

### AIR BALANCE SCHEDULE

| UNIT          | AREA SERVED | HVAC SUPPLY |        | HVAC RETURN |        | HVAC OUTDOOR |        | OA %   |        | HOOD MAKE-UP |        | HOOD EXHAUST |        | GENERAL EXH. |        |
|---------------|-------------|-------------|--------|-------------|--------|--------------|--------|--------|--------|--------------|--------|--------------|--------|--------------|--------|
|               |             | DESIGN      | ACTUAL | DESIGN      | ACTUAL | DESIGN       | ACTUAL | DESIGN | ACTUAL | DESIGN       | ACTUAL | DESIGN       | ACTUAL | DESIGN       | ACTUAL |
| RTU-1         |             | 2000        | 1892   | 1600        | 1522   | 400          | 370    | 20.0%  | 19.6%  |              |        |              |        |              |        |
| RTU-2         |             | 3000        | 2281   | 2500        | 1807   | 500          | 474    | 16.7%  | 20.8%  |              |        |              |        |              |        |
| MUA-1         |             |             |        |             |        |              |        |        |        | 2600         | 1134   |              |        |              |        |
| KEF-1         |             |             |        |             |        |              |        |        |        |              |        | 3400         | 3062   |              |        |
| <b>TOTALS</b> |             | 5000        | 4173   | 4100        | 3329   | 900          | 844    |        |        | 2600         | 1134   | 3400         | 3062   | 0            | 0      |

#### NET BUILDING AIRFLOW CALCULATION

| TOTALS             | DESIGN     | ACTUAL       |
|--------------------|------------|--------------|
| TOTAL OA           | 3500       | 1978         |
| TOTAL EXHAUST      | 3400       | 3062         |
| <b>NET AIRFLOW</b> | <b>100</b> | <b>-1084</b> |

| DOOR TESTED    | BUILDING PRESSURE MEASUREMENTS (IN. H2O) |
|----------------|--|
| FRONT          | -0.0169                                  |
| SIDE           |  |
| REAR           | -0.0207                                  |
| <b>AVERAGE</b> | <b>-0.0188</b>                           |

#### FINAL CHECKS

- ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✗
- MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✓
- PRESSURE FALLS WITHIN IMC TOLERANCE OF +/-0.02" W.C.: ✓

#### RECOMMENDATIONS

| UNIT      | MANUFACTURER | ISSUE                        | EFFECT             | RECOMMENDATION   | RESP.       |
|-----------|--------------|------------------------------|--------------------|--|-------------|
| RTU2      | LENNOX       | EXCESSIVE RETURN RESTRICTION | LOW AIRFLOW        | NT TO PROVIDE AS BUILTS AND DETERMINE CAUSE OF RESTRICTION           | NTI         |
| RTU1      | LENNOX       | NO RETURN OVER ICE MACHINE   | WARM SPACE         | INSTALL A RETURN ABOVE ICE MACHINE TO REMOVE AND TREAT THIS HOT AIR  | FGUYS       |
| KEF1      | CAPTIVE-AIRE | DISCHARGE DIRECTED DOWNWARD  | NOT CODE COMPLIANT | EXCESSIVE GREASE BUILD UP MAY OCCUR ON ROOF AND RTU'S                | FGUYS       |
| MUA1      | CAPTIVE-AIRE | LOW AIRFLOW                  | NEGATIVE BUILDING  | CLEAN OA FILTERS AND PSP. RESHEAVE UNIT WITH NEW PULLEY & RETEST     | FGYUS / NTI |
| RTU1 & 2  | LENNOX       | DISCHARGE TEMPS              | NOT RECORDED       | NTI TO RETURN TO VALIDATE DISCHARGE AIR TEMPS DURING FULL COOL STAGE | NTI         |
| ALL UNITS | ALL          | PREVENTIVE MAINTENANCE       | POOR PERFORMANCE   | CLEAN ALL COILS AND FILTERS TO IMPROVE PERFORMANCE OF UNITS          | GUYS        |