| PACKAGED AIR SOURCE DX ROOFTOP UNIT SCHEDULE |          |                    |                              |                |               |                        |             |       |            |              |   |        |            |                |              |                   |  |                |                 |                   |          |                         |       |                |      |         |              |                 |          |
|--|----------|--------------------|------------------------------|----------------|---------------|------------------------|-------------|-------|------------|--------------|---|--------|------------|----------------|--------------|-------------------|--|----------------|-----------------|-------------------|----------|-------------------------|-------|----------------|------|---------|--------------|-----------------|----------|
|  |          |                    |                              |                |               |                        |             |       | SUPPLY FAN |              |   |        |            |                |              |                   |  |                | RETURN FAN      |                   |          |                         |       |                |      |         |              |                 |          |
|  | CODE     | MANUFACTURER/ AREA |                              |                |               | UNIT DIMENSIONS WEIGHT |             |       | AHU        | AHU          | DESIGN SA   | MIN OA | OA CFM     | DRIVE          | (FAN QTY.)   |                   | ESP  | BHP            | BHP             | MOTOR HP          | DESIGN   | RELIEF CFM              | DIRVE | FAN QTY.       |      | ESP     | BHP          | BHP             | MOTOR HP |
|  |          | MODEL NO.          | SERVED                       |                | LENGTH (IN)   | WIDTH (IN)             | HEIGHT (IN) | (LBS) | MOUNTING   | CONFIG       | CFM   | CFM    | ECONOMIZER | TYPE           | ROWSxCOLUMNS | RPM               | (IN.)  | CLEAN FILTER   | MID-LIFE FILTER | PER FAN           | CFM      | ECONOMIZER              | TYPE  | ROWSxCOLUMNS   | RPM  | (IN.)   | CLEAN FILTER | MID-LIFE FILTER | PER FAN  |
|  | ASHP 2-2 | DAIKIN / DHSA031   | MENS COURT                   | ROOF           | 356           | 97                     | 102         | 12494 | I          | I            | 8100  | 2673   | 8100       | D              | (2)1x2       | 1298              | 2  |                | 4.86            | 6.1               | 5427     | 5427                    | D     | (2)1x2         | 1000 | 1.5     |              | 2.20            | 8        |
|  | ASHP 2-3 | DAIKIN / DHSA031   | MENS COURT                   | ROOF           | 356           | 97                     | 102         | 12494 |            | I            | 8100  | 2673   | 8100       | D              | (2)1x2       | 1298              | 2  |                | 4.86            | 6.1               | 5427     | 5427                    | D     | (2)1x2         | 1000 | 1.5     |              | 2.20            | 8        |
|  | ASHP 2-4 | DAIKIN / DPSH25B   | TEAM MEAL ROOMS / CLERESTORY | ROOF           | 203           | 73                     | 73          | 4463  | II         | I            | 4500  | 1350   | 4500       | VFD            | (1)          | 1265              | 2  |                | 3.38            | 5                 | 3150     | 3150                    | VFD   | (1)            | 2612 | 2.0     |              | 1.65            | 3        |
|  | DOAS-2-1 | DAIKIN / DPSH25B   | 1ST / 2ND FLOOR OFFICE / BOH | ROOF           | 203           | 73                     | 77          | 4457  | II         | II           | 3200  | 3200   | 3200       | VFD            | (1)          | 1598              | 2  |                | 2.6             | 5                 | -        | -                       | -     | $\Lambda$      | -    | -       | -            | -               | -        |
|  |          |                    |                              |                |               |                        |             |       |            |              |   |        |            |                |              |                   |  | ·              |                 |                   |          |                         |       |                |      |         |              |                 |          |
|  |          |                    |                              | COOLING CA     | APACITY (DX C | COIL)                  |             |       |            |              | HEATING CAPACITY (DX COIL PERFORMANCE)  HEATING CAPACITY (AUXIL |        |            |                |              |                   | Y ELECTRIC HEAT PERFORMANCE) HEATING CAPACITY (BACKUP ELECTRIC HEAT PERFORMANCE) |                |                 |                   |          |                         | H     | HOT GAS REHEAT |      | REMARKS |              |                 |          |
|  | CODE     | EAT                |                              | LAT TOTAL SENS |               | SENS                   |             | EAT   |            | AT LAT TOTAL |   |        |            | TOTAL CAPACITY |              | EAT (°F) LAT (°F) |  | TOTAL CAPACITY |                 | EAT (°F) LAT (°F) |          | TOTAL CAPACITY EAT (°F) |       | LAT (°F)       |      |         |              |                 |          |
|  |          | DB (°F)            | WB (°F)                      | DB (°F)        | WB (°F)       | MBH                    | MBH         | ROWS  | FPI        | DB (°F)      | DB (°F)   | MBH    | ROWS       | FPI            | MBH          | KW                | DB   | DB             | MBH             | KW                | DB       | DB                      | MBH   | DB             | DB   |         |              |                 |          |
|  | ASHP 2-2 | 80.9               | 66.2                         | 55             | 55            | 344                    | 256         | 4     | 14         | 49.7         | 90  | 455    | 4          | 14             | 109          | 130               | 79.6   | 88.1           | 438             | 130               | 49.7     | 83.4                    | 158   | 52             | 70   |         |              |                 |          |
|  | ASHP 2-3 | 80.9               | 66.2                         | 55             | 55            | 344                    | 256         | 4     | 14         | 49.7         | 90  | 455    | 4          | 14             | 109          | 130               | 79.6   | 88.1           | 438             | 130               | 49.7     | 83.4                    | 158   | 52             | 70   |         |              |                 |          |
|  | ASHP 2-4 | 80.4               | 65.2                         | 55             | 55            | 217                    | 155         | 4     | 15         | 53.1         | 89.6  | 198    | 4          | 15             | 102          | 30                | 53.1   | 73.1           | 204             | 60                | 53.1     | 95                      | 111   |                | 70   |         |              |                 |          |
|  | DOAS-2-1 | 98                 | 78                           | 55             | 55            | 251                    | 141         | 4     | 15         | 43           | 85  | 255    | 4          | 15             | 153          | 68                | 0  | 60             | 307             | 90                | 0        | 80                      | 569   |                | 70   | A       |              |                 |          |
|  |          |                    |                              |                |               |                        | '           |       |            |              |   |        |            |                |              |                   |  |                |                 |                   | <u> </u> |                         |       |                |      |         |              |                 |          |
| ELECTRICAL                                   |          |                    |                              |                |               |                        |             |       |            |              |   |        |            |                |              |                   |  |                |                 |                   |          |                         |       |                |      |         |              |                 |          |
|  | CODE     |                    |                              |                |               |                        |             |       |            |              |   |        |            |                |              |                   |  |                |                 |                   |          |                         |       |                |      |         |              |                 |          |

DOAS-2-1 GENERAL NOTES:

ASHP 2-2 ASHP 2-3 ASHP 2-4

1. PROVIDE PREMIUM EFFICIENCY MOTORS FOR MOTORS 1 HP AND OVER PER NEMA STANDARD MG1-2003, TABLES 12-12 AND 12-13.

2. PROVIDE FACTORY MOUNTED STARTER / VFD, WIRED TO MOTORS AND FACTORY COMMISSIONED WITH AUXILIARY CONTACTS AND HOA SWITCH ON ALL THREE PHASE MOTORS 3. INSTALL UNITS WITH ADEQUATE CLEARANCE FOR COIL PULL, FILTER REPLACEMENT AND TO FULLY OPEN ACCESS DOORS. PROVIDE A MINIMUM OF 3 FEET CLEARANCE IN FRONT OF DISCONNECTS SWITCHES AND CONTROL PANELS. COMPLY FULLY WITH NEC.

FEEDER SIZE

4. UNIT TOTAL STATIC PRESSURE SHALL INCLUDE SCHEDULED EXTERNAL STATIC PRESSURE PLUS ALL SCHEDULED INTERNAL PRESSURE DROPS. INCLUDE VALUES FOR WETTED COILS AND DIRTY FILTERS.

5. PROVIDE CONDENSATE DRAIN PIPING AND CONDENSATE PUMP FROM DX UNIT TO NEAREST ROOF DRAIN. CONTRACTOR TO INCLUDE DRAIN PIPING AND LOCATION ON PIPING SUBMITTAL.

3. PROVIDE 2" MERV 8 PRE-FILTER AND MERV 13 FINAL FILTER. 7. PROVIDE STAINLESS STEEL DRIP PANS.

8. PROVIDE EXTERNAL VIBRATION ISOLATION.

9. PROVIDE SINGLE POINT ELECTRICAL CONNECTION.

10. PROVIDE ACCESS DOORS ON BOTH SIDES OF THE UNIT. 11. PROVIDE MAGNEHELIC FILTER GAUGE.

12. PROVIDE CONTROLLER FOR UNIT. REFER TO CONTROLS DETAILS. 13. REFRIGERANT: R-32 VAIRIABLESPEED SCROLL COMPRESSOR - HIGH EFFCIENCY.

14. ELECTRIC HEATING COIL SHALL BE DOWNSTREAM OF DX COOLING COIL.

15. FAN DRIVE TYPE: D = DIRECT DRIVE. PROVIDE ECM FAN(S).

I. EXTERIOR ROOFTOP VARIABLE VOLUME HORIZONTAL DRAW THRU UNIT WITH ANGLED FILTER SECTION, ACCESS SECTION, DX COIL, ELECTRIC HEATING COIL, ECM SUPPLY FAN, ECM RETURN FAN, AND AIRSIDE ECONOMIZER.

II. EXTERIOR ROOFTOP VARIABLE VOLUME, 100%OA HORIZONTAL DRAW THRU UNIT WITH ANGLED FILTER SECTION, ACCESS SECTION, DX COIL, ELECTRIC HEATING COIL, SUPPLY FAN WITH VFD, RETURN FAN WITH VFD.

I. MOUNT UNIT ON DUNNAGE. PROVIDE ALL STRUCTURAL SUPPORT AND ACCESSORIES NEEDED FOR VIBRATION ISOLATION. II. PROVIDE AND MOUNT UNIT ON FULL PERIMETER, 14" HIGH ROOF CURB. ROOF CURB SHALL BE PROVIDED AND FURNISHED BY MC AND FLASHED BY THE ROOFER.

REMARK NOTES: A. COILS ARE SIZED FOR 100% OA.

|   |  |  |   |   |                              |                           |             | DAC                | CKACE       | D AID               | SOLIE      | CE DV E             | COCET               | OD LINIT            | SCHED               | III E ///I     | TH ENED        | CV DECO     | VEDV WI          | JEEL          |              |                |               |          |       |                    |       |       |
|---|--|--|---|---|------------------------------|---------------------------|-------------|--------------------|-------------|---------------------|------------|---------------------|---------------------|---------------------|---------------------|----------------|----------------|-------------|------------------|---------------|--------------|----------------|---------------|----------|-------|--------------------|-------|-------|
| PACKAGED AIR SOURCE DX ROOFTOP UNIT SCHEDULE WITH ENERGY RECOVERY WHEEL  SUPPLY FAN  EXHAUST FAN  |  |  |   |   |                              |                           |             |                    |             |                     |            |                     |                     |                     |                     |                |                |             |                  |               |              |                |               |          |       |                    |       |       |
| CODE  | MANUFACTURER/  | AREA   | WEIGHT  | ΔНП                                       | AHU                          | DESIGN SA                 | I SA MIN OA | OA CFM             | DRIVE       | FAN QTY.            | SUPPLY FAN | ESP                 | BHP                 | BHP                 | MOTOR HP            | DESIGN EA      | EA CFM         | DRIVE       | FAN QTY.         | USTFAN        | ESP          | BHP            | RHP MO        | TOR HP   |       |                    |       |       |
| I JOBE  | MODEL NO.  | SERVED   | LOCATION L                                    |   | IIT DIMENSION<br>WIDTH (IN)  |                           |             | MOUNTING           |             | CFM                 | CFM        | ECONOMIZER          |                     | ROWSXCOLUMN         | S RPM               | (IN.)          |                |             |                  | CFM           | ECONOMIZER   |                | ROWSXCOLUMN   | S RPM    | (IN.) | CLEAN FILTER MID-I |       | R FAN |
| ASHP 2-1  | DAIKIN / DHSA031   | 1ST FLOOR (VARIOUS)  | ROOF  | 432                                       | 97                           | 102                       | 14612       | I                  | I           | 8000                | 8000       | 8000                | D                   | (2) 1x2             | 1655                | 3              |                | 9.48        | 6.1              | 11920         | 11920        | D              | (2) 1x2       | 1727     | 3     |                    | 11.53 | 8     |
|   |  | COOLING  | S CAPACITY (D)                                | Y COIL DEREC                              | OPMANCE)                     |                           |             |                    | HE          | ATING CADAC         | ITV (DY CO | IL PERFORMANO       | <u>`</u> _'         | HEATING CARAC       | YTV (ALIVILIADV     | ' EI ECTRIC HE | AT PERFORMANCE | HEATING CAD | ACITY (BACKLID F | ELECTRIC HEAT | PERFORMANCE) |                | OT GAS REHEAT |          | 7     |                    |       |       |
| CODE  |  | EAT  | LA LA   |   | TOTAL                        | SENS                      |             |                    | EAT         | LAT                 | TOTAL      | ROWS                | FPI                 | TOTAL CA            |                     | EAT (°F)       | LAT (°F)       | /           | CAPACITY         | EAT (°F)      | LAT (°F)     | TOTAL CAPACITY |               | LAT (°F) |       |                    |       |       |
| OODL  | DB (°F)  | WB (°F)  | DB (°F)                                       | WB (°F)                                   | MBH                          | MBH                       | ROWS        | FPI                | DB (°F)     | DB (°F)             | MBH        | 110000              | 111                 | MBH                 | KW                  | DB             | DB             | MBH         | KW               | DB            | DB           | MBH            | DB            | DB       |       |                    |       |       |
| ASHP 2-1  | 82   | 69.5   | 55.4  | 55.4                                      | 363                          | 232                       | 6           | 14                 | 47          | 90                  | 270        | 6                   | 14                  | 706                 | 220.00              | 84.3           | 138.2          | 706         | 220.00           | 43            | 97.2         | 126            | 55.4          | 70.00    | _     |                    |       |       |
|   |  |  |   | '   | '                            |                           |             | 0) (=0) () ( ) ( ) |             | <u>'</u>            |            |                     |                     |                     |                     |                | 1              |             |                  |               |              |                |               |          | _     |                    |       |       |
| CODE  |  | SENS. CAPACITY   | DDECCH  |   |                              | ENTHALPY E                |             |                    |             | OA (\A/D)           |            | EA (\A/D)           | CA (DD)             | CA (M/D)            | EA (DB)             | EA (WB)        | -              |             |                  |               |              |                |               |          |       |                    |       |       |
| CODE  | SEASON   | REDUCTION (BTU/hr)   | PRESSU  | SENSIBLE                                  | ECTIVENESS (                 | TOTAL                     | UA CFIVI    | EXH CFM            | \ /         | OA (WB)<br>EAT (°F) | EAT (°E)   | EA (WB)<br>EAT (°F) | SA (DB)<br>LAT (°F) | SA (WB)<br>LAT (°F) | EA (DB)<br>LAT (°F) | LAT (°F)       | -              |             |                  |               |              |                |               |          |       |                    |       |       |
|   | SUMMER   | 273,679  | 0.45  | OLIVOIDEL                                 | LATENT                       | 57.72                     | 8000        | 11920              | 98          | 78                  | 75         | 62                  | 82                  | 69.5                | 82                  | 69.5           | _              |             |                  |               |              |                |               |          |       |                    |       |       |
| ASHP 2-1  | WINTER   | 517,559  | 0.45  |   |                              | 72.74                     | 8000        | 11920              | 0           | 0                   | 70         | 50                  | 52.8                | 40.1                | 52.8                | 40.1           | _              |             |                  |               |              |                |               |          |       |                    |       |       |
|   | ELECTRICAL SING SING SING SING SING SING SING SING   |  |   |   |                              |                           |             |                    |             |                     |            |                     |                     |                     |                     |                |                |             |                  |               |              |                |               |          |       |                    |       |       |
|   | ELECTRICAL   |  |   |   |                              |                           |             |                    |             |                     |            |                     |                     |                     |                     |                |                |             |                  |               |              |                |               |          |       |                    |       |       |
| VOLT  | PH   | HZ   | MCA   | MROPD                                     | DISC                         | FEEDER                    |             |                    |             |                     |            |                     |                     |                     |                     |                |                |             |                  |               |              |                |               |          |       |                    |       |       |
| 460   | 3  | 60   | 321.3   | 450                                       |                              |                           |             |                    |             |                     |            |                     |                     |                     |                     |                |                |             |                  |               |              |                |               |          |       |                    |       |       |
| 2. INSTALL UNITS 3. UNIT TOTAL STA 4. PROVIDE COND 5. PROVIDE 2" MER 6. PROVIDE STAIN 7. PROVIDE EXTER 18. PROVIDE SING 9. PROVIDE ACCES 10. PROVIDE MAG 11. PROVIDE CON 12. REFRIGERANT 13. ELECTRIC HEA 14. COILS ARE SIZ | WITH ADEQUATE CLEAR ATIC PRESSURE SHALL ENSATE DRAIN PIPING A RV 8 PRE-FILTER AND ME LESS STEEL DRIP PANS. RNAL VIBRATION ISOLAT LE POINT ELECTRICAL C ES DOORS ON BOTH SID NEHELIC FILTER GAUGE FROLLER FOR UNIT. REF E R-32 VAIRIABLESPEED TING COIL SHALL BE DO | . TION. CONNECTION. DES OF THE UNIT. E. FER TO CONTROLS DETAIL SCROLL COMPRESSOR - FOR THE UNIT. OWNSTREAM OF DX COIL. | TER REPLACEI<br>TERNAL STATIO<br>FROM DX UNIT | MENT AND TO<br>C PRESSURE I<br>TO NEAREST | O FULLY OPEN<br>PLUS ALL SCH | NACCESS DO<br>HEDULED INT | ORS. PROVI  | SSURE DROP         | PS. INCLUDE | VALUES FOR          | WETTED O   | COILS AND DIRTY     |                     | ES AND CONTROL      | PANELS. COMP        | PLY FULLY WIT  | H NEC.         |             |                  |               |              |                |               |          |       |                    |       |       |
| CONFIGURATION: I. EXTERIOR ROOF   | TOP VARIABLE VOLUME  | E, 100%OA, HORIZONTAL D  | RAW THRU UN                                   | NIT WITH ENEF                             | RGY RECOVER                  | RY WHEEL, A               | NGLED FILTE | ER SECTION         | , ACCESS SI | ECTION, DX C        | OIL, ELECT | RIC HEATING CO      | OIL, ECM SUP        | PPLY FAN, ECM EX    | KHAUST FAN, AN      | ND AIRSIDE EC  | ONOMIZER.      |             |                  |               |              |                |               |          |       |                    |       |       |

| MANUFACTURER/  |   | DIME   | ISIONS (IN)   | )   | WEIGHT   |   | TARGET CONDTIONS  |   | SA   | OA  | ESP  |   | MOTOR  |  |  |   | INDO   | OR UNIT - FLUID CO   | OLED AC  |   |  |  | REHEAT COIL  | ELEC HEATING COIL  | COMPRESS   |
|--|---|--|---|---|--|---|---|---|--|---|--|---|--|--|--|---|--|--|--|---|--|--|--|--|--|
| MODEL NO.  | LOCATION  | LENGTH   | VIDTH HE  | EIGHT   | (LB)   | DB (F)  | WB (F)  | % RH  | CFM  | CFM   | (IN. WC)   | HP  | FLA  | DRIVE  | TOTAL CAPACITY (MBH)   | SENSIBLE<br>CAPACITY (MBH)  | MOISTURE REMOVAL<br>CAPACITY (LBS/HR)  | COMPRESSOR<br>NOMINAL SIZE<br>(TONS)   | EAT DB(F)  | EAT RH%   | GPM  | WPD (PSI)  | CAPACITY(MBH)  | CAPACITY(KW) FL  | A TYPE STA   |
| DECTRON / 010-NP   | 1ST FLOOR HYDRO                                       | 54   | 44  | 36  | 475  | 75  | 62.5  | 55  | 760  | 260   | 0.5  | 1.4   | 2.5  | DIRECT   | 25.7   | 16.7  | 8.3  | 2  | 75   | 55  | 6  | 4.2  | 32.1   | 10 12  | 6 SCROLL   |
| CODE MANUFACTURER/ DIMENSIONS (IN) WEIGHT TARGET CONDTIONS ESP |   |  |   |   |  |   |   |   |  |   |  | OTOR OUTDOOR UNIT - DRY COOLER ELEC HEATING COIL COMPRESSO  |  |  |  |   |  |  |  |   |  | RESSOR   |  |  |  |
| MODEL NO.  | LOCATION  |  |   |   | (LB)   | DB (F)  | WB (F)  | % RH  | (IN. WC)   | HP  | FLA  | DRIVE   | TOTAL<br>CAPACITY<br>(MBH)   | SENSIBLE<br>CAPACITY<br>(MBH)  | MOISTURE<br>REMOVAL<br>CAPACITY (LBS/HR)   | COMPRESSOR<br>NOMINAL SIZE<br>(TONS)  | FLUID COOLER<br>INTERNAL VOLUME<br>(GAL)   | WPD (PSI)  | CAPACITY(MBH)  | CAPACITY(KW)  |  | STAGES   | VOLT   | PH   |  |
| DECTRON / NG-V-01  | 1ST FLOOR HYDRO                                       | 48   | 46  | 54  | 450  | 75  | 62.5  | 55  | 0.5  | 1.4   | 2.5  | DIRECT  | 25.7   | 16.7   | 8.3  | 2   | 3.9  | 4.2  | 32.1   | 10  | SCROLL   | 2  | 460  | 3  |  |
|  |   |  |   |   |  |   |   |   |  |   |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |
| PH   | HZ  | FLA  |   |   |  | FUSE  | FEEDER SIZE   | PANEL   | REMARKS  | _   |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |
| 3  | 60  |  |   |   | 30   | 30  |   |   |  |   |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |
|  | C   | UTDOOR UNIT  | - DRY COC   | DLER  |  |   |   |   |  |   |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |
|  |   | FLECT  | RICAI   |   |  |   |   |   |  |   |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |
|  | MODEL NO.  DECTRON / 010-NP  MANUFACTURER/  MODEL NO. | MODEL NO. LOCATION  DECTRON / 010-NP 1ST FLOOR HYDRO  MANUFACTURER/  MODEL NO. LOCATION  DECTRON / NG-V-01 1ST FLOOR HYDRO  PH HZ 3 60 | MODEL NO. LOCATION LENGTH V DECTRON / 010-NP 1ST FLOOR HYDRO 54  MANUFACTURER/ DIMEN  MODEL NO. LOCATION LENGTH V DECTRON / NG-V-01 1ST FLOOR HYDRO 48  PH HZ FLA 3 60 20.4  OUTDOOR UNIT | MODEL NO. LOCATION LENGTH WIDTH HE DECTRON / 010-NP 1ST FLOOR HYDRO 54 44  MANUFACTURER/ DIMENSIONS (IN) MODEL NO. LOCATION LENGTH WIDTH HE DECTRON / NG-V-01 1ST FLOOR HYDRO 48 46  INDOOR UN E PH HZ FLA MCA M 3 60 20.4 26 | MODEL NO.   LOCATION   LENGTH   WIDTH   HEIGHT     DECTRON / 010-NP   1ST FLOOR HYDRO   54   44   36     MANUFACTURER/   DIMENSIONS (IN)     MODEL NO.   LOCATION   LENGTH   WIDTH   HEIGHT     DECTRON / NG-V-01   1ST FLOOR HYDRO   48   46   54     INDOOR UNIT - FLUIT     ELECTRIC   PH | MODEL NO.   LOCATION   LENGTH   WIDTH   HEIGHT   (LB)     DECTRON / 010-NP   1ST FLOOR HYDRO   54   44   36   475     MANUFACTURER/   DIMENSIONS (IN)   WEIGHT     MODEL NO.   LOCATION   LENGTH   WIDTH   HEIGHT   (LB)     DECTRON / NG-V-01   1ST FLOOR HYDRO   48   46   54   450     INDOOR UNIT - FLUID COOLED AC   ELECTRICAL     PH | MODEL NO.         LOCATION         LENGTH         WIDTH         HEIGHT         (LB)         DB (F)           DECTRON / 010-NP         1ST FLOOR HYDRO         54         44         36         475         75           MANUFACTURER/         DIMENSIONS (IN)         WEIGHT           MODEL NO.         LOCATION         LENGTH         WIDTH         HEIGHT         (LB)         DB (F)           DECTRON / NG-V-01         1ST FLOOR HYDRO         48         46         54         450         75           INDOOR UNIT - FLUID COOLED AC ELECTRICAL           PH         HZ         FLA         MCA         MOCP         DISC         FUSE           3         60         20.4         26         30         30         30           OUTDOOR UNIT - DRY COOLER | MODEL NO.   LOCATION   LENGTH   WIDTH   HEIGHT   (LB)   DB (F)   WB (F) | MODEL NO.         LOCATION         LENGTH         WIDTH         HEIGHT         (LB)         DB (F)         WB (F)         % RH           DECTRON / 010-NP         1ST FLOOR HYDRO         54         44         36         475         75         62.5         55           MANUFACTURER/         DIMENSIONS (IN)         WEIGHT         TARGET CONDTIONS           MODEL NO.         LOCATION         LENGTH         WIDTH         HEIGHT         (LB)         DB (F)         WB (F)         % RH           DECTRON / NG-V-01         1ST FLOOR HYDRO         48         46         54         450         75         62.5         55           INDOOR UNIT - FLUID COOLED AC ELECTRICAL           PH         HZ         FLA         MCA         MOCP         DISC         FUSE         FEEDER SIZE         PANEL           3         60         20.4         26         30         30         30         3#10,1#10G IN 3/4"C         SEE PLANS | MODEL NO.         LOCATION         LENGTH         WIDTH         HEIGHT         (LB)         DB (F)         WB (F)         % RH         CFM           DECTRON / 010-NP         1ST FLOOR HYDRO         54         44         36         475         75         62.5         55         760           MANUFACTURER/         DIMENSIONS (IN)         WEIGHT         TARGET CONDTIONS         ESP           MODEL NO.         LOCATION         LENGTH         WIDTH         HEIGHT         (LB)         DB (F)         WB (F)         % RH         (IN. WC)           DECTRON / NG-V-01         1ST FLOOR HYDRO         48         46         54         450         75         62.5         55         0.5           INDOOR UNIT - FLUID COOLED AC ELECTRICAL           PH         HZ         FLA         MCA         MOCP         DISC         FUSE         FEEDER SIZE         PANEL         REMARKS           3         60         20.4         26         30         30         30         3#10,1#10G IN 3/4"C         SEE PLANS | MODEL NO.         LOCATION         LENGTH         WIDTH         HEIGHT         (LB)         DB (F)         WB (F)         % RH         CFM         CFM           DECTRON / 010-NP         1ST FLOOR HYDRO         54         44         36         475         75         62.5         55         760         260           MANUFACTURER/         DIMENSIONS (IN)         WEIGHT         TARGET CONDTIONS         ESP           MODEL NO.         LOCATION         LENGTH         WIDTH         HEIGHT         (LB)         DB (F)         WB (F)         % RH         (IN. WC)         HP           DECTRON / NG-V-01         1ST FLOOR HYDRO         48         46         54         450         75         62.5         55         0.5         1.4           INDOOR UNIT - FLUID COOLED AC ELECTRICAL           PH         HZ         FLA         MCA         MOCP         DISC         FUSE         FEEDER SIZE         PANEL         REMARKS           3         60         20.4         26         30         30         30         3#10,1#10G IN 3/4"C         SEE PLANS | MODEL NO.   LOCATION   LENGTH   WIDTH   HEIGHT   (LB)   DB (F)   WB (F)   % RH   CFM   CFM   (IN. WC) | MODEL NO.   LOCATION   LENGTH   WIDTH   HEIGHT   (LB)   DB (F)   WB (F)   % RH   CFM   CFM   (IN. WC)   HP | MODEL NO.   LOCATION   LENGTH   WIDTH   HEIGHT   (LB)   DB (F)   WB (F)   % RH   CFM   CFM   (IN. WC)   HP   FLA | MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) % RH CFM CFM (IN. WC) HP FLA DRIVE  DECTRON / 010-NP 1ST FLOOR HYDRO 54 44 36 475 75 62.5 55 760 260 0.5 1.4 2.5 DIRECT  MANUFACTURER/ DIMENSIONS (IN) WEIGHT TARGET CONDTIONS ESP MOTOR  MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) % RH (IN. WC) HP FLA DRIVE CAPACITY (MBH)  DECTRON / NG-V-01 1ST FLOOR HYDRO 48 46 54 450 75 62.5 55 0.5 1.4 2.5 DIRECT 25.7 16.7  INDOOR UNIT - FLUID COOLED AC ELECTRICAL  PH HZ FLA MCA MOOCP DISC FUSE FEEDER SIZE PANEL REMARKS  3 60 20.4 26 30 30 30 3#10,1#10G IN 3/4"C SEE PLANS  OUTDOOR UNIT - DRY COOLER | MODEL NO.   LOCATION   LENGTH   WIDTH   HEIGHT   (LB)   DB (F)   WB (F)   % RH   CFM   CFM   (IN. WC)   HP   FLA   DRIVE   TOTAL CAPACITY (MBH) | MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) % RH CFM CFM (IN. WC) HP FLA DRIVE TOTAL CAPACITY (MBH) CAPACITY (MBH) CAPACITY (MBH)  DECTRON / 010-NP 1ST FLOOR HYDRO 54 44 36 475 75 62.5 55 760 260 0.5 1.4 2.5 DIRECT 25.7 16.7  MANUFACTURER/ DIMENSIONS (IN) WEIGHT TARGET CONDITIONS ESP MOTOR OUTDOON  MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) WB (F) % RH (IN. WC) HP FLA DRIVE CAPACITY (MBH) CAPACITY (MBH) CAPACITY (MBH) CAPACITY (LBSHR) (TONS)  DECTRON / NG-V-01 1ST FLOOR HYDRO 48 46 54 450 75 62.5 55 0.5 1.4 2.5 DIRECT 25.7 16.7 8.3 2 | MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) WB (F) % RH CFM CFM (IN. WC) HP FLA DRIVE TOTAL CAPACITY (MBH) CAPAC | MODEL NO.   LOCATION   LENGTH   WIDTH   HEIGHT   (LB)   DB (F)   WB (F)   WB (F)   % RH   CFM   CFM   (IN. WC)   HP   FLA   DRIVE   TOTAL CAPACITY (MBH)   CA | MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) | MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) % RH CFM CFM (IN. WC) HP FLA DRIVE TOTAL CAPACITY (MBH) CAPACITY (MB | MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) % RH CFM CFM (IN.WC) HP FLA DRIVE CAPACITY (MBH) CAPA | MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) % RH CFM CFM (IN.WC) HP FLA DRIVE (APACITY (MBH)) CAPACITY (MBH) CAP | MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) % RH CFM CFM (IN.WC) HP FLA DRIVE CAPACITY (MBH) CAPACITY (MBH) CAPACITY (LBSHR) CAP | MODEL NO. LOCATION LENGTH WIDTH HEIGHT (LB) DB (F) WB (F) % RH CFM CFM (N.W.C) HP FLA DRIVE TOTAL CAPACITY (MBH) CAPACITY (MBH |

GENERAL NOTES:

1. PROVIDE PREMIUM EFFICIENCY MOTORS FOR MOTORS 1 HP AND OVER PER NEMA STANDARD MG1-2003, TABLES 12-12 AND 12-13. 2. INSTALL UNITS WITH ADEQUATE CLEARANCE FOR COIL PULL, FILTER REPLACEMENT AND TO FULLY OPEN ACCESS DOORS. PROVIDE A MINIMUM OF 3 FEET CLEARANCE IN FRONT OF DISCONNECTS SWITCHES AND CONTROL PANELS. COMPLY FULLY WITH NEC.

3. UNIT STATIC PRESSURE CAPABILITY SHALL INCLUDE SCHEDULED EXTERNAL STATIC PRESSURE PLUS ALL INTERNAL PRESSURE DROPS. INCLUDE VALUES FOR WETTED COILS AND MID-LIFE FILTERS. 4. REFRIGERANT: R-454B 5. PROVIDE SINGLE POINT ELECTRICAL CONNECTION FOR AIR HANDING UNIT AND CONDENING UNIT, UNLESS NOTED OTHERWISE. PROVIDE A FACTORY INSTALLED DISCONNECT SWITCH.

6. AIR HANDLING UNIT SHALL BE PROVIDED WITH INTERNAL VIBRATION ISOLATION.

7. WARRANTY: 2 YEAR PARTS, 2-YEAR COMPRESSOR PARTS, 2-YEAR COILS. 8. CONTRACTOR WILL BE TOTALLY RESPONSIBLE FOR ALL ADDITIONAL MECHANICAL, ELECTRICAL, RIGGING, OR PHYSICAL ALTERATION COST SAVINGS FOR SUBSTITUTE PRODUCTS, EVEN THOUGH ENGINEER APPROVED. COST SAVINGS FOR SUBSTITUTE PRODUCTS SHALL BE PROVIDED TO THE OWNER FOR REVIEW BEFORE ANY SUBSTITUTION WILL BE CONSIDERED.

9. CHECK, TEST, AND STARTUP SUPERVISION WITH INSTALLING CONTRACTOR AND MANUFACTURE TECHNICIAN. SUBMIT STARTUP LOGS TO ENGINEER FOR RECORD. 10. PROVIDE ROOM HUMIDISTAT AND THERMOSTAT, WIRED TO BMS. UNIT SHALL BE CONTROLLED AND MONITORED BY BMS. PROVIDE ALL INTERCONNECT WIRING AND MONITOR ALL AVAILABLE POINTS. COORDINATE WITH CONTROLS CONTRACTOR.

11. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

12. PROVIDE UNIT WITH MERV 13 RETURN AIR FILTER.

13. PROVIDE UNIT WITH MERV 13 OUTSIDE AIR FILTER. 14. PROVIDE CONDENSATE PIPING AND CONDENSATE PUMP. PROVIDE PIPING FROM UNIT TO NEAREST JANITOR'S CLOSET OR APPROVED RECEPTACLE.

MOUNTING:

I. MOUNT UNIT ON DUNNAGE. PROVIDE ALL STRUCTURAL SUPPORT AND ACCESSORIES NEEDED FOR VIBRATION ISOLATION. REFER TO STRUCTURAL DWGS.

15. PROVIDE 3-WAY HEAD PRESSURE CONTROL VALVE, PROVIDED BY MANUFACTURER AND FIELD INSTALLED. 16. UNIT SHALL BE CEILING HUNG. CONTRACTOR SHALL PROVIDE ALL REQUIRED STRUCTRUAL SUPPORT AND HANGARS FOR INSTALLATION.

REMARK NOTES NOT USED.

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05/16/2025 ISSUE FOR PERMIT

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NOT FOR ONSTRUCTIO

BASKETBALL TRAINING **FACILITY** 

Project Number 06.3926.400

MECHANICAL SCHEDULES

1/8" = 1'-0"

DOB # : Q01215377-S3 DRAWING NO. \_\_\_\_\_ OF \_\_\_\_

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