

### **Turning Vane and Rail**

Provide and install turning vane and rail as manufactured by Ward Industries as shown on plans and at every square bend. Vane and rail shall be constructed and installed according to SMACNA Duct Construction Standard Section 2.1. Large vane shall be constructed of minimum 24 ga. (0.70 mm) galvanized steel and shall have an inner radius of 4.5" (113 mm) and have a maximum unsupported length of 72" (1800 mm). Large rail shall be constructed of minimum 22 ga. (0.85 mm) galvanized steel and shall allow for a vane spacing of 3.25" (82 mm). Small vane shall be constructed of minimum 26 ga. (0.55 mm) galvanized steel and shall have an inner radius of 2" (50 mm) and have a maximum unsupported length of 48" (1200 mm). Small rail shall be constructed of minimum 22 ga. (0.85 mm) galvanized steel and shall allow for a vane spacing of 2.125" (53 mm). Complete vane and rail assemblies shall be fitted into the duct and fastened by means of bolts, screws or weld.