Figure A10 - Cross Contamination Protection Test
Figure A11 - Resistance to Distortion Test

Dial Micrometer, placed at the center of the top

Apply 250 lb (110 Kg) force to top center of back

Tie Down, Securing Chassis to Floor
Figure A12 - Resistance to Distortion Test

Apply 250 lb (110 Kg) force to top center of side

Dial Micrometer, placed at the center of the side

Tie Down, Securing Chassis to Floor
Figure A13 - Resistance to Deflection Test

50 Lb (23 Kg) test load, at geometric center of work surface

Measured at center front edge of work surface, there is no permanent distortion after the test load is removed.
Figure A14 - Resistance to Tipping Test

250 Lb (110) Kg load applied to center of leading edge.

0.0625 inches (2 mm) maximum deflection

Detail “A”
6 inch (15 cm) boundary on the front, rear and both sides.

4 inches (10 cm) from the bottom edge of the sash.

Figure A15 - Velocity Profile Test
Figure A16 - Calculated Inflow Velocity Profile Test for Type A Cabinets
4 inch (10 cm) minimum boundary on both sides, with 4 inches from point to point.

25% of Sash Height.

75% of Sash Height.

Figure A17 - Another Example of Inflow Velocity Test, Type B1
Figure A18 - Supply Air Volume Test

- 2 inch (5 cm) boundary on the front, rear and both sides.
- 6 inches (15 cm) from the bottom of the diffuser.
- 4 inch (10 cm) x 4 inch test grid.
Figure A19.1 - Flexible Style Plenum

Figure A19.2 - Rigid Style Plenum

Figure A19.3 - Backward Curved Fan Style Plenum

Figure A19.4 - Console Style Plenum

Figure A19 - Positive Pressure Tap Placement - Motor/Blower Performance Test

+ = Appropriate pressure tap location
Ø = Inappropriate pressure tap location
Maximum distance between the plane of the blower inlet and the end of the probe equal to $\frac{1}{2}$ of the blower inlet diameter.

Maximum distance between the plane of the impeller inlet and the end of the probe equal to $\frac{1}{2}$ of the blower inlet diameter.

Figure A20 - Negative Pressure Tap Placement - Motor/Blower Performance Test

Figure A20.1 - Forward Curved Blower

Figure A20.2 - Backward Curved Impeller
0.40” Dia. thru holes
typical 2 places

0.25” Outside
Dia. tube

1/8” NPT x 1/4” tube
connector, soldered
to seal

3/16” o.d.
Tube barb

Figure A21 - Pressure Tap
Location “A” shows the preferred location. Location “B” is an alternate location. The air supply register(s) above or near the cabinet’s location should be blocked or redirected away from the cabinet face.