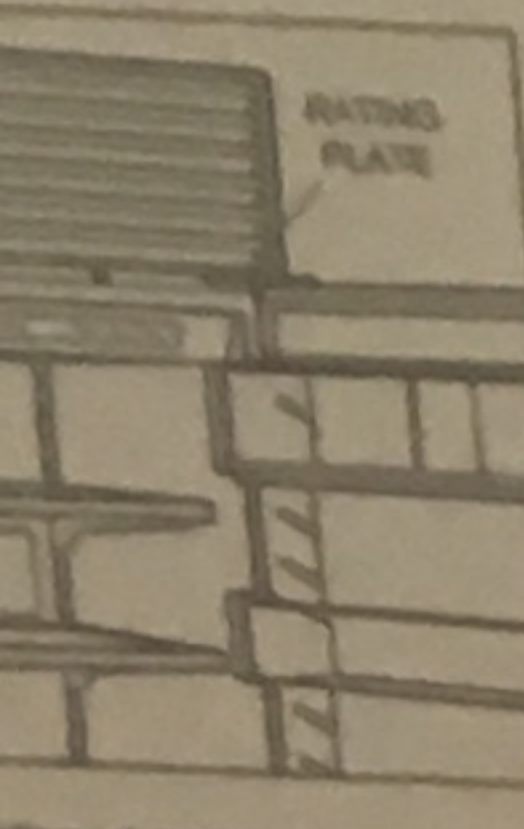


Built-In Refrigeration Installation

INFORMATION

Product information including the model and number of the unit are listed on the product rating and rating plate is located at the top frame of the unit, or door. Refer to the illustration below.

If necessary, contact Sub-Zero factory certified service technician and have the model and serial number of the unit, name of the nearest Sub-Zero factory certified technician or for questions regarding the installation, visit the support section of our website, subzero.com or call our customer care at 800-222-7800.



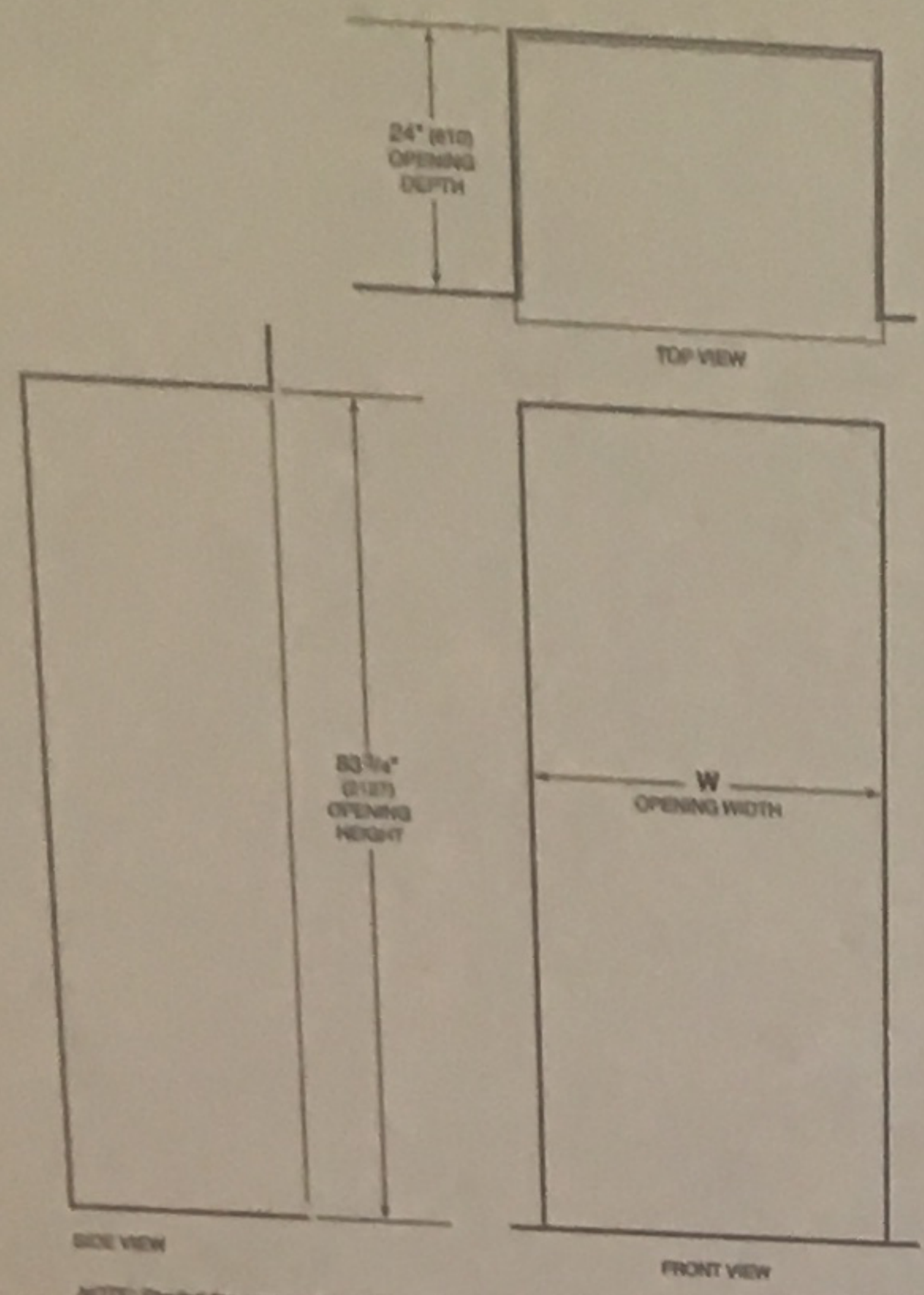
Tools and Materials

- Screwdrivers—standard and Phillips.
- Power drill.
- Drill bits (masonry bits required for concrete installation).
- Trim drives—T-10, 15 and 20.
- Standard Allen wrench set.
- Standard socket and wrench set.
- 2" and 4" levels.
- Tubing cutter.
- 3" of 1/4" OD copper, braided stainless steel or PEX tubing.
- Saddle valve.
- Material to protect home, flooring and cabinetry during installation.

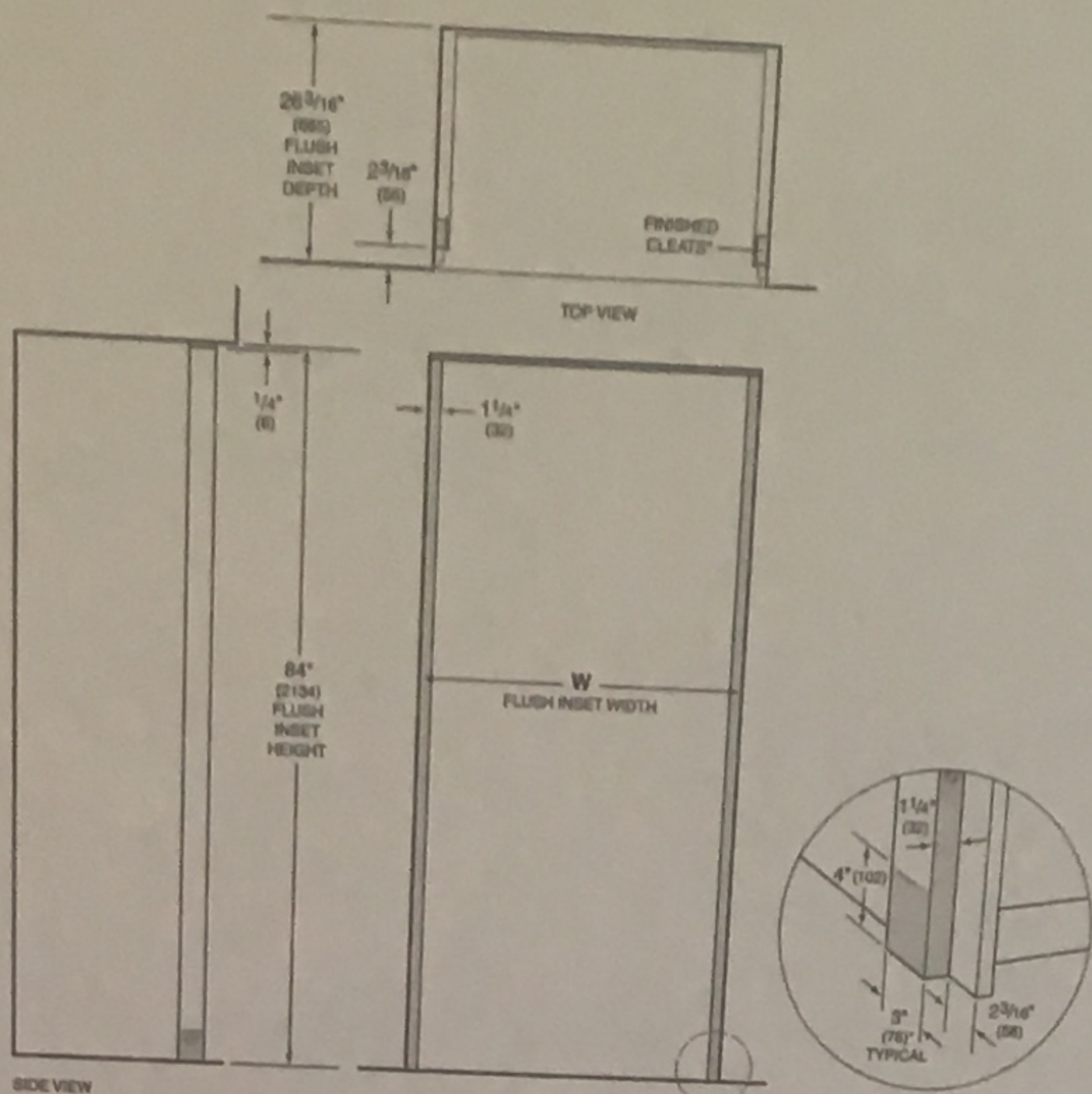
IMPORTANT NOTE: Throughout this guide, dimensions in parentheses are millimeters unless otherwise specified.

Opening Dimensions

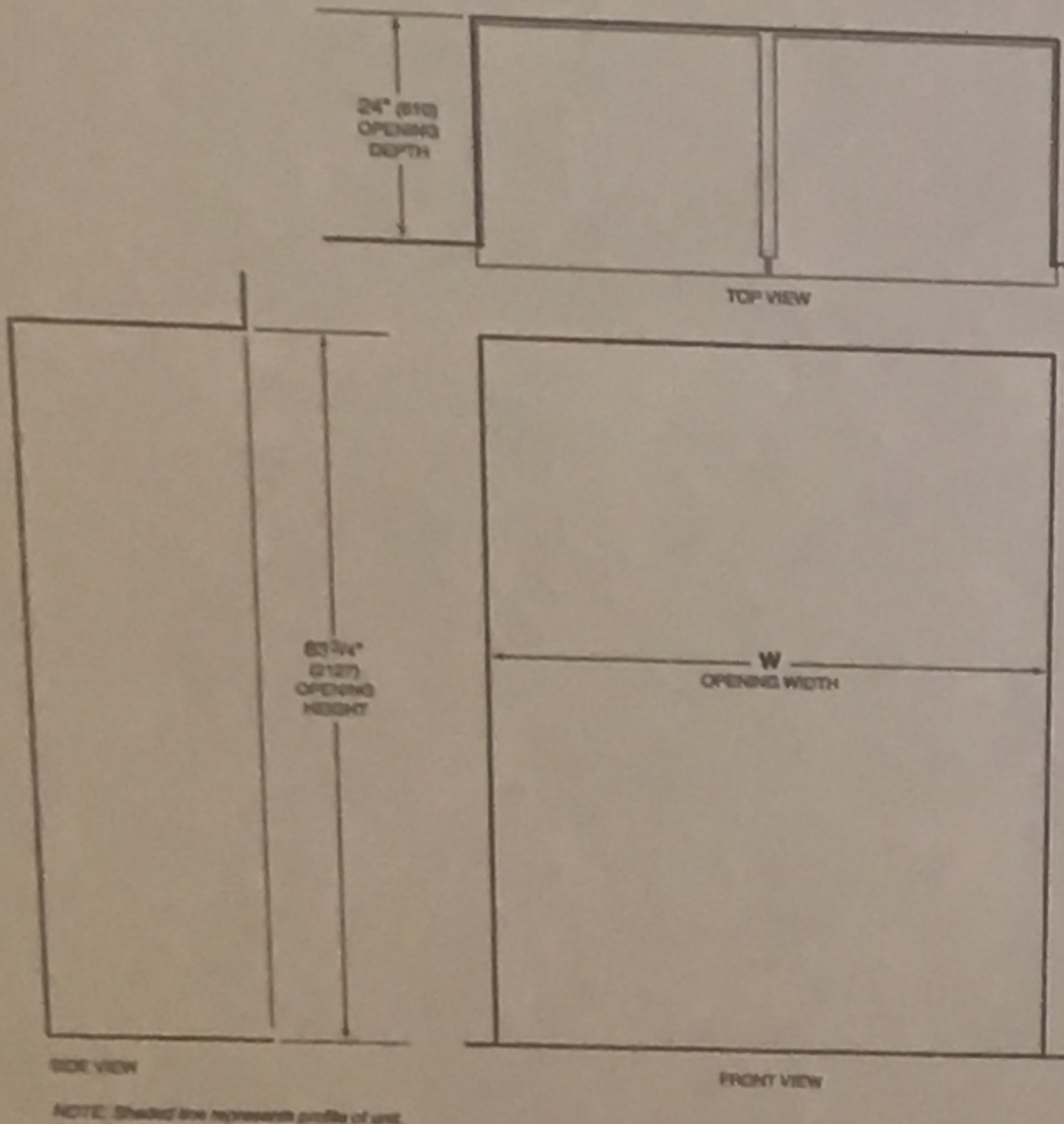
STANDARD INSTALLATION



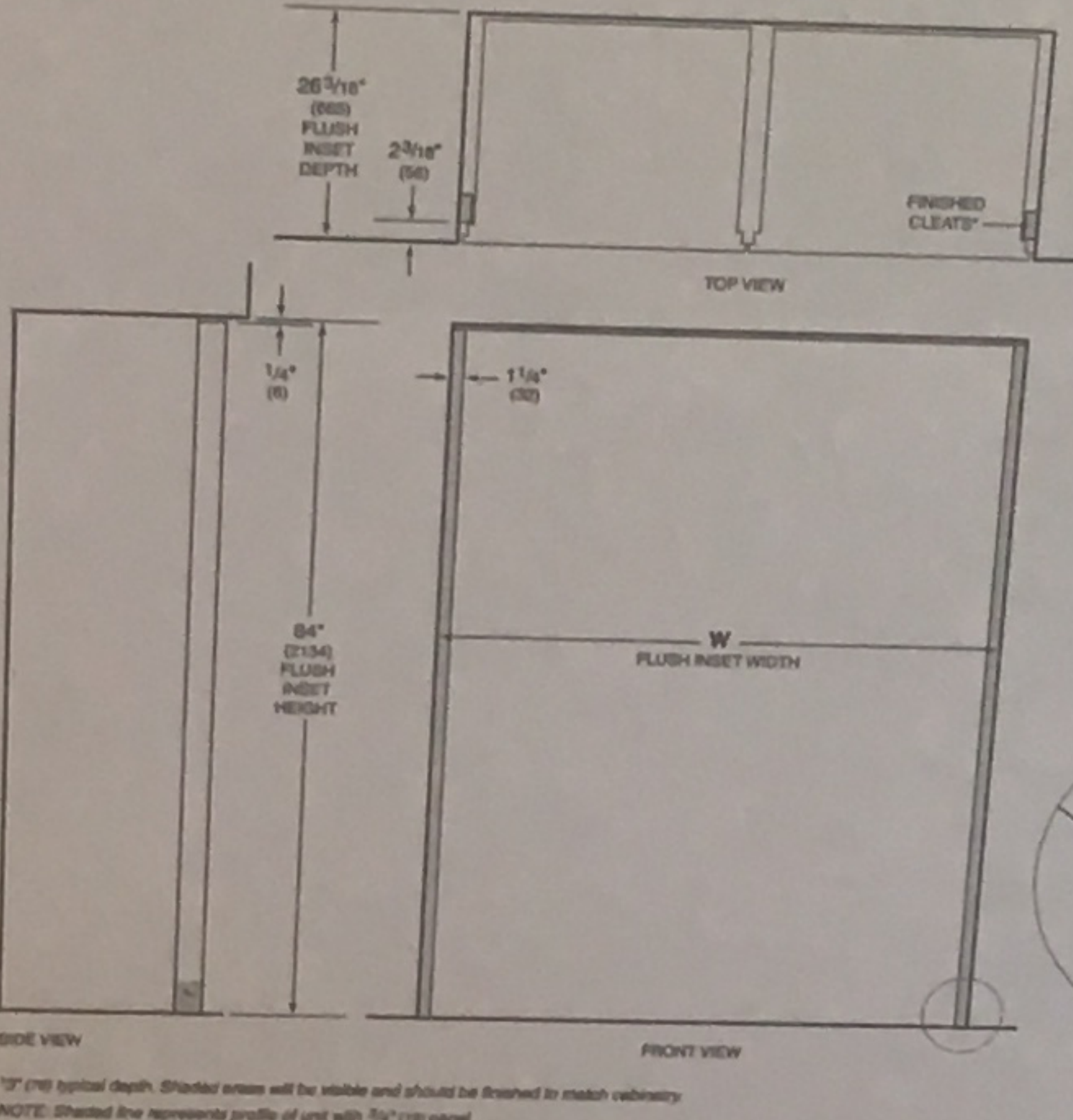
FLUSH INSET INSTALLATION



DUAL STANDARD INSTALLATION



DUAL FLUSH INSET INSTALLATION



OPENING WIDTH	
MODEL	W
30" Model	26 7/16" (676)
36" Model	30 3/4" (778)
42" Model	41 1/8" (1044)
48" Model	47 1/8" (1198)

FLUSH INSET WIDTH	
MODEL	W
30" Model	32" (813)
36" Model	36" (914)
42" Model	44" (1118)
48" Model	50" (1270)

Dimensions assume a 3/4" (19) panel thickness.

DUAL OPENING WIDTH	
MODELS	W
Two 30" Models	59 1/4" (1500)
30" and 36" Models	65 1/4" (1667)
Two 36" Models	71 1/4" (1825)

A dual installation kit will be required for this installation.

DUAL FLUSH INSET WIDTH	
MODELS	W
Two 30" Models	62 1/4" (1581)
30" and 36" Models	68 1/4" (1736)
Two 36" Models	74 1/4" (1891)

Dimensions assume a 3/4" (19) panel thickness. A dual installation kit will be required for this installation.

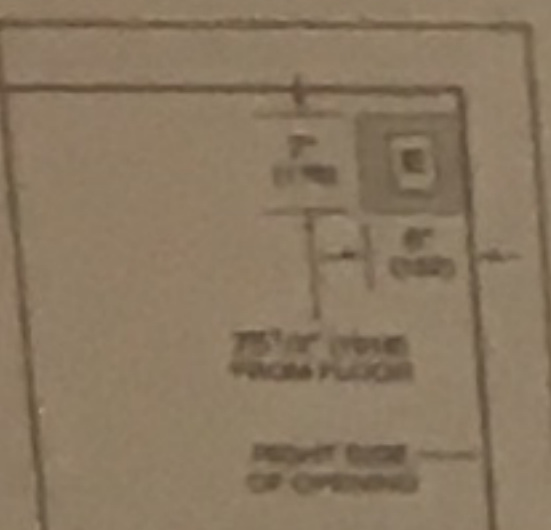
Dual Installation

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 required, 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.

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, serving only this appliance is required. A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

ELECTRICAL REQUIREMENTS	
Electrical Supply	115 VAC, 50 Hz
Service	15 amp
Receptacle	3-prong grounding type



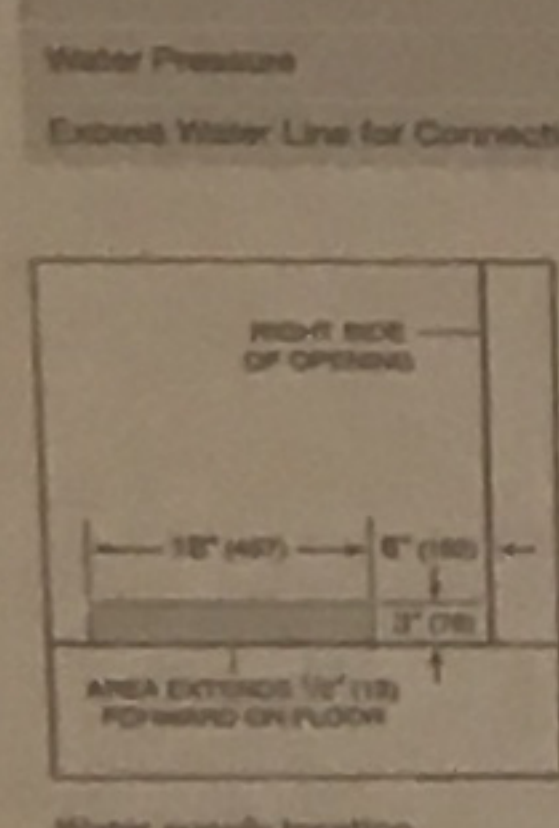
Electrical supply location.

Plumbing

Installation must comply with all applicable plumbing codes. The water supply line 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. The water supply line must not interfere with installation of the anti-tip brackets.

A reverse osmosis system can be used provided there is constant water pressure of 35-120 psi (2.4-8.3 bar) supplied to the unit at all times. In this application, the water filtration system must be bypassed by removing the filter. A copper line is not recommended for this application.

PLUMBING REQUIREMENTS	
Water Supply Line	1/4" OD copper, braided stainless steel or PEX tubing
Water Pressure	35-120 psi (2.4-8.3 bar)
Extend Water Line for Connection	36" (914)



Water supply location.

Preparation

Uncrate the unit and inspect for damage. Remove the wood base and discard shipping bolts and brackets. Remove and recycle packing materials. Do not discard the kickplate, anti-tip brackets and hardware.

Completely retract the front leveling legs to allow the unit to be moved into position. The front and rear leveling legs can be adjusted from the front once the unit is in position.

Remove the drain pan from the base of the unit to avoid damage, and allow for proper appliance duty placement.

The grille assembly should be removed prior to moving the unit. To remove, pull out on the bottom edge of the grille and rotate upward. Loosen the back two grille mounting screws and remove the front two grille mounting screws. With the grille held firmly, pull forward to remove.



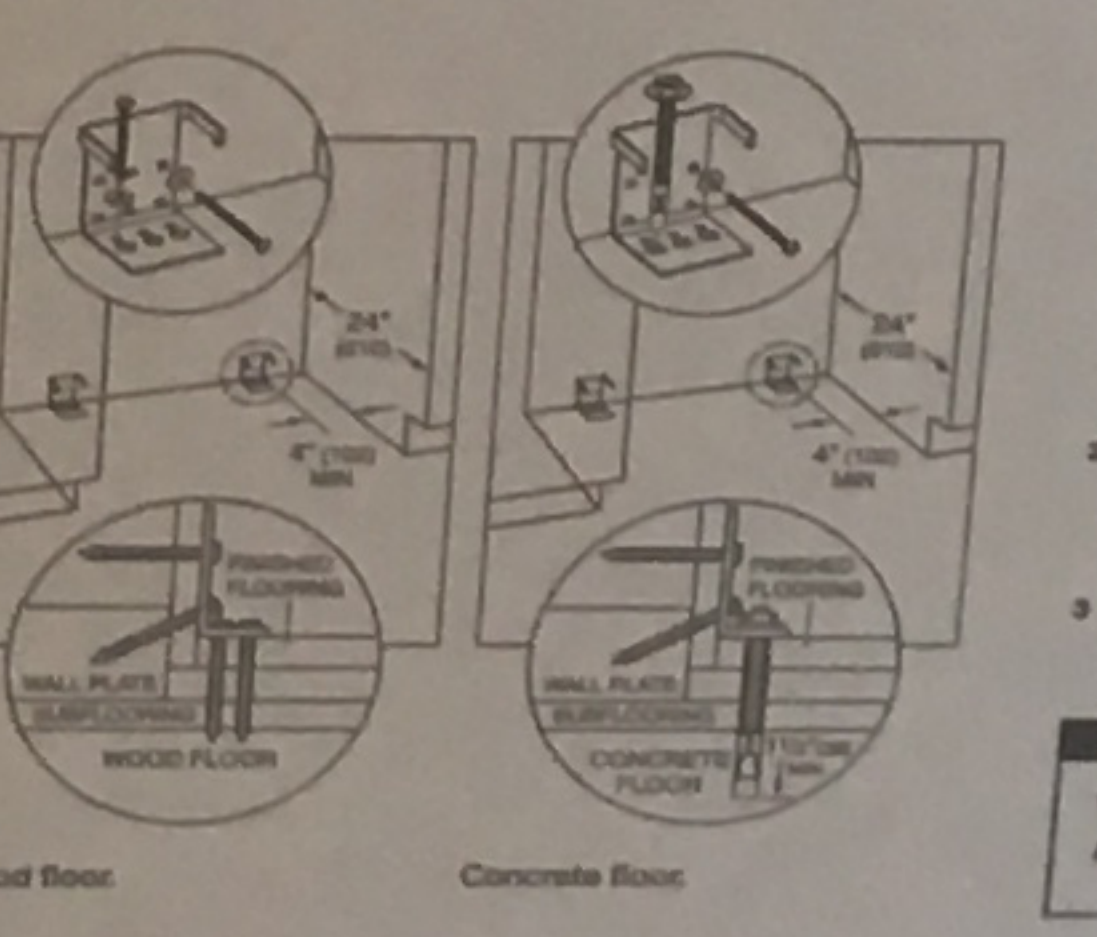
WARNING: Follow all city and state laws when storing, recycling or discarding unused refrigerators and freezers.

Anti-Tip Bracket

WARNING: To prevent the unit from tipping forward, the anti-tip brackets must be installed.

The two anti-tip brackets must be installed exactly 24" (610) from the front of the opening to the back of the brackets and a minimum of 4" (102) from the sides of the opening. This depth will increase to 26 7/16" (676) for a flush inset installation based on 3/4" (19) thick panels. Failure to properly position the anti-tip brackets will prevent proper engagement.

IMPORTANT NOTE: For wood or concrete floor applications, if the #12 screws do not hit a wall stud or wall plate, use the #8 screws and #12 washers with the wall anchors.



IMPORTANT NOTE: In some installations the subflooring or finished floor may necessitate angling the screws used to fasten the anti-tip brackets to the back wall.

WOOD FLOOR APPLICATION

After properly locating the anti-tip brackets in the opening, drill pilot holes 3/16" (5) diameter maximum in the wall studs or wall plate. Use the #12 screws and washers to secure the brackets. Verify the screws penetrate through the flooring material and into wall studs or wall plate minimum 1/4" (19).

CONCRETE FLOOR APPLICATION

After properly locating the anti-tip brackets in the opening, drill pilot holes 3/8" (9.5) diameter maximum in the wall studs or wall plate. Drill 5/16" (7.9) diameter holes into the concrete a minimum of 1 1/2" (38) deep. Use the #12 screws and washers to secure the brackets to the wall, and use the 3/8" wedge anchors to secure the brackets to the floor. Verify the screws penetrate wall studs or wall plate minimum 1/4" (19).

CONCRETE WEDGE ANCHOR INSTALLATION:

1. Drill a 5/8" (16) diameter hole any depth exceeding the minimum embedment. Clean the hole or drill additional depth to accommodate drill fins.
2. Assemble washer and nut flush with the end of anchor to protect threads. Drive anchor through the material to be fastened until washer is flush with the surface material.
3. Expand the anchor by tightening the nut 3-5 turns past hand-tight position or to 25 foot-pounds of torque.

WARNING: Verify there are no electrical wires or plumbing in the area which the screws could penetrate.

Placement

CAUTION: Before moving the unit into position, secure doorway closed and protect any finished flooring.

Use an appliance dolly to move the unit near the opening. If the unit has been on the back or side, it must stand upright for a minimum of 24 hours before connecting power.

Plug the power cord into the grounded outlet and roll unit into position. Verify anti-tip brackets are properly engaged.

IMPORTANT NOTE: If used, side panels will need to be installed before the unit is placed in the final position.

Water Line

Approximately 5' (152) of 1/4" plastic tubing is connected to the unit with a preassembled 1/4" compression connection under the unit. The water line fitting connection kit, provided with the unit, contains a 1/4" compression union fitting for connection to the household water line.

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.

Place the stem and nut on the water line and fasten to the connection at the end of the tubing. Do not over-tighten. Check all water line fittings for leaks. Verify drain pan can be installed and removed without water line interference.

IMPORTANT NOTE: If a reverse osmosis system used, it is recommended that the upper filtration system be bypassed by removing the filter.

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

Custom Panels

For overlay and flush inset applications, custom door and grille panels 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.

IMPORTANT NOTE: Flush inset applications require a minimum 1/2" (13) reveal on all sides.

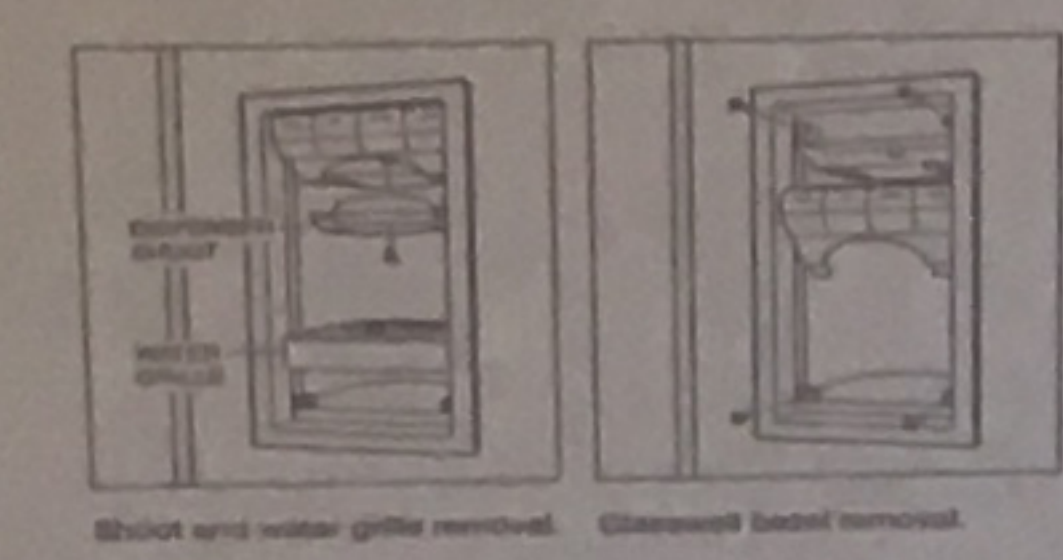
Finish all sides of custom panels. They may be visible when door is open or through the window of glass door models.

EXTERNAL DISPENSER

For external dispenser models, the glasswell base must be removed before custom panels can be installed.

The total panel thickness (including backer and spacer, if used) in the glasswell area can range from 1/4" (6) to a maximum 1 1/8" (29), if the panel is thicker, the area must be re-cut to 1 1/8" (29) maximum thickness.

To remove the backer, lift the water grille up and out. Remove the dispenser shroud by removing the center screw. Once the shroud is removed, rotate the control panel downward and disconnect the wire harness. Reverse procedure to re-install.



Door side trim. Dispenser top trim.

DOOR PANELS

To install custom door panels, remove the handle side trim molding. Insert a screwdriver tip into the top corner slot on the handle side and pop out the trim. For the drawer, insert a screwdriver tip into the slot on either side of the trim running along the top of the drawer and pop out the trim. Remove the screws and frame. Refer to the illustrations.



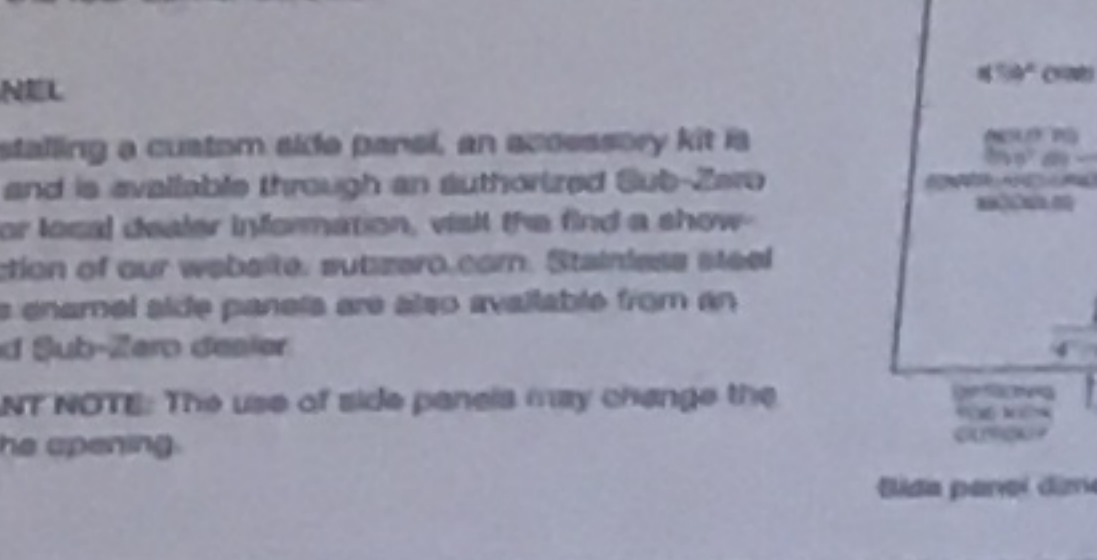
The door has a 1/4" (6) frame for the custom panel to slide into. If the panel is thicker than a 1/4" (6), rout an edge around the panel or mount the panel on a sheet of 1/2" (13) thick material, then insert into the frame. A 1/2" (13) space is required between the bottom panel and custom panel to allow the panel to slide into the door frame. Install handle hardware before inserting the panel. D-style handles are recommended. Slide the panel into the frame. To reattach the door trim molding, insert the top of the trim into grooves at the top of the door and work downward, snapping the trim into clips on the door frame. For the drawer, start at one end and move towards the opposite end, snapping the trim into the clips.

GRILLE PANEL

Remove the bottom grille frame by extracting the lower two corner screws from each side of the grille assembly. With the bottom section removed, slide the custom grille panel into the frame. If the panel is thinner than 1/4" (6), a filler material will need to be installed to achieve a proper fit. Once the panel is installed, reattach the bottom grille frame by sliding the corner brackets back into position, then reinstall the four corner screws.

SIDE PANEL

When installing a custom side panel, an accessory kit is required and is available through our authorized Sub-Zero dealer. For local dealer information, visit the front show-room section of our website, subzero.com. Stainless steel and white enamel side panels are also available from an authorized Sub-Zero dealer. **IMPORTANT NOTE:** The use of side panels may change the width of the opening.



Panel assembly cross section. Panel assembly rear view.

Alignment

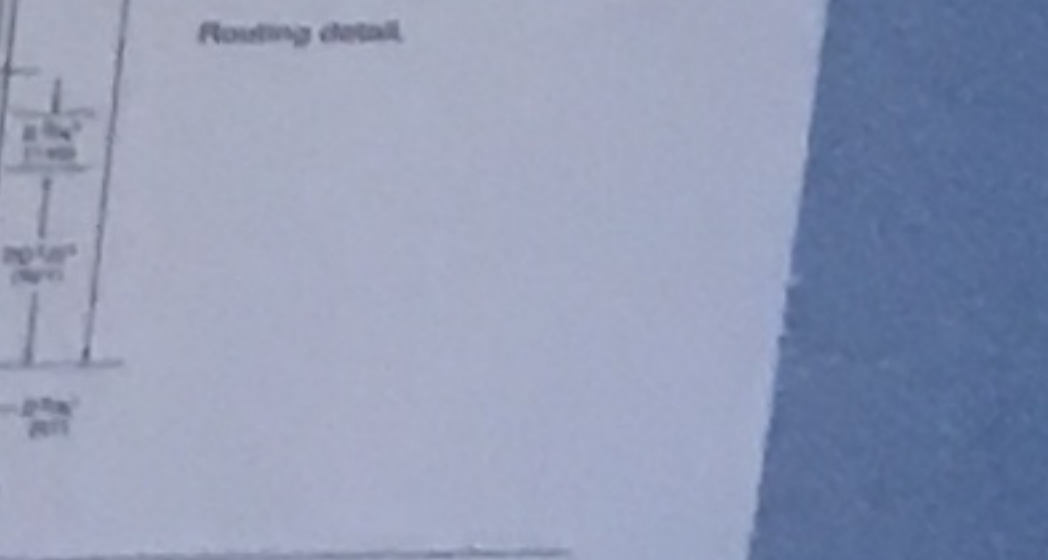
LEVELING

Place the unit in its position, front leveling legs. Adjusters to adjust the height. The rear height adjusters can be raised from the top of the rear casters. Using a 7/16" wrench, turn the 7/16" hex bolt clockwise to raise the unit or counterclockwise to lower. Use the correct torque settings when using the power tool. Do not turn the rear leveling legs by hand. Refer to the illustration below.

When the unit is properly leveled, raise and lower adjustment legs to ensure the unit is level. Reverse directions for a right-hinge door.

Close the door and adjust 1. For a left-hinge door, using a 7/16" allen wrench, turn the adjustment bolt clockwise to raise the handle side of the door and counterclockwise to lower the handle side. Reverse directions for a right-hinge door.

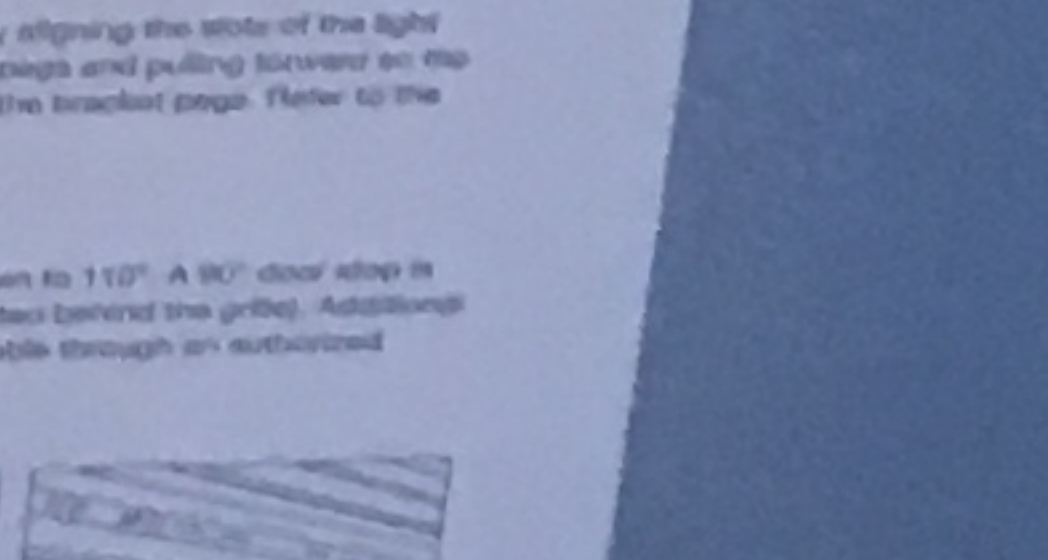
Close the door and adjust 2. For a left-hinge door, using a 7/16" allen wrench, turn the adjustment bolt clockwise to raise the handle side of the door and counterclockwise to lower the handle side. Reverse directions for a right-hinge door.



Leveling adjustment bolts. Door adjustment bolts.

DOOR STOP

The door of all models open to 110°. A 90° door stop is provided with the unit (located behind the grille). Additional 90° door stop kits are available through an authorized Sub-Zero dealer.



Light diffuser installation.

Completion

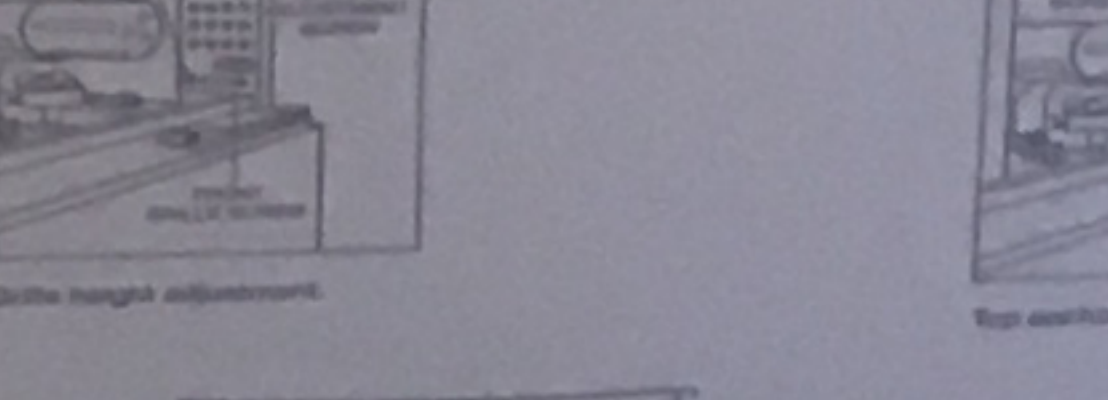
GRILLE INSTALLATION

Install the grille assembly and check for proper fit. The grille is designed to rest on the upper door lip(s) to minimize the reveal between the top of the door and bottom of the grille. To adjust the fit between the grille height can be adjusted. Loosen the four grille adjustment screws (two on each side) and adjust the grille height as needed. Refer to the illustration below.

WATER FILTER BYPASS

If the water filtration system will not be utilized, it can be bypassed in case filter bypass mode by removing the water filter. Follow these steps to remove the water filter.

1. Pull out on the bottom edge of the grille assembly and lift the grille frame upward.
2. To remove the cartridge, rotate the cartridge counter-clockwise one-quarter turn and pull out.



Grille height adjustment. Filter removal.

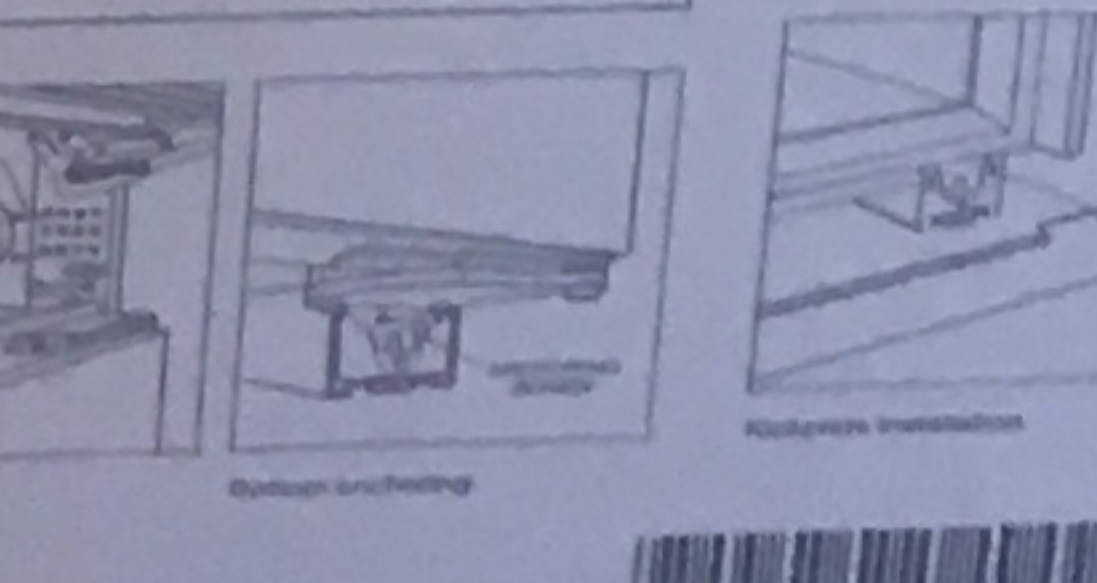
ANCHORING

After the unit has been leveled and door adjustment completed, anchor the unit to the opening to ensure a proper fit and secure installation. To anchor the top of the unit, open the grille and install the screws provided, through the grille frame into the cabinet. There are several hole locations. Refer to the illustration below. Check for proper door clearance by opening the door.

To anchor the bottom of the unit, slide a screw through the side hole in each roller base assembly. The screw will need to go in at an angle to attach properly. Refer to the illustration below. Additional rollers may be needed behind the door to ensure sufficient anchoring.

CAUTION

If the rollers provided are not suitable for the installation, use adequate screws.

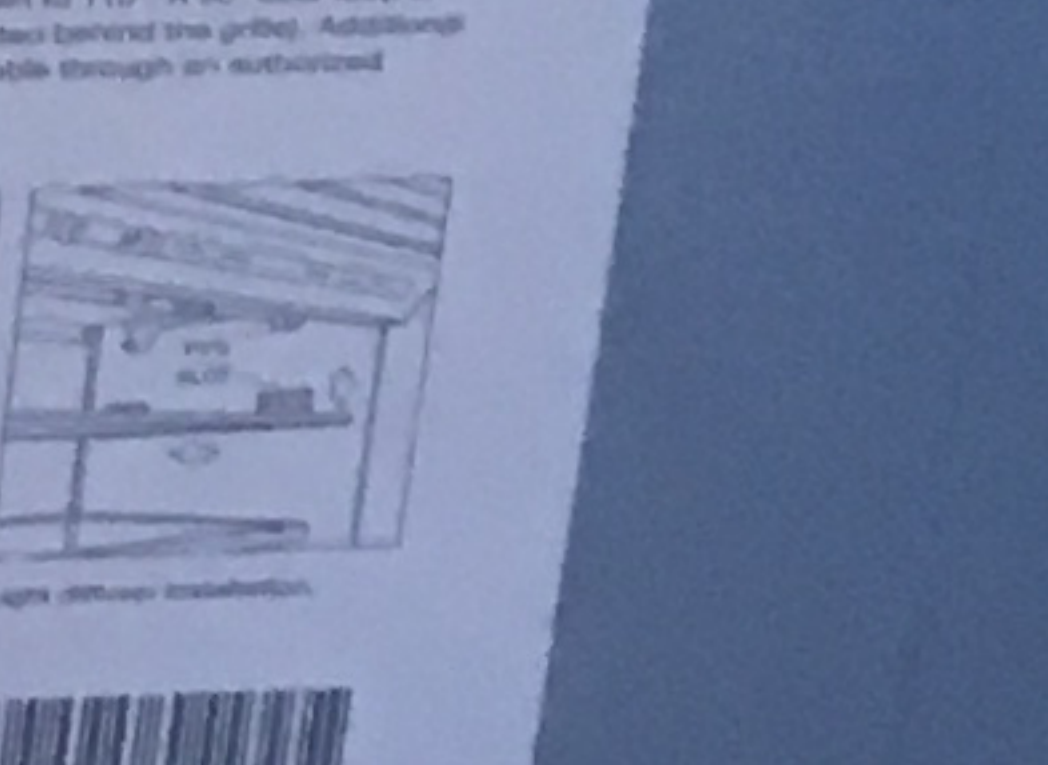


Roller base assembly. Door anchoring.

FINISHING

Reinstall the drain pan and verify it is in the proper position on the inside of each roller base. Refer to the illustration below. The kickplate must be removable for service. The floor covers are self-removable. Refer to the label mounted on the kickplate required for height clearance.

Turn power on by attaching POWER on the control panel. Install the light diffuser by sliding the side of the light diffuser onto the bracket tabs and pulling forward on the side on the side engage the bracket posts. Refer to the illustration below.



Drain pan installation. Roller base anchoring. Light diffuser installation.

