



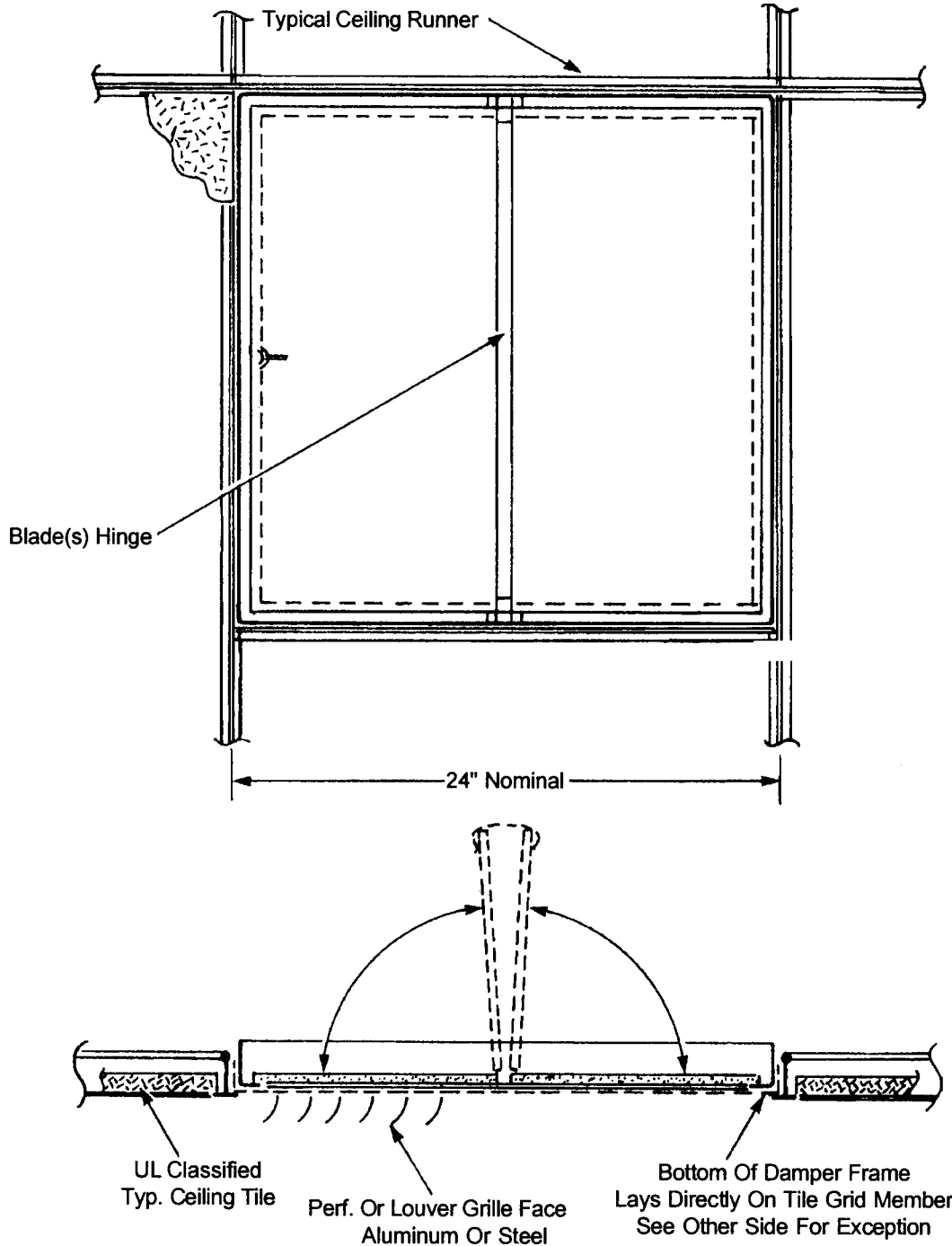
Rated per UL555C, UL File R7365 for use in rated ceiling assemblies

Installation Instructions For Model 5680 Return To Plenum Lay-In Damper (Grille Assembly)

For Use In Any Fire-Resistive Floor or Roof-Ceiling Design With A Restrained Or Unrestrained Assembly Rating Of 3 Hr. or Less.

The above damper may be substituted for each sheet metal damper over a 113 sq. in. or larger duct outlet specified in the design. Dampers must be installed in accordance with accompanying installation instructions.

"For use in lieu of the hinged-blade, sheet metal dampers in steel ducts as specified in the 'Design Information Section - General' and in the individual floor- or roof-ceiling design(s) being used, as illustrated and described in the current UL Fire Resistance Directory. (Ceiling and diffusers shown here for general information only.)"



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INSTALLATION INSTRUCTIONS FOR RETURN TO PLENUM LAY-IN DAMPER/GRILLE ASSEMBLY

1. Install damper into appropriate size ceiling grid module.
2. The method of damper support is: four 12 SWG. steel hanger wires in holes provided in grid at slot location, at the four intersections of the cross tees and main runners, and cross tees at the corners of the grid module containing the damper. When used, the damper hanger wires shall support the entire weight of the damper without lifting it off ceiling suspension system members. All hanger wires shall be supported directly from the structural members of the floor or roof by vertical* (not diagonal) hanger wires, 12 SWG. minimum. Cold rolled channels shall be used as required to insure that the grid and damper are supported from the structural members by vertical hanger wires (not diagonal).
3. Ceiling tiles filling the remainder of the module less than 24" x 48" shall be cut to provide a minimum of 3/8" bearing lap onto flanges of main runners and cross tees.
4. Smaller sizes may be used when the UL classified grid members have pre-punched slots for other than 24" cross tee placement such as would allow 18", 12" or 6" lay-in rectangular dimensions (x 24").
5. Clearance between ceiling damper/grille assembly and grid must be maximum of 1/8" on each side.
6. When using grilles with upturned edges, the upturned edges of the grille shall be no longer than 1". Also, the upturned edge must remain below the bottom of the steel framing member top bulb.

