

## Overview

This Revit model is meant for architects, designers and engineers for use in Revit. It is fully parametric with pre-set constraints for location, size and airflow characteristics of vents, and panel configurations. Modifying door sizes will automatically update vent size and location.

## Files

Files are compatible with Revit 2015 and newer versions. Refer to product sheets for additional information.

| Door thickness   | Standard door skins | Routed door skins (Alki) |
|------------------|---------------------|--------------------------|
| 1-3/8" thickness | VA7300 VA8.rfa      | VA7300 VA8 – Alki.rfa    |
| 1-3/4" thickness | VA7500 VA4.rfa      | VA7500 VA4 – Alki.rfa    |
|                  | Door Library.rvt    |                          |

## Features

### Standard and Max Airflow Option

Airflow data is available in the type properties dialogue box for the standard and max airflow option.

### Standard and Reverse Slot Placement

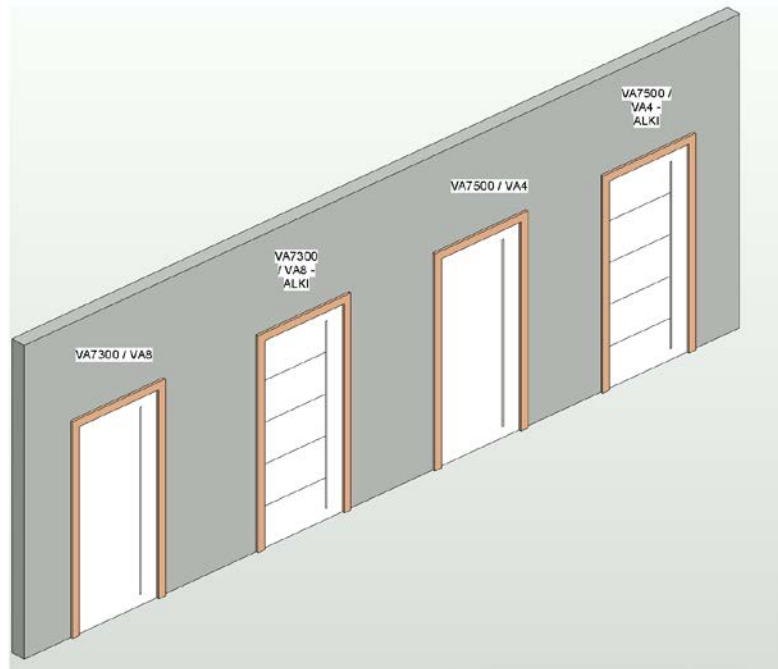
Standard slot placement is with the strike. Select left or right option to achieve the desired look.

### Door Trim

Select door trim on or off. Door and trim material can be easily changed.

### Door Schedule

Door schedule will populate automatically with door size, model, and standard door schedule information.



## Instructions

### General

1. Open the desired door file with Revit 2015 or newer.
2. Load into Revit, or click and drag file into project.
3. Select door size from the drop-down menu and place door where desired.
4. Select vent location, and turn trim on or off.
5. Adjust for custom sizes if needed by using standard Revit techniques.

### Engineering Related

- A. Once door is loaded in (see steps 1-4), select door and click "edit type" in the properties dialogue box.
- B. Under the Mechanical - Flow options group, change the "Pressure" to the desired number (in Pascals) and the Airflow values will be displayed above in CFM for both the high airflow model, and the standard airflow model. These numbers are extrapolated from the airflow performance chart in the product data sheet.

**Type Properties**

Family:  Load...

Type:  Duplicate... Rename...

**Type Parameters**

| Parameter                     | Value   |
|-------------------------------|---|
| <b>Construction</b>           |   |
| Function                      | Interior                                      |
| Wall Closure                  | By host                                       |
| Construction Type             |   |
| <b>Materials and Finishes</b> |   |
| Door Material                 | Paint Ready White                             |
| Trim Material                 | Door Trim                                     |
| <b>Mechanical - Flow</b>      |   |
| Standard Airflow Model        | 170.00 CFM                                    |
| High Airflow Model            | 340.00 CFM                                    |
| Pressure                      | 12.00 Pa                                      |
| Mechanical Notes              | CFM under 2 Pa is extrapolated from the chart |
| <b>Dimensions</b>             |   |
| Thickness                     | 1 3/8"  |
| Height                        | 80"   |
| Width                         | 36"   |
| Trim Width                    | 3"  |
| Trim Projection Ext           | 1"  |
| Trim Projection Int           | 1"  |

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