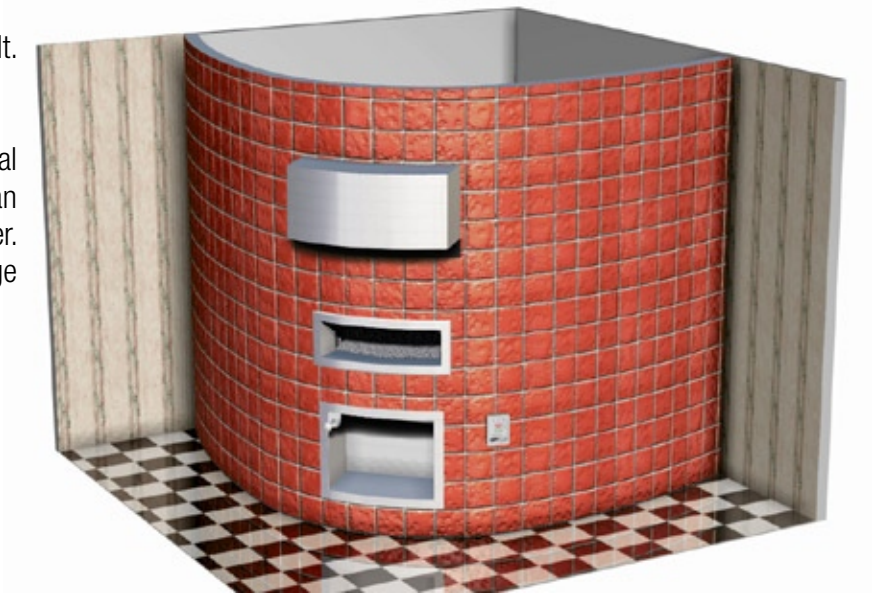
FINISHING YOUR OVEN: A FACADE TUTORIAL

VARIATION: MT. SERIES CURVED, LARGE RADIUS WALL WITH FACADE EXTENSIONS & HOOD



These illustrations refer to a facade on a Mt. Adams 5' gas/gas (RFG-IR) oven.

Keep in mind as you read through this tutorial that we make Facade Extensions that can make much of this installation process easier. Be sure to view our **Facade Extension** page for details.

STEP 1. THE BASE OVEN

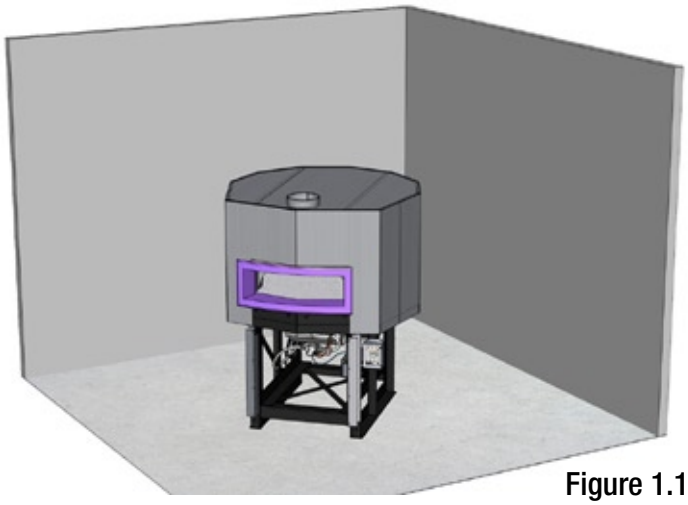


Figure 1.1

Figure 1.1 Represents a standard **WS-MS-5-RFG-IR** oven. Which shipped with an optional **Curved , Large Radius Doorway Facade Extension** mounted at the factory. Specs for additional sizes are available in our online **Product Catalog** and CAD Symbols in our CAD Library.

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Figure 1.2 In figure 1.2 the Storage Box Facade Extension is mounted.

It will have been pre-aligned with the Doorway Extension at the factory and then removed for shipping ease.

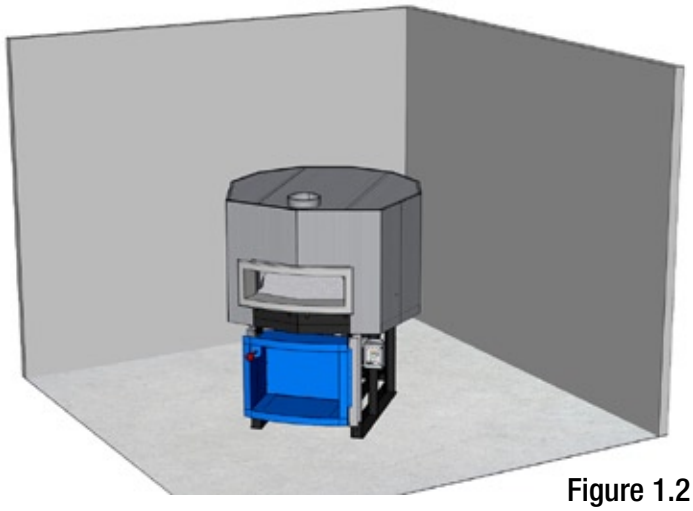

Figure 1.2

Figure 1.3 Our Mountain Series ovens can be either direct vented or vented with a Hood.

Please see our **Venting** page for more details on which is appropriate for you installation.

In this example we assume a hood is required. Mount the hood to the oven as seen in **Figure 1.3** using the mounting flanges (see **Mounting Detail** on **page** 6).

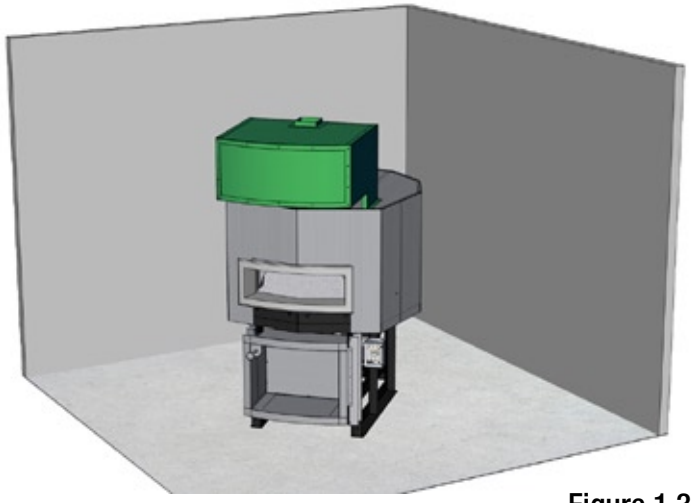

Figure 1.3

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STEP 2. STUD WALL

Here the stud wall is built (in green). Metal studs are recommended. Consideration must be given to the wall framing position to insure the minimum one-inch offset from the back of the wall surface (sheetrock) to the oven sheet metal (see **Offset Detail** on **page 6**). It is also recommended hat you fabricate a **Trim Piece** to connect the wall to the top of the oven, thus keeping grease from dripping down from the hood to in-between the oven and facade wall (see **Trim Detail** on **page 7**).

It is critical that when the hood is mounted and the wall is built there is a minimum of 8" of over-hang by the hood in front of the facade for access to the filters. Without this access the hood will be unreachable and thus cannot be cleaned. This can create a very dangerous situation. Adequate clearance is a must (see **Filter Removal Detail** on **page 7**).

In addition, the studs on either side of the door-way must be far enough apart so that when sheet rock and tile are installed, the Storage Box Facade Extension can still be removed for oven service. For more information see **Panel Detail** on **page 8**.

Note: The control box comes mounted to the leg of the oven when a **Storage Box Facade Extension** is ordered but can be remounted in a different position.

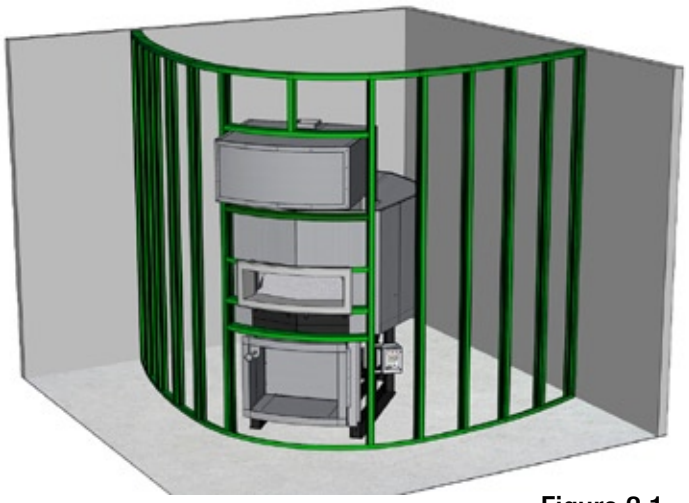

Figure 2.1

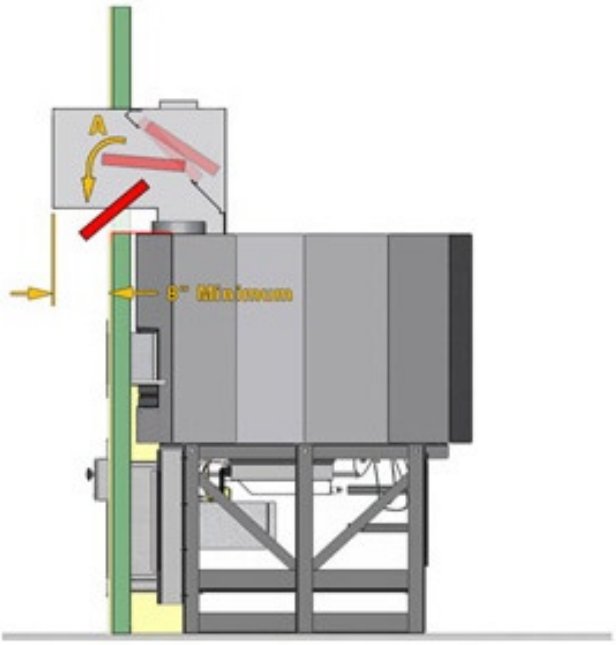

Figure 2.2

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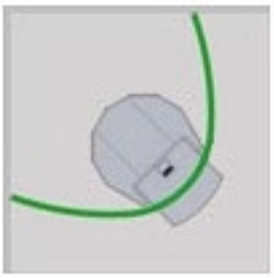
ALTERNATE VIEWS OF STEP 2:

Front Elevation

Side Elevation



Plan Elevation

STEP 3. NON-COMBUSTIBLES

Seen here in yellow is the non-combustible wallboard. This is required above the oven doorway and 6” on either side of the doorway.

Non-combustible material is also required anywhere the facade touches the oven or the mantle. In this illustration, the non-combustible wallboard is used as flashing from the studs to either side of the service panel and contacts the edge of the mantle.

Usually a cement board is used for this application. Brand names of appropriate underlayment include **Wonderboard** and **DUROCK**. (Drywall is considered a combustible and should not be used).

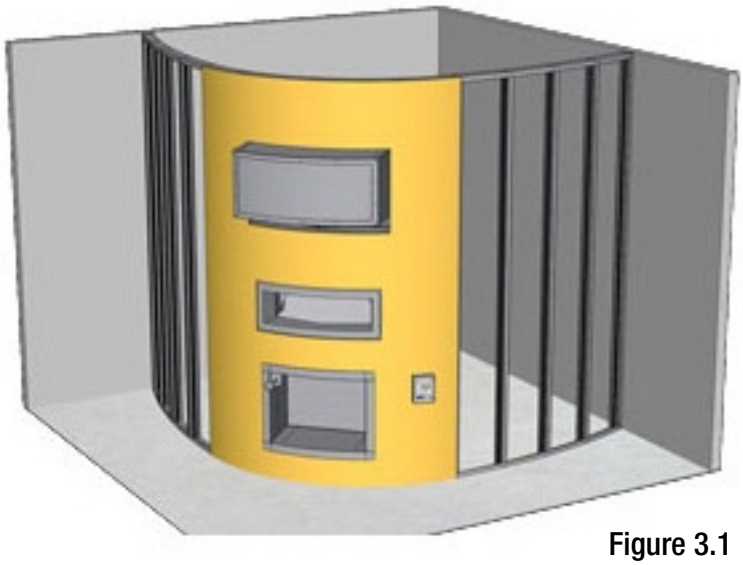


Figure 3.1

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STEP 4. ADDING DRYWALL

Shown in lighter yellow is the drywall applied to the stud wall. This portion does not need to be non-combustible.

For the sake of simplicity of construction, many installers choose to make the entire wall out of the non-combustible cement board mentioned about as to avoid cutting many oddly shaped segments.

Note: The **Airflow Detail** on **page 8**. Sufficient combustion air for the oven's burners must come from the front of the house.

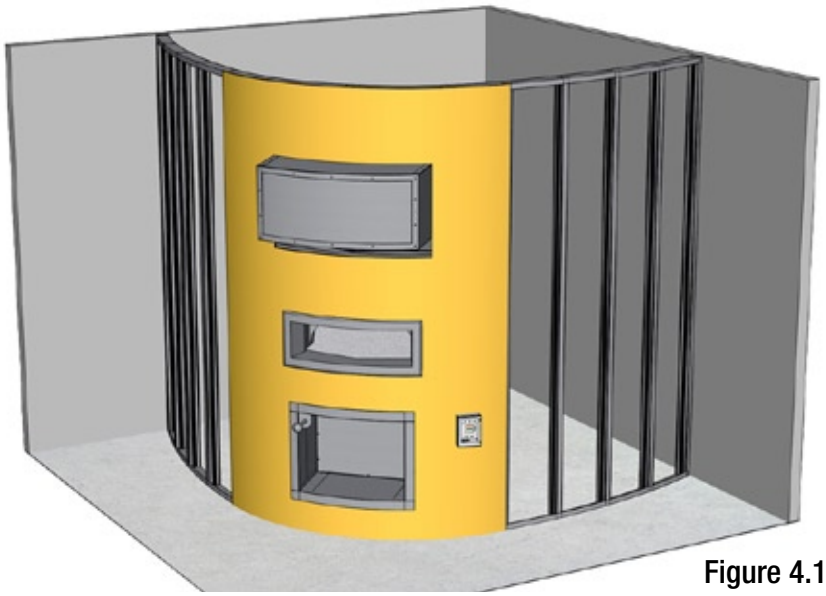

Figure 4.1

STEP 5. FINISHING

Drywall can be finished with any decorative material that can be easily affixed to the wall surface such as tile, stucco, sheet metal, brick, etc.

Note: It is necessary for the proper operation of our ovens that the Radiant Flame Control Knob be fully accessible after all finishing is completed. Please see the **Radiant Knob Detail** on **page 9**. This knob controls temperature in our gas ovens, if you cannot adjust the knob, you cannot adjust the temperature.

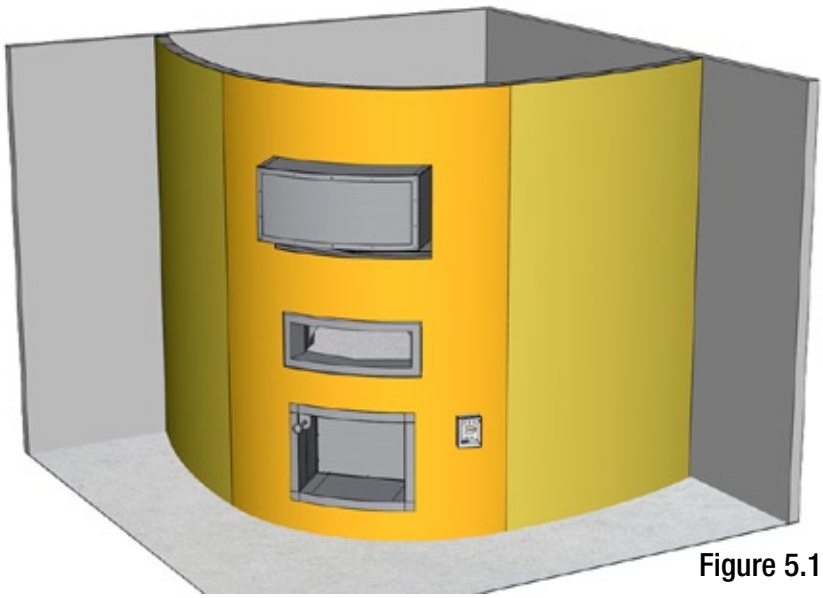

Figure 5.1

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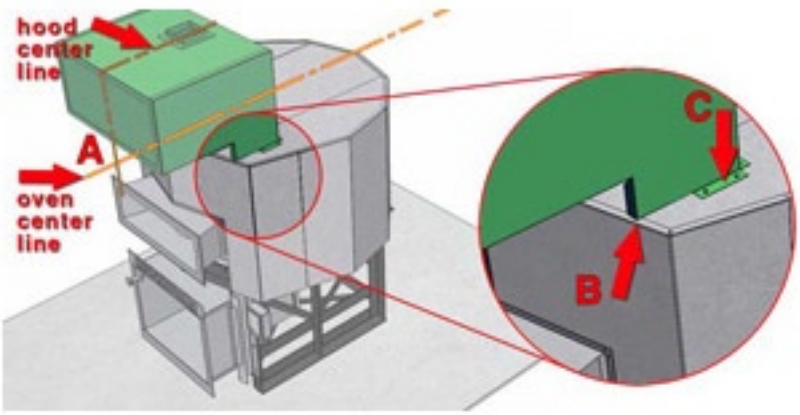
STANDARD FLAT WALL WITH FACADE EXTENSIONS SPECIAL DETAILS

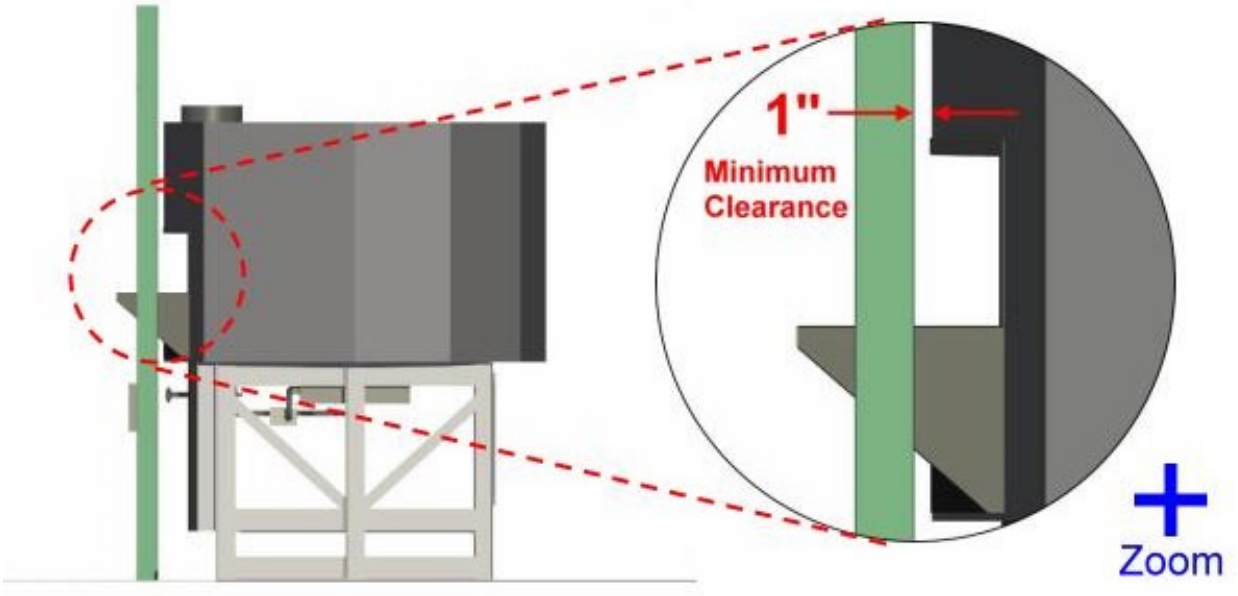
MOUNTING DETAIL

To mount Wood Stone hood, approximate the center line of the hood and place on the oven in line with the center line of the oven. **(A)**. Mount hood as far forward on the oven as possible, this is achieved by moving the hood so that the front edge of the lower notch is even with the front of the oven **(B)**. Attach the hood to the oven top by fastening the flange with self-tapping screws **(C)**. Connect ductwork.



OFFSET DETAIL

Note: The studs maintain 1" clearance from the oven. If these are metal studs they may touch the oven, however, **THEN** the 1" clearance to combustible construction must be maintained from the surface of the finished wall (in other words, no stacking napkins or wood next to the oven facade). If there is an airspace between the metal stud, and a minimum of 1" to the wallboard, you will be able to stack combustibles next to the facade.



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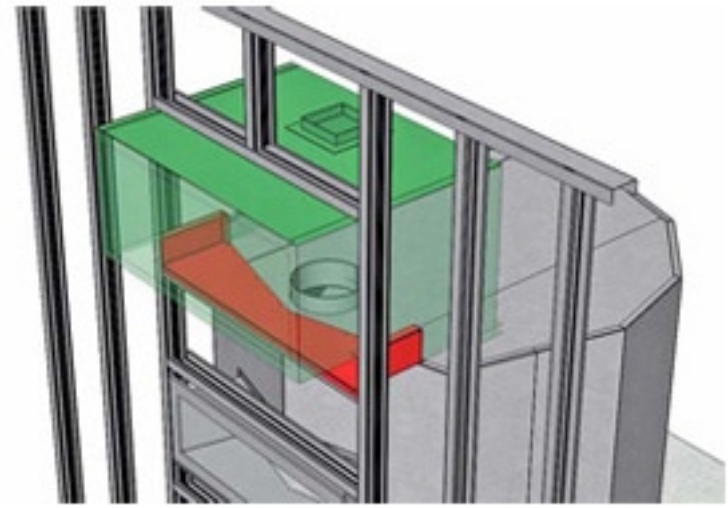
STANDARD FLAT WALL WITH FACADE EXTENSIONS SPECIAL DETAILS (CONTINUED)

TRIM DETAIL

To prevent dripping of grease from the hood into the space between the oven and facade wall, we recommend that you create a custom sheet metal Trim piece as seen in the image at right.

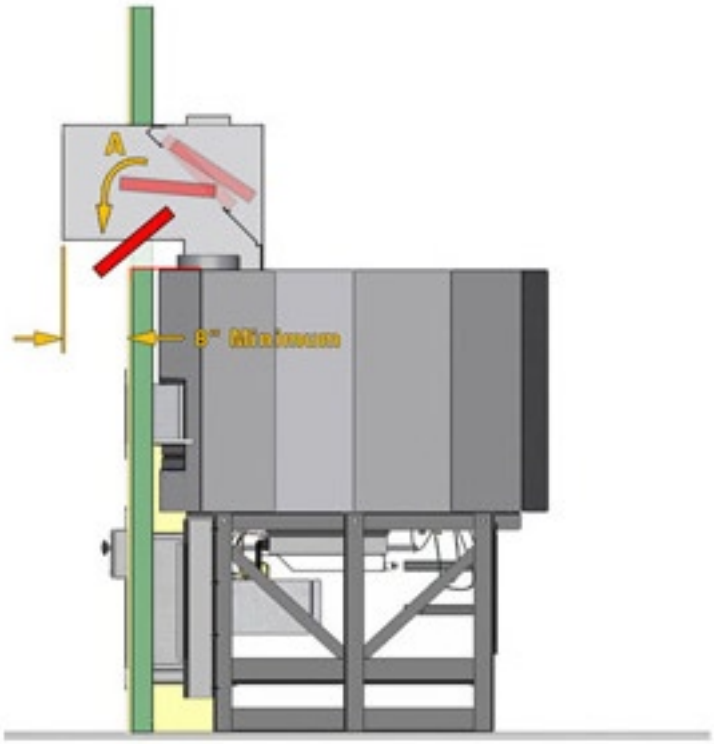
This trim piece should close any gaps between the oven and the wall.



FILTER REMOVAL DETAIL

Proper cleaning of the hood filters is an absolute must. In order to clean properly, adequate clearance for removal of the filters must be maintained.

We recommend a minimum 8” clearance inside the front of the hood and any facade. This will facilitate simple removal and cleaning of the filters.



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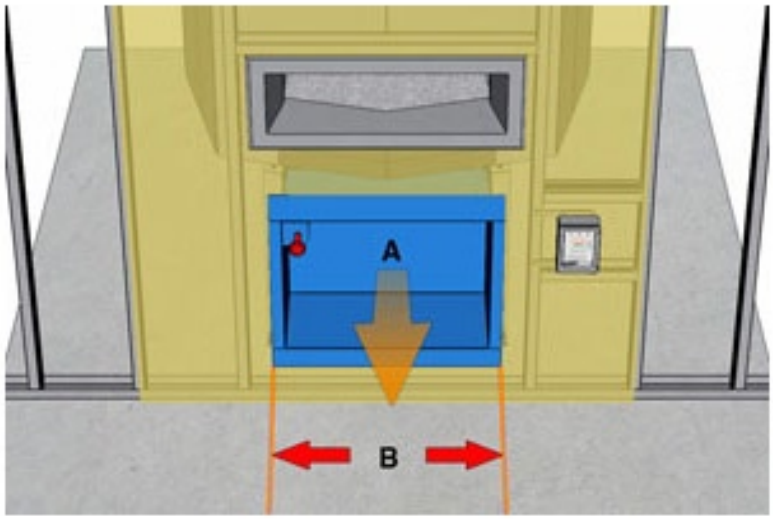
STANDARD FLAT WALL WITH FACADE EXTENSIONS SPECIAL DETAILS (CONTINUED)

PANEL DETAIL

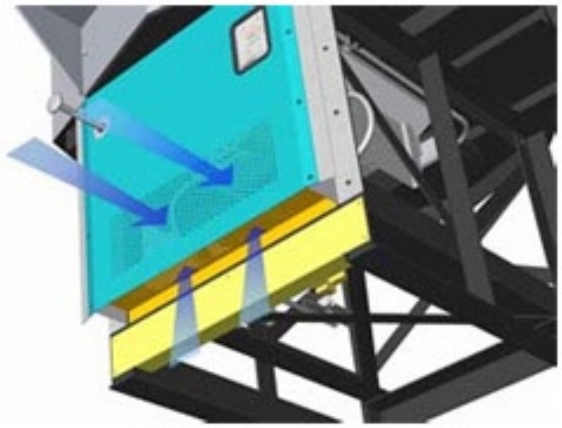
When the facade is complete, the Storage Box Facade Extension must remain removable. **'A'** represents the unobstructed path of the panel for removal. **'B'** represents the width necessary to keep that path clear.



A facade will make for a functional installation as long as the following conditions are met:
1. Service can be performed from the **FRONT** of the oven by removing the **Storage Box Facade Extension.**
2. There is sufficient airflow from the fron of the the house.
3. The Radiant Control Knob is accessible (see **Radiant Knob Detail** on **page 9**).

AIRFLOW DETAIL

Air flows to the under part of the oven through perforated sections in the upper sections of the sides of the storage box extensions.



This area must be free of obstructions to allow proper airflow. The burners in the gas oven will not operate without sufficient combustion air. To avoid common installation mistakes that affect airflow, please read through the **Do's and Don'ts of Oven Venting** (found on the website)**.**

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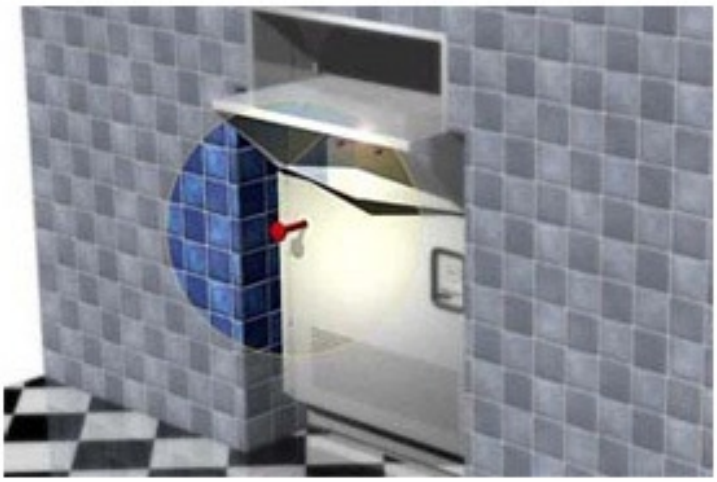
STANDARD FLAT WALL WITH FACADE EXTENSIONS SPECIAL DETAILS (CONTINUED)

RADIANT KNOB DETAIL

Note: The site-built doorway extension is welded snug to the doorway lip and does not block airflow out of the oven. The flange around it also allows room for the wallboard, tile and stud construction (**'A'**). Everything that touches the oven (and the mantle) must be non-combustible. Everything over the doorway must be non-combustible.



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