              | 71       | 500.6    |
| 64-2-26    | VAV  | 6"         | 165            | 172     | 165            | 160     | 165             | 167      | 585      |
| 64-2-27    | VAV  | 6"         | 185            | 184     | 70             | 74      | 115             | 117      | 459.1    |
| 64-2-28    | VAV  | 12"        | 1025           | 1003    | 1025           | 1015    | 1025            | 1026     | 2412.3   |
| 64-2-29    | VAV  | 16"        | 2000           | 2033    | 500            | 510     | 1000            | 1023     | 3463.8   |
| 64-2-01    | VAV  | 7"         | 415            | 415     | 185            | 189     | 295             | 302      | 943.3    |
| 64-2-02    | VAV  | 12"        | 900            | 886     | 340            | 351     | 675             | 669      | 2177.9   |
| 64-2-03    | VAV  | 6"         | 125            | 133     | 125            | 130     | 125             | 126      | 537.1    |
| 64-2-04    | VAV  | 7"         | 400            | 425     | 210            | 216     | 280             | 284      | 864.5    |
| 64-2-05    | VAV  | 12"        | 1060           | 1067    | 440            | 451     | 530             | 537      | 2215.2   |
| 64-2-06    | VAV  | 8"         | 600            | 591     | 250            | 247     | 300             | 296      | 948.7    |
| 64-2-07    | VAV  | 9"         | 640            | 663     | 180            | 189     | 515             | 524      | 1512.3   |
| 64-2-08    | VAV  | 8"         | 600            | 605     | 155            | 159     | 480             | 488      | 950.4    |
| 64-2-09    | VAV  | 12"        | 895            | 877     | 720            | 725     | 720             | 731      | 2019.7   |
| 64-3-10    | VAV  | 8"         | 465            | 468     | 465            | 459     | 465             | 462      | 923.1    |
| 64-3-11    | VAV  | 6"         | 200            | 206     | 200            | 195     | 200             | 198      | 485.6    |
| 64-3-12    | VAV  | 8"         | 385            | 391     | 375            | 379     | 375             | 368      | 900.1    |
| 64-3-13    | VAV  | 6"         | 200            | 205     | 200            | 197     | 200             | 201      | 533.2    |
| 64-3-14    | VAV  | 8"         | 565            | 561     | 565            | 571     | 565             | 559      | 915.7    |
| 64-3-15    | VAV  | 6"         | 200            | 204     | 200            | 196     | 200             | 194      | 552.0    |
| 64-3-16    | VAV  | 6"         | 200            | 197     | 80             | 83      | 120             | 124      | 546.8    |

|         |     |     |      |      |      |      |      |      |        |
|---------|-----|-----|------|------|------|------|------|------|--------|
| 64-3-17 | VAV | 12" | 1050 | 1056 | 1050 | 1049 | 1050 | 1042 | 2101.5 |
| 64-3-18 | VAV | 16" | 2000 | 1961 | 450  | 460  | 1000 | 1024 | 3679.3 |
| 64-3-19 | VAV | 6"  | 200  | 198  | 150  | 147  | 150  | 152  | 532.9  |
| 64-3-20 | VAV | 6"  | 300  | 290  | 225  | 219  | 225  | 227  | 547.3  |
| 64-3-01 | VAV | 8"  | 310  | 308  | 65   | 69   | 190  | 184  | 871.9  |
| 64-3-02 | VAV | 12" | 1055 | 1068 | 300  | 305  | 530  | 538  | 2027.2 |
| 64-3-03 | VAV | 6"  | 220  | 224  | 85   | 87   | 155  | 156  | 558.3  |
| 64-3-04 | VAV | 10" | 840  | 849  | 335  | 327  | 575  | 561  | 1577   |
| 64-3-05 | VAV | 14" | 1875 | 1776 | 665  | 672  | 1135 | 1151 | 3279.5 |
| 64-3-06 | VAV | 24" | 2250 | 2259 | 1080 | 1091 | 1465 | 1379 | 9062.2 |
| 64-3-07 | VAV | 8"  | 515  | 507  | 125  | 131  | 260  | 255  | 959.1  |
| 64-3-08 | VAV | 16" | 1970 | 1893 | 1970 | 1871 | 1970 | 1902 | 3501.7 |
| 64-3-09 | VAV | 6"  | 360  | 361  | 205  | 210  | 270  | 261  | 517.2  |
| 64-4-10 | VAV | 12" | 945  | 930  | 345  | 338  | 475  | 482  | 2232.9 |
| 64-4-11 | VAV | 9"  | 760  | 764  | 260  | 258  | 380  | 384  | 1233.4 |
| 64-4-12 | VAV | 6"  | 215  | 221  | 215  | 219  | 215  | 214  | 511.6  |
| 64-4-13 | VAV | 6"  | 275  | 266  | 275  | 271  | 275  | 276  | 554.1  |
| 64-4-14 | VAV | 6"  | 300  | 299  | 300  | 296  | 300  | 289  | 532.3  |
| 64-4-15 | VAV | 6"  | 210  | 216  | 65   | 69   | 105  | 110  | 529    |
| 64-4-16 | VAV | 6"  | 175  | 169  | 65   | 68   | 90   | 94   | 538.2  |
| 64-4-17 | VAV | 12" | 1200 | 1176 | 1200 | 1184 | 1200 | 1192 | 2314.8 |
| 64-4-18 | VAV | 7"  | 400  | 407  | 300  | 310  | 300  | 306  | 706.8  |
| 64-4-19 | VAV | 6"  | 175  | 173  | 165  | 162  | 165  | 167  | 533.3  |
| 64-4-20 | VAV | 7"  | 400  | 401  | 300  | 305  | 300  | 304  | 657.29 |
| 64-4-21 | VAV | 6"  | 175  | 186  | 165  | 169  | 165  | 172  | 512.0  |
| 64-4-22 | VAV | 6"  | 305  | 292  | 65   | 72   | 155  | 145  | 496.72 |
| 64-4-23 | VAV | 6"  | 215  | 207  | 165  | 162  | 165  | 169  | 519.5  |
| 64-4-24 | VAV | 9"  | 715  | 711  | 485  | 491  | 485  | 479  | 1299.1 |
| 64-4-25 | VAV | 6"  | 200  | 198  | 200  | 201  | 200  | 201  | 543.62 |
| 64-4-26 | VAV | 16" | 2000 | 2065 | 430  | 441  | 1000 | 1022 | 3804.5 |
| 64-4-27 | VAV | 12" | 1035 | 1019 | 1010 | 1016 | 1010 | 999  | 2301.0 |
| 64-4-28 | VAV | 6"  | 200  | 201  | 200  | 198  | 200  | 205  | 542.2  |
| 64-4-29 | VAV | 7"  | 535  | 521  | 535  | 524  | 535  | 520  | 703.84 |
| 64-4-30 | VAV | 6"  | 305  | 300  | 65   | 69   | 155  | 159  | 538.9  |
| 64-4-31 | VAV | 6"  | 200  | 207  | 150  | 151  | 150  | 155  | 521.7  |
| 64-4-32 | VAV | 6"  | 200  | 191  | 200  | 202  | 200  | 196  | 555.9  |
| 64-4-01 | VAV | 6"  | 340  | 338  | 200  | 205  | 200  | 207  | 527.98 |
| 64-4-02 | VAV | 7"  | 440  | 443  | 190  | 185  | 220  | 225  | 657    |
| 64-4-03 | VAV | 6"  | 200  | 204  | 150  | 158  | 150  | 152  | 542.89 |
| 64-4-04 | VAV | 6"  | 220  | 223  | 75   | 76   | 110  | 115  | 590.5  |
| 64-4-05 | VAV | 7"  | 405  | 406  | 95   | 91   | 205  | 210  | 671.8  |
| 64-4-06 | VAV | 6"  | 350  | 342  | 80   | 82   | 175  | 173  | 556.8  |
| 64-4-07 | VAV | 9"  | 765  | 764  | 165  | 169  | 385  | 387  | 1272   |
| 64-4-08 | VAV | 6"  | 345  | 351  | 75   | 79   | 175  | 170  | 547.69 |
| 64-4-09 | VAV | 9"  | 710  | 716  | 165  | 172  | 355  | 356  | 1315.2 |
| 64-5-01 | VAV | 16" | 1600 | 1613 | 0    | 0    | 1600 | 1587 | 3311.8 |
| 64-5-02 | VAV | 16" | 1200 | 1214 | 0    | 0    | 750  | 761  | 3363.9 |

## AHU-64/ABC

| Asset      |      |            |                |         |                |         |                 |          |          |
|------------|------|------------|----------------|---------|----------------|---------|-----------------|----------|----------|
| Asset Name | Type | Inlet Size | Design Max CFM | Max CFM | Design Min CFM | Min CFM | Design Heat CFM | Heat CFM | Ak (max) |
| 64-1-10    | VAV  | 7"         | 440            | 445     | 100            | 105     | 220             | 221      | 970.0    |
| 64-1-11    | VAV  | 7"         | 370            | 363     | 280            | 284     | 280             | 281      | 914.3    |
| 64-1-12    | VAV  | 6"         | 100            | 102     | 100            | 98      | 100             | 103      | 549.2    |
| 64-1-13    | VAV  | 12"        | 930            | 918     | 930            | 924     | 930             | 927      | 2092.2   |
| 64-1-14    | VAV  | 6"         | 300            | 315     | 225            | 227     | 225             | 229      | 501.9    |
| 64-1-15    | VAV  | 6"         | 305            | 307     | 65             | 69      | 155             |          | 517.7    |
| 64-1-16    | VAV  | 6"         | 175            | 180     | 165            | 162     | 165             | 168      | 506.2    |
| 64-1-17    | VAV  | 6"         | 230            | 230     | 70             | 72      | 115             | 117      | 552.1    |
| 64-1-18    | VAV  | 8"         | 545            | 549     | 545            | 542     | 545             | 548      | 839.9    |
| 64-1-19    | VAV  | 6"         | 200            | 209     | 200            | 205     | 200             | 206      | 553.5    |
| 64-1-20    | VAV  | 9"         | 805            | 818     | 805            | 810     | 805             | 814      | 1557.4   |
| 64-1-21    | VAV  | 12"        | 950            | 937     | 290            | 295     | 475             | 465      | 2300.4   |
| 64-1-22    | VAV  | 6"         | 200            | 198     | 180            | 182     | 180             | 184      | 503.2    |
| 64-1-23    | VAV  | 6"         | 305            | 295     | 275            | 269     | 275             | 274      | 467.8    |
| 64-1-24    | VAV  | 7"         | 380            | 388     | 115            | 121     | 190             | 182      | 877.3    |
| 64-1-25    | VAV  | 7"         | 395            | 408     | 395            | 402     | 395             | 397      | 1005.4   |
| 64-1-26    | VAV  | 6"         | 200            | 205     | 180            | 182     | 180             | 178      | 537.1    |
| 64-1-27    | VAV  | 6"         | 200            | 216     | 200            | 210     | 200             | 209      | 500.42   |
| 64-1-28    | VAV  | 6"         | 230            | 239     | 230            | 225     | 230             | 234      | 536.6    |
| 64-1-29    | VAV  | 6"         | 190            | 193     | 130            | 134     | 130             | 131      | 499.2    |
| 64-1-30    | VAV  | 6"         | 100            | 107     | 100            | 104     | 100             | 105      | 894.53   |
| 64-1-01    | VAV  | 6"         | 325            | 331     | 175            | 183     | 195             | 197      | 540.4    |
| 64-1-02    | VAV  | 7"         | 400            | 395     | 170            | 172     | 260             | 261      | 880.7    |
| 64-1-03    | VAV  | 7"         | 400            | 421     | 160            | 167     | 260             | 264      | 872.3    |
| 64-1-04    | VAV  | 7"         | 500            | 491     | 340            | 345     | 450             | 456      | 889.2    |
| 64-1-05    | VAV  | 7"         | 525            | 519     | 420            | 426     | 525             | 531      | 864.8    |
| 64-1-06    | VAV  | 7"         | 450            | 434     | 240            | 250     | 315             | 320      | 1038.4   |
| 64-1-07    | VAV  | 9"         | 625            |         | 365            | 371     | 625             | 629      | 1739.7   |
| 64-1-08    | VAV  | 8"         | 600            |         | 600            |         | 600             |          |          |
| 64-1-09    | VAV  | 6"         | 315            | 310     | 205            | 204     | 205             | 207      | 505.8    |
| 64-2-10    | VAV  | 12"        | 1150           | 1138    | 1150           | 1141    | 1150            | 1152     | 2116.3   |
| 64-2-11    | VAV  | 6"         | 200            | 202     | 155            | 156     | 155             | 149      | 509.6    |
| 64-2-12    | VAV  | 6"         | 200            | 199     | 200            | 195     | 200             | 201      | 502.2    |
| 64-2-13    | VAV  | 7"         | 400            | 396     | 300            | 295     | 300             | 298      | 908.0    |
| 64-2-14    | VAV  | 12"        | 1135           | 1100    | 1135           | 1121    | 1135            | 1113     | 2358.9   |
| 64-2-15    | VAV  | 6"         | 300            | 298     | 225            | 228     | 225             | 224      | 591.7    |
| 64-2-16    | VAV  | 6"         | 300            | 286     | 225            | 220     | 225             | 221      | 533.4    |
| 64-2-17    | VAV  | 6"         | 175            | 176     | 165            | 167     | 165             | 169      | 502.6    |
| 64-2-18    | VAV  | 6"         | 175            | 179     | 165            | 160     | 165             | 167      | 540.1    |
| 64-2-19    | VAV  | 6"         | 305            | 303     | 70             | 72      | 155             | 152      | 505.9    |
| 64-2-20    | VAV  | 6"         | 200            | 199     | 150            | 152     | 150             | 148      | 499.9    |
| 64-2-21    | VAV  | 7"         | 535            | 548     | 535            | 537     | 535             | 529      | 892.8    |
| 64-2-23    | VAV  | 6"         | 365            | 367     | 365            | 360     | 365             | 371      | 510.3    |
| 64-2-24    | VAV  | 6"         | 200            | 192     | 200            | 201     | 200             | 205      | 528.7    |
| 64-2-25    | VAV  | 6"         | 135            | 138     | 70             | 74      | 70              | 71       | 500.6    |
| 64-2-26    | VAV  | 6"         | 165            | 172     | 165            | 160     | 165             | 167      | 585      |
| 64-2-27    | VAV  | 6"         | 185            | 184     | 70             | 74      | 115             | 117      | 459.1    |
| 64-2-28    | VAV  | 12"        | 1025           | 1003    | 1025           | 1015    | 1025            | 1026     | 2412.3   |
| 64-2-29    | VAV  | 16"        | 2000           | 2033    | 500            | 510     | 1000            | 1023     | 3463.8   |
| 64-2-01    | VAV  | 7"         | 415            | 415     | 185            | 189     | 295             | 302      | 943.3    |
| 64-2-02    | VAV  | 12"        | 900            | 886     | 340            | 351     | 675             | 669      | 2177.9   |
| 64-2-03    | VAV  | 6"         | 125            | 133     | 125            | 130     | 125             | 126      | 537.1    |
| 64-2-04    | VAV  | 7"         | 400            | 425     | 210            | 216     | 280             | 284      | 864.5    |
| 64-2-05    | VAV  | 12"        | 1060           | 1067    | 440            | 451     | 530             | 537      | 2215.2   |
| 64-2-06    | VAV  | 8"         | 600            | 591     | 250            | 247     | 300             | 296      | 948.7    |
| 64-2-07    | VAV  | 9"         | 640            | 663     | 180            | 189     | 515             | 524      | 1512.3   |
| 64-2-08    | VAV  | 8"         | 600            | 605     | 155            | 159     | 480             | 488      | 950.4    |
| 64-2-09    | VAV  | 12"        | 895            | 877     | 720            | 725     | 720             | 731      | 2019.7   |
| 64-3-10    | VAV  | 8"         | 465            | 468     | 465            | 459     | 465             | 462      | 923.1    |
| 64-3-11    | VAV  | 6"         | 200            | 206     | 200            | 195     | 200             | 198      | 485.6    |
| 64-3-12    | VAV  | 8"         | 385            | 391     | 375            | 379     | 375             | 368      | 900.1    |
| 64-3-13    | VAV  | 6"         | 200            | 205     | 200            | 197     | 200             | 201      | 533.2    |
| 64-3-14    | VAV  | 8"         | 565            | 561     | 565            | 571     | 565             | 559      | 915.7    |
| 64-3-15    | VAV  | 6"         | 200            | 204     | 200            | 196     | 200             | 194      | 552.0    |
| 64-3-16    | VAV  | 6"         | 200            | 197     | 80             | 83      | 120             | 124      | 546.8    |



|         |     |     |      |      |      |      |      |      |        |
|---------|-----|-----|------|------|------|------|------|------|--------|
| 64-3-17 | VAV | 12" | 1050 | 1056 | 1050 | 1049 | 1050 | 1042 | 2101.5 |
| 64-3-18 | VAV | 16" | 2000 | 1961 | 450  | 460  | 1000 | 1024 | 3679.3 |
| 64-3-19 | VAV | 6"  | 200  | 198  | 150  | 147  | 150  | 152  | 532.9  |
| 64-3-20 | VAV | 6"  | 300  | 290  | 225  | 219  | 225  | 227  | 547.3  |
| 64-3-01 | VAV | 8"  | 310  | 308  | 65   | 69   | 190  | 184  | 871.9  |
| 64-3-02 | VAV | 12" | 1055 | 1068 | 300  | 305  | 530  | 538  | 2027.2 |
| 64-3-03 | VAV | 6"  | 220  | 224  | 85   | 87   | 155  | 156  | 558.3  |
| 64-3-04 | VAV | 10" | 840  | 849  | 335  | 327  | 575  | 561  | 1577   |
| 64-3-05 | VAV | 14" | 1875 | 1776 | 665  | 672  | 1135 | 1151 | 3279.5 |
| 64-3-06 | VAV | 24" | 2250 | 2259 | 1080 | 1091 | 1465 | 1379 | 9062.2 |
| 64-3-07 | VAV | 8"  | 515  | 507  | 125  | 131  | 260  | 255  | 959.1  |
| 64-3-08 | VAV | 16" | 1970 | 1893 | 1970 | 1871 | 1970 | 1902 | 3501.7 |
| 64-3-09 | VAV | 6"  | 360  | 361  | 205  | 210  | 270  | 261  | 517.2  |
| 64-4-10 | VAV | 12" | 945  | 930  | 345  | 338  | 475  | 482  | 2232.9 |
| 64-4-11 | VAV | 9"  | 760  | 764  | 260  | 258  | 380  | 384  | 1233.4 |
| 64-4-12 | VAV | 6"  | 215  | 221  | 215  | 219  | 215  | 214  | 511.6  |
| 64-4-13 | VAV | 6"  | 275  | 266  | 275  | 271  | 275  | 276  | 554.1  |
| 64-4-14 | VAV | 6"  | 300  | 299  | 300  | 296  | 300  | 289  | 532.3  |
| 64-4-15 | VAV | 6"  | 210  | 216  | 65   | 69   | 105  | 110  | 529    |
| 64-4-16 | VAV | 6"  | 175  | 169  | 65   | 68   | 90   | 94   | 538.2  |
| 64-4-17 | VAV | 12" | 1200 | 1176 | 1200 | 1184 | 1200 | 1192 | 2314.8 |
| 64-4-18 | VAV | 7"  | 400  | 407  | 300  | 310  | 300  | 306  | 706.8  |
| 64-4-19 | VAV | 6"  | 175  | 173  | 165  | 162  | 165  | 167  | 533.3  |
| 64-4-20 | VAV | 7"  | 400  | 401  | 300  | 305  | 300  | 304  | 657.29 |
| 64-4-21 | VAV | 6"  | 175  | 186  | 165  | 169  | 165  | 172  | 512.0  |
| 64-4-22 | VAV | 6"  | 305  | 292  | 65   | 72   | 155  | 145  | 496.72 |
| 64-4-23 | VAV | 6"  | 215  | 207  | 165  | 162  | 165  | 169  | 519.5  |
| 64-4-24 | VAV | 9"  | 715  | 711  | 485  | 491  | 485  | 479  | 1299.1 |
| 64-4-25 | VAV | 6"  | 200  | 198  | 200  | 201  | 200  | 201  | 543.62 |
| 64-4-26 | VAV | 16" | 2000 | 2065 | 430  | 441  | 1000 | 1022 | 3804.5 |
| 64-4-27 | VAV | 12" | 1035 | 1019 | 1010 | 1016 | 1010 | 999  | 2301.0 |
| 64-4-28 | VAV | 6"  | 200  | 201  | 200  | 198  | 200  | 205  | 542.2  |
| 64-4-29 | VAV | 7"  | 535  | 521  | 535  | 524  | 535  | 520  | 703.84 |
| 64-4-30 | VAV | 6"  | 305  | 300  | 65   | 69   | 155  | 159  | 538.9  |
| 64-4-31 | VAV | 6"  | 200  | 207  | 150  | 151  | 150  | 155  | 521.7  |
| 64-4-32 | VAV | 6"  | 200  | 191  | 200  | 202  | 200  | 196  | 555.9  |
| 64-4-01 | VAV | 6"  | 340  | 338  | 200  | 205  | 200  | 207  | 527.98 |
| 64-4-02 | VAV | 7"  | 440  | 443  | 190  | 185  | 220  | 225  | 657    |
| 64-4-03 | VAV | 6"  | 200  | 204  | 150  | 158  | 150  | 152  | 542.89 |
| 64-4-04 | VAV | 6"  | 220  | 223  | 75   | 76   | 110  | 115  | 590.5  |
| 64-4-05 | VAV | 7"  | 405  | 406  | 95   | 91   | 205  | 210  | 671.8  |
| 64-4-06 | VAV | 6"  | 350  | 342  | 80   | 82   | 175  | 173  | 556.8  |
| 64-4-07 | VAV | 9"  | 765  | 764  | 165  | 169  | 385  | 387  | 1272   |
| 64-4-08 | VAV | 6"  | 345  | 351  | 75   | 79   | 175  | 170  | 547.69 |
| 64-4-09 | VAV | 9"  | 710  | 716  | 165  | 172  | 355  | 356  | 1315.2 |
| 64-5-01 | VAV | 16" | 1600 | 1613 | 0    | 0    | 1600 | 1587 | 3311.8 |
| 64-5-02 | VAV | 16" | 1200 | 1214 | 0    | 0    | 750  | 761  | 3363.9 |

| Asset   | Notes                                                                     |
|---------|---------------------------------------------------------------------------|
| 63-2-09 | NOT ABLE TO ACHIEVE CFM WITH DAMPER AT 100% FURTHER INVESTIGATION NEEDED. |