

CONSTANT / VARIABLE VOLUME AIR VALVE

| UNIT NO.  | MANUFACTURER & MODEL NO. | SERVICE                 | AREA (SF) | TYPE OF CONTROL | QUANTITY | VALVE INLET SIZE (IN.) | CFM  |      | MAX. CFM @ NIGHT SETBACK | CFM DURING E-POWER | AIR SYSTEM | UNIT NO.  | MANUFACTURER & MODEL NO.    | SERVICE                     | TYPE OF CONTROL | QUANTITY | VALVE INLET SIZE (IN.) | CFM   |       |      | MAX. CFM @ NIGHT SETBACK | CFM DURING E-POWER | PHENOLIC COATING | AIR SYSTEM | REMARKS                   |
|-----------|--------------------------|-------------------------|-----------|-----------------|----------|------------------------|------|------|--------------------------|--------------------|------------|-----------|-----------------------------|-----------------------------|-----------------|----------|------------------------|-------|-------|------|--------------------------|--------------------|------------------|------------|---------------------------|
|           |                          |                         |           |                 |          |                        | MAX. | MIN. |                          |                    |            |           |                             |                             |                 |          |                        | SETUP | OPER. | MIN. |                          |                    |                  |            |                           |
| VAS B015  | PHOENIX                  | HOT CELL LAB B015       | 500       | VAV             | 2        | 12                     | 1900 | 1000 | 1900                     | 1000               | AH 1.1     | VAE B015  | PHOENIX                     | HOT CELL LAB B015 GEN. EXH. | VAV             | 1        | 12                     | N/A   | 900   | 100  | 900                      | 100                | NONE             | EF 5.3     | PROVIDE 2-POSITION VALVES |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    | CAE B015A  | PHOENIX   | HOT CELL LAB B015 FUME HOOD | CV                          | 1               | 12       | N/A                    | 800   | 800   | 800  | 800                      | NONE               | EF 5.3           |            |                           |
| CAS B017  | PHOENIX                  | MRI CONTROL B017        | 320       | CV              | 1        | 8                      | 450  | 450  | 450                      | 450                | AH 1.1     | CAE B017  | PHOENIX                     | MRI CONTROL B017            | CV              | 1        | 8                      | N/A   | 450   | 450  | 450                      | 450                | NONE             | EF 5.3     |                           |
| CAS B018  | PHOENIX                  | MRI PROC. B018          | 205       | CV              | 1        | 8                      | 475  | 475  | 475                      | 475                | AH 1.1     | CAE B018  | PHOENIX                     | MRI PROC. B018              | CV              | 1        | 8                      | N/A   | 550   | 550  | 550                      | 550                | NONE             | EF 5.3     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| CAS B019  | PHOENIX                  | ANIMAL HOLDING B019     | 160       | CV              | 1        | 8                      | 260  | 260  | 260                      | 260                | AH 1.1     | CAE B019  | PHOENIX                     | ANIMAL HOLDING B019         | CV              | 1        | 8                      | N/A   | 340   | 340  | 340                      | 340                | NONE             | EF 5.3     | 5.1                       |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS B021  | PHOENIX                  | MRI B021, B022          | 560       | VAV             | 2        | 14                     | 2510 | 400  | 400                      | 400                | AH 1.1     | VAE B021  | PHOENIX                     | MRI B021, B022              | VAV             | 2        | 14                     | N/A   | 2510  | 400  | 400                      | 400                | NONE             | EF 5.3     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS B025  | PHOENIX                  | MICROSCOPE AREA         | 1060      | VAV             | 1        | 14                     | 1055 | 240  | 240                      | 240                | AH 1.1     | VAE B025  | PHOENIX                     | MICROSCOPE AREA             | VAV             | 1        | 12                     | N/A   | 800   | 90   | 90                       | 90                 | NONE             | EF 5.3     |                           |
|           |                          |                         |           |                 |          |                        | 5.1  |      |                          |                    |            |           |                             |                             |                 |          |                        | 5.2   |       |      |                          |                    |                  |            |                           |
| VAS B029  | PHOENIX                  | CONFOCAL B029           | 290       | VAV             | 1        | 8                      | 340  | 35   | 35                       | 35                 | AH 1.1     | VAE B029  | PHOENIX                     | CONFOCAL B029               | VAV             | 1        | 8                      | N/A   | 415   | 110  | 110                      | 110                | NONE             | EF 5.3     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS B030  | PHOENIX                  | CONFOCAL B030           | 165       | VAV             | 1        | 8                      | 200  | 35   | 35                       | 35                 | AH 1.1     | VAE B030  | PHOENIX                     | CONFOCAL B030               | VAV             | 1        | 8                      | N/A   | 275   | 110  | 110                      | 110                | NONE             | EF 5.3     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS B032  | PHOENIX                  | SCOPE B032              | 420       | VAV             | 1        | 12                     | 1050 | 670  | 1050                     | 90                 | AH 1.1     | VAE B032  | PHOENIX                     | SCOPE B032                  | VAV             | 1        | 12                     | N/A   | 850   | 470  | 850                      | 90                 | NONE             | EF 5.3     | 5.2                       |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1102  | PHOENIX                  | LAB 1101-1103 INTERIOR  | 995       | VAV             | 1        | 14                     | 1675 | 895  | 895                      | 0                  | AH 5.1     | VAE 1104  | PHOENIX                     | LAB 1101-1106               | VAV             | 3        | 14                     | N/A   | 4870  | 1800 | 1800                     | 0                  | NONE             | EF 5.1     |                           |
| VAS 1105  | PHOENIX                  | LAB 1104-1106 INTERIOR  | 1010      | VAV             | 1        | 14                     | 1720 | 910  | 910                      | 0                  | AH 5.1     |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  | 5.1        |                           |
| VAS 1104  | PHOENIX                  | LAB 1101-1106 EXTERIOR  | 0         | VAV             | 1        | 14                     | 1680 | 200  | 200                      | 0                  | AH 5.1     |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  | 5.1        |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1107  | PHOENIX                  | BREAKROOM 1107          | 630       | VAV             | 1        | 12                     | 1150 | 390  | 390                      | 0                  | AH 5.1     | VAE 1107  | PHOENIX                     | BREAKROOM 1107              | VAV             | 1        | 12                     | N/A   | 850   | 90   | 90                       | 0                  | NONE             | EF 5.1     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1301  | PHOENIX                  | LAB SUPPORT 1301        | 155       | VAV             | 1        | 10                     | 640  | 155  | 155                      | 0                  | AH 5.1     | VAE 1301  | PHOENIX                     | LAB SUPPORT 1301            | VAV             | 1        | 10                     | N/A   | 715   | 230  | 230                      | 0                  | NONE             | EF 5.1     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1303  | PHOENIX                  | TISSUE 1303             | 150       | VAV             | 1        | 10                     | 750  | 150  | 150                      | 0                  | AH 5.1     | VAE 1303  | PHOENIX                     | TISSUE 1303                 | VAV             | 1        | 12                     | N/A   | 825   | 225  | 225                      | 0                  | NONE             | EF 5.1     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| CAS 1304  | PHOENIX                  | FUME HOOD 1304          | 150       | CV              | 1        | 8                      | 200  | 200  | 200                      | 0                  | AH 5.1     | CAE 1304A | PHOENIX                     | FUME HOOD 1304              | CV              | 1        | 10                     | N/A   | 785   | 785  | 785                      | 0                  | NONE             | EF 5.1     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1305  | PHOENIX                  | TISSUE 1305             | 150       | VAV             | 1        | 10                     | 750  | 150  | 150                      | 0                  | AH 5.1     | VAE 1305  | PHOENIX                     | TISSUE 1305                 | VAV             | 1        | 12                     | N/A   | 825   | 225  | 225                      | 0                  | NONE             | EF 5.1     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| CAS 1901A | PHOENIX                  | AH 5.1 CHILLED BEAM OSA | 630       | CV              | 1        | 12                     | 980  | 980  | 980                      | 0                  | AH 5.1     |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  | 5.1        |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1902  | PHOENIX                  | ELECTRICAL 1902         | 870       | VAV             | 1        | 14                     | 1450 | 450  | 450                      | 0                  | AH 5.1     | VAE 1902  | PHOENIX                     | ELECTRICAL 1902             | VAV             | 2        | 14                     | N/A   | 3050  | 2050 | 2050                     | 0                  | NONE             | EF 5.1     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1109  | PHOENIX                  | LAB 1108-1110 INTERIOR  | 995       | VAV             | 1        | 14                     | 1750 | 980  | 980                      | 0                  | AH 5.2     | CAE 1308  | PHOENIX                     | FUME HOOD 1308              | CV              | 1        | 10                     | N/A   | 785   | 785  | 785                      | 0                  | NONE             | EF 5.2     |                           |
| VAS 1112  | PHOENIX                  | LAB 1111-1113 INTERIOR  | 995       | VAV             | 1        | 14                     | 1735 | 980  | 980                      | 0                  | AH 5.2     | CAE 1312  | PHOENIX                     | FUME HOOD 1312              | CV              | 1        | 10                     | N/A   | 785   | 785  | 785                      | 0                  | NONE             | EF 5.2     |                           |
| VAS 1111  | PHOENIX                  | LAB 1108-1113 EXTERIOR  | 0         | VAV             | 1        | 14                     | 1620 | 200  | 200                      | 0                  | AH 5.2     | VAE 1311  | PHOENIX                     | LAB 1108-1113               | VAV             | 2        | 14                     | N/A   | 3680  | 400  | 400                      | 0                  | NONE             | EF 5.2     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1309  | PHOENIX                  | HISTOLOGY 1309          | 310       | VAV             | 1        | 12                     | 980  | 310  | 310                      | 0                  | AH 5.2     | VAE 1309  | PHOENIX                     | HISTOLOGY 1309              | VAV             | 1        | 12                     | N/A   | 1130  | 460  | 460                      | 0                  | NONE             | EF 5.2     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| CAS 1311  | PHOENIX                  | HISTOLOGY 1311          | 150       | CV              | 1        | 8                      | 475  | 475  | 475                      | 0                  | AH 5.2     | CAE 1311  | PHOENIX                     | FUME HOOD 1311              | CV              | 1        | 10                     | N/A   | 785   | 785  | 785                      | 0                  | NONE             | EF 5.2     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1313  | PHOENIX                  | DARK ROOM 1313          | 90        | VAV             | 1        | 8                      | 285  | 90   | 90                       | 0                  | AH 5.2     | VAE 1313  | PHOENIX                     | DARK ROOM 1313              | VAV             | 1        | 8                      | N/A   | 285   | 90   | 90                       | 0                  | NONE             | EF 5.2     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| CAS 1901B | PHOENIX                  | AH 5.2 CHILLED BEAM OSA | 4150      | CV              | 2        | 14                     | 2415 | 2415 | 2415                     | 0                  | AH 5.2     |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1905  | PHOENIX                  | PLUMBING 1905           | 855       | VAV             | 1        | 12                     | 930  | 90   | 90                       | 0                  | AH 5.2     | VAE 1905  | PHOENIX                     | PLUMBING 1905               | VAV             | 1        | 12                     | N/A   | 1080  | 240  | 240                      | 0                  | NONE             | EF 5.2     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1907  | PHOENIX                  | IT 1907                 | 530       | VAV             | 1        | 8                      | 370  | 35   | 35                       | 0                  | AH 5.2     | VAE 1907  | PHOENIX                     | IT 1907                     | VAV             | 1        | 8                      | N/A   | 445   | 110  | 110                      | 0                  | NONE             | EF 5.2     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| CAS 1908  | PHOENIX                  | FREEZER MORGUE 1908     | 915       | CV              | 2        | 10                     | 1560 | 1560 | 1560                     | 0                  | AH 5.2     |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1909  | PHOENIX                  | GLASSWASH 1909          | 895       | VAV             | 2        | 14                     | 3600 | 400  | 400                      | 0                  | AH 5.2     |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  | 5.2        |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            | CAE 1319  | PHOENIX                     | RESTROOMS 1319, 1824        | CV              | 1        | 12                     | N/A   | 850   | 850  | 850                      | 0                  | NONE             | EF 5.2     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 1820  | PHOENIX                  | ROOMS 1820, 1819, 1818  | 1435      | VAV             | 1        | 12                     | 1200 | 90   | 90                       | 0                  | AH 5.2     | VAE 1820  | PHOENIX                     | ROOMS 1820, 1819, 1818      | VAV             | 1        | 12                     | N/A   | 1200  | 90   | 90                       | 0                  | NONE             | EF 5.2     |                           |
|           |                          |                         |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |
| VAS 2102  | PHOENIX                  | LAB 2                   |           |                 |          |                        |      |      |                          |                    |            |           |                             |                             |                 |          |                        |       |       |      |                          |                    |                  |            |                           |

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DRAWN BY: Author  
PROJECT #: 200725.000  
SHEET NUMBER

M0008

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|---------------------------------|------------|
| ISSUED FOR                      | DATE       |
| Pre-Schematic Design            | 07/14/2008 |
| Schematic Design                | 07/28/2008 |
| BID PK #1                       | 10/08/2008 |
| 50% Program                     | 10/24/2008 |
| BID PK #1 80 CD                 | 10/31/2008 |
| BID PK #1 100 CD                | 02/18/2009 |
| BID PK #2 100 CD                | 03/28/2009 |
| 100% CD                         | 06/08/2009 |
| CD 4                            | 01/07/2010 |
| COB 1                           | 02/28/2010 |
| COB 2                           | 02/28/2010 |
| COB 4                           | 04/15/2010 |
| RW PERMIT                       | 06/0       |