



LEGEND

- Q = quantity of air, in cubic feet per minute (cfm)
- R = resistance of airway
- i = pressure, in inches of water gage
- = portable fan (5 to 50 hp)
- = stationary fan
- = air door
- = regulator door
- = fire door
- = direction of air flow
- = fan line

Q=400,000 cfm
R= 0.098
i = 1.57"

Q=169,000 cfm
R= 1.560

Q= 231,000 cfm
R= 0.828

R (in parallel) = 0.277
i = 4.43"

Q=124,500 cfm
R=0.312

R (in parallel) = 0.090
i = 0.48"

R=0.426
Q=106,500 cfm

Q=380,000 cfm
R (in parallel) = 0.176
i = 2.54"

Q=20,000 cfm
R=0.243
i=0.01"

15 &/or 20HP fan on each vent hole (26-36" holes)
14,600 cfm @ 4.7"

JOY HH 72-50
700HP
200,000 cfm @ 13.5"

JOY HH 72-50
700 HP (max)
200,000 cfm @ 13.5"

Q=400,000 cfm
R= 0.413
i = 6.61"

Q=380,000 cfm
R= 0.147
i = 2.12"

MIAMI EAST
CITIES SERVICE COMPANY
MIAMI, ARIZONA

GENERAL VENTILATION SCHEMATIC
PHASE 3: FINAL PRODUCTION
(AFTER DECEMBER, 1975)

SCALE: NONE W.E.H.
DATE: 8-1-73 V-3

No.	Date	By	Remarks