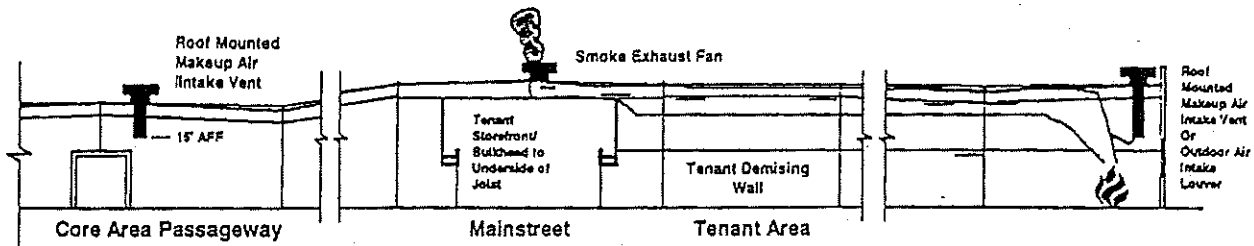


Concord Mills



1. Smoke exhaust system is based upon NFPA 92B, where fire size determines smoke exhaust rates and minimum discharges are not specified. (refer to the Building Code/Fire Protection Program for Concord Mills – Tenant Edition). Coordinate with Tenant Coordination.
2. Tenants with walls that do not extend to the roof deck are served by the base building smoke exhaust system.
3. Tenants with wall extending to the roof deck on all sides must provide an independent smoke exhaust system or the wall must be 50% open between the 12' level and the roof deck.
4. Tenants with any walls extending to the roof deck or over 12' must be evaluated to determine the effect on the base building smoke exhaust system.
5. The building is divided into tenant area and Mainstreet area smoke exhaust zones. The smoke exhaust zone boundaries correspond to the sprinkler system zone boundaries, generally with no physical boundaries between them.
6. Mainstreet zones, may overlap tenant areas. –
7. Activation of smoke exhaust equipment results from sprinkler waterflow, smoke/heat detection (excluding duct smoke detection), kitchen extinguishing systems, and manually from the Fire Command Center.
8. Sprinkler waterflow, smoke/heat detection (except duct smoke detection), and kitchen extinguishing system fire alarm signals will automatically shut down RTU's within the zone of origin and adjacent zones.
9. Only smoke exhaust equipment designated to serve a specific zone will activate (smoke exhaust fans operating, intake roof vents open) upon a fire alarm signal within the zone.
10. All HVAC roof top units will be provided with duct smoke detection on the return and supply air sides of the fan unit. Activation of a duct smoke detector will cause shutdown of the affected RTU only.

Concord Mills Smoke Exhaust System Concept