



MECHANICAL SYSTEMS ENGINEERS, INC.

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Per your request, we did a more in-depth code review in response to Mike Nugent's comments regarding fire dampers. As a result of that review we are requesting the following Change Proposal to be issued prior to signing of construction contracts.

1. Provide a fire damper at all ceiling supply and exhaust registers (and grilles) within apartments and corridors and discharge grille from EF-6 (Building 2). Dampers shall be intended for installation within the ductwork immediately above each register or grille. Please modify specification section 15600, "MECHANICAL", Par. 2.21, "SHEETMETAL", sub-par. "L" to read as follows:
 - L. Fire Dampers
 1. Fire dampers shall be installed to comply with NFPA Code No. 90A and shall bear a U.L. label. Provide fire rated access door at each fire damper not accessible through grille. All dampers shall comply with UL555 for dynamic testing and positive closure under air flow.
 2. All fire dampers for mounting in walls and floors to be provided by damper manufacturer with integral sleeves and mounting angles. Sleeves provided "in-field" are not acceptable. Models indicated are Ruskin to establish a standard: Dampers installed above ceiling registers and grilles shall be designed to mount within ductwork.
 - a. Wall and floor types; Model IBDT, Style "B".
 - b. Wall type behind grilles; Model IBDT2, Style "A"
 - c. Above ceiling grilles and registers; Model CFD2W
 3. Units (not located behind grilles) shall be style "B" with the curtain isolated out of the stream.
 4. Provide factory mounted fusible links designed to melt at 165°F. and close the damper.
 5. Installation shall be in accordance with damper manufacturer's instructions
2. Mount Exhaust Fan 5 (B2 Mechanical 2-111) below the gypsum ceiling.