

Agitair® RC® Series Suggested Specification:

Ceiling diffusers shall be Agitair® RC® Series by Tuttle & Bailey. The RC (Steel) or ARC (Aluminum) diffusers shall be the size and style to match project plans and schedules. The ceiling diffusers shall be multi-orificed jet induction and air mixing type consisting of louver sections with built in diffusing vanes. The vanes shall be arranged to discharge air from adjacent louvers at an angle of 45° in opposite directions to ensure rapid mixing of primary and room air. Diffusing vanes shall be welded and mechanically fastened to the adjacent louver sections to add rigidity. The vanes shall extend to the discharge edge of the louvers. Where louver sections join the core margin, the louver ends shall be welded to the core margin. The leaving edge of each louver shall be hemmed and the louver ends shall be rounded and hemmed before welding to the core margins. Diffusers shall be square or rectangular as shown on the drawings.

Diffusers shall be assembled in patterns which provide one, two, three or four way air discharge with each side delivering a quantity of air proportional to the area served. Diffuser shall be provided with a removable core permitting easy access to the collar connection. The diffuser shall extend no less than 1" above the core to accommodate an internal duct connection to minimize leakage into the ceiling space. Finish shall be Tuttle & Bailey White (WH) electrocoat finish. The finish shall be an anodic acrylic paint, baked at 315°F for 30 minutes with a pencil hardness of HB to H.

The manufacturer shall provide published performance data tested in accordance with the ANSI/ASHRAE Standard 70-1991.