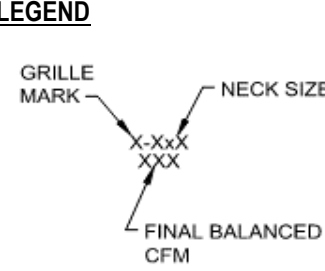


| AIR BALANCE SCHEDULE           |                                                                                                                |                            |            |            |             |            |               |             |         |
|--------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------|------------|------------|-------------|------------|---------------|-------------|---------|
| SYSTEM                         | AREA SERVED                                                                                                    | MAKE-UP AIR OR OUTSIDE AIR | RETURN AIR | SUPPLY AIR | EXHAUST AIR | RELIEF AIR | % OUTSIDE AIR | AIR BALANCE | REMARKS |
| MAU-1 (MAKE UP AIR UNIT)       | KITCHEN                                                                                                        | 3900                       | --         | --         | --          |            | --            |             | --      |
| KEF-1 (KITCHEN EXHAUST FAN)    | KITCHEN                                                                                                        |                            | --         | --         | 1925.00     |            | --            |             |         |
| KEF-2 (KITCHEN EXHAUST FAN)    | KITCHEN                                                                                                        |                            |            |            | 1867.00     |            |               |             |         |
| DEF-1 (DISHWASHER EXHAUST FAN) | KITCHEN                                                                                                        |                            |            |            | 875.00      |            |               |             |         |
| RTU-1                          | WHOLE BUILDING                                                                                                 | 850                        | 1985       | 2835       | --          |            | 30%           |             |         |
| EF-1                           | RESTROOM 1                                                                                                     | --                         | --         | --         | 75.00       |            | --            |             |         |
| EF-2                           | RESTROOM 2                                                                                                     | --                         | --         | --         | 75.00       |            | --            |             |         |
| AHU-1                          | KITCHEN                                                                                                        | 170                        |            |            |             |            |               |             |         |
| AHU-2                          | DINING                                                                                                         | 100                        |            |            |             |            |               |             |         |
| AHU-3                          | KITCHEN                                                                                                        | 100                        |            |            |             |            |               |             |         |
| BUILDING RELIEF                |                                                                                                                |                            |            |            |             | 900.00     |               |             | 2       |
| TOTALS:                        | --                                                                                                             | 5120                       |            |            | 3942.00     |            |               | 5% POSTIVE  | 1       |
| REMARKS                        |                                                                                                                |                            |            |            |             |            |               |             |         |
| (1)                            | BUILDING IS 5% POSITIVE PRESSURE.                                                                              |                            |            |            |             |            |               |             |         |
| (2)                            | BUILDING WILL REQUIRE 900 CFM OF RELIEF TO ALLOW FOR OVERALL BUILDING PRESSURE TO BE MAINTAINED AT 5% POSTIVE. |                            |            |            |             |            |               |             |         |

| GRILLES, REGISTERS & DIFFUSERS SCHEDULE                                                                                                                                     |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|-------|-----------------------------------|--|----------|--------|----------------------------------------------------------------------------------------------------------|-----------|---------|
| MARK                                                                                                                                                                        | MANUFACTURER           | MODEL        | USE   | MOUNTING                          |  | MATERIAL | FINISH | THROW                                                                                                    | LOCATION  | REMARKS |
| A                                                                                                                                                                           | PRICE                  | 24x24 SMD-4A | SA    | LAY-IN                            |  | STEEL    | PRIMED | 4-WAY                                                                                                    | CEILING   | 1-4,7   |
| B                                                                                                                                                                           | PRICE                  | 24x12 PDDR   | RA/EA | LAY-IN                            |  | STEEL    | PRIMED | —                                                                                                        | CEILING   | 1-3,7   |
| C                                                                                                                                                                           | PRICE                  | 520-F-L      | SA    | DUCT                              |  | STEEL    | PRIMED | DOUBLE                                                                                                   | WALL/DUCT | 1,3,6,7 |
| G                                                                                                                                                                           | PRICE                  | 530-F-L      | EA/TA | DUCT                              |  | STEEL    | PRIMED | —                                                                                                        | WALL      | 1,3,7   |
| ABBREVIATIONS:                                                                                                                                                              |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| RA                                                                                                                                                                          | RETURN AIR             |              |       | ROUND TO SQUARE ADAPTER SCHEDULE: |  |          |        | <b>LEGEND</b><br><br> |           |         |
| SA                                                                                                                                                                          | SUPPLY AIR             |              |       | ROUND SIZE:                       |  |          |        |                                                                                                          |           |         |
| EA                                                                                                                                                                          | EXHAUST AIR            |              |       | 6" Ø                              |  |          |        |                                                                                                          |           |         |
| UON                                                                                                                                                                         | UNLESS OTHERWISE NOTED |              |       | 8" Ø                              |  |          |        |                                                                                                          |           |         |
|                                                                                                                                                                             |                        |              |       | 10" Ø                             |  |          |        |                                                                                                          |           |         |
|                                                                                                                                                                             |                        |              |       | 12" Ø                             |  |          |        |                                                                                                          |           |         |
|                                                                                                                                                                             |                        |              |       | 14" Ø                             |  |          |        |                                                                                                          |           |         |
|                                                                                                                                                                             |                        |              |       | SQUARE NECK SIZE:                 |  |          |        |                                                                                                          |           |         |
|                                                                                                                                                                             |                        |              |       | 9x9                               |  |          |        |                                                                                                          |           |         |
|                                                                                                                                                                             |                        |              |       | 9x9                               |  |          |        |                                                                                                          |           |         |
|                                                                                                                                                                             |                        |              |       | 12x12                             |  |          |        |                                                                                                          |           |         |
|                                                                                                                                                                             |                        |              |       | 15x15                             |  |          |        |                                                                                                          |           |         |
|                                                                                                                                                                             |                        |              |       | 15x15                             |  |          |        |                                                                                                          |           |         |
| SLOT DIFFUSER SCHEDULE NOMENCLATURE                                                                                                                                         |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| MODEL # - SLOT LENGTH IN FEET - # OF SLOTS - SLOT WIDTH IN INCHES                                                                                                           |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| REMARKS                                                                                                                                                                     |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| (1) SEE CALL OUTS ON PLANS FOR NECK SIZE AND CFM.                                                                                                                           |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| (2) MECHANICAL CONTRACTOR SHALL PROVIDE REQUIRED RECTANGULAR TO ROUND ADAPTERS AS REQUIRED.                                                                                 |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| (3) ALL INTERIOR DUCT SURFACES VISIBLE THRU FACE OF GRILLE/DIFFUSER SHALL BE PAINTED TO MATCH CEILING COLOR. COORDINATE FINAL COLOR WITH ARCHITECTURAL DRAWINGS. (BY M.C.). |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| (4) REFER TO ROUND TO SQUARE ADAPTER SCHEDULE FOR MORE REQUIREMENTS.                                                                                                        |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| (5) PROVIDE PRE-INSULATED PLENUM                                                                                                                                            |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| (6) PROVIDE GRILLE/DIFFUSER WITH OPPOSED BLADE DAMPER UNLESS GRILLE IS USED FOR TRANSFER AIR                                                                                |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| (7) ALL SCHEDULED AND PURCHASED GRDs TO BE PRIMED AND PAINTED ON SITE. COORDINATE FINAL PAINT COLOR WITH ARCHITECT/OWNER.                                                   |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| NOTES                                                                                                                                                                       |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |
| (1)                                                                                                                                                                         |                        |              |       |                                   |  |          |        |                                                                                                          |           |         |

HOOD INFORMATION – JOB#8605944

| HOOD NO | TAG  | MODEL           | MANUFACTURER | LENGTH | MAX COOKING TEMP | TYPE | APPLIANCE DUTY | DESIGN CFM/FT | TOTAL EXH CFM | EXHAUST PLENUM |  |    |     |      |      | TOTAL SUPPLY CFM | HOOD CONSTRUCTION | HOOD CONFIG          |       |        |
|---------|------|-----------------|--------------|--------|------------------|------|----------------|---------------|---------------|----------------|--|----|-----|------|------|------------------|-------------------|----------------------|-------|--------|
|         |      |                 |              |        |                  |      |                |               |               | RISER(S)       |  |    |     |      |      |                  |                   | WIDTH                | LENG  | HEIGHT |
| 1       | KH-1 | 6024 ND-2-PSP-F | CAPTIVEAIRE  | 11' 0" | 600 DEG          | I    | HEAVY          | 175           | 1925          |                |  | 4' | 14" | 1925 | 1801 | -0.954"          | 1700              | 430 SS WHERE EXPOSED | LEFT  | ALONE  |
| 2       | KH-2 | 6024 ND-2-PSP-F | CAPTIVEAIRE  | 10' 8" | 600 DEG          | I    | HEAVY          | 175           | 1867          |                |  | 4' | 14" | 1867 | 1746 | -0.930"          | 1675              | 430 SS WHERE EXPOSED | RIGHT | ALONE  |
| 3       | KH-3 | 4824 VHB-G-ND   | CAPTIVEAIRE  | 7' 0"  | 700 DEG          | II   | N/A            | 125           | 875           |                |  | 4' | 12" | 875  | 1114 | -0.090"          | 0                 | 430 SS 100%          | ALONE | ALONE  |

EXHAUST FAN INFORMATION – JOB#8605944

| FAN UNIT NO | TAG   | QTY | FAN UNIT MODEL # | MANUFACTURER | CFM | ESP   | RPM  | MOTOR ENCL | HP    | BHP    | PHASE | VOLT | FLA | DISCHARGE VELOCITY | WEIGHT (LBS) | SONES |
|-------------|-------|-----|------------------|--------------|-----|-------|------|------------|-------|--------|-------|------|-----|--------------------|--------------|-------|
| 1           | DEF-1 | 1   | DU33HFA          | CAPTIVEAIRE  | 875 | 0.350 | 1501 | TEAD-ECM   | 0.333 | 0.2120 | 1     | 115  | 4.3 | 433 FPM            | 95           | 15.6  |

FAN ACCESSORIES

| FAN UNIT NO | TAG   | EXHAUST    |                |            | SUPPLY         |                |                  |            |
|-------------|-------|------------|----------------|------------|----------------|----------------|------------------|------------|
|             |       | GREASE CUP | GRAVITY DAMPER | WALL MOUNT | SIDE DISCHARGE | GRAVITY DAMPER | MOTORIZED DAMPER | WALL MOUNT |
| 1           | DEF-1 |            |                |            |                |                |                  |            |

CURB ASSEMBLIES

| NO | DN FAN | TAG   | WEIGHT | ITEM | SIZE                            |
|----|--------|-------|--------|------|---------------------------------|
| 1  | # 1    | DEF-1 | 20 LBS | CURB | 19,500"W X 19,500"L X 18,000"H. |

| DUCTWORK INSULATION SCHEDULE                                                                                                                                                                                 |                            |                      |                           |                                              |                                      |               |         |        |       |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------|---------------------------|----------------------------------------------|--------------------------------------|---------------|---------|--------|-------|----|
| DUCT                                                                                                                                                                                                         |                            |                      |                           | INSULATION                                   |                                      |               |         |        | NOTES |    |
| PURPOSE                                                                                                                                                                                                      | DUTY                       | LOCATION             | STYLE                     | MATERIAL                                     | APPLICATION                          | THICKNESS     | R-VALUE |        |       |    |
| SUPPLY                                                                                                                                                                                                       | MEDIUM PRESSURE / VELOCITY | CONCEALED            | RECTANGULAR               | FIBERGLASS                                   | LINED                                | 1-1/2"        | R-6     | --     |       |    |
|                                                                                                                                                                                                              |                            | CONCEALED            | ROUND                     | MINERAL FIBER                                | WRAPPED                              | 1-1/2"        | --      | --     |       |    |
|                                                                                                                                                                                                              |                            | EXPOSED              | RECTANGULAR               | FIBERGLASS                                   | LINED                                | 1-1/2"        | R-6     | --     |       |    |
|                                                                                                                                                                                                              |                            | EXPOSED              | ROUND                     | MINERAL FIBER                                | WRAPPED                              | 1-1/2"        | --      | --     |       |    |
|                                                                                                                                                                                                              | LOW PRESSURE / VELOCITY    | CONCEALED            | RECTANGULAR               | FIBERGLASS                                   | LINED                                | 1-1/2"        | R-6     | --     |       |    |
|                                                                                                                                                                                                              |                            | CONCEALED            | ROUND                     | MINERAL FIBER                                | WRAPPED                              | 1-1/2"        | --      | --     |       |    |
|                                                                                                                                                                                                              |                            | EXPOSED              | RECTANGULAR               | FIBERGLASS                                   | LINED                                | 1-1/2"        | R-6     | 7      |       |    |
|                                                                                                                                                                                                              |                            | EXPOSED              | ROUND                     | FIBERGLASS                                   | LINED                                | 1-1/2"        | --      | 7      |       |    |
|                                                                                                                                                                                                              | ALL                        | UNCONDITIONED ATTICS | ALL                       | MINERAL FIBER                                | WRAPPED                              | 2"            | R-8     | 1      |       |    |
|                                                                                                                                                                                                              |                            | EXTERIOR             | ALL                       | FLEXIBLE ELASTOMERIC                         | WRAPPED                              | 2"            | --      | 5,7    |       |    |
|                                                                                                                                                                                                              |                            | RETURN               | LOW PRESSURE / VELOCITY   | CONCEALED                                    | RECTANGULAR                          | FIBERGLASS    | LINED   | 1-1/2" | R-6   | -- |
|                                                                                                                                                                                                              |                            |                      |                           | CONCEALED                                    | ROUND                                | MINERAL FIBER | WRAPPED | 1-1/2" | --    | -- |
| EXPOSED                                                                                                                                                                                                      | RECTANGULAR                |                      |                           | FIBERGLASS                                   | LINED                                | 2"            | R-8     | 7      |       |    |
| EXPOSED                                                                                                                                                                                                      | ROUND                      |                      |                           | FIBERGLASS                                   | LINED                                | 2"            | R-8     | 7      |       |    |
| ALL                                                                                                                                                                                                          | RETURN/TRANSFER BOOT       |                      | RECTANGULAR               | FIBERGLASS                                   | LINED                                | 1-1/2"        | R-6     | --     |       |    |
|                                                                                                                                                                                                              | UNCONDITIONED ATTICS       |                      | ALL                       | MINERAL FIBER                                | WRAPPED                              | 2"            | R-8     | 1      |       |    |
|                                                                                                                                                                                                              | EXTERIOR                   |                      | ALL                       | FLEXIBLE ELASTOMERIC                         | WRAPPED                              | 2"            | --      | 7      |       |    |
|                                                                                                                                                                                                              | EXHAUST                    |                      | LOW PRESSURE / VELOCITY   | CONCEALED                                    | RECTANGULAR                          | FIBERGLASS    | WRAPPED | 1-1/2" | R-6   | -- |
| CONCEALED                                                                                                                                                                                                    |                            |                      |                           | ROUND                                        | FIBERGLASS                           | WRAPPED       | 1-1/2"  | --     | 2     |    |
| EXPOSED                                                                                                                                                                                                      |                            |                      |                           | RECTANGULAR                                  | FIBERGLASS                           | WRAPPED       | 2"      | R-8    | 7     |    |
| EXPOSED                                                                                                                                                                                                      |                            |                      |                           | ROUND                                        | FIBERGLASS                           | WRAPPED       | 2"      | --     | 2,7   |    |
| GREASE HOOD EXHAUST                                                                                                                                                                                          |                            |                      | ALL                       | ALL                                          | UL-LISTED FIRE-RATED WRAP SYSTEM, 3M |               |         | --     | 6     |    |
|                                                                                                                                                                                                              |                            | DISHWASHER EXHAUST   | ALL                       | ALL                                          | NONE                                 |               |         | --     | --    |    |
| OUTSIDE AIR                                                                                                                                                                                                  |                            | ALL                  | CONCEALED OR MECH. SPACE  | RECTANGULAR                                  | MINERAL FIBER                        | WRAPPED       | 1-1/2"  | R6     | --    |    |
|                                                                                                                                                                                                              |                            |                      | CONCEALED OR MECH. SPACE  | ROUND                                        | MINERAL FIBER                        | WRAPPED       | 1-1/2"  | --     | --    |    |
|                                                                                                                                                                                                              |                            |                      | EXPOSED (NON-MECH. SPACE) | RECTANGULAR                                  | RIGID FIBERGLASS BD.                 | WRAPPED       | 2"      | R8     | 3,7   |    |
|                                                                                                                                                                                                              |                            |                      | EXPOSED (NON-MECH. SPACE) | ROUND                                        | RIGID FIBERGLASS BD.                 | WRAPPED       | 2"      | --     | 3,7   |    |
| SUPPLY AND RETURN DUCTS FROM UNITS > 4000 CFM                                                                                                                                                                |                            | CONCEALED            | ALL                       | SOUND LAGGING WRAP (REFER TO SPECIFICATIONS) |                                      |               | --      | 1,4    |       |    |
| NOTES:                                                                                                                                                                                                       |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 1. IN ADDITION TO OTHER SCHEDULED INSULATION.                                                                                                                                                                |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 2. PROVIDE LINER ONLY WITHIN 10'-0" OF FAN FOR ACOUSTICS.                                                                                                                                                    |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 3. THICKNESS SHALL ENCAPSULATE DUCT CONSTRUCTION.                                                                                                                                                            |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 4. INSTALL FROM UNIT DISCHARGE TO FIRST DUCT ELBOW, THEN 10' FURTHER. NOT REQUIRED INSIDE CHASES OR MECHANICAL ROOMS, BUT SHALL BE INSTALLED ON REMAINING DUCTWORK WHEN 10'-0" DIMENSION FALLS OUTSIDE ROOM. |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 5. WRAPPED WITH A MINIMUM OF 3MM ALUMINUM JACKET (SEALED AT ALL JOINTS).                                                                                                                                     |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 6. PROVIDE WITH (2)-1/5" OVERLAPPED LAYERS OF RATED FIRE BLANKET UNLESS AN APPROVED DOUBLE WALL DUCT PRODUCT IS IN USE.                                                                                      |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 7. PROVIDE WITH R-8 NEOPRENE AND AN ALUMINUM JACKET OR 2" LINER AND FULLY SEALED JOINTS WITH EXTERNAL PAINT.                                                                                                 |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| GENERAL REMARKS (APPLICABLE TO ALL TYPES):                                                                                                                                                                   |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 1) ALL DUCTWORK, INSULATION AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50.                                                                                                         |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 2) ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2010 REQUIREMENTS AT A MINIMUM.                                                                                                                       |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 3) REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION FOR INSULATION PRODUCTS AND SYSTEMS.                                                                                                                |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 4) R-6 WRAP CAN BE ACCOMPLISHED WITH 1.5" AND 1.5LB., OR 2" AND 0.75LB.                                                                                                                                      |                            |                      |                           |                                              |                                      |               |         |        |       |    |
| 5) R-8 WRAP CAN BE ACCOMPLISHED WITH 2" AND 1.5LB.                                                                                                                                                           |                            |                      |                           |                                              |                                      |               |         |        |       |    |



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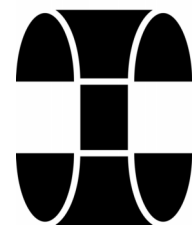
417 MLK JR BLVD  
FAYETTEVILLE, AR

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REVISIONS  
# Description Date

M3.1  
MECHANICAL SCHEDULES

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