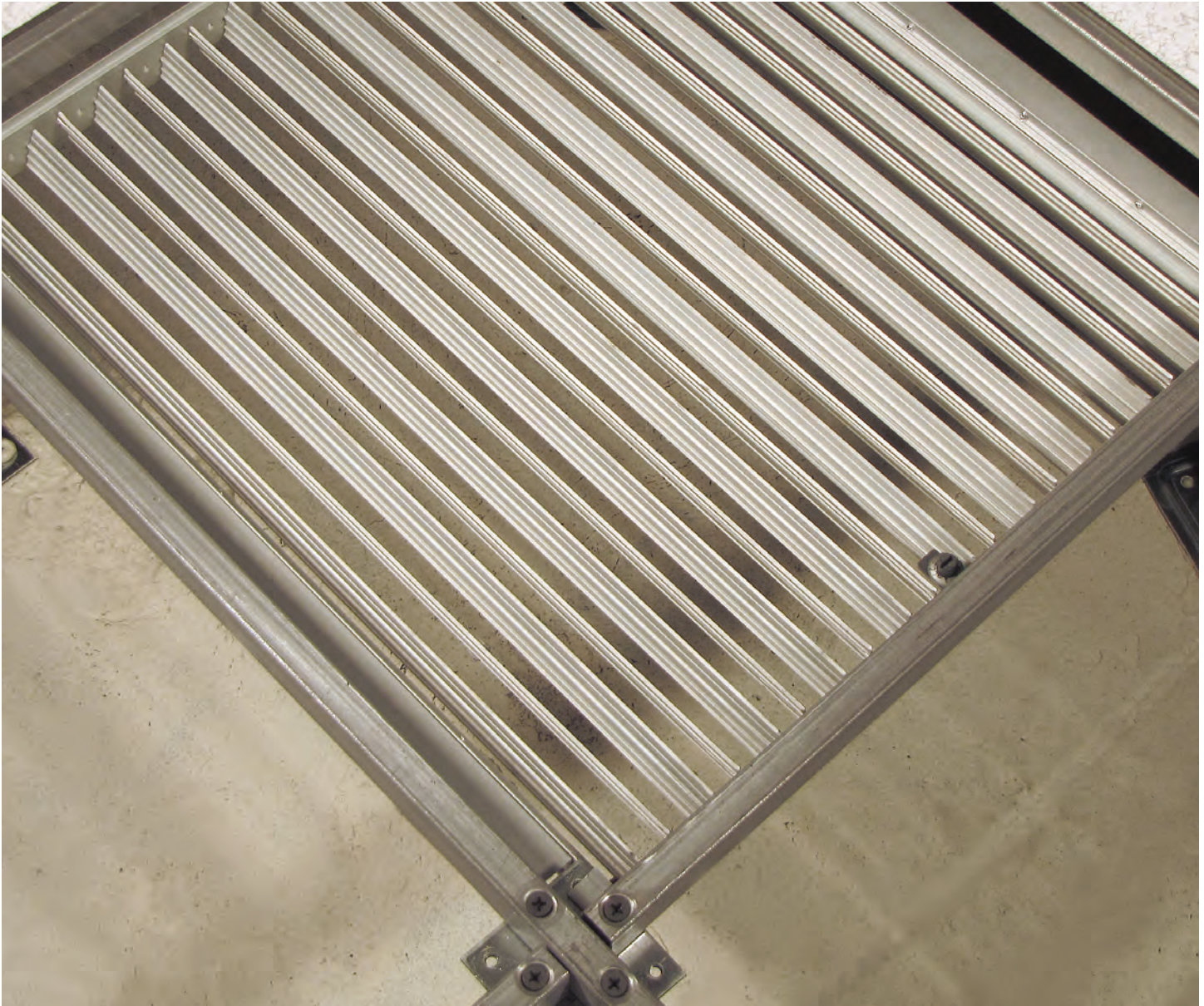


# Opposed Blade Damper Installation Guide

Rev. 0, 5/2/11



**Tate**<sup>®</sup>



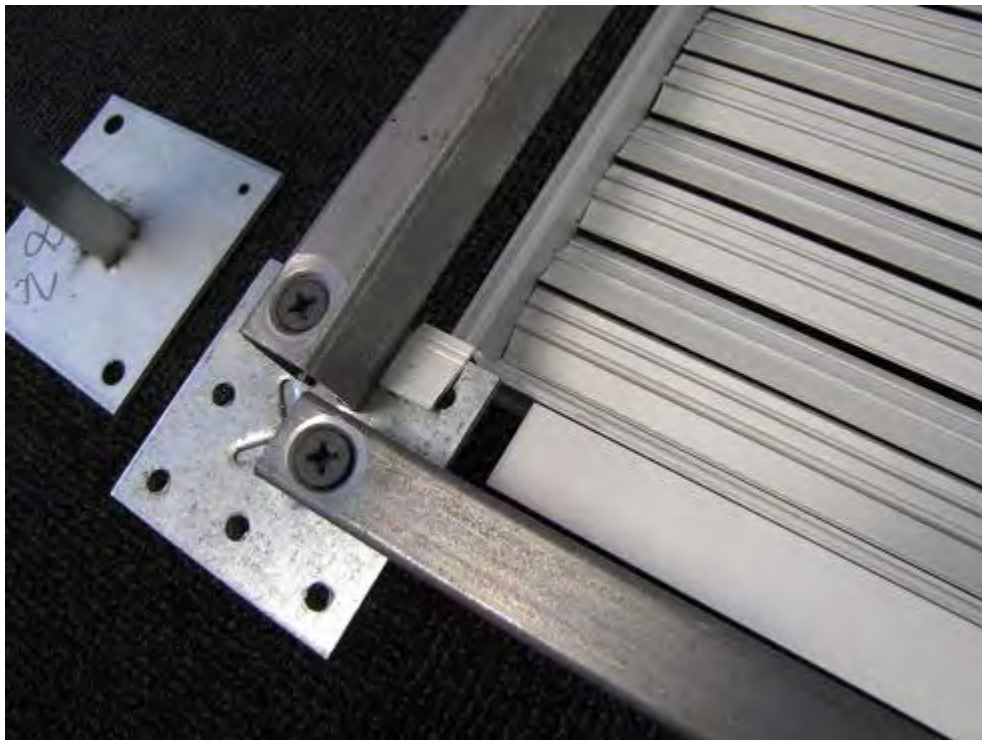
1. Remove the existing DirectAire panel from the floor



2. Remove the opposed blade damper from its packaging and inspect it for damage.



3. Rotate each corner tab to the upright condition. Bend each tab outward towards from the part as shown



4. Drop the damper into the stringer system, allowing each tab to rest on the pedestal head.



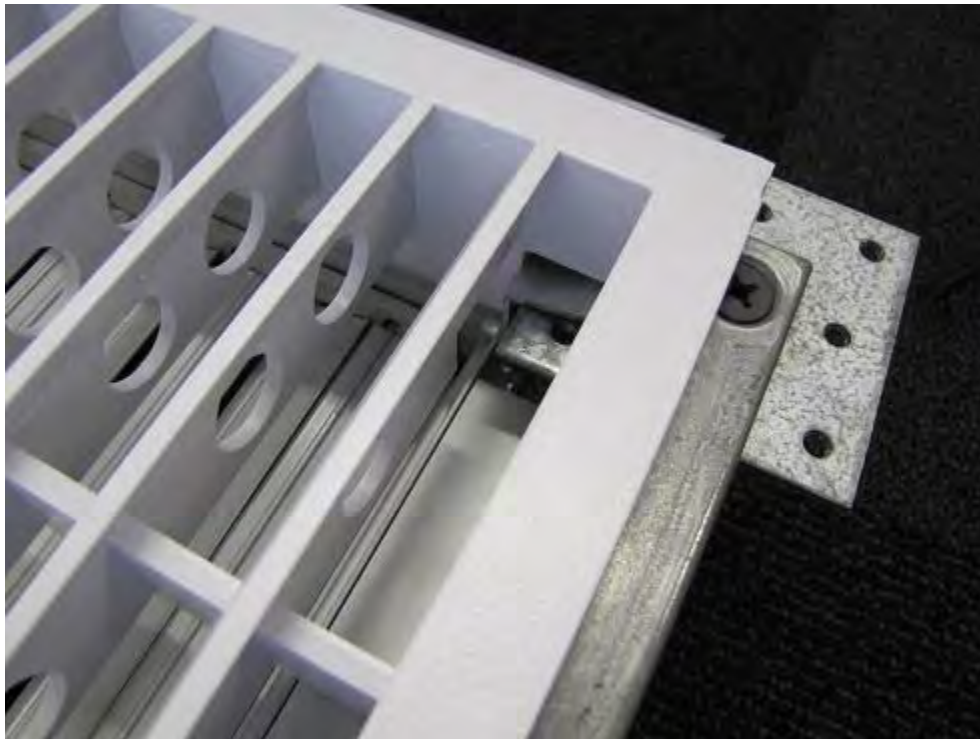
5. Drop the opposed blade damper in so that the adjustment screw is aligned with the stringer perpendicular to the rack face.

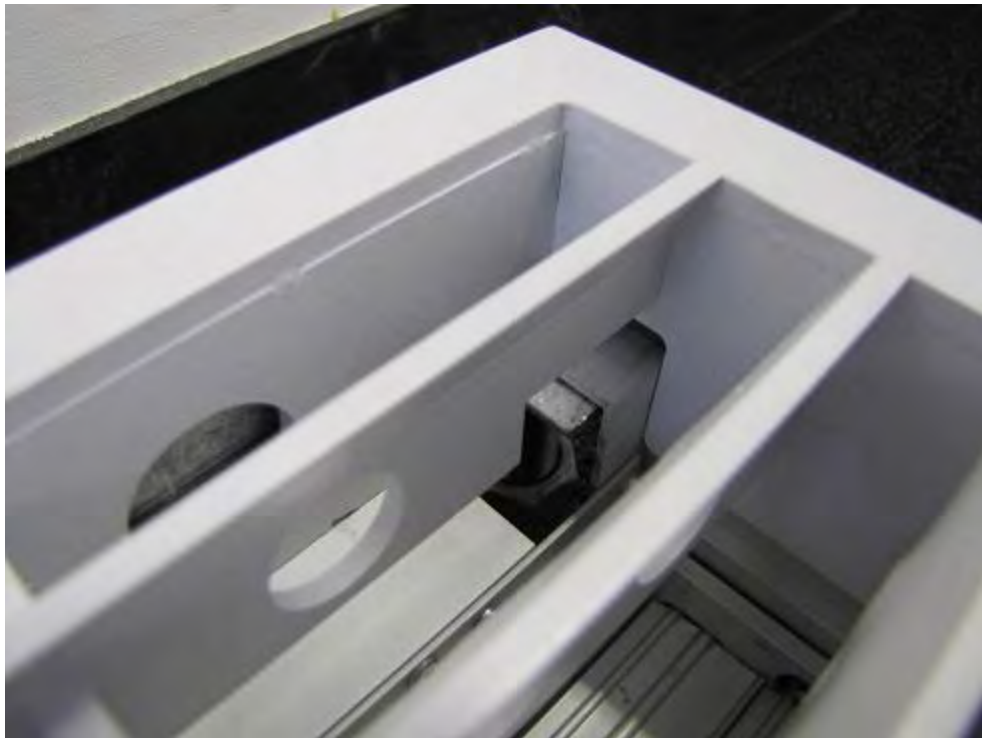


6. Slide the DirectAire into place as shown, facing the angled portion of the DirectAire blades towards the rack face. Slide the panel towards the rack.



7. While installing the DirectAire, the first tabs will be pressed against the pedestal head. If the tabs have not be sufficiently bent away from the damper, the above image may occur when drop the back half of the damper into place. If this occurs, remove the DirectAire panel and tweak the tabs. The tabs are purposefully designed to ensure a tight fit.

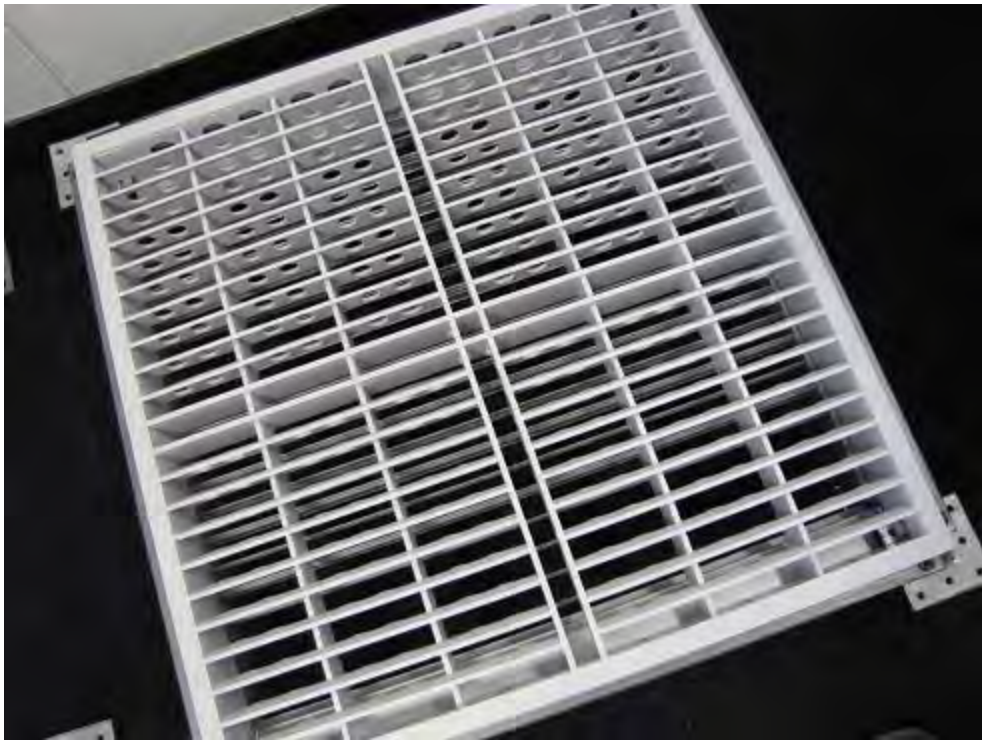




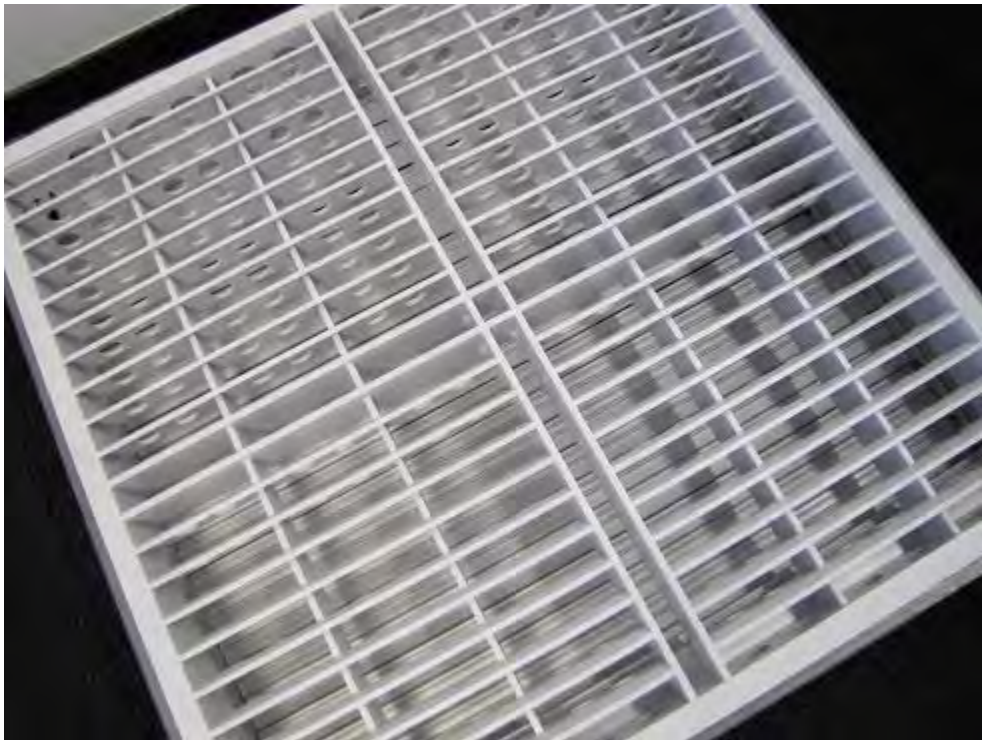
8. Once the DirectAire is installed correctly the tabs will be pressed tightly into the pedestal head. This ensures that the damper is held tightly in place during operation.



9. If the drop in opposed blade damper has been installed correctly, the adjustment screw will be visible as shown above. A standard screw driver can be used to adjust the damper position. If no equipment is currently installed, it is suggest that the damper be installed in the closed position. If equipment is installed, the damper should be opened to allow sufficient airflow given the requirements of the IT equipment.



Damper Installed and Adjusted to Fully Open



Damper Installed and Adjusted to the Fully Closed Position

10. The drop in opposed blade damper maybe adjusted to any value between fully open and fully closed as the user requires.