

Wood-Fired Rotisserie & Pizza Oven

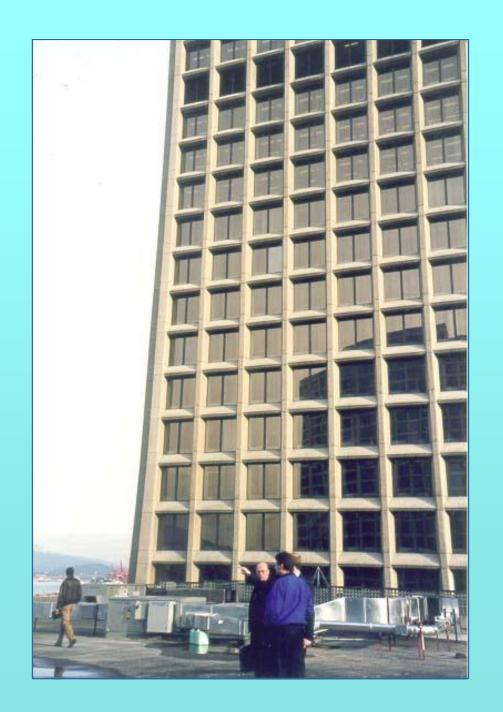






Still a Problem

Complaints from adjacent office tenants about wood smoke odors



Even Bigger Problem

Odor complaints from downstairs tenant



Options under Consideration

- Replace hoods
- Replace Ecology package with:
 - Electrostatic Filter (ESP)
 - Potassium Permanganate Pellets
- Estimated retrofit cost: \$240,000
- Estimated maintenance cost: \$40,000/yr (based on manufacturer figures)
- Frying Pan to Fire?

Strategy Adopted

- Collaborative effort stop the finger pointing!
- Worked with the mechanical consultant,
 Reid Crowther, originally hired to solve
 problem and the reps of existing equipment
- Modified the existing system from the inside out!

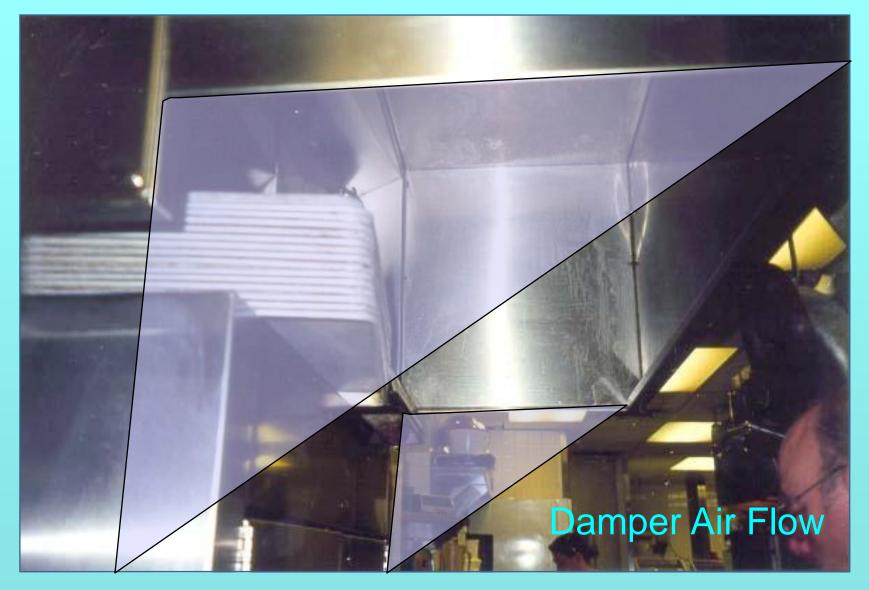
Side Panels Improved Capture



Back of Rotisserie Hood



Side Curtain Retrofit

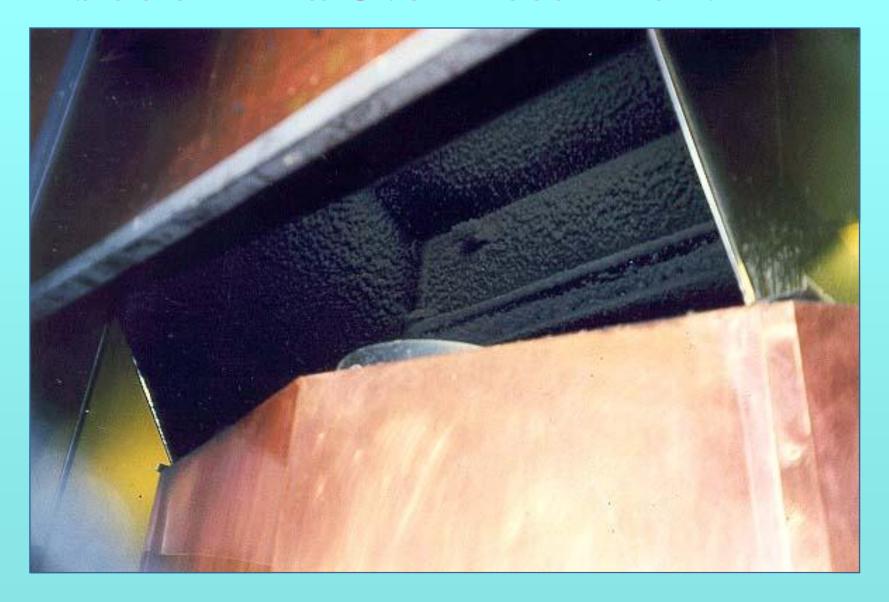


Pizza Oven Hood

Draft style hood - open front & back



Inside of Pizza Oven Hood - Yuk!



Back of Hood



Closed Off Back



Improved Capture

Hinged panel (access for cleaning)



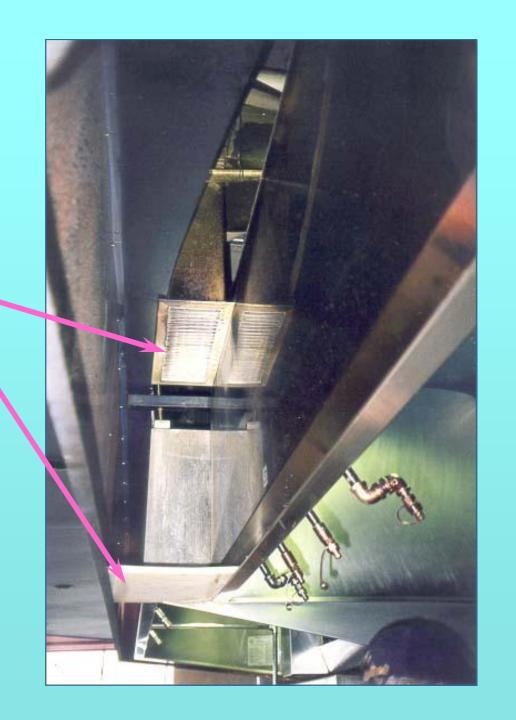
No 4-Way Diffuser



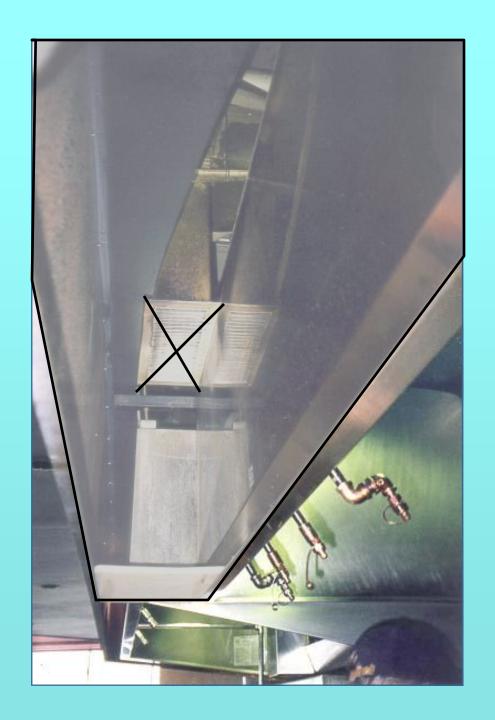
History!



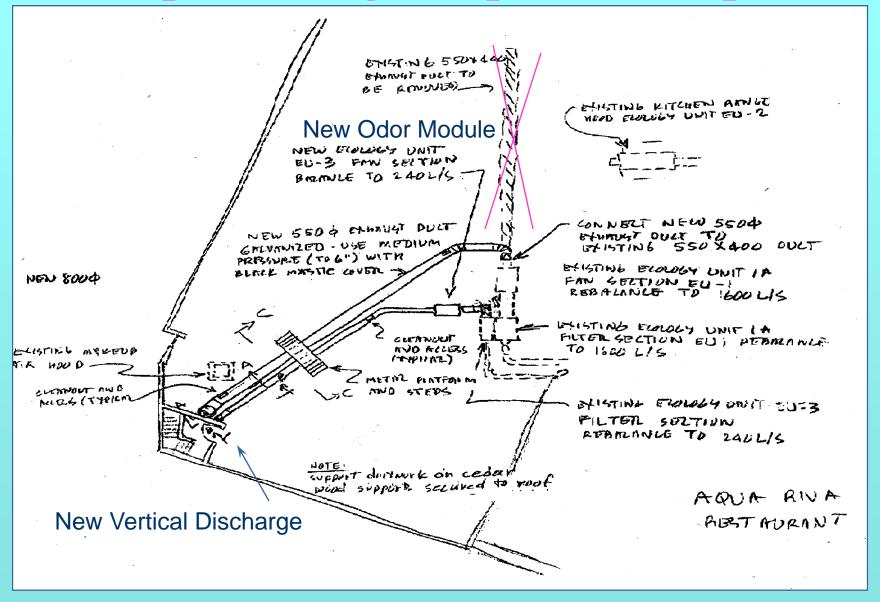
Nasty Makeup
Air Grille
Location and
Chef "Fix"



Blocked Grille & Enclosed Plenum

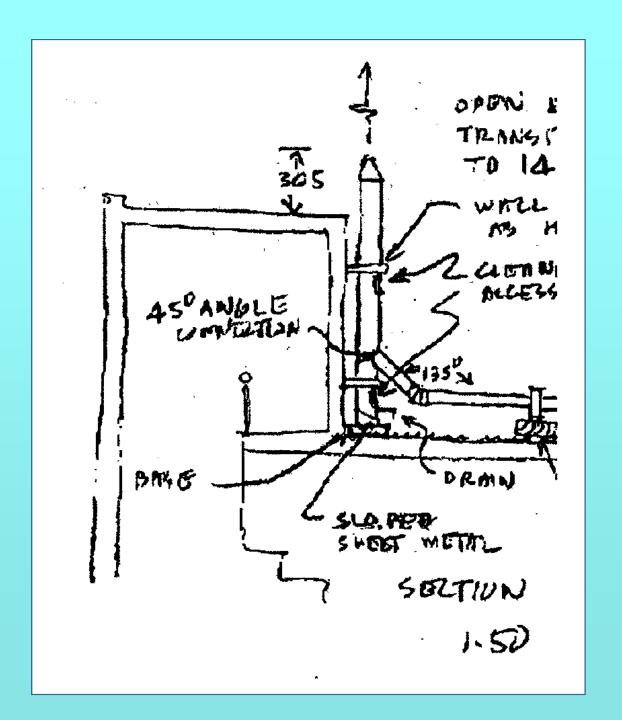


Rooftop Re-Design (Aqua Riva napkin!)



Re-Design

High-Velocity Vertical Discharge



The Outcome

- Building management non-committal filter costs still too high!
- But no call backs!
- And the chef remembered the consultant from California that helped solve their hood problems!
- Sometimes you get lucky!