

CVM-Center Court South HVAC Design Guidelines

The following basic notes and guidelines are only for the HVAC systems located in the lower level of the former Lord and Taylor area, now referred to as Center Court South:

- The main HVAC supply and return air system for this lower floor is part of the Smoke evacuation system for both levels of the former LT area (Center Court South below, Belks Men's above). Air handling unit No. 1 in the Mechanical Penthouse provides 57 degree conditioned air in the main supply duct during normal operating hours. The return air path back to AHU No.1 goes across the lower floor ceiling space, up through RA ducts and across the ceiling space of the upper floor (Belks Men's Department) to the RA inlet of AHU No. 1. The smoke evacuation path is the same as the RA path.
- The tenant is required to provide a fan powered VAV box with "stand-alone" temperature controls for his individual space. Each Box must have an electric heat coils as required for each tenant.
- The minimum airflow design for each tenant HVAC system should be 0.6 CFM per square foot of tenant floor space.
- The tenant is required to provide an override control relay for each of his VAV boxes. Control wiring from this relay will be provided by the Landlord for interconnection to the smoke evacuation system for both levels.
- VAV and fan powered VAV boxes shall be by Trane or Carrier.
- The ceilings of the lower floor tenant areas are NOT rated and do not require radiation dampers, fire dampers, or tenting on the light fixtures. The structure above the lower floor ceiling has a sprayed on fire rating.
- The metal stud framing of the tenant demising walls extends to the second floor deck above, but the gyp board on these walls extends only 6" above the ceiling of each tenant space.

- A minimum of 24" above the ceiling must be maintained unobstructed in order to allow a path for the RA and smoke evacuation path back to AHU No. 1.

The following notes apply to the fire alarm system for each tenant space:

- The tenant will provide his own "stand-alone" fire alarm system for his space.
- The tenant will provide a duct mounted smoke detector for each fan powered VAV box that exceeds 2000CFM. These duct detectors shall NOT shut down the box but will only be tied into the tenant fire alarm system.
- The Landlord will provide a fire alarm system monitor module above the ceiling just outside the tenant space for interconnection between the tenant's "standalone" fire alarm system and the central fire alarm system for the Mall. Wiring between the tenant fire alarm system and the monitor module will be by the tenant.