

NO. 5 SHAFT  
ELEV. 3635

NO. 7 SHAFT  
ELEV. 3682

NO. 11 SHAFT

NO. 12 SHAFT

AMERICAN BLOWER CO.  
150 HP

320 LEVEL  
ELEV. 3400

JOY 42.25-26-1770  
100HP 1 STAGE  
7.5" a 39200 cfm

1000 LEVEL  
ELEV. 2715

42" METAL VENT PIPE  
39,200 cfm  
0.46" LOSS/100'

2900 LEVEL

30" METAL VENT PIPE  
11,500 cfm  
0.21" LOSS/100'

JOY HH 72-50  
(install prior to connecting with # 11 shaft)

30" METAL VENT PIPE  
16,500 cfm  
0.42" LOSS/100' ✓

JOY 42.25-26-1770  
75 HP 1 STAGE  
7.5" a 39,200 cfm

36" METAL VENT PIPE  
16,500 cfm  
0.16" LOSS/100'

TRANSITION FROM  
36" TO 30"

2900 LEVEL  
ELEV. 773

JOY 36-26.5-1750  
50 HP 2 STAGE  
12" a 16,500 cfm

SPIRAL RAMP

STOPPING AREA

3300 LEVEL

30" METAL VENT PIPE  
11,500 cfm  
0.21" LOSS/100'

36" METAL VENT PIPE  
22,700 cfm  
0.31" LOSS/100' ✗

TRANSITION FROM  
36" TO 30"

30" METAL VENT PIPE  
22,700 cfm  
0.80" LOSS/100' ✓

3300 LEVEL  
ELEV. 373

JOY 36-26.5-1750  
50 HP 2 STAGE  
9" a 22,700 cfm

LEGEND

- Q = quantity of air, in cubic feet per minute (cfm)
- R = resistance of airway
- l = 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

No.	Date	By	Remarks

MIAMI EAST  
CITIES SERVICE COMPANY  
MIAMI, ARIZONA

GENERAL VENTILATION SCHEMATIC  
PHASE I: INITIAL DEVELOPMENT  
(NOVEMBER 1973 to NOVEMBER 1974)

SCALE: NONE BY: W.E.H.  
DATE: 8-1-73 NO.: V-1