Aldes North America Building Survey Form

PURPOSE OF BUILDING SURVEY

ALDES North America manufactures airflow regulating products for both new and existing building ventilation systems. Existing ventilation systems vary from building to building, often requiring specially adapted products to ensure proper installation and performance. In order to select the right product for an existing system, please complete the following survey and e-mail to jim.jacobson@aldes.com. If possible, please include photos that may help clarify any special circumstances that the survey form may not reveal.

Once the form has been reviewed by the factory, it may be necessary to build a sample product for trial installation in the building to ensure that all necessary installation factors are addressed.

DISCLAIMER: The information provided is not the responsibility of ALDES North America. Any discrepancy found among the actual building, survey information, and product provided by the factory is borne by the individuals conducting the building survey.

GENERAL INFORMATION

PROJECT NAME _____

LOCATION _____

CONTACT NAME/PHONE/E-MAIL _____

ESTIMATED QUANTITY NEEDED _____

BUILDING DESCRIPTION _____

_____

_____



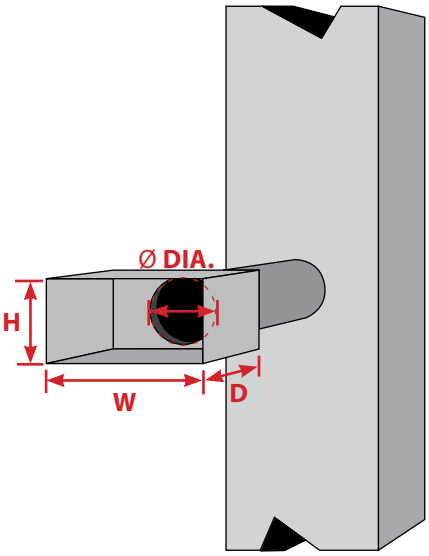

SECTION I: SUPPLY & EXHAUST GRILLES

DUCT CONNECTION & ORIENTATION

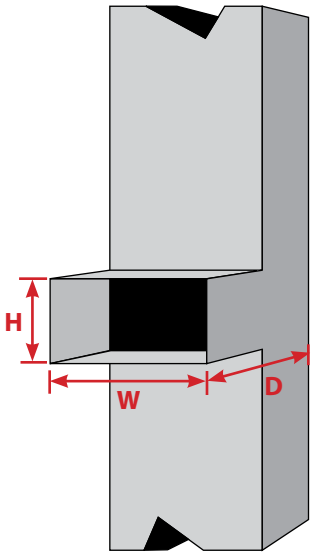
Check the box next to the orientation that best describes your existing system. Fill in the wall or ceiling opening dimensions below. If your system is not represented below, please attach a drawing of your system and supply the relevant dimensions. This information is crucial to ensure proper product selection and size.

Wall Mount

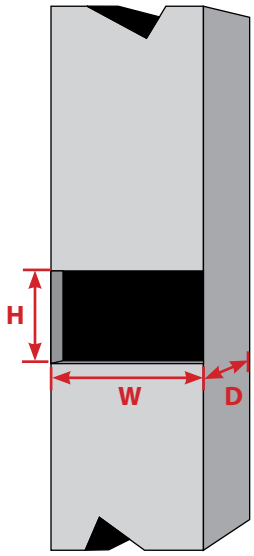
☐ Round Take-Off from Shaft/Riser*



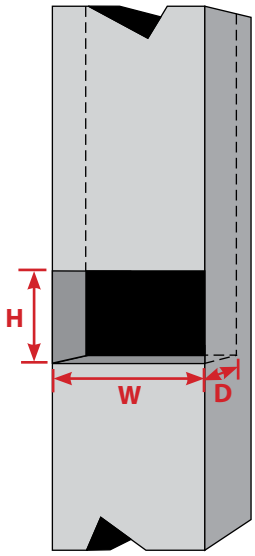
☐ Square or Rectangular Take-Off from Shaft/Riser*



☐ Direct Opening into Shaft/Riser*



☐ Sub-Duct in Shaft/Riser



* See page 4 if fire dampers or other obstructions are present.

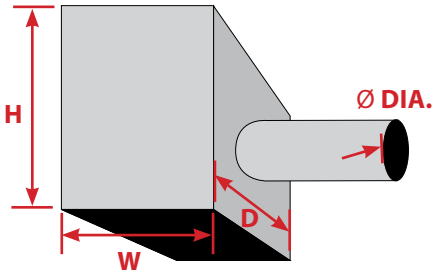
Ceiling Mount

Check Box:

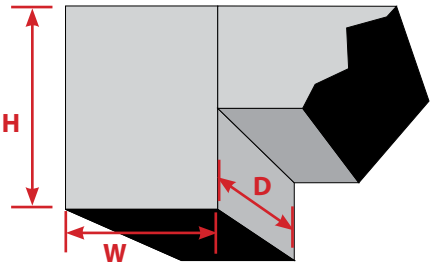
☐ Supply

☐ Exhaust

☐ Round Take-Off



☐ Square or Rectangular Take-Off



Opening Dimensions

Width (W) _____

Height (H) _____

Depth (D) _____

Nominal Diameter (Ø DIA.) _____

Provide exact dimensions in inches.
See page 8 for examples.

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EXISTING GRILLE DIMENSIONS

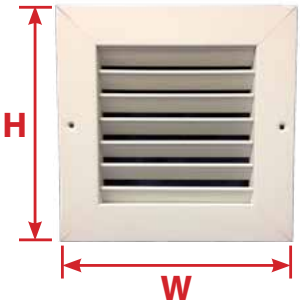
Supply the dimensions of the existing grille, both from the front and the back. These dimensions help ensure that the new ALDES grilles will fit accurately and cover any blemishes on the existing surface.

Provide exact dimensions in inches.

Existing Grille Front/ Face Dimensions

Width (W) _____

Height (H) _____



Distance Between Screw Holes

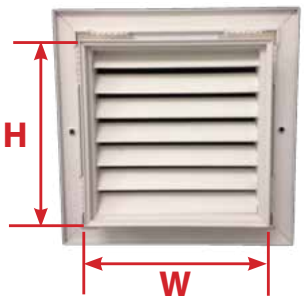
Width (W) _____

Existing Grille Neck Dimensions

Width (W) _____

Height (H) _____

Neck Depth (D) _____



Without damper

With damper

Existing Grille/Diffuser Application

Existing Ceiling-Mount Application ☐ Exhaust Grille ☐ Supply Diffuser → ☐ 1-Way ☐ 2-Way ☐ 3-Way ☐ 4-Way

Existing Wall-Mount Application ☐ Exhaust Grille ☐ Supply Grille → ☐ Single Deflection ☐ Double Deflection

Existing Wall Covering

Wall Covering ☐ Paint ☐ Wallpaper ☐ Tile

Does paint, wallpaper or tile extend behind grille flange? ☐ Yes ☐ No

These measurements ensure that there are no gaps between grille edges and wall covering.

Will the wall be refinished before new grilles are installed? ☐ Yes ☐ No

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FIRE DAMPERS & OTHER OBSTRUCTIONS

Fire dampers, smoke dampers, or other obstructions may be present in existing ventilation systems that use vertical duct shafts. Check the box to indicate which configuration is present, then provide the appropriate dimensions.

☐ **Existing fire dampers must remain in place.**

☐ **Existing fire dampers should be replaced.**

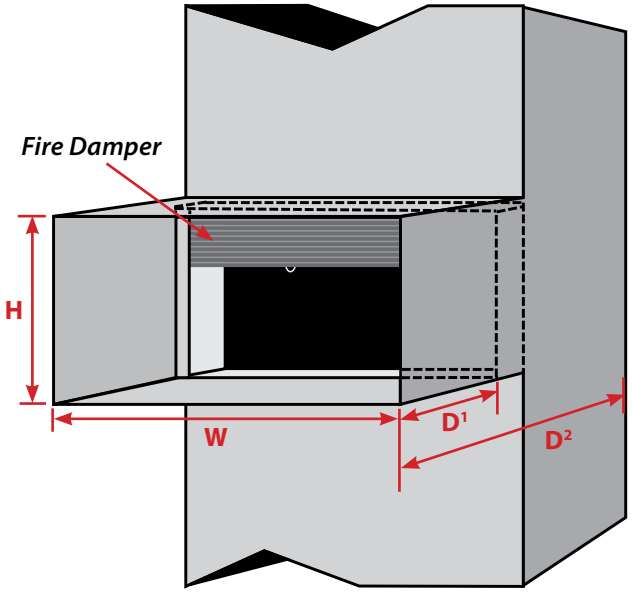
Fire Damper Dimensions

Width (W) _____

Height (H) _____

Depth to Fire Damper (D^1) _____

Depth to Shaft Wall (D^2) _____



Provide exact dimensions in inches.

ADDITIONAL INFORMATION

☐ **Check here if you are attaching additional drawings, dimensions or information.**

FOR ALDES NORTH AMERICA USE ONLY

RECOMMENDED PRODUCT _____

PART NUMBER _____

APPROVED BY _____ DATE _____

NOTES _____

If applicable, please complete Section II: Fans & Duct Systems.
Email your completed form to jim.jacobson@aldes.com
If you need assistance, please contact 941-351-3441.

SECTION II: FANS & DUCT SYSTEMS

EXHAUST SYSTEMS

Central Exhaust Systems **are comprised of a single fan serving multiple rooms. The fan can be located on the roof or in a mechanical room. It may serve one or multiple duct risers.** ***Individual Exhaust Fans*** **serve one room. They can be ducted into a central duct riser or directly to the outside.**

Indicate your exhaust method:

☐ ***Central Exhaust Fans***

Location

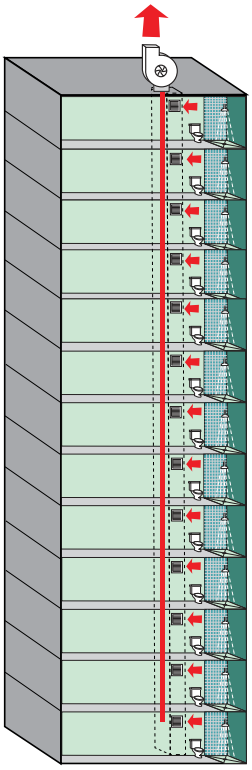
- ☐ Roof Mount
- ☐ Indoor (Mechanical Room)

Drive Type

- ☐ Belt Drive
- ☐ Direct Drive

General Type

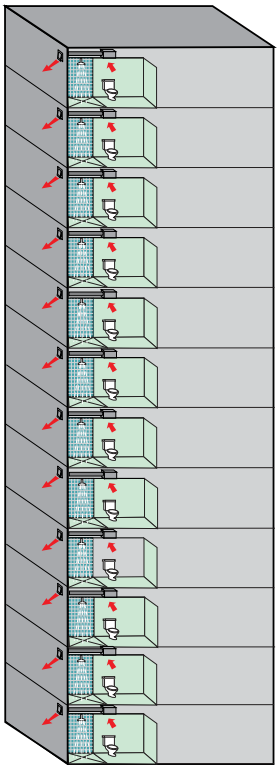
- ☐ Downblast (mushroom)
- ☐ Upblast
- ☐ Centrifugal Cabinet Type



Example at left:
Stale air leaves each bathroom through a grille that empties into a central duct riser. The central exhaust fan is on the roof of the building.

☐ ***Individual Exhaust Fans***

- ☐ Duct directly to outside
- ☐ Vented into a duct riser



Example at left:
Each bathroom has an individual exhaust fan.

MAKE-UP/SUPPLY AIR SYSTEMS

Central Make-Up Air Sytems **are comprised of a single fan serving multiple rooms or areas. The central air handling unit (AHU) typically includes heating and/or cooling cools to temper the outside air before introducing it to the building. It can be located on the roof or in a mechanical room. It may serve one or multiple duct risers. The air can then be introduced to corridors, or individually to each room either through a supply grille or directly to the room's fan coil unit (FCU). In the absence of a central AHU, *Individual Room Make-Up Air* is sometimes provided to each room through a PTAC unit or a FCU as a result of negative pressure while the central exhaust system operates.**

Indicate your make-up/supply air method:

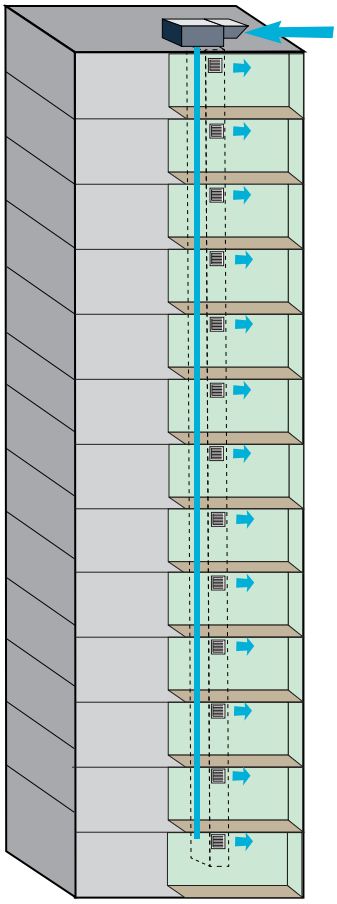
☐ ***Central Make-Up Air***

Distribution Method

- ☐ Supply air to common corridors (enters guest rooms through door undercuts)
- ☐ Supply air to each guestroom → ☐ Directly to the room / ☐ Attached to a FCU

AHU

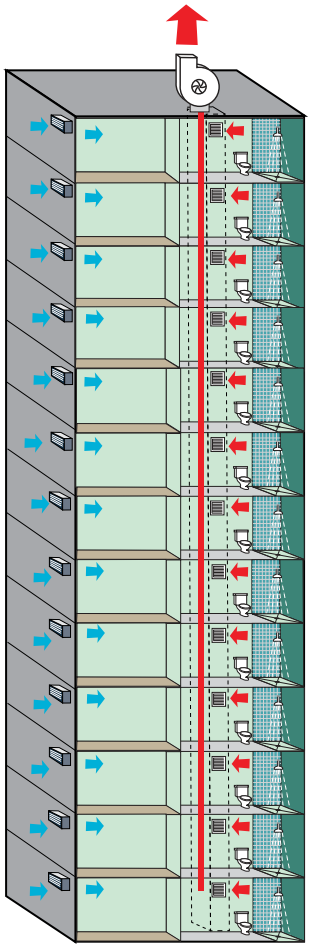
- ☐ Includes heat
- ☐ Includes cooling/ dehumidification
- ☐ Includes Energy Recovery



Example at right: Air from the room-mounted AHU is supplied directly to each room through dedicated supply grilles, or ducted to an FCU.

☐ ***Individual Make-Up Air***

- ☐ Outside air is through existing PTAC unit
- ☐ Outside air is through FCU



Example above: Air is provided to each room through a PTAC due to the building being negatively pressurized from the central exhaust system operating.

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DUCT/RISER CONSTRUCTION

Construction Type ☐ Drywall ☐ Masonry ☐ Sheetmetal

MISCELLANEOUS

Is a Test & Balance report available? If yes, please include a copy with this form. ☐ Yes ☐ No

Fan Schedule/Specs (Complete the table below. Attach additional sheets if necessary.)

Location	Brand Name	Model Number	Serial Number	CFM	Voltage	Phase

Email your completed form to jim.jacobson@aldes.com
If you need assistance, please contact 941-351-3441.

A Ventilation Energy/Cost Estimator is available to estimate your annual total savings. Please contact jim.jacobson@aldes.com for more information.

HOW TO MEASURE

Please measure existing openings accurately.

Please take your own pictures and place them in this document.

Use the following pictures **ONLY** as a guide.

Wall Openings

Ceiling Openings

Email your completed form to jim.jacobson@aldes.com
If you need assistance, please contact 941-351-3441.