

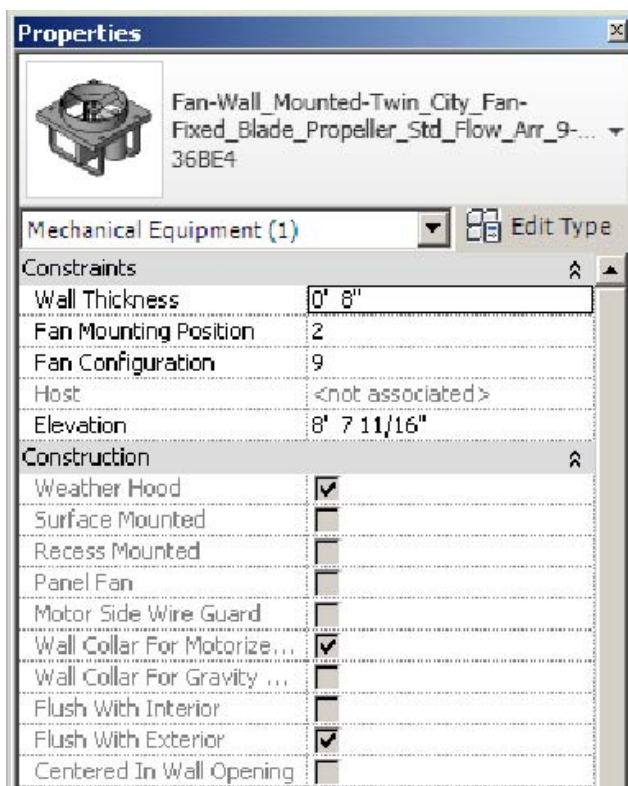
# TCWP, TCWPX, TCWPZ Propeller Wall Fan Usage Guide

The TCWP, TCWPX and TCWPZ propeller wall fans offer both performance flexibility and a variety of mounting positions and configurations. Due to the number of variations available, Twin City Fan's Revit families are configurable to meet application requirements for mounting with and without accessories.

## How It Works

Refer to the **Revit Family Usage Guide** for details on how to load a family into a project. Users will see that each fan type contains an .rfa file for standard (exhaust) and reverse (supply) airflow in both belt drive arrangement 9 and direct drive arrangement 4 construction. Once the family is loaded in the project, the default properties will be '0' for the Mounting Position (Recess Mounting in the Wall) and '0' for Fan Configuration (Fan and no accessories), see **Figure 1**. The next step is to determine the mounting position required from among the 5 available numeric options (0 through 4). The mounting position parameter refers to how the fan mounts in relation to the wall and the wall opening. In order to ensure proper mounting position, the user must verify that the wall thickness parameter of the component (fan) matches the host wall thickness. **Table 1** below describes what each option designates. Note that Positions 2, 3 and 4 are only applicable to a fan with a Wall Collar. The final step is to choose a fan configuration, which defines the specific combination of accessories included with the fan. Models TCWP, TCWPX and TCWPZ have 4 accessories and 12 fan configurations (numbered 0 through 11). See **Tables 1 and 2** to configure a TCWP, TCWPX or TCWPZ.

**Figure 1**



**Table 1. TCWP/X/Z Mounting Positions**

Position	Description
0	Recess in Wall Opening
1	Surface Mounting
2	Flush with Exterior Wall
3	Centered in Wall Opening
4	Flush with Interior Wall

**Table 2. TCWP/X/Z Fan Configuration Options**

		0	1	2	3	4	5	6	7	8	9	10	11
Accessories	Weather Hood		X						X	X	X	X	X
	Motor Side Guard			X		X		X	X			X	X
	Wall Collar for Gravity Damper				X	X				X		X	
	Wall Collar for Motorized Damper						X	X			X		X

For assistance with Twin City Fan Revit models, please send an email to [revithelp@tcf.com](mailto:revithelp@tcf.com).