

## INSTALLATION CONSIDERATIONS

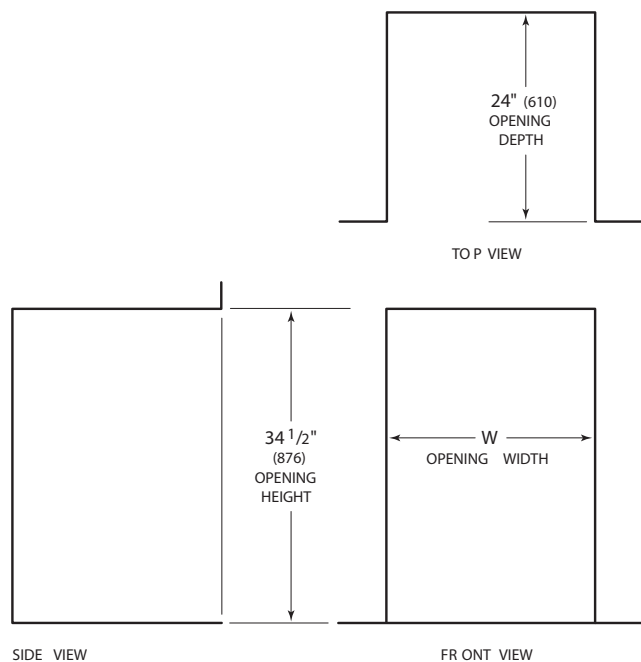
This section covers some of the more common installation issues seen by a Service Technician. An improper installation, though not a valid service issue, has the potential to lead to a call for service. Installation related complaints could include, but are not limited to: Unit leveling, unit movement, door misalignment, door not sealing, internal frost or condensation, exterior condensation, warm compartment temperatures, etc.

**NOTE:** If additional installation information is needed, refer to the complete Installation Manual, or contact the Sub-Zero Service Department.

### Site Preparation

#### Opening Dimensions

##### UNDERCOUNTER MODELS



OPENING WIDTH	W
UC-24R	24" (610)
UC-24BG	24" (610)
UC-24C(I)	24" (610)
UC-24RO	24" (610)

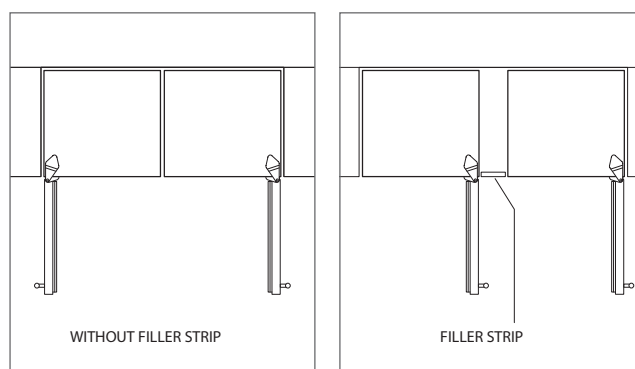
DUAL OPENING WIDTH	W
Two 24" (610) Models	48 1/8" (1222)

Dual installation kit required.

##### DUAL INSTALLATION

If two units are installed side by side, a dual installation kit may be required. Installations without a custom filler strip require a dual installation kit. If a dual installation kit is not specified, a 2" (51) filler strip is recommended between units. Dual installations without a filler strip can only be accomplished using two units with opposite hinges. Refer to the illustrations below.

Dual installation kits are available through an authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, [subzero.com](http://subzero.com). For questions regarding the installation, call Sub-Zero customer care at 800-222-7820.



Opposite hinges.

Same side hinges.

## Site Preparation

### Electrical

Installation must comply with all applicable electrical codes.

The electrical supply should be located within the shaded area shown in the illustration below. A separate circuit, servicing only this appliance is required.

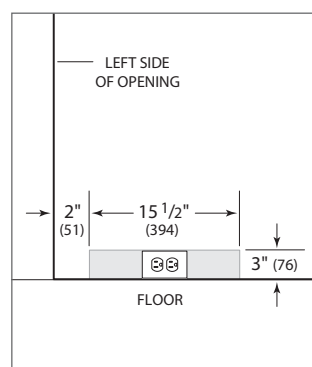
**IMPORTANT NOTE:** The electrical outlet must be placed so the grounding prong is to the right of the thinner blades. The outlet must be flush with the back wall.

Model UC-24RO is designed and safe for use in outdoor applications. When installed outdoors, a ground fault circuit interrupter (GFCI) is required to reduce the risk of electrical shock. A GFCI is not recommended for use with other undercounter models and may cause interruption of operation.

ELECTRICAL REQUIREMENTS	
Electrical Supply	115 VAC, 60 Hz
Service	15 amp
Receptacle	3-prong grounding-type

#### WARNING

Do not use an extension cord, two-prong adapter or remove the power cord ground prong.



Electrical supply location.

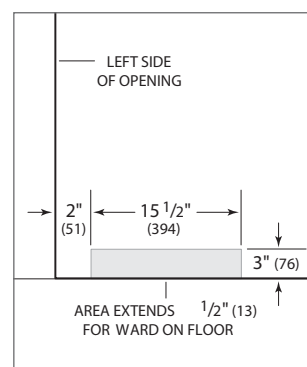
### Plumbing

Installation must comply with all applicable plumbing codes.

For model UC-24CI, the water supply should be located within the shaded area shown in the illustration below. The water supply line should be connected to the house supply with an easily accessible shut-off valve. Do not use self-piercing valves.

A reverse osmosis system can be used provided there is constant water pressure of 20–100 psi (1.4–6.9 bar) supplied to the unit at all times. A copper line is not recommended for this application.

PLUMBING REQUIREMENTS	
Water Supply	1/4" OD copper, braided stainless steel or PEX tubing
Pressure	20–100 psi (1.4–6.9 bar)
Excess Line for Connection	36" (914)



Water supply location.

## Site Preparation

### Preparation

To operate properly, the door must open a minimum of 90°. Use a minimum 3" (76) filler in corner installations to assure a 90° door opening.

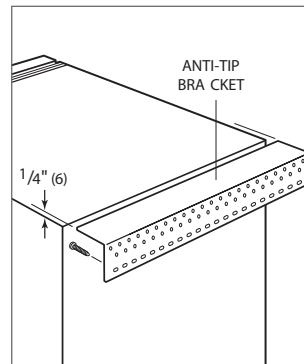
Uncrate the unit and inspect for damage. Remove and recycle packing materials. Do not discard the kickplate, antitip bracket, hardware and the leveling legs which hold the wood base to the bottom of the unit.

### Anti-Tip Bracket

#### ▲ WARNING

To prevent the unit from tipping forward, the anti-tip bracket must be installed.

The anti-tip bracket should be attached to the wall behind the unit with the bracket flange located 1/4" (6) above the top of the unit. Refer to the illustration below. Failure to properly position the anti-tip bracket will prevent proper engagement.



Anti-tip bracket.

## Installation

### Installation

#### ⚠ CAUTION

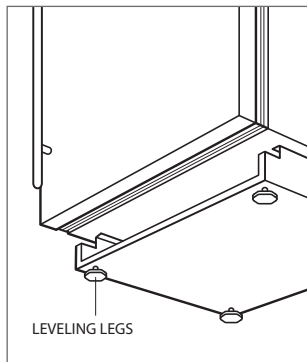
Before moving the unit into position, secure the door closed and protect any finished flooring.

Use an appliance dolly to move the unit near the opening.

If the unit has been on its back or side, it must stand upright for a minimum of 24 hours before connecting power.

#### LEVELING

Level the unit before sliding it into position. Turn each of the four leveling legs clockwise to raise the unit and counter-clockwise to lower. Refer to the illustration below.



Leveling.

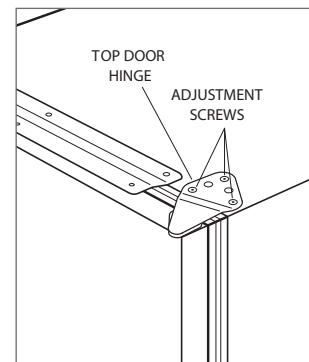
#### DOOR ADJUSTMENT

The top and bottom cabinet hinges are held in place with three permanent adjustment screws. For adjustments, loosen the screws, adjust the door and tighten screws. Refer to the illustrations below.

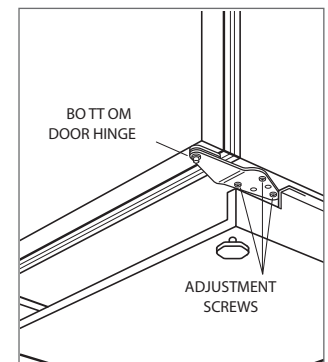
#### PLACEMENT

Plug the power cord into the grounded outlet and slide the unit into position.

It may be necessary to install the unit 1/4" (6) beyond the front surface of adjacent cabinetry to prevent interference when the door is opened to 145°. Refer to the full-scale template on page 2-9.



Top door hinge.



Bottom door hinge.

## Installation

### Installation

#### WATER LINE (MODEL UC-24CI)

Purge the water line prior to final connection to the unit. This will remove any debris that may be present in the tubing from installing the new water line.

For model UC-24CI, connect the plastic tubing from the unit to the house water supply line with the fitting connection kit provided. Check all water line fittings for leaks.

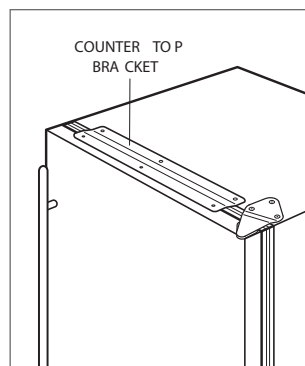
**IMPORTANT NOTE:** Water lines can not be exposed to freezing temperatures.

#### ANCHORING

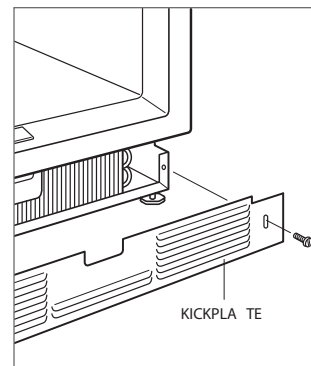
To anchor, use the optional countertop bracket provided, to secure the unit to the underside of the countertop. Refer to the illustration below. If the countertop bracket can not be utilized, install shims along the top and sides of the unit.

#### KICKPLATE

Install the kickplate using the two screws provided. Refer to the illustration below. The kickplate must be removable for service. The floor cannot interfere with removal. Do not cover the louvered section of the kickplate.



Anchoring.



Kickplate installation.

## Panel Installation

### Custom Door Panel

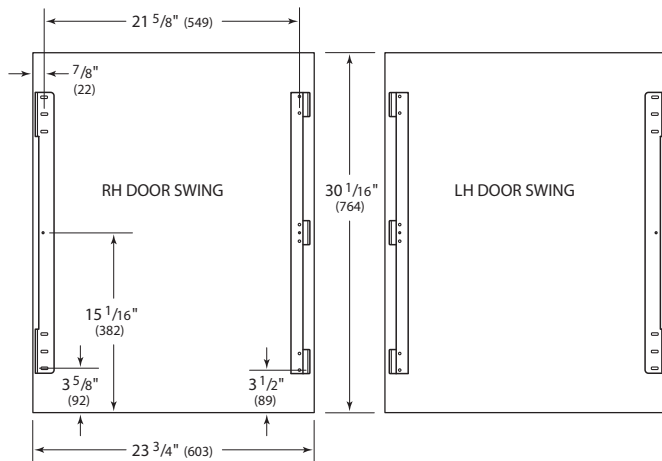
For overlay applications, a custom door panel must be installed. Panel size is critical for a proper fit. To verify panel requirements and dimensions, refer to the Sub-Zero design guide at [subzero.com/specs](http://subzero.com/specs).

Finish all sides of custom panels. They may be visible when the door is open or through the window of glass door models.

#### MODELS UC-24R AND UC-24C(I)

Remove the two panel mounting brackets attached to the front of the door. Place the custom overlay door panel face down on a protected work surface. Position the plastic template provided, flush with the lower edge of the panel. Verify proper location for right-hand (RH) or left-hand (LH) door swing. Mark the holes, remove template and drill pilot holes for the brackets. Secure mounting brackets with screws provided.

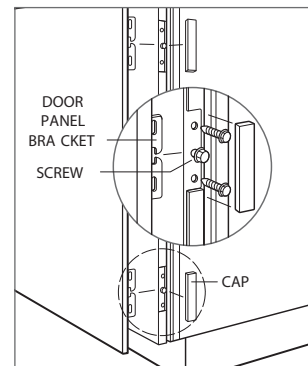
If the template is not available, position mounting brackets as indicated in the illustration below.



Panel mounting brackets.

To install the custom door panel, partially insert a screw in the center of each mounting position on the hinge side of the door. Engage the tabbed bracket to the handle side of the door, then slide the hinge side mounting bracket onto positioning screws. Slotted holes on the mounting bracket should slide under screw heads to support the panel. Refer to the illustration below. Panel can be adjusted 1/4" (6) up and down and side to side.

Once the custom panel is in place and properly adjusted, attach remaining screws to the hinge side mounting bracket, and install magnetic decorative caps as shown in the illustration below.



Panel installation.

## Panel Installation

### Custom Door Panel

MODEL UC-24BG

The custom overlay door panel is attached using screws provided through the door frame. Screw locations are marked on the back of the custom panel using tenon centers inserted into holes of the door frame.

With the unit secured and door closed, hold the custom panel in desired position on the door. Lightly tap the front of the panel to locate mounting positions. Remove tenon centers. Refer to the illustration below.

The door frame has mounting holes to accommodate Sub-Zero accessory handles. If handle mounting holes are not utilized, the handle should be attached to the custom panel prior to mounting. Screw heads may need to be countersunk into the panel for proper alignment.

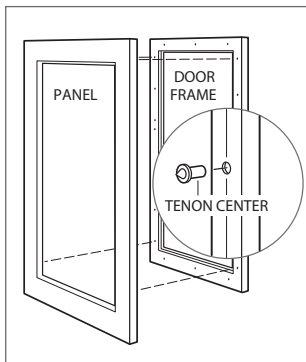
To mount the custom panel, open the door and use predrilled holes to position the panel. Drive screws into the panel through black tape on the door frame. Screw holes are hidden behind the door gasket. Use as many screws as necessary to secure the custom panel. Refer to the illustration below.

Adjustments can be made to the custom panel with a few mounting screws in place, but not fully tightened. Once the proper position is achieved, install and secure all screws.

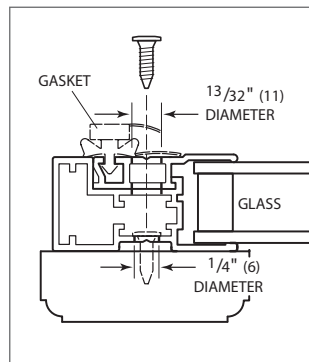
Cover holes on the inside of the door frame with the cover patches or plugs provided.

#### WARNING

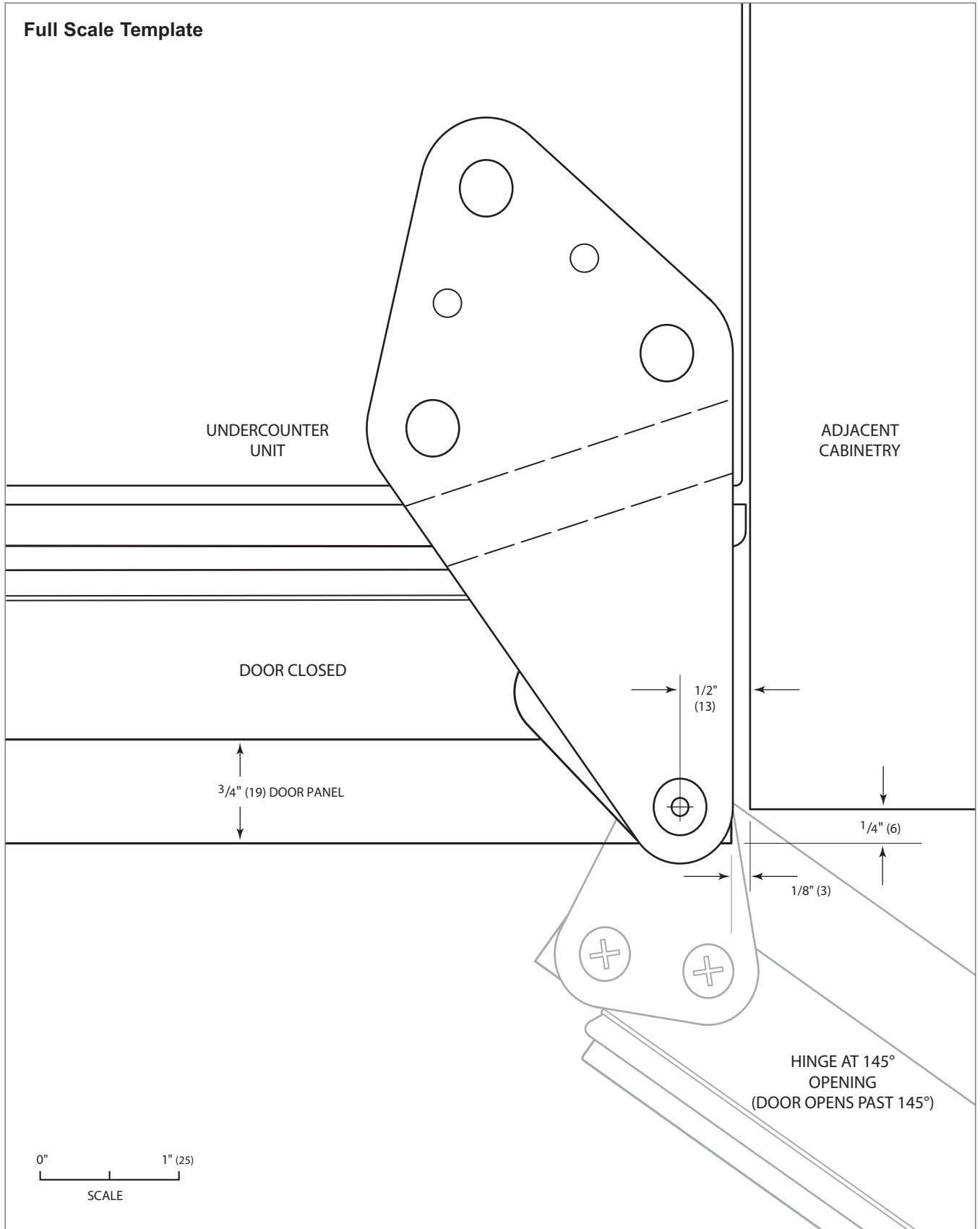
Follow all city and state laws when storing, recycling or discarding unused refrigerators and freezers.



Tenon center.



Door frame cross section.



145° door opening (top view).