



Specifications for Project

OHANA DESIGN LLC

Salesperson

Rishi Gauri

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REMINDER:

To ensure a smooth project it is the responsibility of the homeowner / purchaser of appliances for this project to share all the attached specifications to ensure the cabinet provider, contractor, or any other tradesperson have all the information required to complete their work accurately.

Specifications are subject to change. If any tradesperson has questions regarding the attached specifications please contact our sales associate.

OHANA DESIGN LLC

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Sales Order **SO04-182336**
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enterprise.steelcod.com/sp/grnd/ZFHJYQRN

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Note about page numbers:

Because the original manufacturer's documents are not altered in any way, the page numbers displayed on the page may not correspond to the page number within this package.

All specifications are intended for initial planning purposes only.

Manufacturers reserve the right to change specifications at any time without notice. Always consult the installation instructions found on the manufacturer's website or included with the appliances before installation.

Uline Refrigeration

24" Beverage Center | Integrated Solid

WKHC252HBA	44-45
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LG Washer-Dryer Combo

Single Unit LG WashTower™ with Center Control™ 5.0 cu. ft. Front Load Washer and 7.8 cu. ft. Electric Ventless Heat Pump Dryer

CL3050W/O/L	46-58
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Sub-Zero Refrigeration

30" Classic Wine Storage - Panel Ready

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CL4850UFD/O



FEATURES

Split Climate® intelligent cooling system revolutionizes Sub-Zero's already-superior preservation capabilities, keeping food even fresher for longer

ClearSight® LED lighting system fully illuminates the interior and reduces shadows.

Sleek stainless accents trim the interior, matching the sophistication of the exterior

Touch control panel is conveniently located for easy access at the tap of a finger

Night Mode optimizes the interior lighting based on the detected ambient light, reducing the brightness by 90% in dim environments

Lift the base of the flip-up dairy compartment to store taller items on the shelf below

Activate Max Ice Mode to temporarily increase ice production

Wi-Fi enabled for convenient remote access using your mobile device or smart home system

Position adjustable door bins at various heights to accommodate assorted items

Sub-Zero offers an industry-leading full two-year warranty on appliances, along with a full five-year sealed system warranty

ACCESSORIES

90° Door Stop

Air Purification Cartridge

Custom Front Panel Mounting Kit

Custom Side Panel Mounting Kit

Egg Container

Grille Frame - 84"

Pro Handle

Pro Louvered Flush Inset Grille - 84"

Stainless Steel Flush Inset Grille Panel

Stainless Steel Pro Louvered Grille - 84"

Stainless Steel Pro Louvered Grille - 84"

Stainless Steel Side Panel

Tubular Handle

Water Filter

Stainless Steel Flush Inset Door and Drawer Panels with Pro Handle

Stainless Steel Flush Inset Door and Drawer Panels with Tubular Handle

Classic Stainless Steel Pro Louvered Grilles

Stainless Steel Pro Handles

Stainless Steel Tubular Handles

Stainless Steel Kickplate



HANDLE ACCESSORIES

PRO



TUBULAR



PRODUCT DETAILS

REFRIGERATOR

- 7 glass refrigerator shelves (6 adjustable; 1 stationary)
- 4 crisper drawers with removable dividers
- 7 refrigerator door bins (5 adjustable; 2 stationary)
- 1 flip-up dairy compartment
- Air purification system
- LED refrigerator and freezer lights

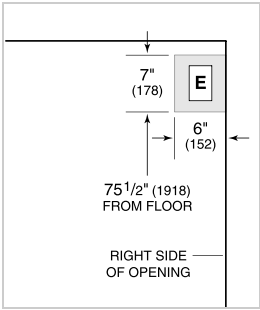
FREEZER

- Full-extension drawer
- Water filtration system
- Automatic ice maker with removable ice container

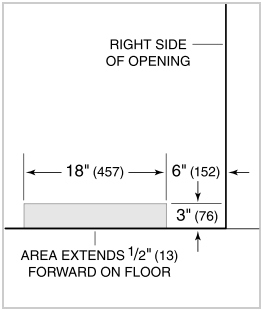
PRODUCT SPECIFICATIONS

Model	CL4850UFD/O
Dimensions	48"W x 84"H x 24"D
Refrigerator Capacity	21.4 cu. ft.
Freezer Capacity	7.5 cu. ft.
Weight	702 lbs
Electrical Supply	115 VAC, 60 Hz
Electrical Service	15 amp dedicated circuit
Plumbing Supply	1/4" OD copper, braided stainless steel or PEX tubing
Plumbing Pressure	35–120 psi
Receptacle	3-prong grounding-type

ELECTRICAL



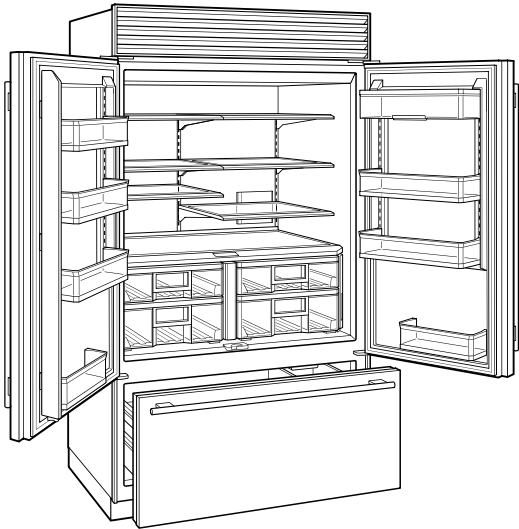
PLUMBING



PANEL SPECIFICATIONS For complete panels specifications including width/height, weight requirements, thickness requirements and offset details visit subzero-wolf.com/builtinconfigurator.

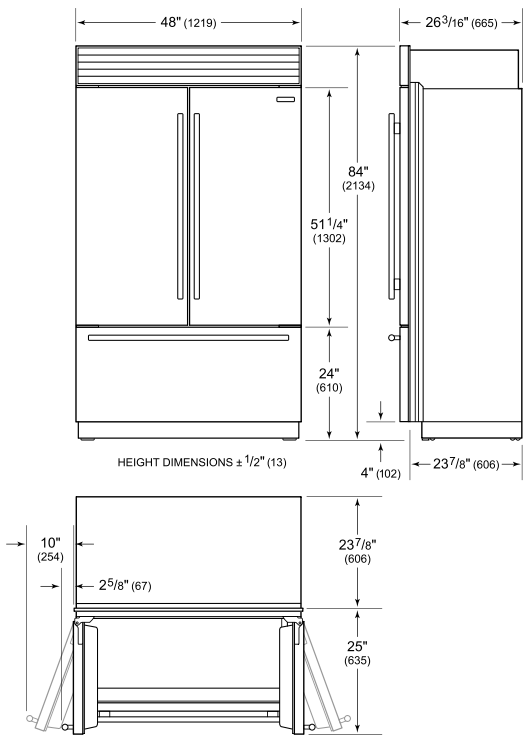
NOTE: Dimensions in parenthesis are in millimeters unless otherwise specified

INTERIOR VIEW

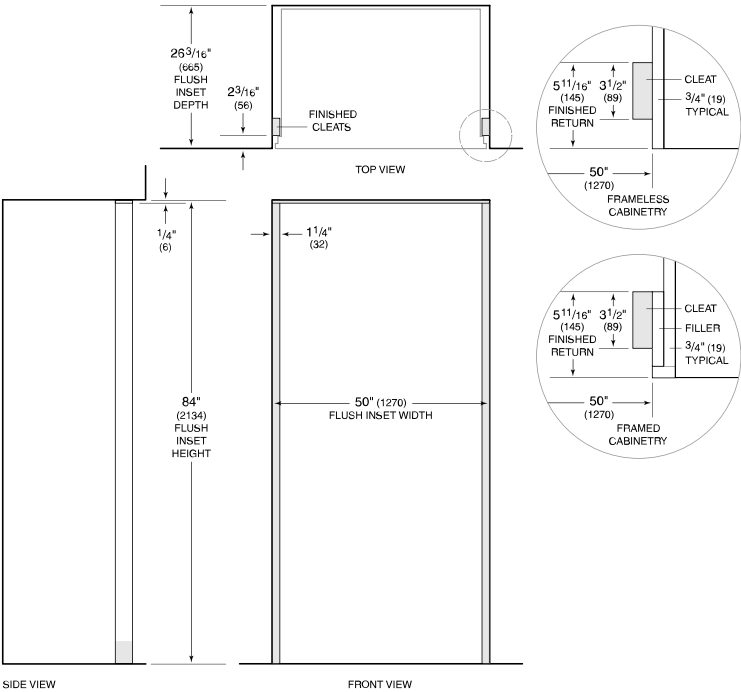


This illustration is intended for interior reference only and may not represent the exterior of the model being specified.

DIMENSIONS



FLUSH INSET INSTALLATION



NOTE: 3 1/2" (89) finished returns and shaded areas will be visible and should be finished to match cabinetry. Shaded line represents profile of unit with 3/4" (19) panel.

CL4850UFD/O



FEATURES

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Tubular Handle

Water Filter

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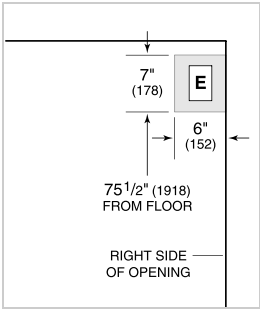
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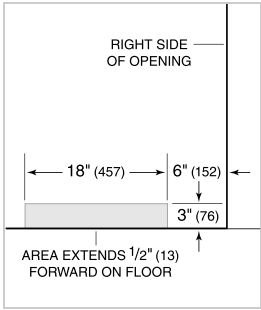
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ELECTRICAL



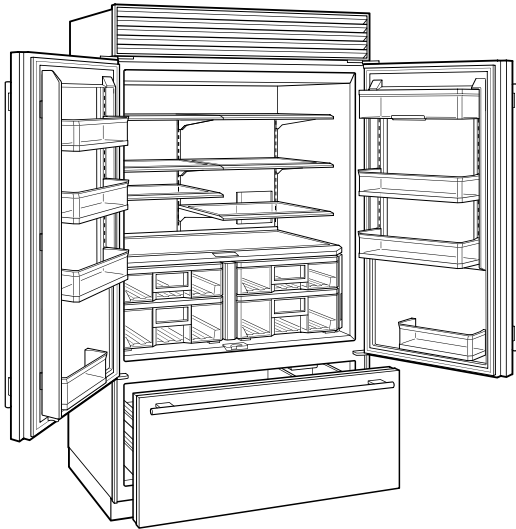
PLUMBING



PANEL SPECIFICATIONS For complete panels specifications including width/height, weight requirements, thickness requirements and offset details visit subzero-wolf.com/builtinconfigurator.

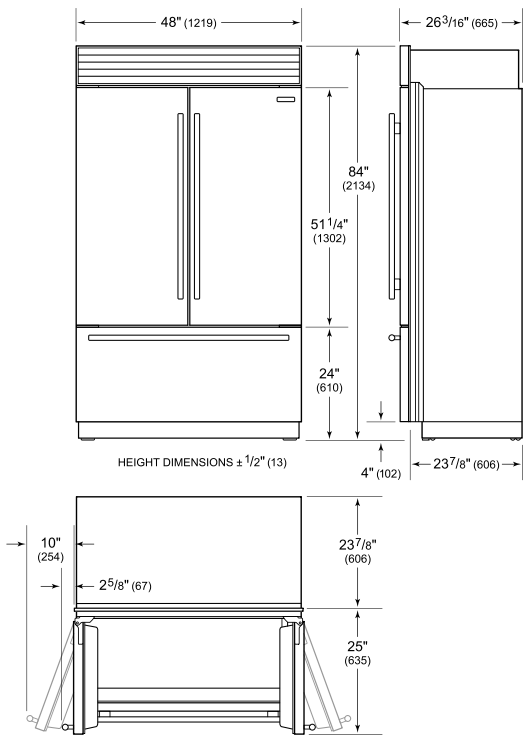
NOTE: Dimensions in parenthesis are in millimeters unless otherwise specified

INTERIOR VIEW

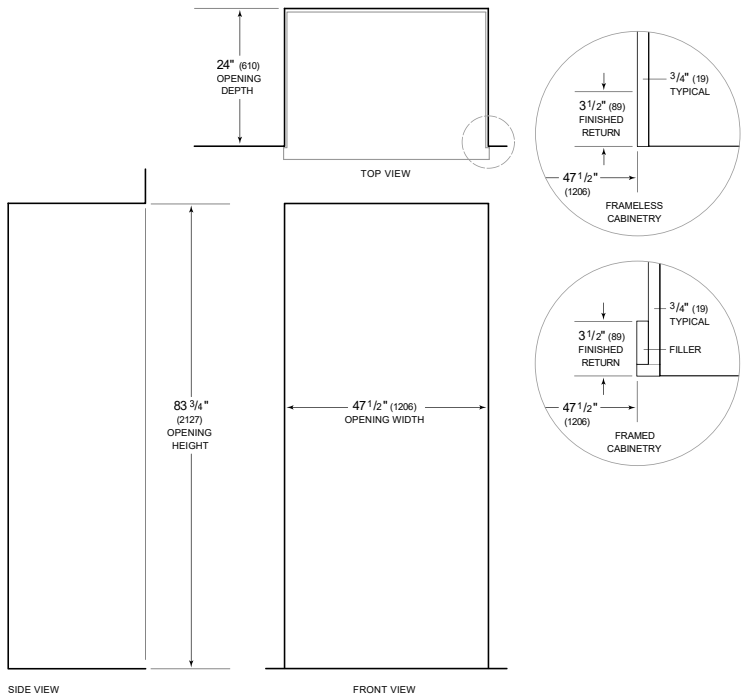


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DIMENSIONS



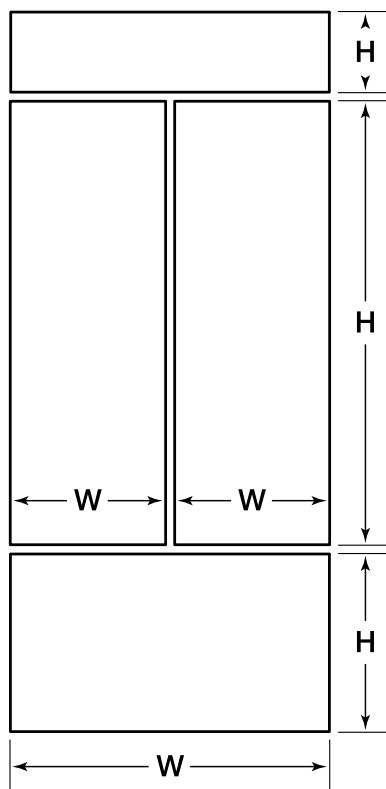
STANDARD INSTALLATION



NOTE: 3 1/2-inch (89mm) finished returns will be visible and should be finished to match cabinetry. Shaded line represents profile of unit.

Panel Specifications

Single Model: CL4850UFD/O



PANEL	FRONT	SPACER	BACKER	MAX WEIGHT
Door (2)	$24 \frac{3}{8}"$ W $50 \frac{5}{8}"$ H	$23"$ W $49 \frac{13}{16}"$ H	$23 \frac{5}{8}"$ W $50 \frac{7}{16}"$ H	50 lbs
Drawer	$49"$ W $20"$ H	$47 \frac{1}{8}"$ W $19 \frac{1}{16}"$ H	$47 \frac{3}{4}"$ W $19 \frac{11}{16}"$ H	50 lbs
Grille	$49"$ W $7 \frac{3}{4}"$ H	$47 \frac{1}{8}"$ W $6 \frac{13}{16}"$ H	$47 \frac{3}{4}"$ W $7 \frac{7}{16}"$ H	13 lbs

Panel Planning Notes

Single Model: CL4850UFD/O

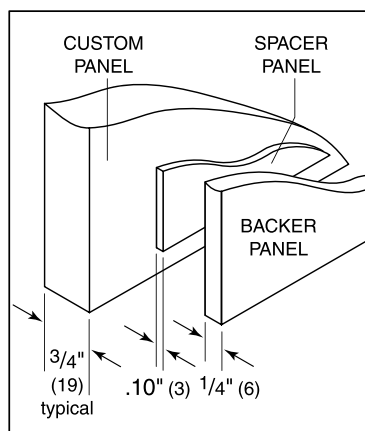
The flush inset application is an overlay model with flush inset panels. It is not a separate model.

The flush inset design allows custom panels to be installed flush with adjacent cabinets. Similar to overlay, flush inset panels are typically created by combining a 3/4" (19) custom panel, a .10" (3) spacer panel and a 1/4" (6) backer panel.

For flush inset panels thicker than 3/4" (19), a 90° door stop may be required to prevent interference with adjacent cabinets.

Minimum Panel Thickness

3/4"



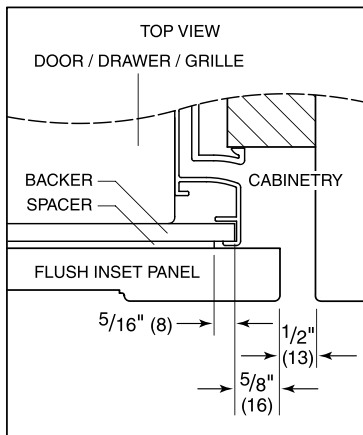
Panel assembly (rear view).

Standard Handle Lengths (Optional)

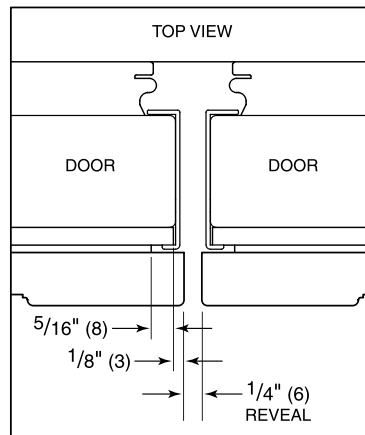
HANDLE	TUBULAR	PRO
CL4850UFD/O Door	40 1/8"	36 1/16"
CL4850UFD/O Drawer	43"	42"

Panel Offsets

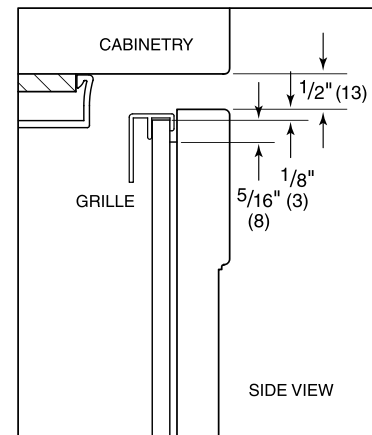
Single Model: CL4850UFD/O



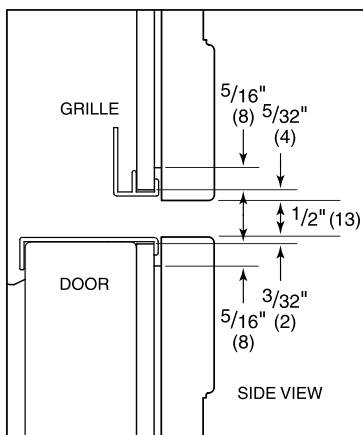
Door (hinge) / Drawer / Grille Sides



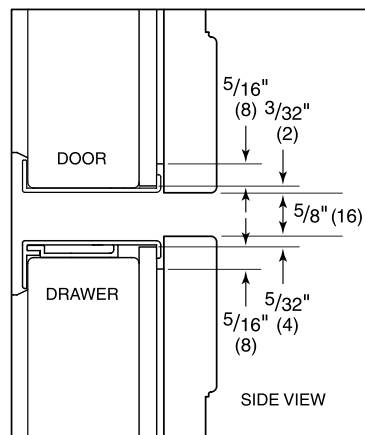
Doors (handle) Sides



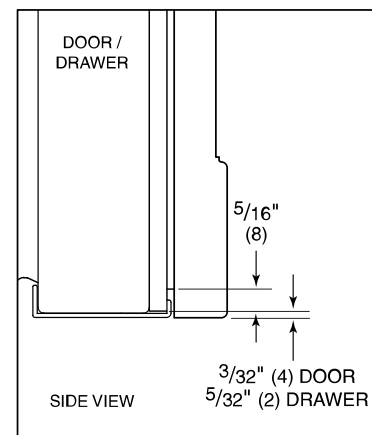
Grille Top



Grille Bottom / Door Top



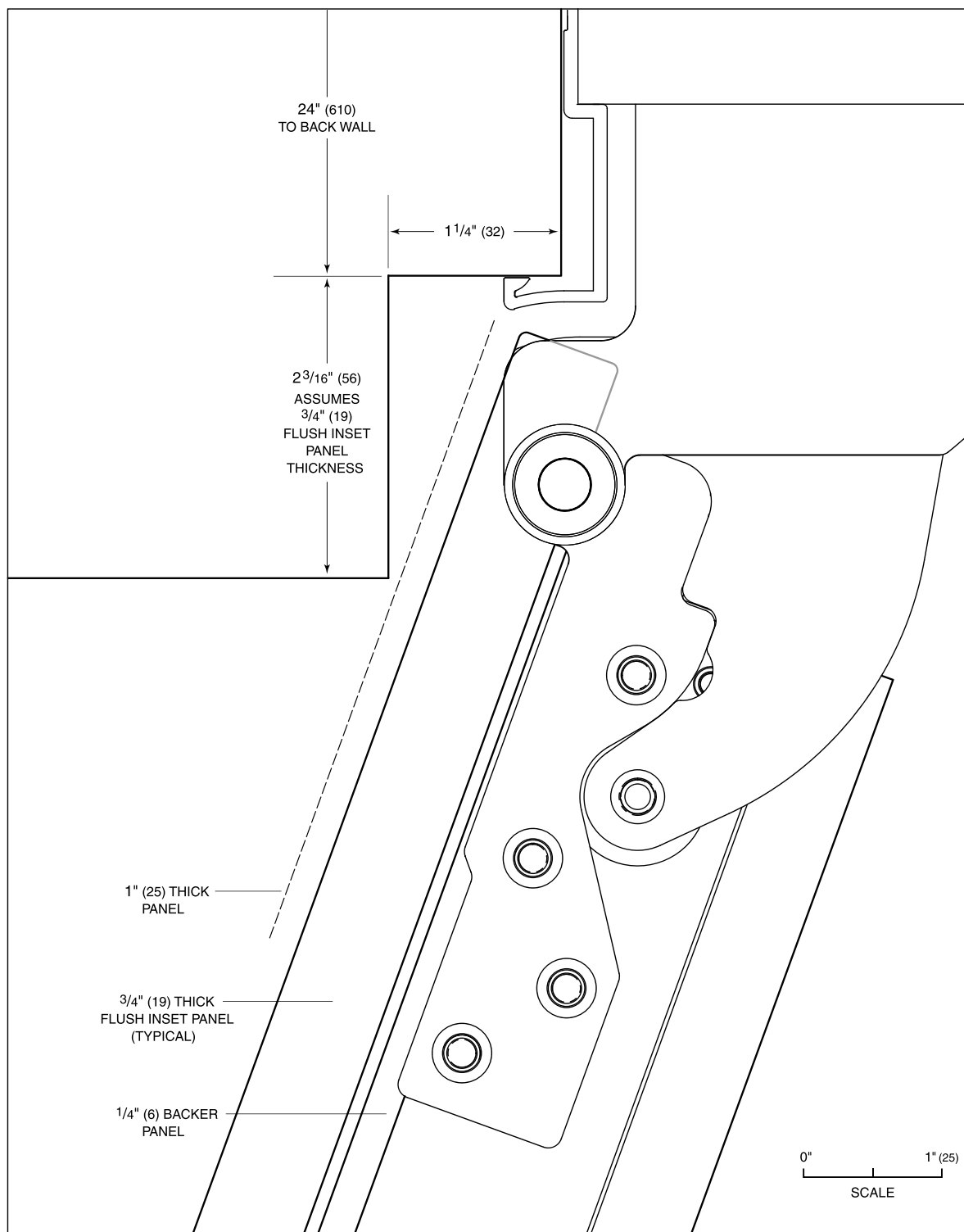
Door Bottom / Drawer Top



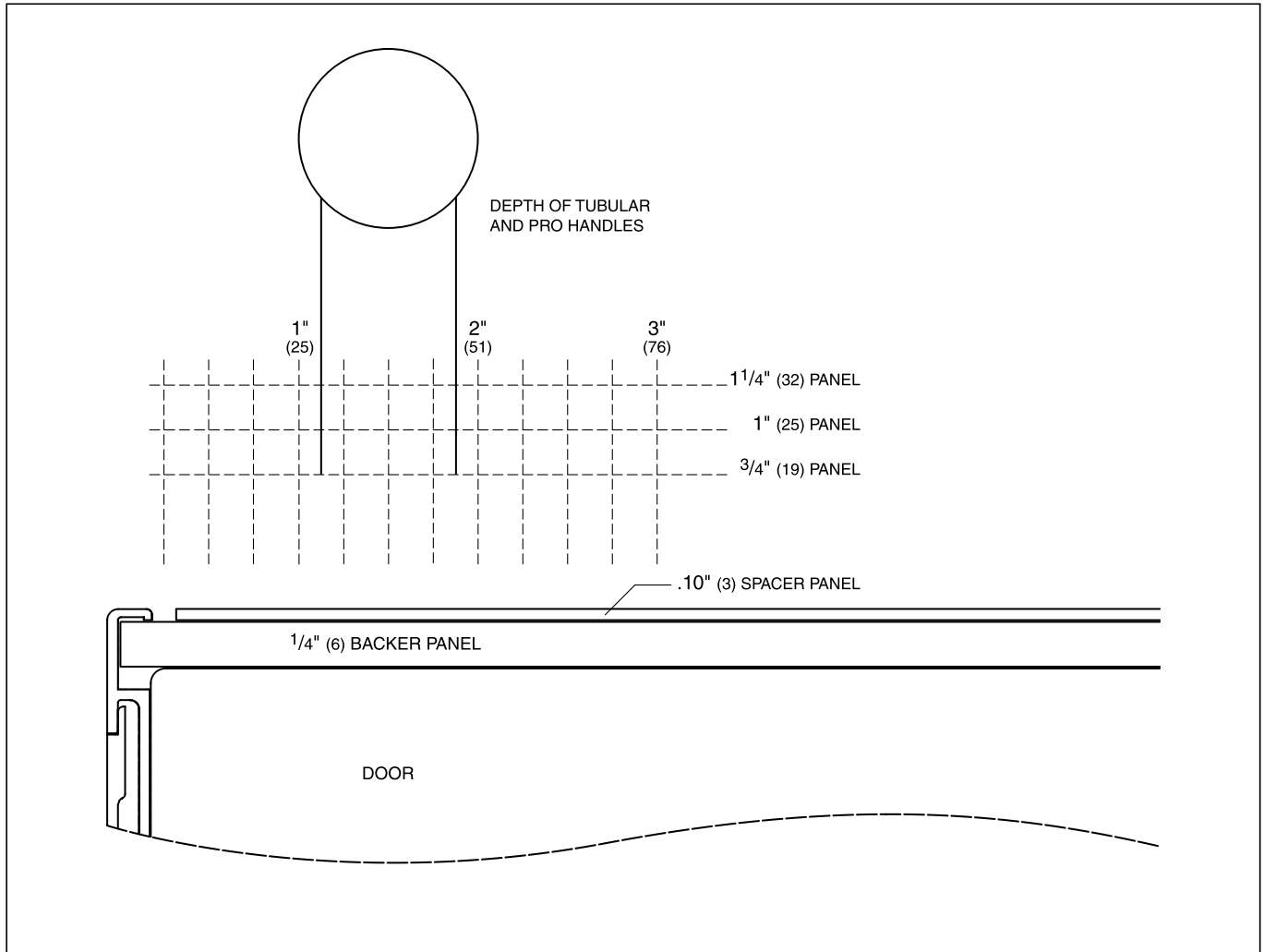
Door/Drawer Bottom

Templates

Single Model: CL4850UFD/O



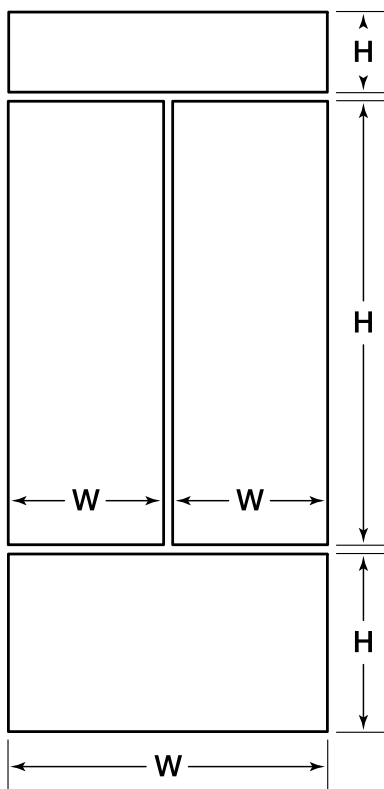
Flush inset application—110° door opening (top view).



Overlay and flush inset panel thickness.

Panel Specifications

Single Model: CL4850UFD/O



PANEL	FRONT	SPACER	BACKER	MAX WEIGHT
Door (2)	$23 \frac{7}{8}"$ W $50 \frac{5}{8}"$ H	$23"$ W $49 \frac{13}{16}"$ H	$23 \frac{5}{8}"$ W $50 \frac{7}{16}"$ H	50 lbs
Drawer	$48"$ W $20"$ H	$47 \frac{1}{8}"$ W $19 \frac{1}{16}"$ H	$47 \frac{3}{4}"$ W $19 \frac{11}{16}"$ H	50 lbs
Grille	$48"$ W $7 \frac{3}{4}"$ H	$47 \frac{1}{8}"$ W $6 \frac{13}{16}"$ H	$47 \frac{3}{4}"$ W $7 \frac{7}{16}"$ H	13 lbs

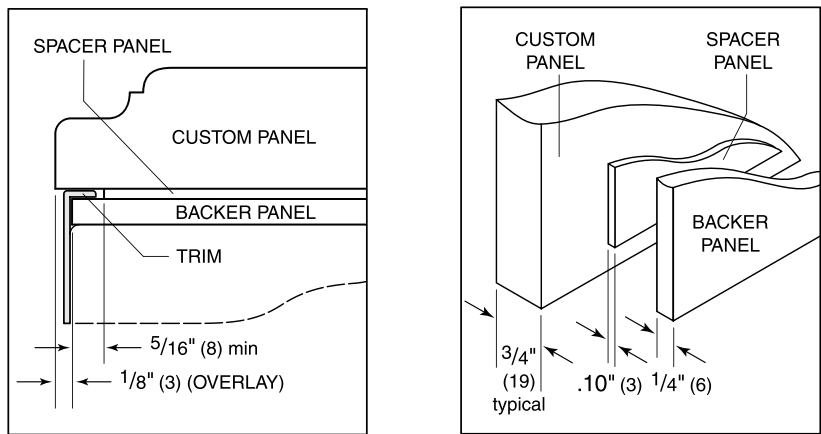
Panel Planning Notes

Single Model: CL4850UFD/O

Overlay panels are typically created by combining a 3/4" (19) custom panel, a .10" (3) spacer panel and a 1/4" (6) backer panel.

Minimum Panel Thickness

5/8"



Panel assembly (cross section).

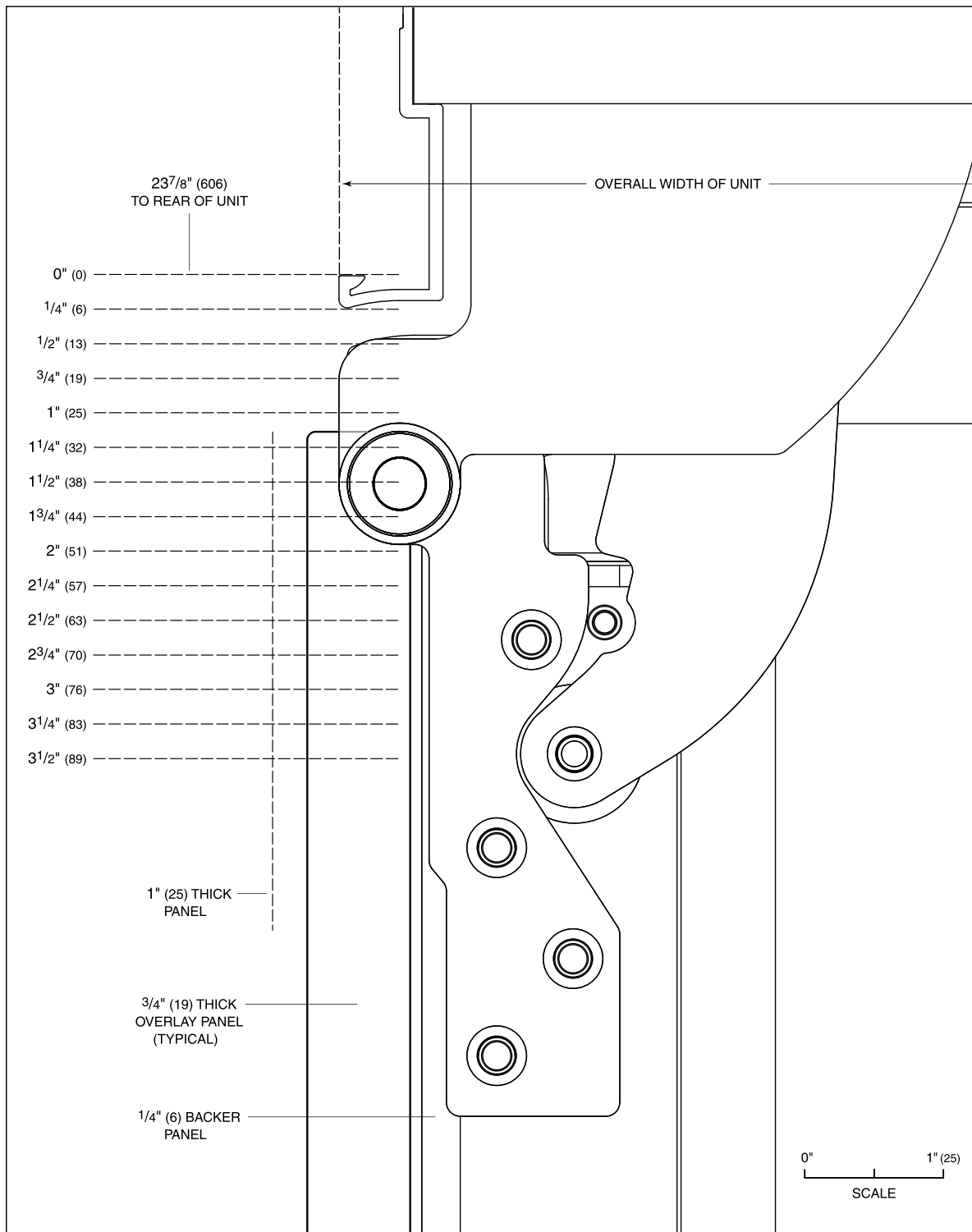
Panel assembly (rear view).

Standard Handle Lengths (Optional)

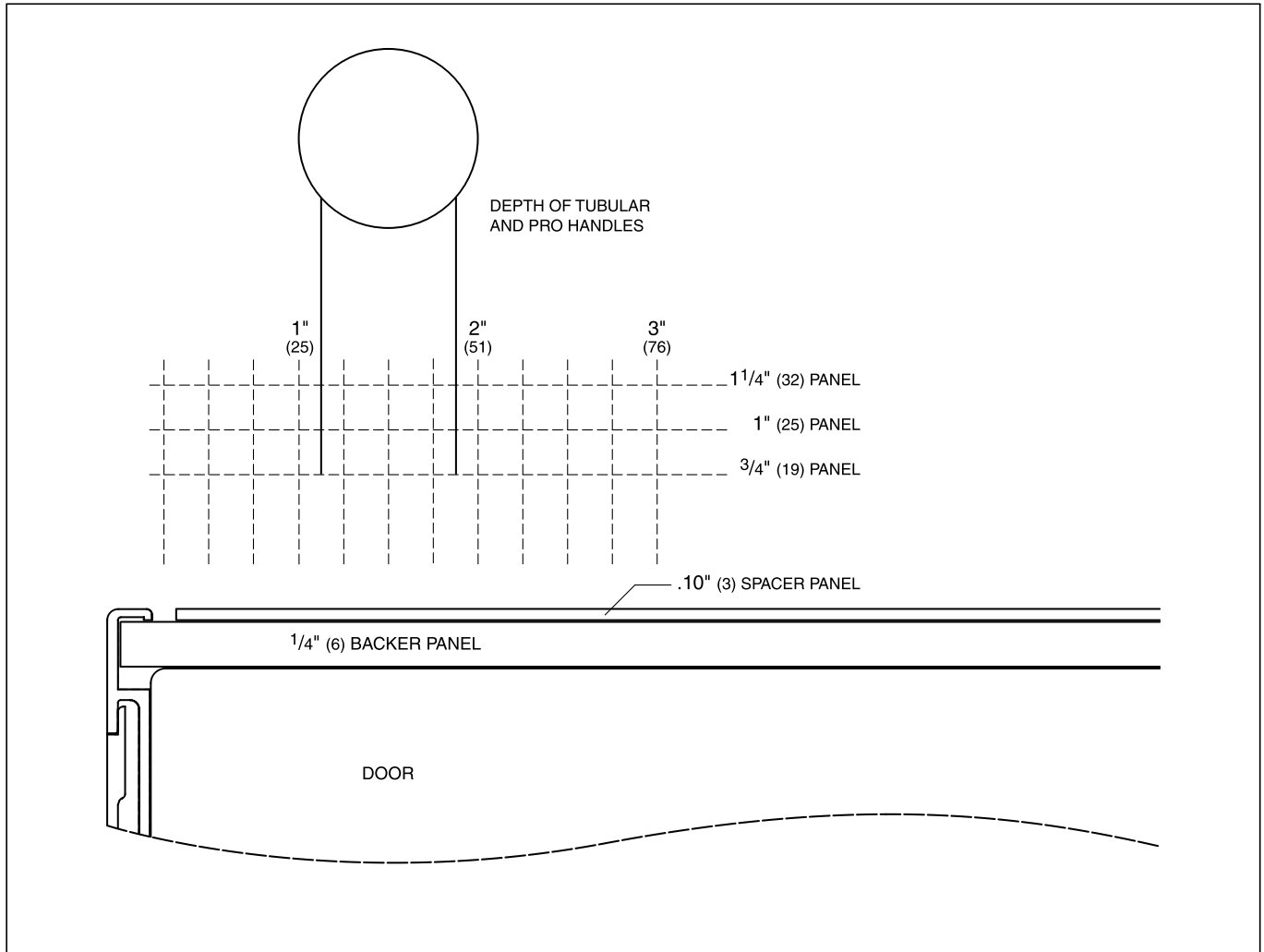
HANDLE	TUBULAR	PRO
CL4850UFD/O Door	40 1/8"	36 1/16"
CL4850UFD/O Drawer	43"	42"

Templates

Single Model: CL4850UFD/O



Overlay application—90° door opening (top view).



Overlay and flush inset panel thickness.

GR488



FEATURES

Control temperature precisely with 8 dual-stacked, sealed gas burners for higher highs, lower lows

Enjoy quicker heat and more even cooking with this large capacity gas convection oven

Multi-task with an additional 18" oven.

Clean up sloshes and spills easily with the seamless, sealed, black porcelain-coated burner pans

Produce crisper crusts and faster sears with the powerful infrared interior broiler

Re-ignites flame automatically with our spark ignition system for improved temperature control and added safety

Move pots and pans easily across continuous cast-iron grates

Find your kitchen style with a choice of iconic red, black, or brushed stainless control knobs

ACCESSORIES

18" Full-Extension Oven Rack

2-Burner Wok Grate

2-Burner Wok Grate

Bake Stone Kit

Filler Trim

Front Leg Covers

Full-Extension Ball Bearing Rack

Stainless Steel Kickplate

Brushed stainless, polished brass, chrome, or brushed brass bezels

High altitude conversion kits available

Signature red, black, brushed stainless, brushed gray, or brushed brass knob kits

5" and 10" stainless steel risers, and 20" riser with shelf

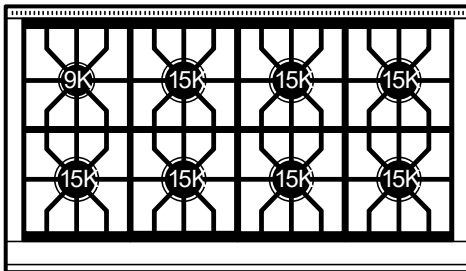
Accessories available through an authorized dealer.
For local dealer information, visit subzero-wolf.com/locator.



KNOB OPTIONS



TOP CONFIGURATION



RANGETOP SPECIFICATIONS

- 1 - 9,200 Btu burner
- 7 - 15,000 Btu burners

OVEN INTERIOR SPECIFICATIONS

- 30,000 Btu oven burner
- 18,000 Btu oven broiler

DW2451



FEATURES

Cove's new advanced wash system drives three powerful spray arms, 45 spray jets, and a fine-mesh filter that removes food and grease and circulates clean water

Every glass, dish, and utensil comes out spotless and dry thanks to the hot rinse and fan assist

Whisper-quiet operation means you can keep the conversation flowing while running a load of dishes

Quality and aesthetics meet in a striking stainless-steel interior with a clean, fastenerless design

12 wash cycles and 6 add-on options can be mixed and matched, allowing you to personalize cleaning to your needs

Offers infinite interior variations to meet your dishwashing needs; height-adjustable middle rack and fold-down tines accommodate large pots and tall items

Loading and unloading is easy with interior LED lights that aid in visibility

Stainless or panel-ready options complement any décor and coordinate perfectly with other Sub-Zero and Wolf appliances

Dishwasher disappears into the kitchen with hidden control panel and discreet status light

With our convenient Owner's App, you can remotely start or monitor a cycle, receive alerts when rinse aid is low—even set up auto-replenishment

Cove's leak protection system offers peace of mind in the rare event of a leak. A conductivity sensor in the base of the unit will automatically stop a cycle in progress if it detects a leak

ACCESSORIES

4" Stainless Kickplate - 24" Opening

4" Stainless Kickplate - 60cm Opening

Pro Handle Kit

Tubular Handle Kit

24" Stainless Steel Door Panel Kits

60cm Stainless Steel Door Panel Kits

Accessories are available through an authorized dealer.
For local dealer information, visit subzero-wolf.com/locator.



HANDLE ACCESSORIES

PRO



TUBULAR



PRODUCT DETAILS

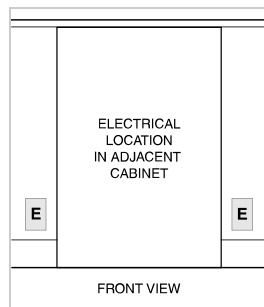
DISHWASHER

- 4 LED lights (2 sides; 2 top)
- 45 spray jets across 3 spray arms
- Four-stage, fine mesh filter
- Adjustable stemware rail
- Adjustable cup shelf
- Height-adjustable middle rack
- Easy-glide bottom rack
- Upper silverware rack
- One large utensil basket
- Fold-down tines on lower and middle racks

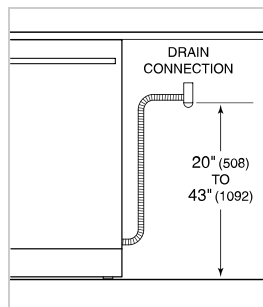
PRODUCT SPECIFICATIONS

Model	DW2451
Dimensions	23 5/8"W x 34 1/2"H x 23 1/4"D
Door Clearance	26 3/4"
Sound Level	41 dBA (Model and cycle/option dependent)
Electrical Supply	115 VAC, 60 Hz
Electrical Service	15 amp dedicated circuit
Receptacle	3-prong grounding-type
Cord Length	6'
Water Connection	5' braided tubing with 3/8" female compression fitting
Drain Connection	5' (1.5 m) corrugated tubing
Plumbing Pressure	30–140 psi

ELECTRICAL



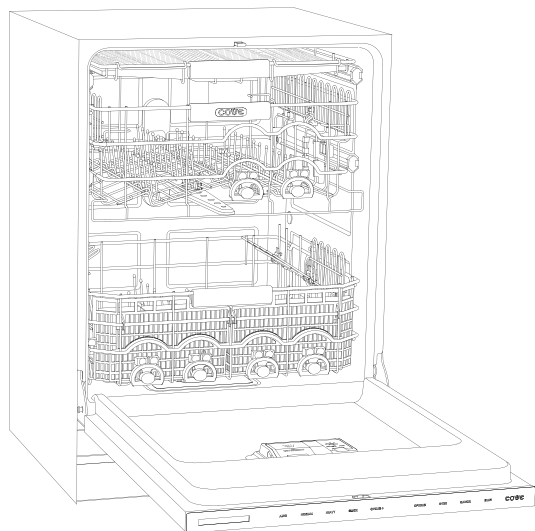
PLUMBING



COVE OPENING WIDTH Cove dishwashers accommodate varying opening widths. A 23 5/8" (60 cm) width provides minimum reveals and is ideal for new construction. A 24" width is also common; however, reveals for a 24" opening will be larger than the reveals for a 23 5/8" opening unless the panel width is adjusted accordingly. 24" and 60 cm stainless steel panels are available and must be specified accordingly.

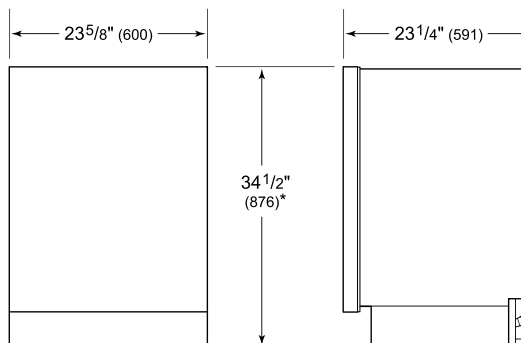
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INTERIOR VIEW

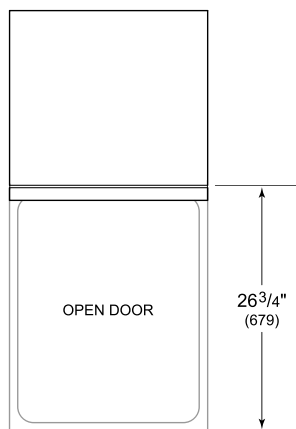


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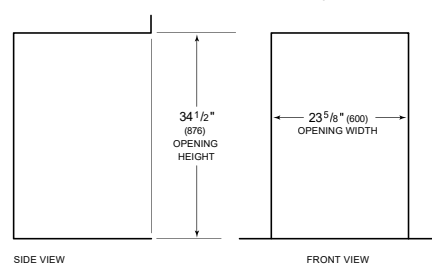
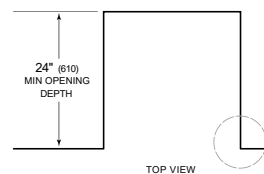
DIMENSIONS



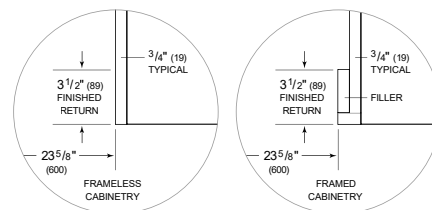
*33 3/4" (857) MIN TO 34 3/4" (883) MAX



60 CM INSTALLATION



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DW2451



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ACCESSORIES

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4" Stainless Kickplate - 60cm Opening

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Tubular Handle Kit

24" Stainless Steel Door Panel Kits

60cm Stainless Steel Door Panel Kits

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HANDLE ACCESSORIES

PRO



TUBULAR



PRODUCT DETAILS

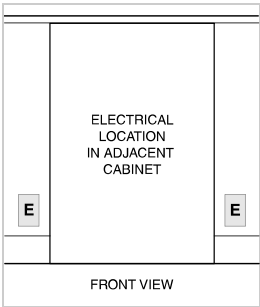
DISHWASHER

- 4 LED lights (2 sides; 2 top)
- 45 spray jets across 3 spray arms
- Four-stage, fine mesh filter
- Adjustable stemware rail
- Adjustable cup shelf
- Height-adjustable middle rack
- Easy-glide bottom rack
- Upper silverware rack
- One large utensil basket
- Fold-down tines on lower and middle racks

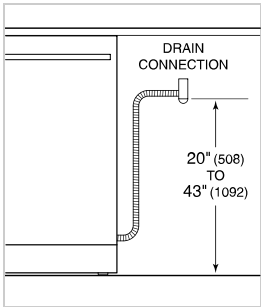
PRODUCT SPECIFICATIONS

Model	DW2451
Dimensions	23 5/8"W x 34 1/2"H x 23 1/4"D
Door Clearance	26 3/4"
Sound Level	41 dBA (Model and cycle/option dependent)
Electrical Supply	115 VAC, 60 Hz
Electrical Service	15 amp dedicated circuit
Receptacle	3-prong grounding-type
Cord Length	6'
Water Connection	5' braided tubing with 3/8" female compression fitting
Drain Connection	5' (1.5 m) corrugated tubing
Plumbing Pressure	30–140 psi

ELECTRICAL



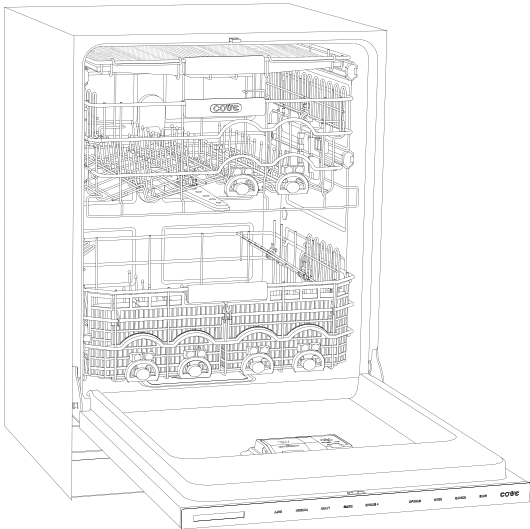
PLUMBING



COVE OPENING WIDTH Cove dishwashers accommodate varying opening widths. A 23 5/8" (60 cm) width provides minimum reveals and is ideal for new construction. A 24" width is also common; however, reveals for a 24" opening will be larger than the reveals for a 23 5/8" opening unless the panel width is adjusted accordingly. 24" and 60 cm stainless steel panels are available and must be specified accordingly.

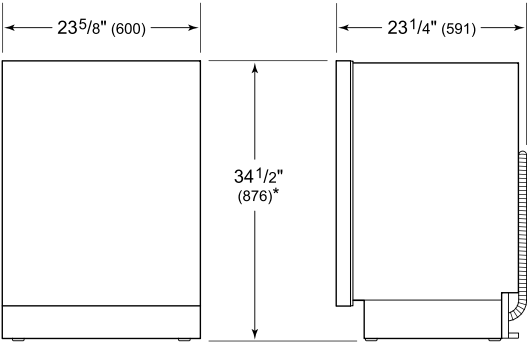
PANEL SPECIFICATIONS For complete panels specifications including width/height, weight requirements and thickness requirements visit subzero-wolf.com/reveal.

INTERIOR VIEW

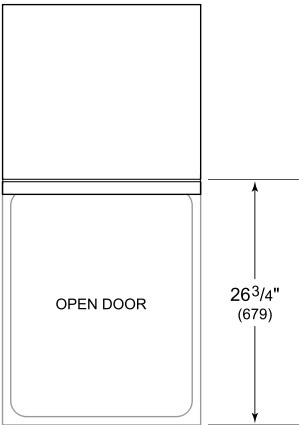


This illustration is intended for interior reference only and may not represent the exterior of the model being specified.

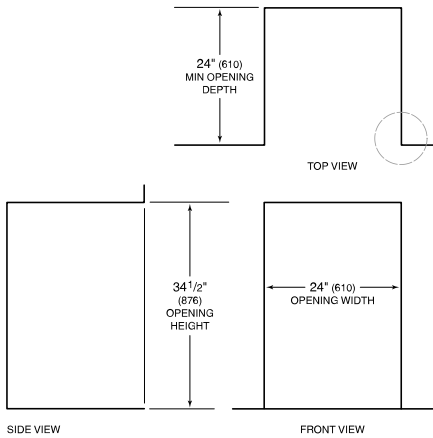
DIMENSIONS



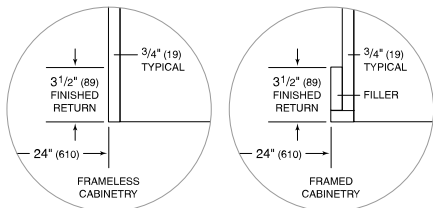
*33 3/4" (857) MIN TO 34 3/4" (883) MAX



24" INSTALLATION



NOTE: 3/2" (89) finished returns will be visible and should be finished to match cabinetry.



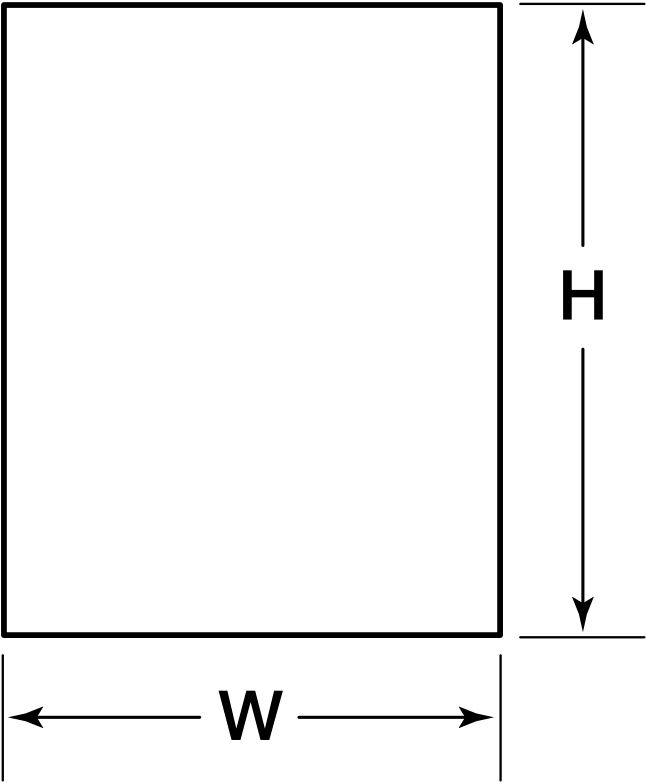
DW2451: Panel Specs Only, Custom Panel, 23 5/8" (60cm) Install**Specifications:**[Panel Specifications](#)[Panel Planning Notes](#)

DW2451

24" Dishwasher - Panel Ready

Panel Specifications

Single Model: DW2451



PANEL	WIDTH	HEIGHT	MIN THICKNESS	MAX WEIGHT
Door	23 ³ / ₈ "	30 ³ / ₈ "	¹ / ₂ "	20 lbs

Panel Planning Notes

Single Model: DW2451

The thickness of the custom panel can vary. A minimum 1/2" (13) thick panel is required, but the thickness can be increased provided it does not exceed the 20 lb weight limit (less than 18 lb is optimal).

The depth of each dishwasher is 23 1/4" (591). Allow for panel thickness when planning the finished opening depth.

Finish all sides of custom panels. They will be visible when the door is open.

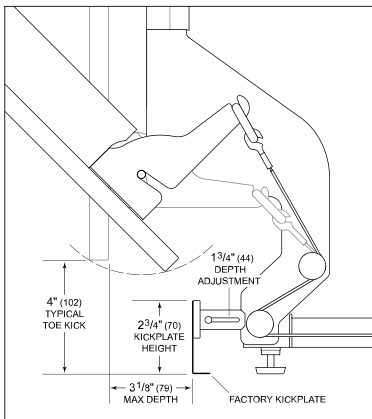
The panel dimensions are based on a 34 1/2" (876) opening, with a 4" (102) toe kick and 1/8" (3) top reveal. For all other opening and toe kick heights, adjust the panel accordingly. The minimum panel height is 28" (711). The minimum toe kick height is 4" (102).

Stainless steel tubular and pro handles are available through an authorized Sub-Zero dealer.

Minimum Panel Thickness

1/2"

Toe Kick Clearance



DW2451: Panel Specs Only, Custom Panel, 24" Install

Specifications:

[Panel Specifications](#)

[Panel Planning Notes](#)

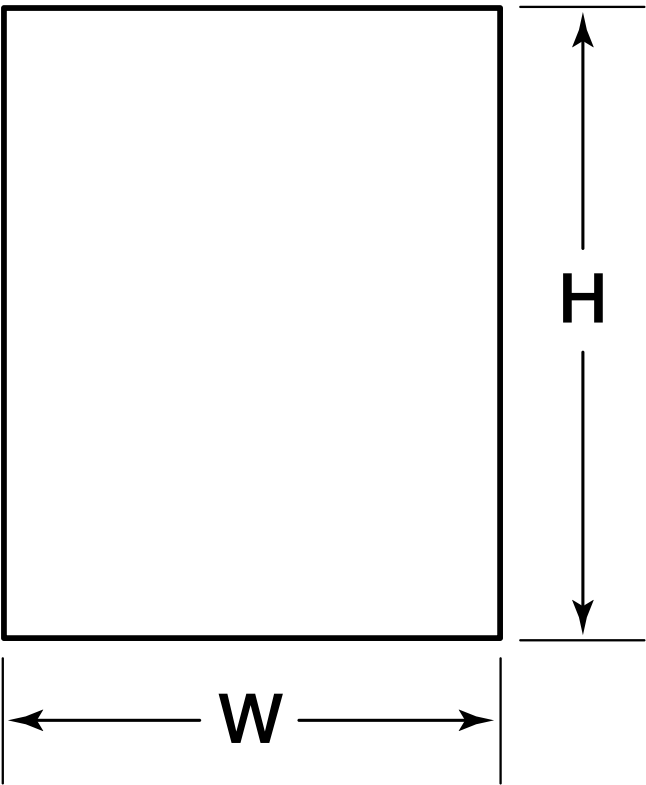


DW2451

24" Dishwasher - Panel Ready

Panel Specifications

Single Model: DW2451



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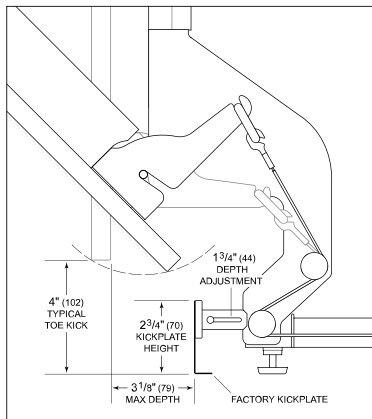
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Minimum Panel Thickness

1/2"

Toe Kick Clearance



MD24TE/S

FEATURES

Utilize 950 watts of power to cook meals with delicious results

Select from 10 power levels, a warming mode, and sensor cooking

Let the microwave do the cooking with intuitive Gourmet Mode settings

Fits a 9x13 pan and up to a 7" tall glass or dish for additional cooking flexibility

Install into surrounding cabinetry to coordinate with other Wolf built-in ovens and warming drawers

Installs can be lowered due to control panel lock providing extra safety

ACCESSORIES

Flush Inset Vent

Accessories available through an authorized dealer.

For local dealer information, visit subzero-wolf.com/locator.

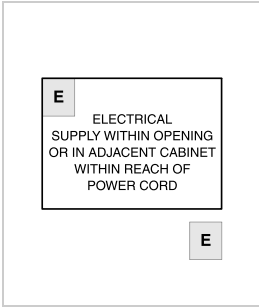




PRODUCT SPECIFICATIONS

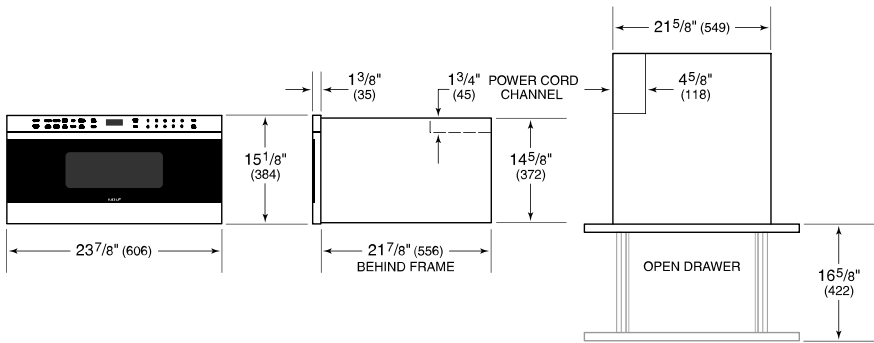
Model	MD24TE/S
Dimensions	23 7/8"W x 15 1/8"H x 21 7/8"D
Capacity	1.2 cu. ft.
Weight	99 lbs
Electrical Supply	120 VAC, 60 Hz
Electrical Service	15 amp dedicated circuit
Power Cord Length	4 Feet
Receptacle	3-prong grounding-type

ELECTRICAL

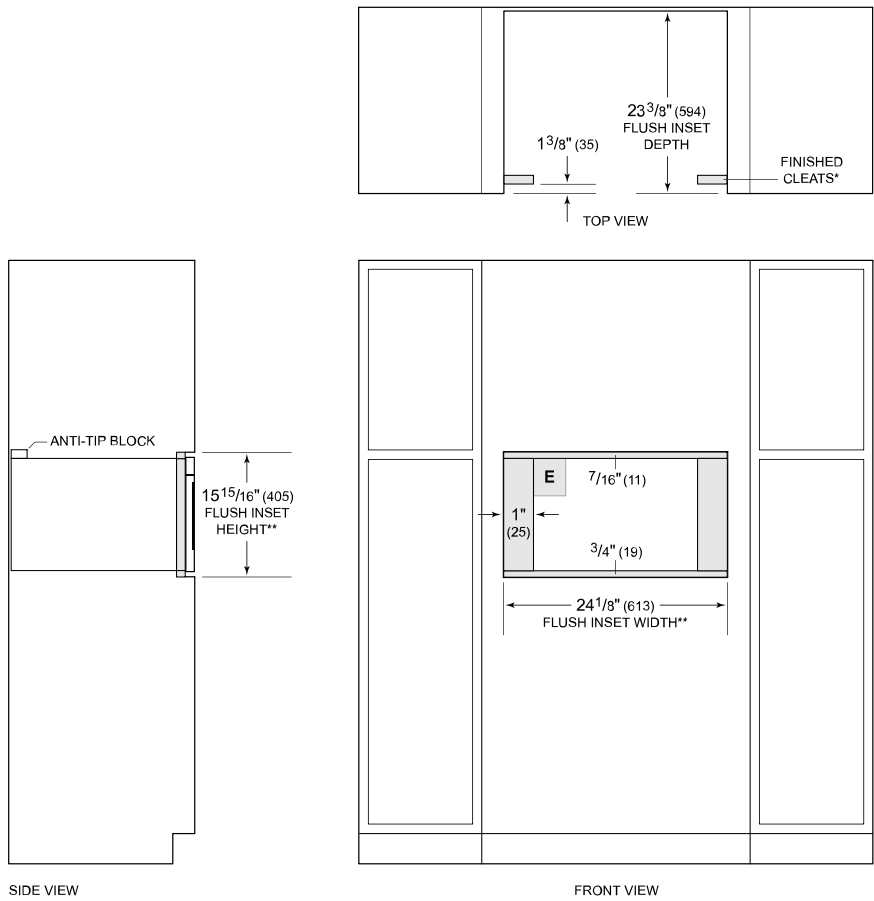


NOTE: Dimensions in parenthesis are in millimeters unless otherwise specified

DIMENSIONS



FLUSH INSTALLATION



*Will be visible and should be finished to match cabinetry.
**Dimension provides minimum reveals.

MD24TE/S

FEATURES

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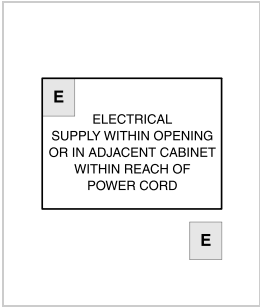




PRODUCT SPECIFICATIONS

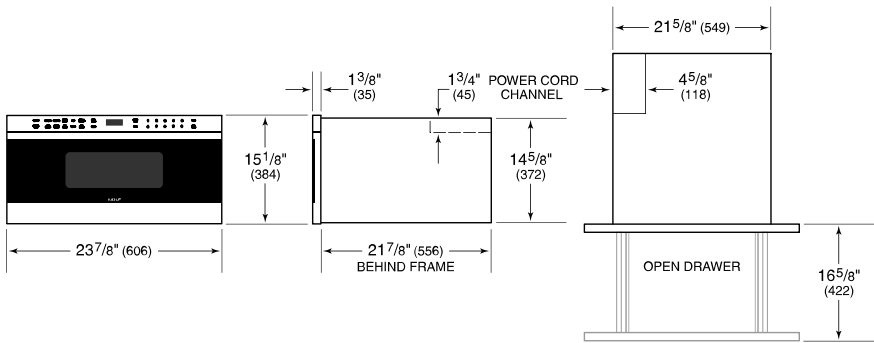
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ELECTRICAL

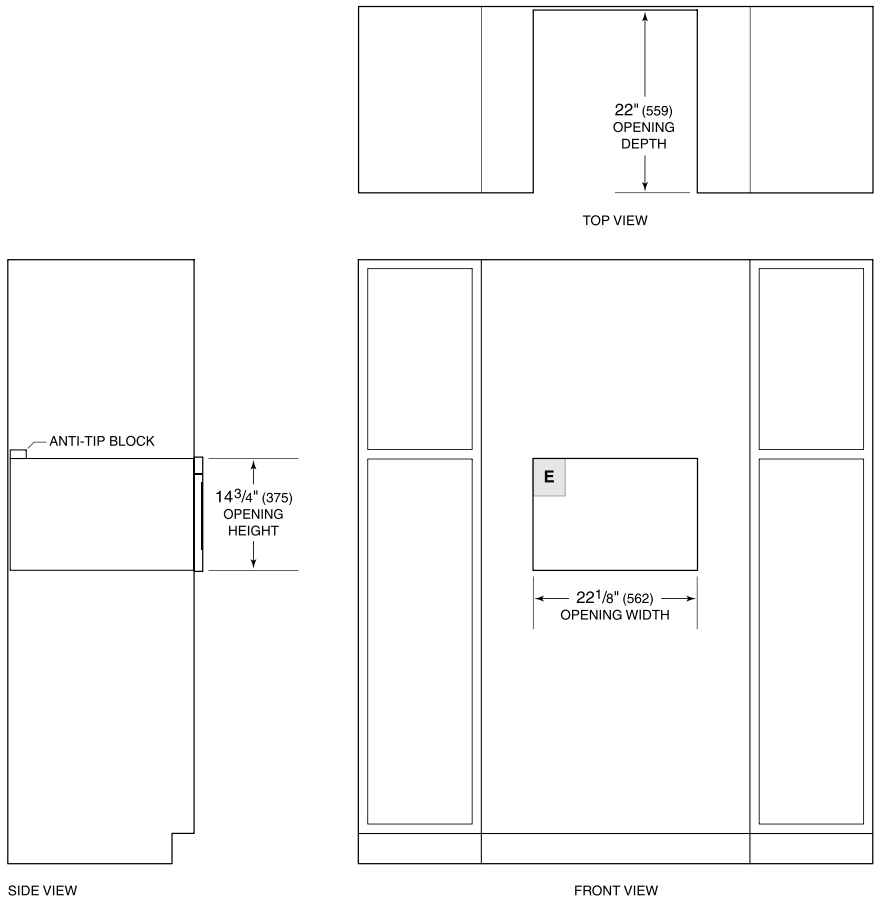


NOTE: Dimensions in parenthesis are in millimeters unless otherwise specified

DIMENSIONS



STANDARD INSTALLATION



PL461912

FEATURES

Breathe cleaner air and enjoy less greasy residue in your kitchen

Pair with pro power for custom vent needs

Conceal the ventilation with custom cabinetry

Adjust as needed with recessed controls that provide a sleeker look, yet maintain ultimate blower control

Matches the same heavy-duty stainless-steel construction, hand-finished hemmed edges, and welded seams of all Sub-Zero, Wolf, and Cove products

Select from internal, in-line, or remote blower options (blower required)

Illuminates your cooking area with LED lighting with two brightness settings

Rely on a heat safety sensor that automatically turns on the blower or increases its speed when exhaust temperatures exceed 200 degrees Fahrenheit

Minimizes the backward flow of cold air with backdraft transition

ACCESSORIES

Make-Up Air Damper

Inline Blowers

Internal Blowers

Remote Blowers

Accessories available through an authorized dealer.
For local dealer information, visit subzero-wolf.com/locator.



BLOWER OPTIONS

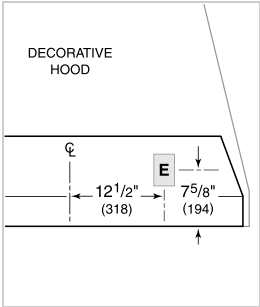
- 300 CFM Internal
- 400 CFM Internal
- 600 CFM Internal
- 800 CFM Internal
- 1200 CFM Internal
- 600 CFM Inline
- 1100 CFM Inline
- 600 CFM Remote
- 900 CFM Remote
- 1500 CFM Remote



PRODUCT SPECIFICATIONS

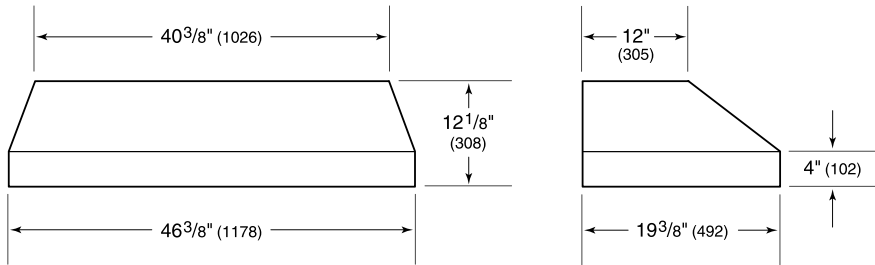
Model	PL461912
Dimensions	46 3/8"W x 12 1/8"H x 19 3/8"D
Weight	60 lbs
Electrical Supply	110/120 VAC, 60 Hz
Electrical Service	15 amp dedicated circuit
Discharge Location	Vertical
Discharge Dimensions	10" Round
Bottom of Hood to Countertop	30" to 36"

ELECTRICAL



NOTE: Dimensions in parenthesis are in millimeters unless otherwise specified

DIMENSIONS



URBV324 - 24" BEVERAGE CENTER

THE HOME COLLECTION

U-LINE



DESIGN

- Black full-depth interiors with stainless steel accents.
- Classic bar door pull on stainless steel model.
- Concealed, zero-clearance articulating door hinge.
- Panel-ready integrated doors, customizable with your panel and hardware, or choose from our accessory options.

FEATURES

- Built for both indoor & outdoor use, with condensation mitigation system.
- Carbon filter for enhanced air quality and odor reduction.
- Center cabinet vertical lighting: Complete illumination for full visibility throughout the entire interior.
- Door alarm activates when the door is left open.
- Effortless entry door: Minimizes the physical effort needed, enhancing ease of use for all family members.
- Electronic touch control enables precise temperature selection from 34°F to 70°F.
- Evenly distributed forced-air refrigeration system delivers rapid cool down and temperature stability.
- Field reversible door is shipped right-hand hinged.
- Four leveling legs adjustable up to 1 inch.
- Low-E coated, argon gas filled, double thermopane glass door provides protection from harmful UV light.
- Low-profile variable speed compressor ensures efficient and powerful cooling with a max output of 1,850 BTU/h.
- Sabbath Mode disables interior lights, alarms, and digital displays while maintaining consistent cooling performance.
- Six-color multi-point LED lighting in adjustable white: bright white, warm white, cool white, and light blue, deep blue, and teal.

STORAGE

- 5.1 cu. ft. capacity stores up to 168 12-oz cans or 84 cans and 14 wine bottles.
- Cantilever adjustment points for complete interior adaptability.
- One 3-in-1 convertible shelf that allows for glass, wine, or half-and-half configurations, one glass shelf, and one full-width retractable glass shelf that accommodates taller items on the shelf below.

CAPACITY

Volume	5.1 cu. ft.
Cans (12 oz)	168 / 84
Wine Bottles (750 mL)	14

DIMENSIONS

Product Depth	22 11/16" (57.6 cm)
Product Height (Min.)	34 1/8" (86.7 cm)
Product Width	23 1/2" (59.7 cm)
Product Weight	120 lbs
Shipping Depth	31" (78.7 cm)
Shipping Height	37" (94 cm)
Shipping Width	28" (71.1 cm)
Shipping Weight	140 lbs

CUSTOM PANEL DIMENSIONS

Panel Height	30" (76.2 cm)
Panel Thickness	3/4" (1.9 cm)
Panel Width	23 1/2" (59.5 cm)
Panel Weight (Max.)	20 lbs
Panel Type	2 3/4" (7 cm) frame or solid panel

SUSTAINABILITY

Refrigerant Type	R600a
GWP (Global Warming Potential)	3 (very low)
ENERGY STAR	Yes

TECHNICAL DETAILS

Cord Length	6 ft.
Electrical Requirements	115V / 60 Hz / 15A

WARRANTY

2 year parts & labor warranty / 6 year sealed system parts warranty (see complete warranty for details).



URBV324 - 24" BEVERAGE CENTER

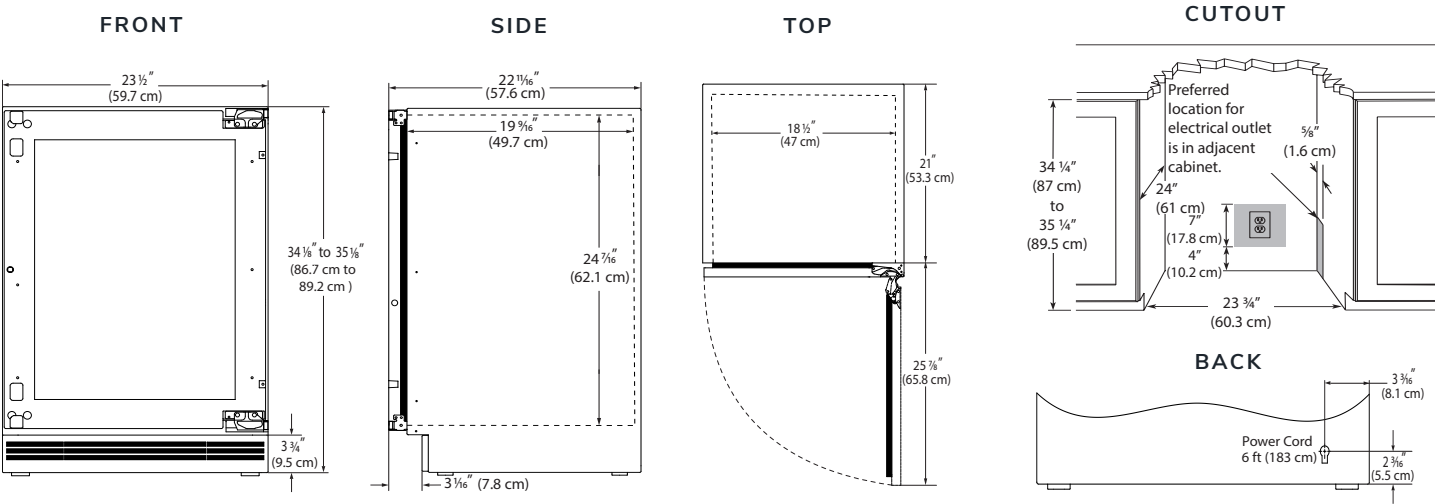
THE HOME COLLECTION

U-LINE

INSTALLATION

- No additional clearance is needed for ventilation.
- Do not obstruct front grille air flow.
- Requires 3/4" custom panel and handle (not supplied by U-Line).

PRODUCT DIMENSIONS



MODELS



URBV324-IG01A
Integrated Frame Glass



URBV324-IS01A
Integrated Solid



URBV324-SG01A
Stainless Steel Frame Glass

ACCESSORIES



ULASBPGLASS24 (Frame)
ULASBPSOLID24 (Solid)
Stainless Steel Door Wrap
with Classic Bar Pull

Integrated Panel Dimensions

Metric measurements rounded and optimized.

INTEGRATED PANEL

NOTICE

Due to differences in surrounding cabinetry the panel may not perfectly align with door. The procedure below is designed to provide a finished integrated panel that seamlessly integrates with surrounding cabinetry.

Panel Preparation

A full integrated door panel completely covers the door frame and provides a built-in appearance.

NOTICE

The door panel must not weigh more than 20 lbs (10 kg).

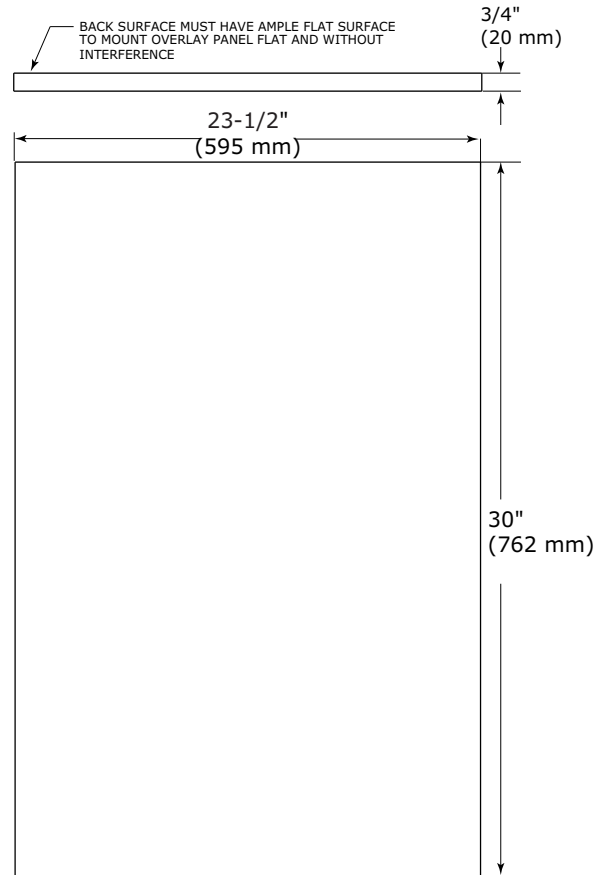
It is important to ensure that all drilled holes are drilled to the correct depth in order to avoid splits in the wood when hardware is installed.

1. Cut the panels to the dimensions listed in the appropriate diagram below.
2. Optional: Stain or finish panel to desired stain or color. Be sure to closely follow the instructions provided by the manufacturer.
3. Optional: Install handles and hardware.

NOTICE

When applying an integrated panel to a unit, ensure that both sides are finished in order to prevent warping. In some overlay panel/frame installations, the panel may be visible through the glass while the door is open.

Integrated Panel Dimensions



Integrated Panel

HANDLELESS INTEGRATED DOOR PANEL

The following procedure is designed to provide a finished, handleless solid panel for a 24" (600 mm) door that seamlessly integrates with its surrounding cabinetry.

NOTE: Many cabinet manufacturers provide a ready solution for a handleless, integrated design that can be easily applied to your model. Consult your cabinet manufacturer for applicable design and installation details. The cabinet manufacturer’s solution to this design and integration detail will often result in an integrated panel solution wherein the size of the panel may result in a height dimension taller than what we specify. This can be achieved provided the additional height is positioned above the appliance door.

NOTICE

The integrated panel aligns with the surrounding cabinetry and, due to differences in cabinetry, may not align perfectly with the door.

The appliance will need up to 34-1/2" (876 mm) to the underside of the counter to leave room for leveling adjustments.

A single prepared overlay with insert must not weigh more than 20 lbs (10 kg).

Integrated Panel Preparation

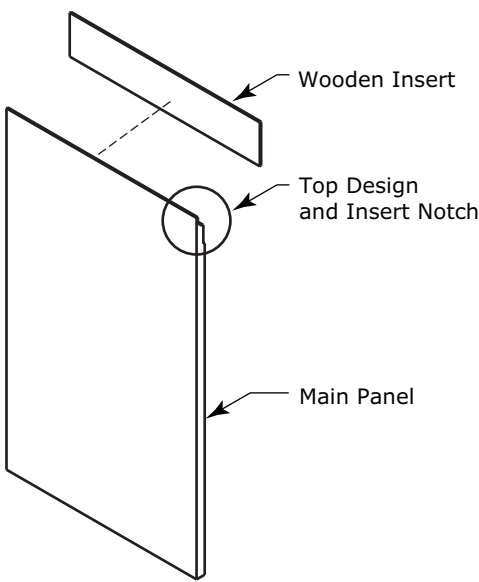
- 1. Cut the main panel to the appropriate dimensions below. For details, see the drawings on the next page.

Main panel width	Main panel height
23-1/2" (595 mm)	28-13/16" (732 mm)

- 2. Create the top design for the handleless feature and the 1/8" (3 mm) notch for the insert(s) indicated on the Top Detail drawing.

- 3. Prepare the insert(s) that will back up the handleless design. **Wooden Insert** – Cut 1/8" (3 mm) thick wooden insert(s) to the dimensions below.

Wooden insert width	Wooden insert height
23-1/2" (595 mm)	3-1/2" (89 mm)



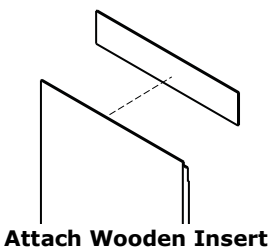
Integrated Panel

- 4. Optional: Stain or finish panel and wooden insert to desired stain or color. Be sure to closely follow the instructions provided by the manufacturer.

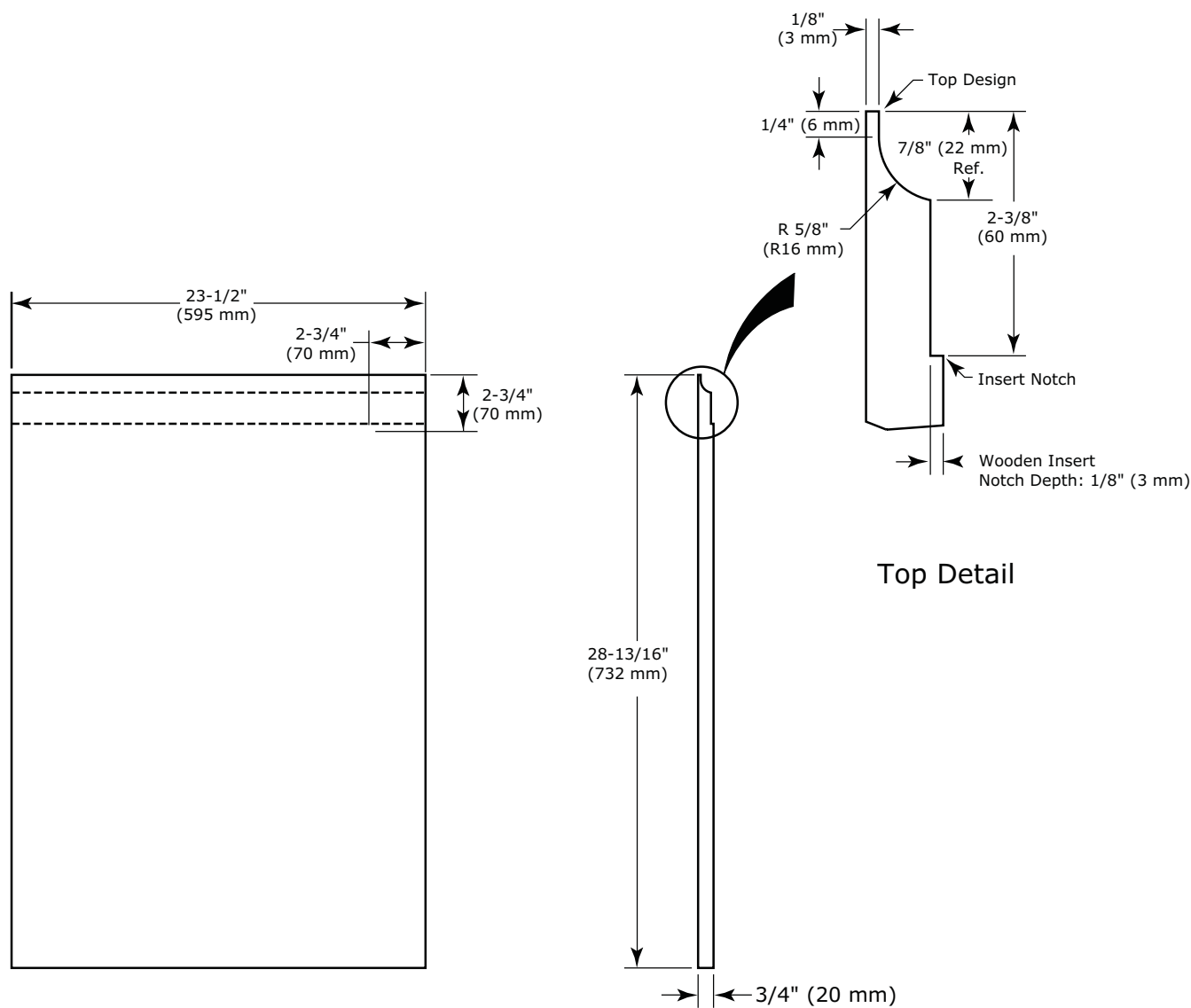
NOTICE

If finishing panel or wooden insert, all sides must be finished to prevent warping.

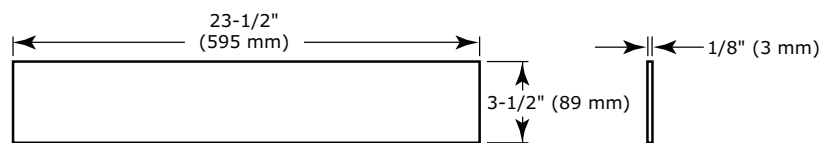
- 5. Attach the insert to the panel. Wood glue or equivalent adhesive should be used to attach insert to panel.



Handleless Integrated Panel Dimensions



Wooden Insert Dimensions



EXTENDED INTEGRATED PANEL

NOTICE

Due to differences in surrounding cabinetry the panel may not perfectly align with door. The procedure below is designed to provide a finished panel that seamlessly integrates with surrounding cabinetry.

Panel Preparation

An extended integrated panel can be used to maintain alignment with an adjacent extended cabinet height or a reduced toe-kick/grille application.

1. Cut the panels to the dimensions listed in the appropriate diagram on the next page.
2. Optional: Stain or finish panel to desired stain or color. Be sure to closely follow the instructions provided by the manufacturer.

3. Optional: Install handles and hardware.

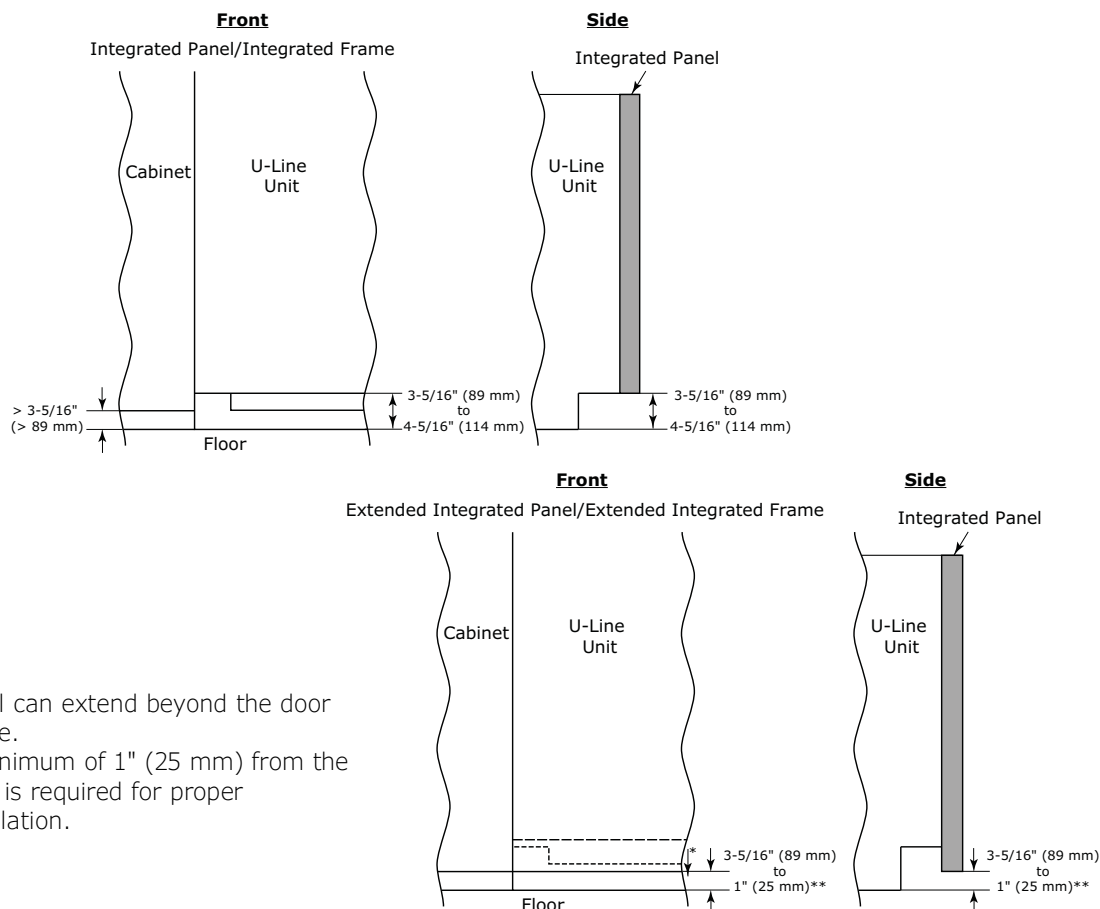
NOTICE

The door panel must not weigh more than 20 lbs (10 kg).

It is important to ensure that all drilled holes are drilled to the correct depth in order to avoid splits in the wood when hardware is installed.

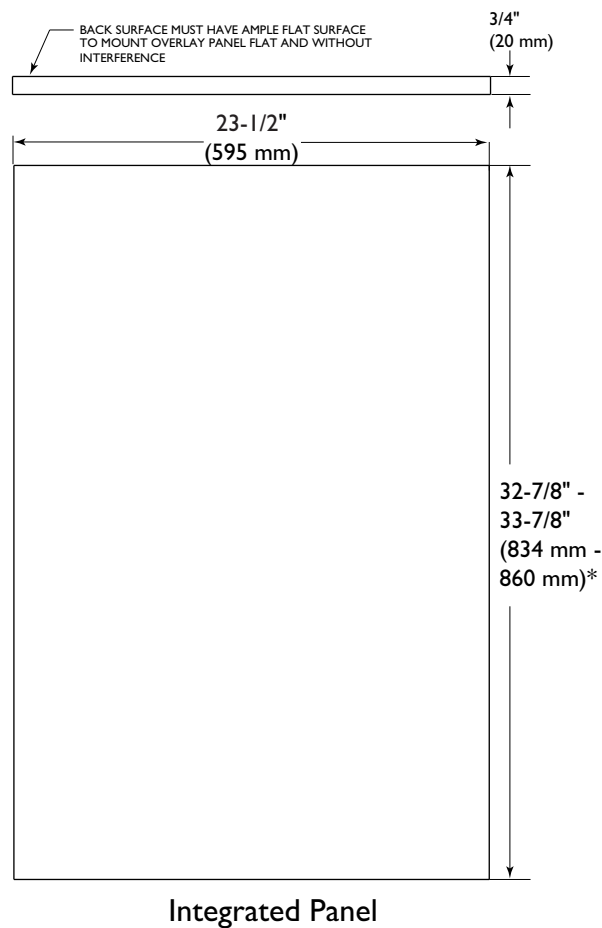
Appliance will need up to 34-1/2" (876 mm) to the underside of the counter to leave room for leveling adjustments.

When applying an integrated panel to a unit, ensure that both sides are finished in order to prevent warping. In some installations, the panel may be visible through the glass while the door is open.



- * Panel can extend beyond the door frame.
- ** A minimum of 1" (25 mm) from the floor is required for proper ventilation.

Extended Integrated Panel Dimensions



* A minimum of 1" (25 mm) is required from the floor to the bottom of the extended integrated panel/frame for proper ventilation.



Single Unit LG WashTower™ with Center Control™
5.0 cu. ft. Front Load Washer and 7.8 cu. ft. Electric
Ventless Heat Pump Dryer

- Mega Capacity 5.0 cu. ft. Washer and 7.8 cu. ft. Dryer
Single Unit Ventless WashTower™ Design
Advanced Washing: TurboWash® 360°
Built-In Intelligence: AI Fabric Sensor / Infrared Sensor / Smart Pairing™
Dual Inverter HeatPump™ Technology & Inverter Direct Drive Motor System

AVAILABLE COLORS

- WHITE
BLACK STEEL



Proactive Smart Alerts to Keep
Your Appliances Running Smoothly

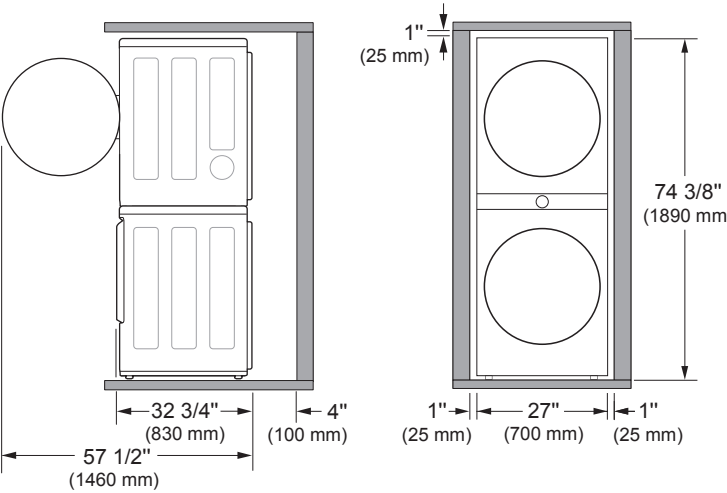
ThinQ Care

- Preventative Alerts help you stay a step ahead of potential issues to find proactive solutions before problems arise.
- Avoid preventable repairs and service calls with real-time diagnostics for a hassle-free experience.
- Integrated within LG's ThinQ app—a smart home hub for managing your smart devices and appliances.



SUMMARY	Washer	Dryer	FABRIC CARE FEATURES	Washer	Dryer	SMART FEATURES (ThinQ Technology)	Washer	Dryer
Type	Single Unit Front Load Washer and Dryer		AI DD®	Yes	-	Smart Diagnosis (v3.0)	Yes	Yes
Vent Type	-	Ventless	TurboWash® 360 Technology	Yes	-	Wi-Fi	Yes	Yes
Dryer Type	-	Heat Pump	Steam Technology	Yes	-	ThinQ Up	Yes	Yes
Capacity (cu. ft.)	Washer 5.0 cu. ft. / Dryer 7.8 cu. ft.		Allergiene® Cycle	-	-	Remote Start/Cycle Monitor	Yes	Yes
Color	Black Steel (B), White (W)		Sanitary Cycle	-	-	Energy Monitoring	Yes	Yes
ENERGY			AI Sensor Dry	-	Yes	Tub Clean Coach	Yes	-
ENERGY STAR® Most Efficient		Yes	AI Sensor Dry 2.0 (with IR Sensor)	-	Yes	MOTOR AND AGITATOR		
ENERGY STAR® Certified	Yes	Yes	6 Motion Dry	-	Yes	Motor Type	Inverter Direct Drive Motor	
CEE Tier	Tier2	-	Sensor Dry	-	Yes	Axis	Horizontal	
IMEF	2.92	-	Precise Temperature Control with Variable Compressor	-	Yes	MATERIALS AND FINISHES		
IWF	2.9	-	APPEARANCE			NeveRust® Stainless Steel Drum	Yes	Yes
CEF	-	9.0	Touch Buttons	Yes	-	Aluminized Alloy Steel Drum	-	No
PROGRAMS			Full Touch Electronic Control Panel with LED Display	Yes	-	Control Panel	Plastic	
No. of Programs	6	6	Center Control®	Yes	-	Top Plate	Steel	
Wash Programs	Normal, Bedding, Delicates, Heavy Duty, Quick Wash, Downloaded	Normal, Bedding, Delicates, Heavy Duty, Small Load, Downloaded	CONVENIENCE FEATURES			Cabinet	Painted Steel	
OPTIONS			TrueBalance®	Yes	-	Door / Rim	Large Circle Chrome Rim	
No. of Options	9	8	Anti-Vibration System	Yes	-	Door Cover	Tinted Round Tempered Glass	
Options	TurboWash®, Steam, Extra Rinse, Pre-wash, Tub Clean®, Drum Light*, Control Lock*, Signal*, Wi-Fi* / Remote Start*	Wrinkle Care, More Time, Less Time, Condenser Care, Drum Light*, Control Lock*, Signal*, Wi-Fi* / Remote Start*	4 Tray Dispenser	Prewash, Main Wash (with liquid detergent cup), Bleach, Fabric Softener	-	All Available Colors	Black Steel (B), White (W)	
DETAILS			End of Cycle Signal	Yes	-	CERTIFICATION		
No. of Wash/Rinse Temps	5	-	LoadSense	Yes	-	AAFA	No	No
Wash/Rinse Temps	Hot, Very Warm, Warm, Cool, Cold	-	Control Lock	Yes	-	POWER SOURCE		
No. of Spin Speeds	5	-	Auto Suds Removal	Yes	-	Ratings	CSA Listed	-
Spin Speeds	High, Medium/High, Medium, Low, No Spin	-	Leveling Legs	4 Adjustable Legs	-	Electrical Requirements	120V, 10 Amps	240V, 830W or 208V, 820W 15 Amp Circuit
Max RPM	1300	-	Drum Light	Yes	-	Type	Electric	Heat Pump
Water Levels	Load Sensing	-	Wrinkle Care Option	-	Yes	BTU Rating	-	Heat Pump : N/A
No. of Soil Levels	5	-	Control Lock	-	Yes	Plug	Yes	No
Drying Levels	-	Very, More, Normal, Less, Damp	Venting Option	-	-	Plug Type	3 prong	4-Wire or 3-Wire (Homes built after 1996 require 4-Wire)
Dry Mode	-	Energy Saver, Normal, Speed	4 Adjustable Legs	-	Yes	OPTIONS/ACCESSORIES		
Manual Dry Times	-	30 - 70 mins. (10 min. increments)	Remaining Time Display/Status Indicator(s)	-	Yes	LP Conversion Kit	-	N/A
			Lint Filter	-	Yes	LIMITED WARRANTY		
			Auto Cleaning Condensor	-	Yes	Parts and Labor	1 Year	1 Year
						Direct Drive Motor	10 Years	-
						Drum	3 Years	3 Years
						Inverter Compressor & Motor	-	10 Years
						UPC CODES		
						WKHC252HBA (Black Steel)	195174072370	
						WKHC252HWA (White)	195174072318	

DIMENSION / CLEARANCES

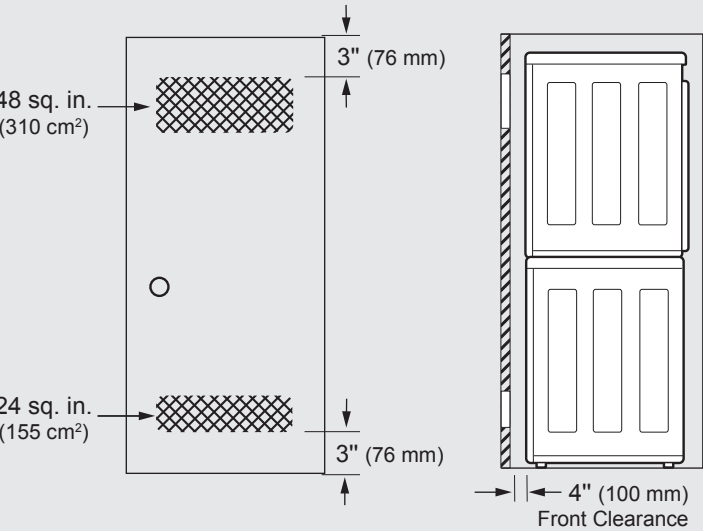


DIMENSIONS

Product (WxHxD)	27" x 74 3/8" x 32 3/4"
Depth with Door Open	57 1/2"
Carton Dimensions (WxHxD)	29 1/4" x 77 1/2" x 33 1/4"
Approx. Weight (Product / Carton)	353.0 lbs / 380.0 lbs

DIMENSION / CLEARANCES

To ensure sufficient clearance for water inlet hoses, drain hose and airflow, allow minimum clearances of at least 1" (2.5 cm) at the sides and 4" (10 cm) behind the appliance. Be sure to allow for wall, door, or floor moldings that may increase the required clearances.



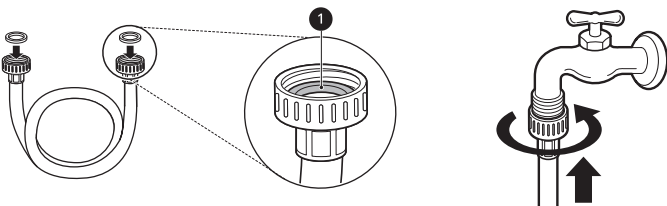
DIMENSION / CLEARANCES

Closet Ventilation Requirements

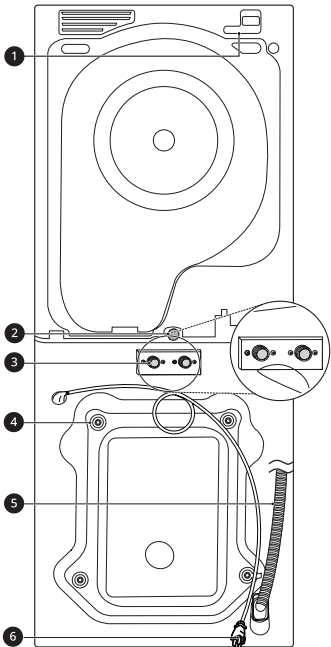
Closets with doors must have both an upper and lower vent to prevent heat and moisture buildup in the closet. One upper vent opening with a minimum opening of 48 sq. in. (310 cm²) must be installed no lower than 6 feet above the floor. One lower vent opening with a minimum opening of 24 sq. in. (155 cm²) must be installed no more than one foot above the floor. Install vent grills in the door or cut down the door at the top and bottom to form openings. Louvered doors with equivalent ventilation openings are also acceptable.

CONNECTING THE WATER INLET HOSE

- Check the fittings and seals. Inspect the threaded fitting on each hose and make sure there is a rubber seal ❶ in place in both ends of each hose to prevent leaking.
- Connect the water inlet hoses to the hot and cold water faucets tightly by hand and then tighten another 2/3 turn with pliers.
- Connect the blue hose to the cold water faucet and the red hose to the hot water faucet.



- ❶ Terminal Block Access Panel
- ❷ Dryer Drain Outlet (behind stacking bracket)
- ❸ Hot and Cold Water Inlets
- ❹ Shipping Bolts
- ❺ Drain Hose (for Washer)
- ❻ Power Cord (for Washer)



CL3050W/O



FEATURES

- Legacy product image shown; actual product varies slightly.
- Store reds and whites in separate temperature zones that keep wines at proper serving temperatures, within one degree of setpoint
- Offers any-occasion 146-bottle capacity
- Full-extension wine racks provide easy access to standard-size bottles, half bottles, and magnums without agitating others
- UV-resistant glass door shields wine from harmful light
- Inventory tile system aids collection organization
- Control your appliance from wherever you are using our convenient Owner's App—remotely control independent temperature zones, be notified of a door left ajar, or receive remote service diagnostics
- Sub-Zero offers an industry-leading full two-year warranty on appliances, along with a full five-year sealed system warranty

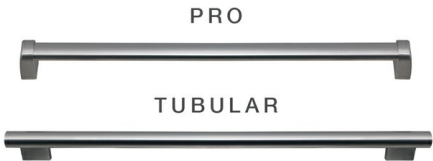
ACCESSORIES

- 30" Classic Series Bulk Storage Drawer
- 90° Door Stop
- Classic Series Dessert Wine Rack
- Custom Front Panel Mounting Kit
- Custom Side Panel Mounting Kit
- Grille Frame - 84"
- Lock Kit
- Pro Louvered Flush Inset Grille - 84"
- Stainless Steel Flush Inset Door Panel with Pro Handle
- Stainless Steel Flush Inset Door Panel with Tubular Handle
- Stainless Steel Flush Inset Grille Panel
- Stainless Steel Pro Louvered Grille - 84"
- Stainless Steel Side Panel
- Wine Inventory Tiles
- Wine Inventory Tiles - Writable
- Dual Installation Kits
- Stainless Steel Pro Handles
- Stainless Steel Tubular Handles
- Stainless Steel Kickplate

Accessories are available through an authorized dealer.
For local dealer information, visit subzero-wolf.com/locator.



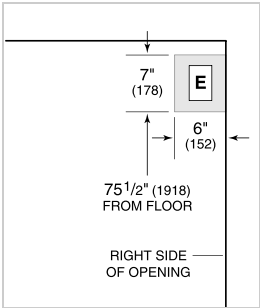
HANDLE ACCESSORIES



PRODUCT SPECIFICATIONS

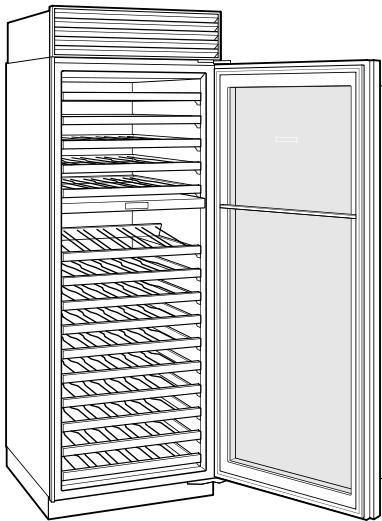
Model	CL3050W/O
Dimensions	30"W x 84"H x 24"D
Weight	475 lbs
Electrical Supply	115 VAC, 60 Hz
Electrical Service	15 amp dedicated circuit
Wine Storage Capacity	146 Bottles

ELECTRICAL



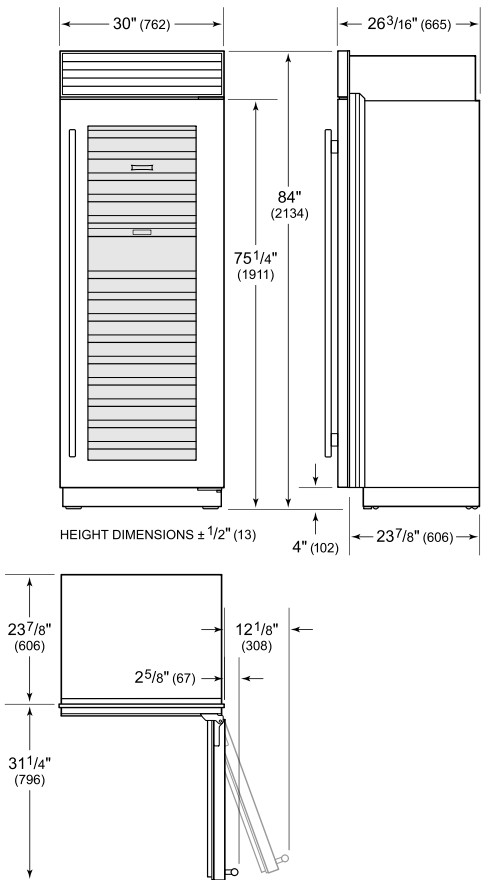
NOTE: Dimensions in parenthesis are in millimeters unless otherwise specified

INTERIOR VIEW

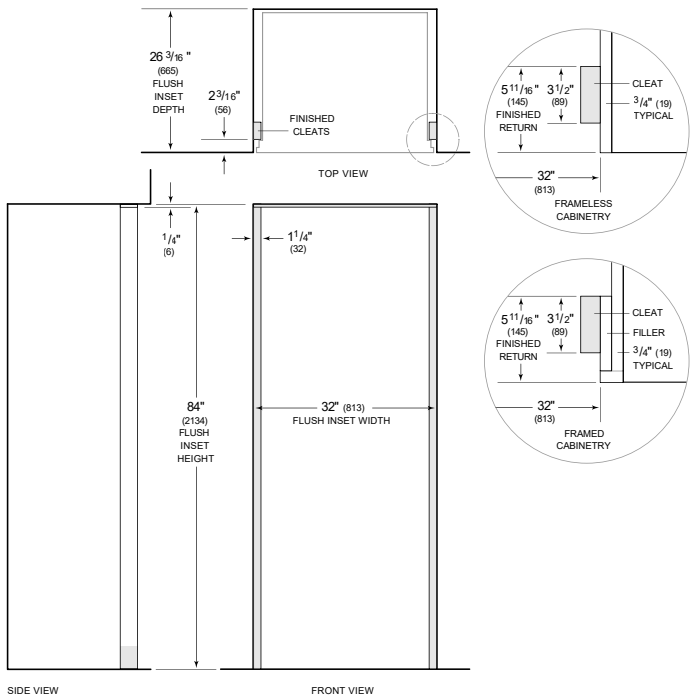


This illustration is intended for interior reference only and may not represent the exterior of the model being specified.

DIMENSIONS



FLUSH INSET INSTALLATION



NOTE: 3 1/2" (89) finished returns and shaded areas will be visible and should be finished to match cabinetry. Shaded line represents profile of unit with 1/4" (19) panel.

CL3050W/O



FEATURES

- Legacy product image shown; actual product varies slightly.
- Store reds and whites in separate temperature zones that keep wines at proper serving temperatures, within one degree of setpoint
- Offers any-occasion 146-bottle capacity
- Full-extension wine racks provide easy access to standard-size bottles, half bottles, and magnums without agitating others
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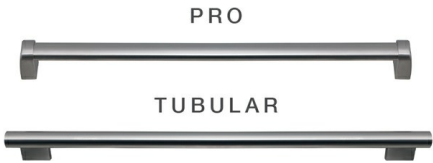
ACCESSORIES

- 30" Classic Series Bulk Storage Drawer
- 90° Door Stop
- Classic Series Dessert Wine Rack
- Custom Front Panel Mounting Kit
- Custom Side Panel Mounting Kit
- Grille Frame - 84"
- Lock Kit
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- Wine Inventory Tiles - Writable
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- Stainless Steel Tubular Handles
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Accessories are available through an authorized dealer.
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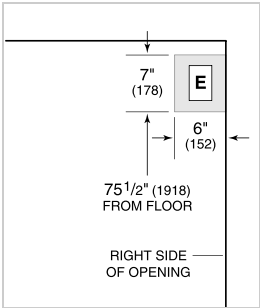
HANDLE ACCESSORIES



PRODUCT SPECIFICATIONS

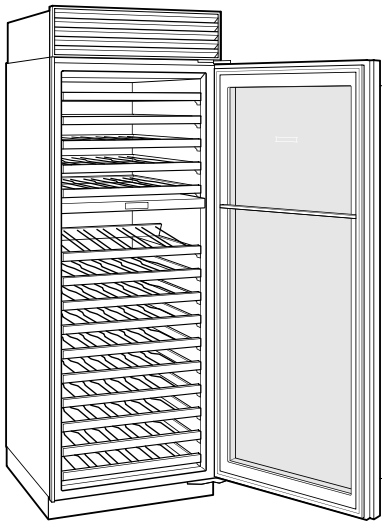
Model	CL3050W/O
Dimensions	30"W x 84"H x 24"D
Weight	475 lbs
Electrical Supply	115 VAC, 60 Hz
Electrical Service	15 amp dedicated circuit
Wine Storage Capacity	146 Bottles

ELECTRICAL



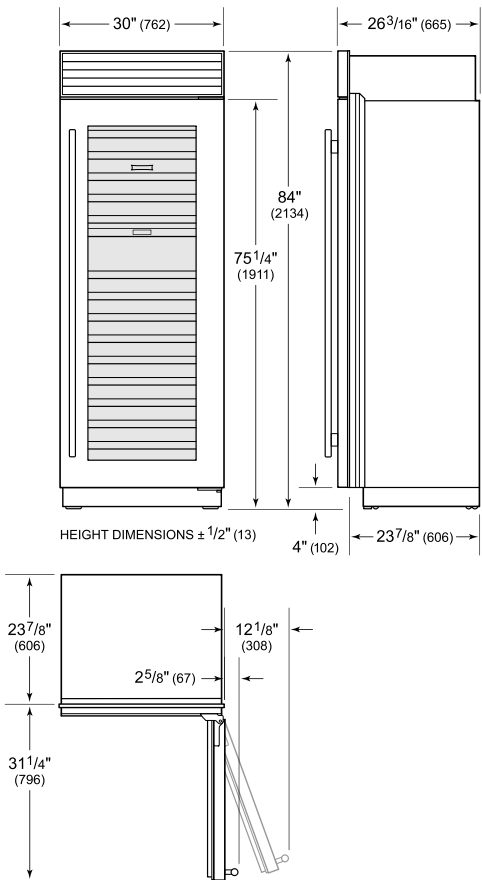
NOTE: Dimensions in parenthesis are in millimeters unless otherwise specified

INTERIOR VIEW

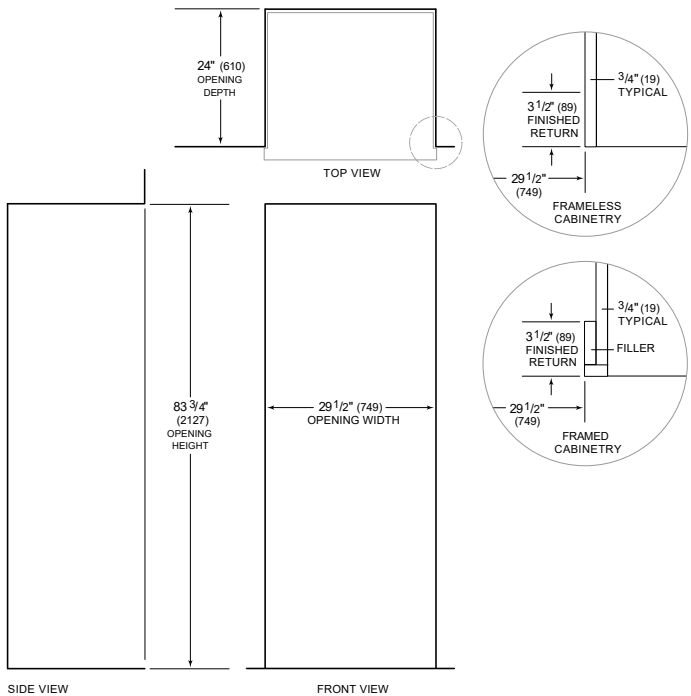


This illustration is intended for interior reference only and may not represent the exterior of the model being specified.

DIMENSIONS



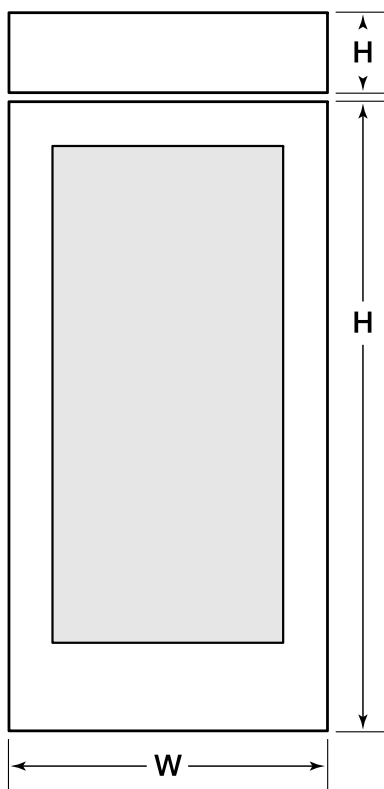
STANDARD INSTALLATION



NOTE: 3 1/2" (89) finished returns will be visible and should be finished to match cabinetry. Shaded line represents profile of unit.

Panel Specifications

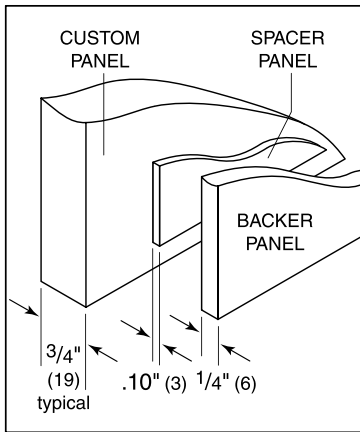
Single Model: CL3050W/O



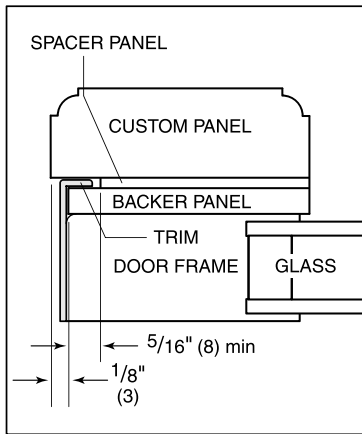
PANEL	FRONT	SPACER	BACKER	MAX WEIGHT
Door	$31''$ W $71 \frac{1}{4}''$ H	$29 \frac{1}{8}''$ W $70 \frac{7}{16}''$ H	$29 \frac{3}{4}''$ W $71 \frac{1}{16}''$ H	75 lbs
Grille	$31''$ W $7 \frac{3}{4}''$ H	$29 \frac{1}{8}''$ W $6 \frac{13}{16}''$ H	$29 \frac{3}{4}''$ W $7 \frac{7}{16}''$ H	13 lbs
TOP RAIL	BOTTOM RAIL		STILES	
$5 \frac{3}{4}''$	$5 \frac{1}{4}''$		$5 \frac{3}{4}''$	

Panel Planning Notes

Single Model: CL3050W/O



Panel assembly (rear view).



Panel assembly (cross section).

The flush inset application is an overlay model with flush inset panels. It is not a separate model.

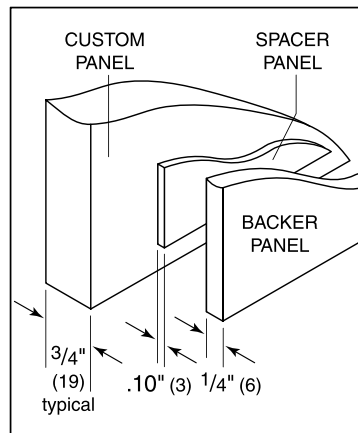
The flush inset design allows custom panels to be installed flush with adjacent cabinets. Similar to overlay, flush inset panels are typically created by combining a 3/4" (19) custom panel, a .10" (3) spacer panel and a 1/4" (6) backer panel.

For flush inset panels thicker than 3/4" (19), a 90° door stop may be required to prevent interference with adjacent cabinets.

For classic stainless steel models with professional handles, Sub-Zero does not recommend installing over-and-under models next to column models (includes wine) as the handles will not line-up. This does not apply to stainless steel panels with tubular handles or custom panel installations.

Minimum Panel Thickness

3/4"



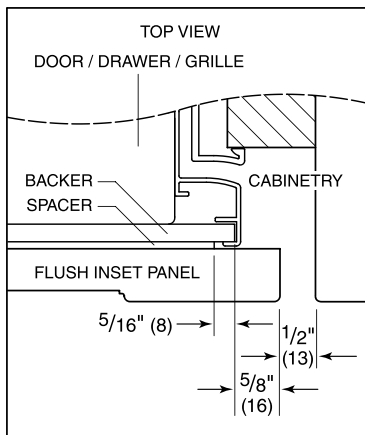
Panel assembly (rear view).

Standard Handle Lengths (Optional)

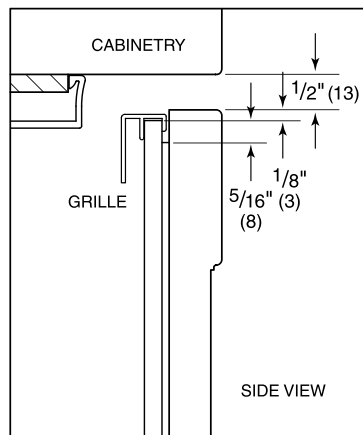
HANDLE	TUBULAR	PRO
CL3050W/O Door	60 3/4"	59 11/16"

Panel Offsets

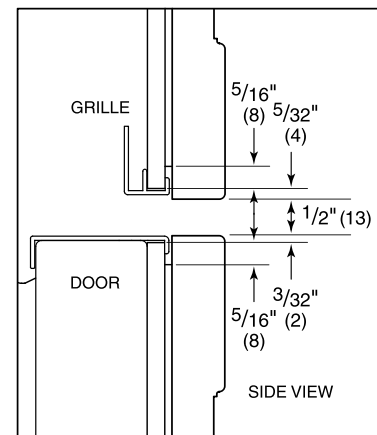
Single Model: CL3050W/O



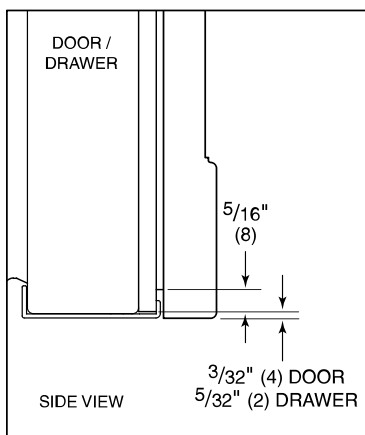
Door (hinge) / Drawer / Grille Sides



Grille Top



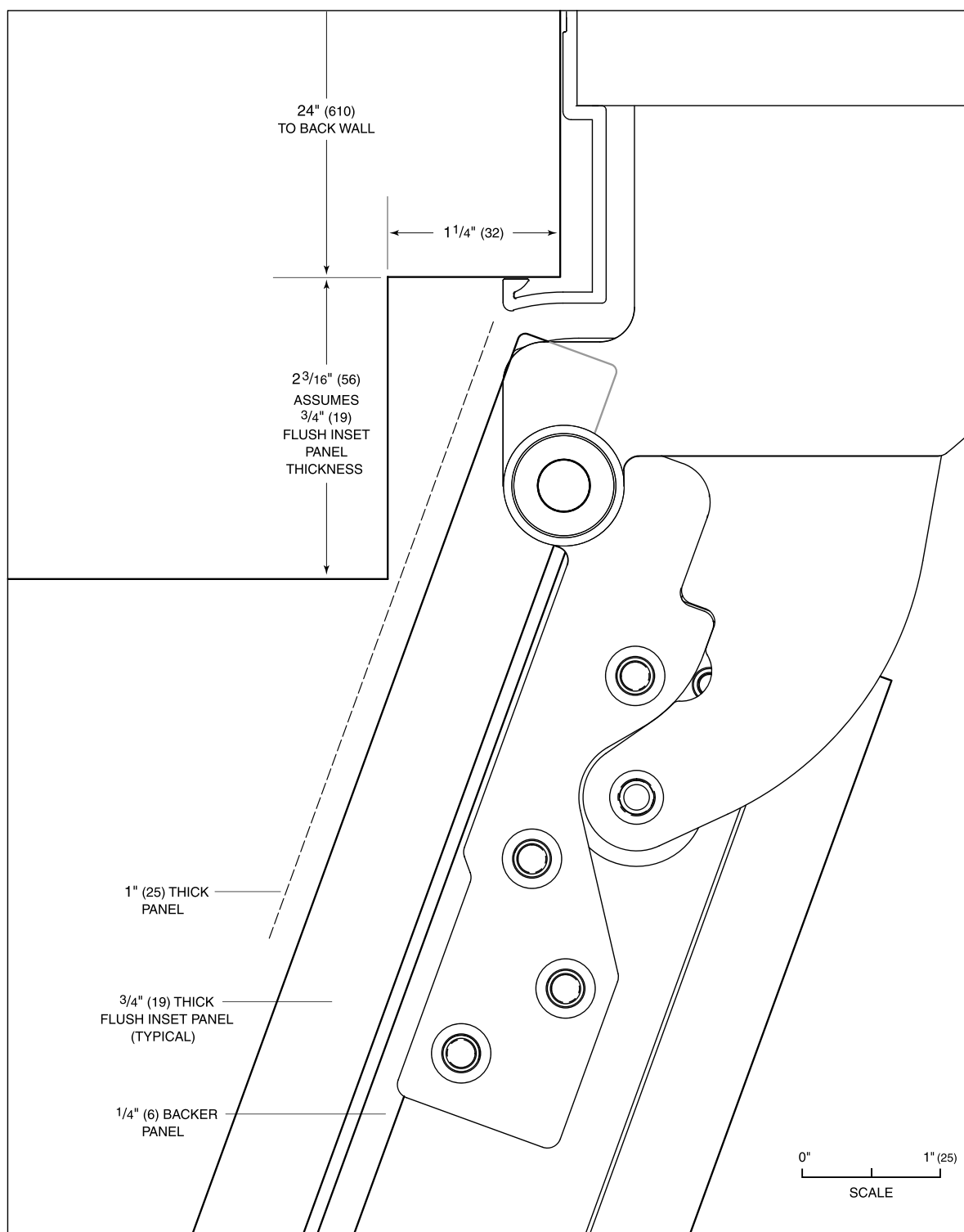
Grille Bottom / Door Top



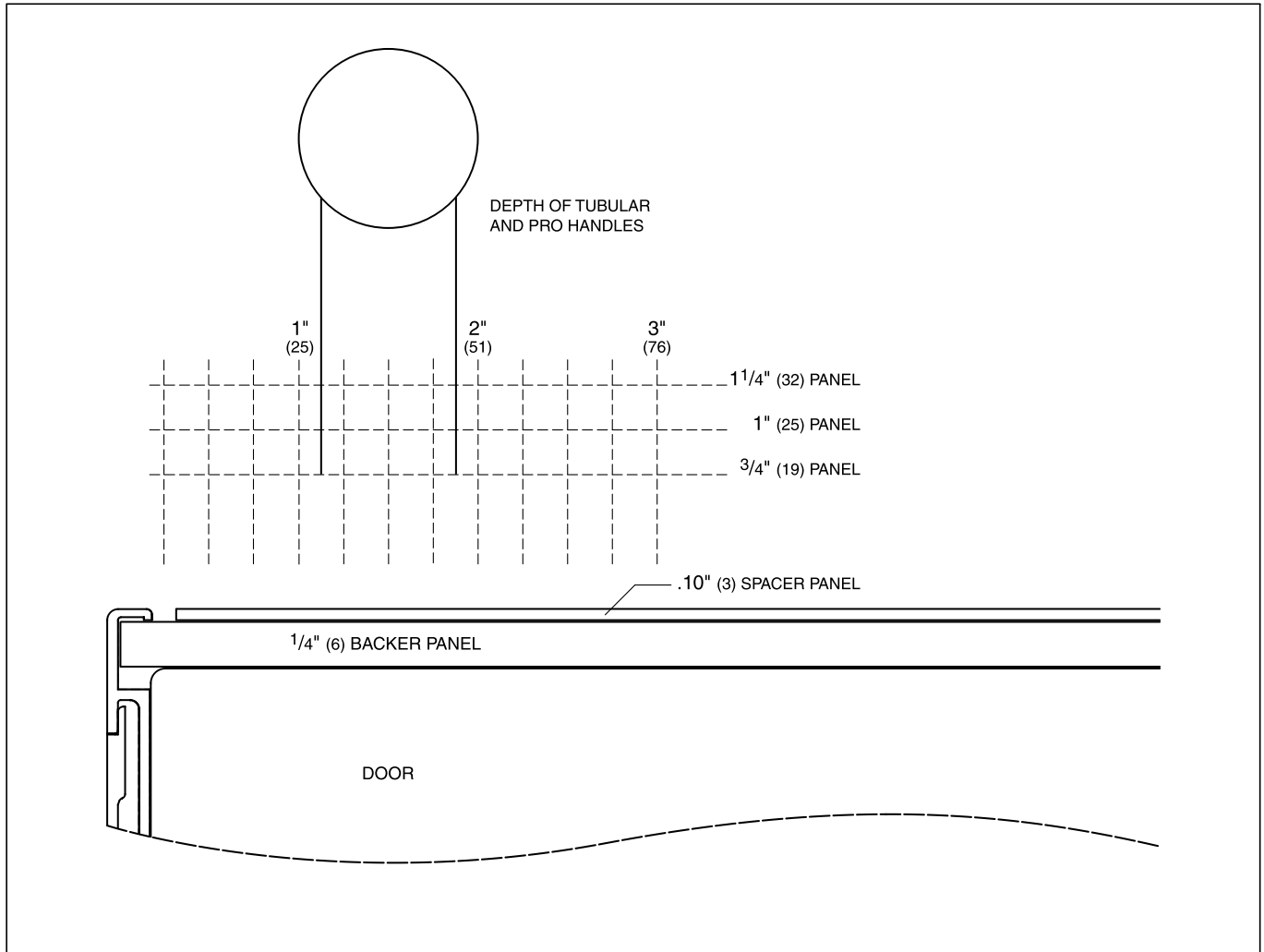
Door/Drawer Bottom

Templates

Single Model: CL3050W/O



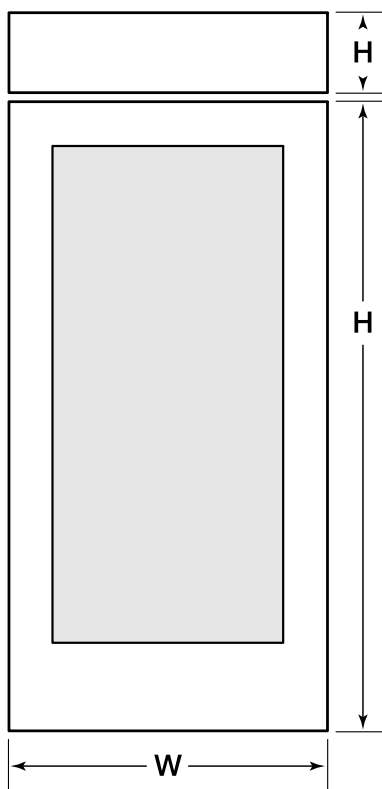
Flush inset application—110° door opening (top view).



Overlay and flush inset panel thickness.

Panel Specifications

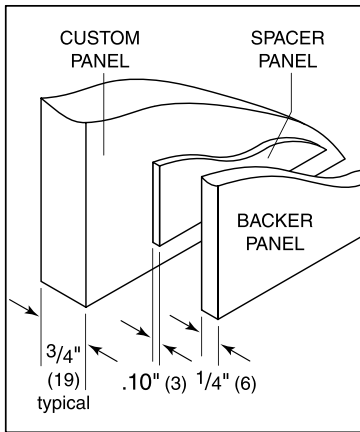
Single Model: CL3050W/O



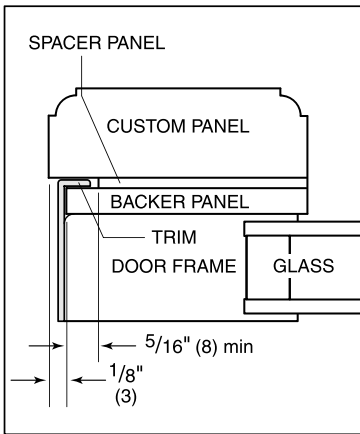
PANEL	FRONT	SPACER	BACKER	MAX WEIGHT
Door	$30''$ W $71 \frac{1}{4}''$ H	$29 \frac{1}{8}''$ W $70 \frac{7}{16}''$ H	$29 \frac{3}{4}''$ W $71 \frac{1}{16}''$ H	75 lbs
Grille	$30''$ W $7 \frac{3}{4}''$ H	$29 \frac{1}{8}''$ W $6 \frac{13}{16}''$ H	$29 \frac{3}{4}''$ W $7 \frac{7}{16}''$ H	13 lbs
TOP RAIL	BOTTOM RAIL		STILES	
$5 \frac{1}{4}''$	$5 \frac{1}{4}''$		$5 \frac{1}{4}''$	

Panel Planning Notes

Single Model: CL3050W/O



Panel assembly (rear view).



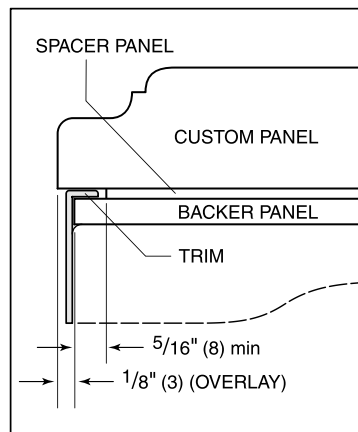
Panel assembly (cross section).

Overlay panels are typically created by combining a 3/4" (19) custom panel, a .10" (3) spacer panel and a 1/4" (6) backer panel.

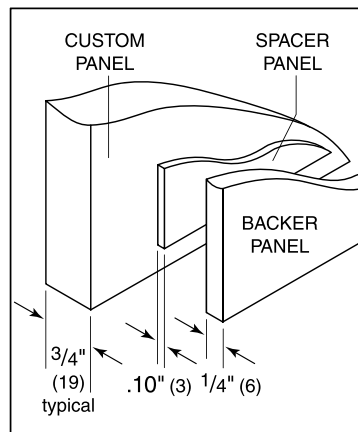
For classic stainless steel models with professional handles, Sub-Zero does not recommend installing over-and-under models next to column models (includes wine) as the handles will not line-up. This does not apply to stainless steel panels with tubular handles or custom panel installations.

Minimum Panel Thickness

5/8"



Panel assembly (cross section).



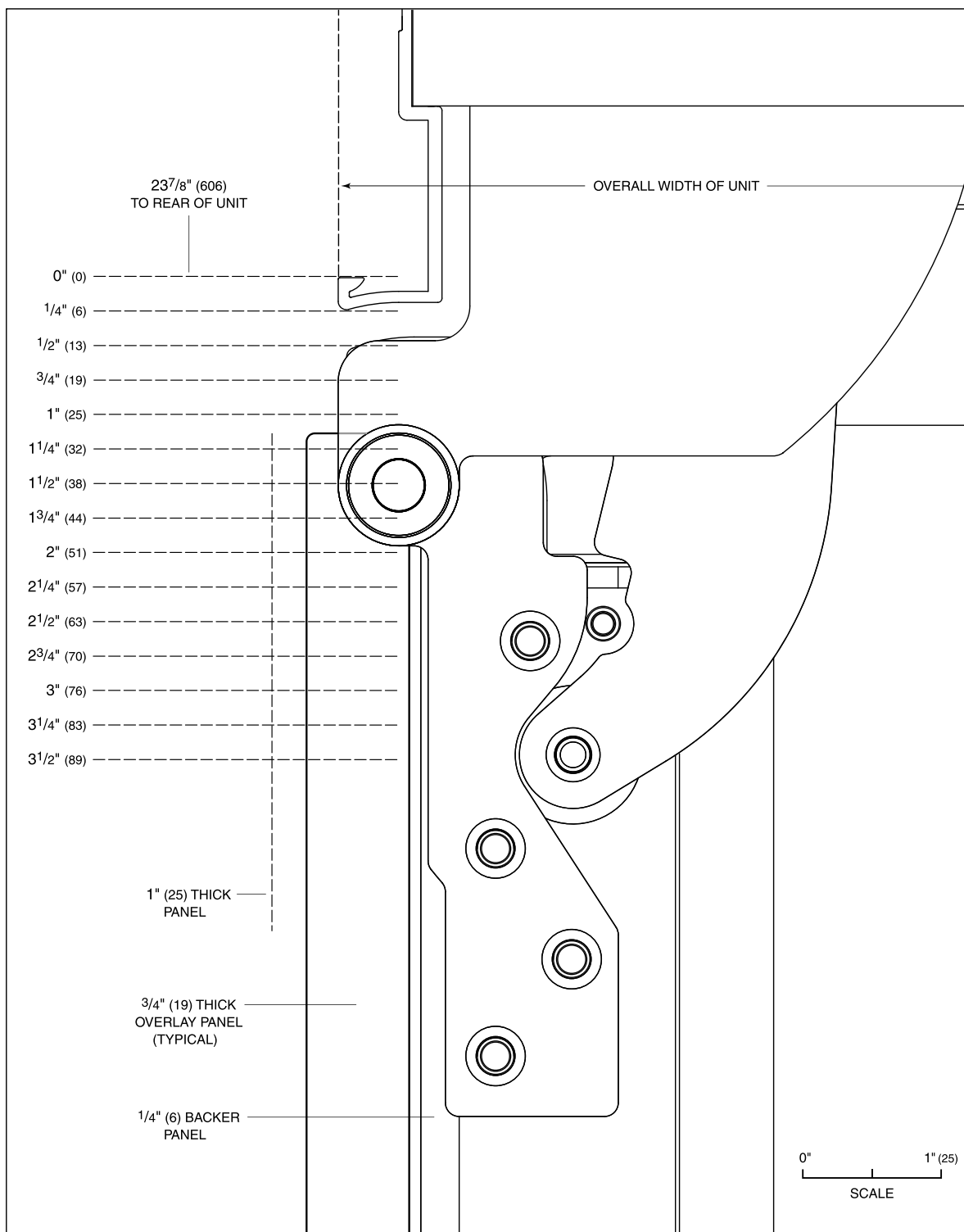
Panel assembly (rear view).

Standard Handle Lengths (Optional)

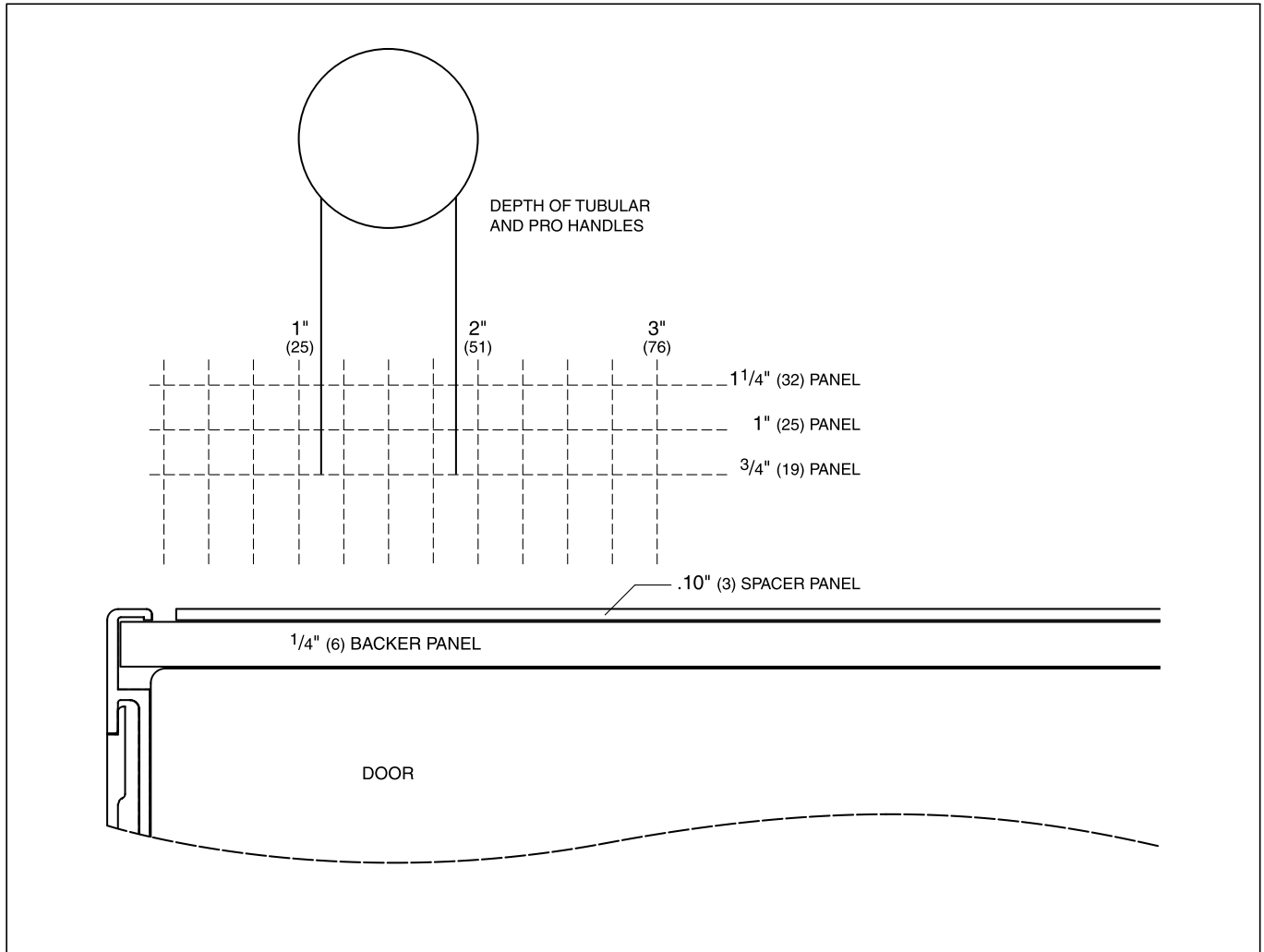
HANDLE	TUBULAR	PRO
CL3050W/O Door	60 3/4"	59 11/16"

Templates

Single Model: CL3050W/O



Overlay application—90° door opening (top view).



Overlay and flush inset panel thickness.