

# INITIAL INSTALLATION

## QUALIFIED INSTALLERS ONLY

### COOL SURFACE FRAMING

This appliance is manufactured with a built-in heat distribution kit, referred to as the Cool Surface System (CSS). The purpose of the CSS is to dramatically reduce the front wall temperatures above your appliance. This is very useful when delicate objects such as a TV or artwork are mounted above the unit. Using this feature will also allow you to use combustible facing materials right up to the finishing edge. It is extremely important these instructions are followed meticulously. If not installed correctly this could be very dangerous and could lead to building fire. If the CSS is activated it is crucial that the chase is vented in accordance to this manual.

When the CSS is activated, it is not longer required to install a non-combustible board above the stove. The CSS also reduces the minimum height of when installing mantels (see section "Mantel Requirements" on page 28). For CSS activation instructions, refer to section "Cool Surface Activation" on page 24.

Construct the framing in a way that provides a minimum 57 inch (1448mm) by 3 inch (76mm) gap at the top of the facing wall. This gap can be a maximum of 3.5 inch (89mm) from the top of the chase and can go all the way to the top of the chase if desired. It is essential that these dimensions are respected and not to deviate away from them when using combustible materials inside the chase (see Figure 36).

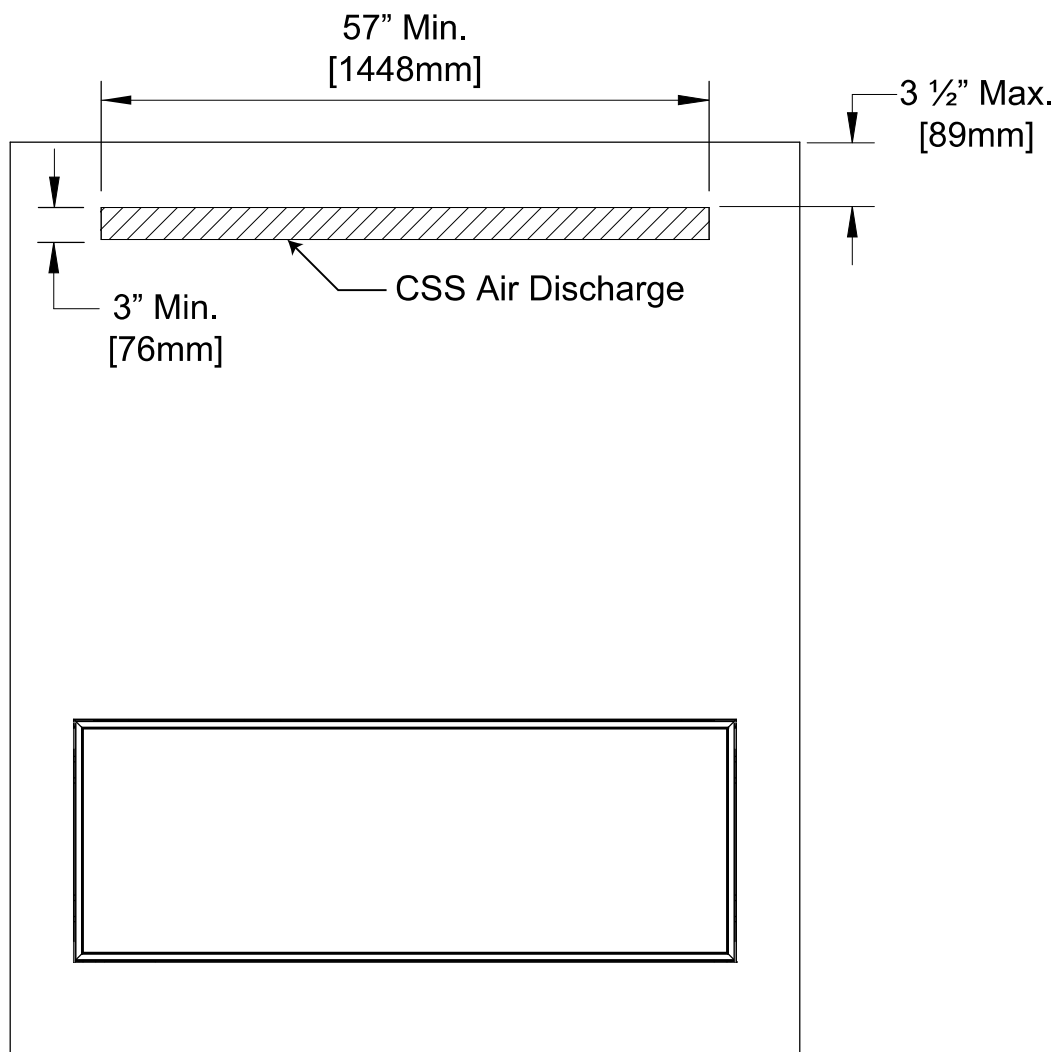


Figure 37: CSS Front Discharge

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The framing can also be constructed in a way that provides two side vents as shown in Figure 37. The size of the side vents must provide a minimum area equal to the area provided by the front CSS discharge in Figure 36 (i.e. 3in x 57in = 171 in<sup>2</sup>).

**For example:** If you want a side vent with a height of 3.5", the minimum width of each side vent would be:

$$2 \times (\text{Height} \times \text{Width}) = 171 \text{ in}^2$$

$$2 \times (3.5\text{in} \times \text{Width}) = 171 \text{ in}^2$$

$$\text{Width} = 24.429 \text{ in} \approx 24.5 \text{ in}$$

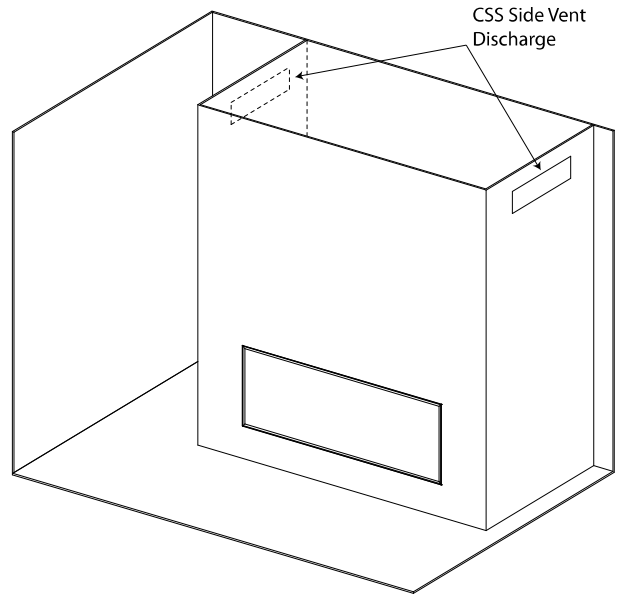


Figure 38: CSS Side Discharge

## ALTERNATE GAS INLET LOCATION

The gas inlet location can be moved to the bottom of the cabinet if needed. This may be needed for certain installations. First, remove the two screws on the left side of the unit (see Figure 39). The gas inlet assembly will now be loose in the cabinet. Disconnect the gas line coming from the gas valve, the straight fitting the gas line was connected too will be replaced by an elbow supplied in the manual bag. Thread the elbow into the shut off valve, use gas sealant on threads. Mount the assembly to bottom of the firebox as shown, screws come installed in firebox. Reconnect the gas line to elbow.

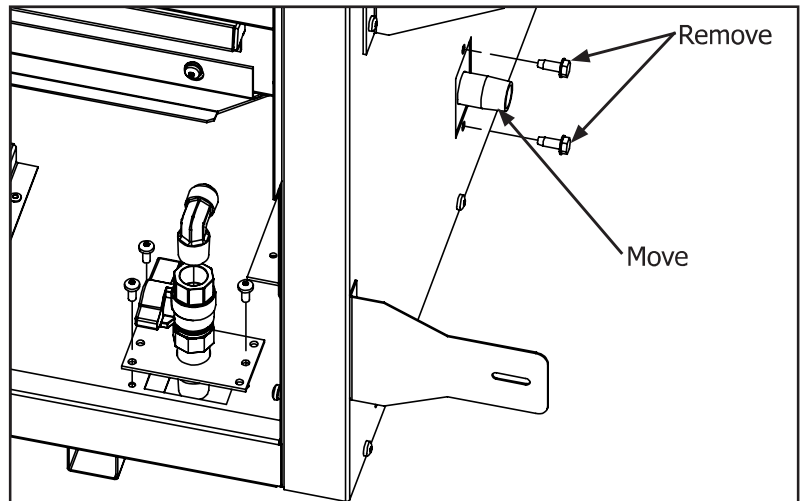


Figure 39: Alternate Gas Inlet Location

## FLOOR PROTECTION

The C60I-T may be installed on a combustible floor. **If the appliance is to be installed directly on carpeting, tile, or any other combustible material other than wood, the appliance must be installed on a metal or wood panel extending the full width and depth of the appliance.**

If masonry is to be used, prepare the necessary foundation for the masonry load. When masonry construction is being used, a lintel must be used over top of fireplace to support the added weight.

Consider the height of hearth finish material (stone, brick, etc.) when building a fireplace platform. The bottom of the fireplace must be level with finished hearth.

Build the hearth to desired size and height. If a hearth extension is desired, combustible material may be used.

**Above floor level installations: A solid, continuous platform must be constructed below the appliance. MINIMUM PLATFORM SIZE: 71 in. (1803 mm) wide x 19.5 in. (495 mm) deep.**