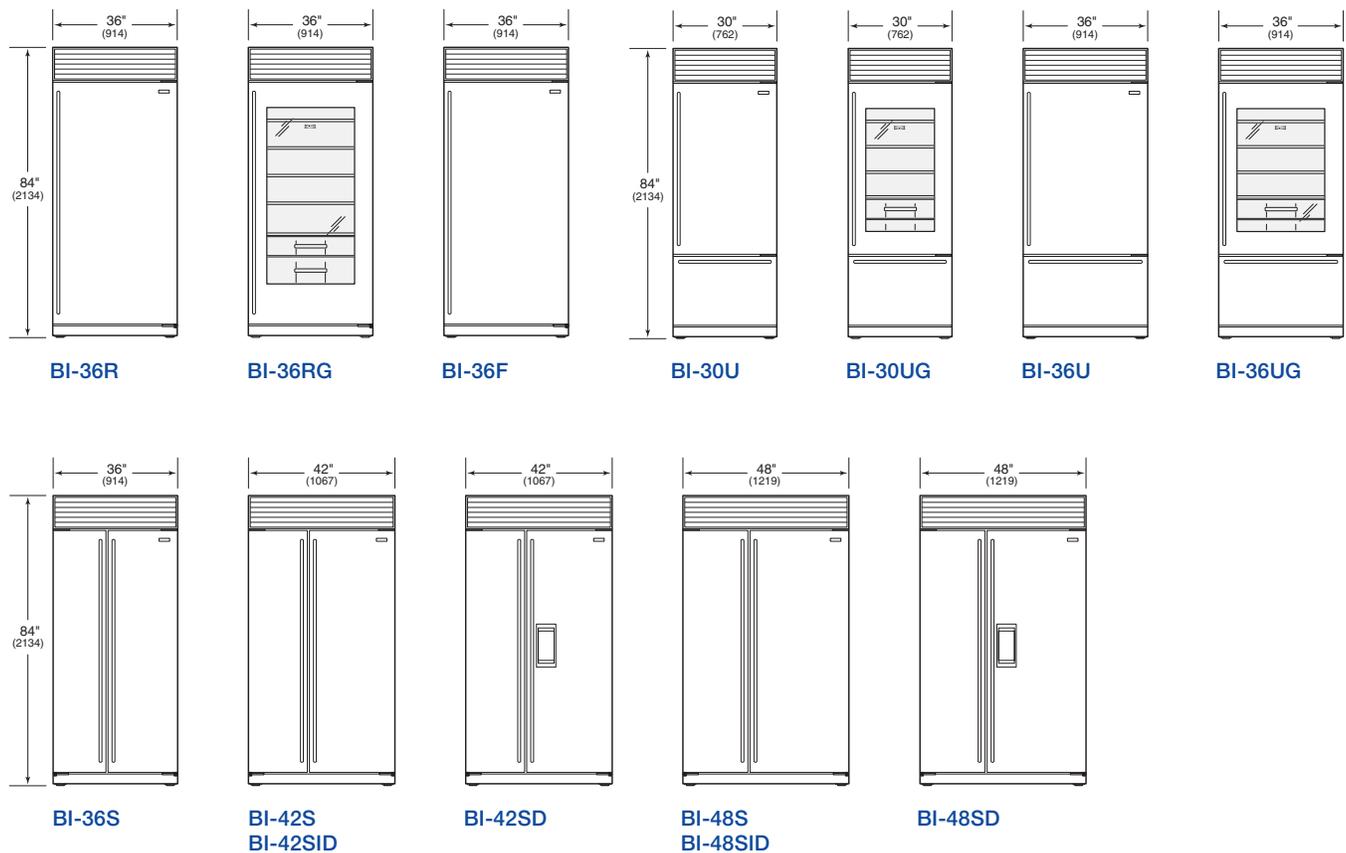# SUB-ZERO DESIGN GUIDE

SUB-ZERO

Contents

IMPORTANT NOTE: Throughout this guide, dimensions may vary by $\pm \, ^1/_8"$ (3).

Features and specifications are subject to change at any time without notice. Visit subzero.com/specs for the most up-to-date information.

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

MODEL BI-48S

Built-In Refrigeration. For the built-in line, Sub-Zero designers and engineers took a fresh look at everything, inside and out. Exterior refinements include redesigned grilles and lower-profile hinges. Inside, new technology in food preservation makes the built-in line nothing short of revolutionary.

BUILT-IN MODELS

| BI-36R | BI-36RG | BI-36F | BI-30U | BI-30UG | BI-36U | BI-36UG |

| BI-36S | BI-42S BI-42SID | BI-42SD | BI-48S BI-48SID | BI-48SD |

KEY FEATURES

- Four distinct design approaches: framed, overlay, flush inset and stainless steel.

- Handle options coordinate with handles of Wolf cooking products.

- Dual refrigeration; two compressors preserve food's goodness in two sealed compartments.

- Energy efficient; many models are ENERGY STAR® qualified.

- NEW! Internal dispenser models provide ice and chilled water inside the refrigerator.

- Advanced water filtration and air purification systems.

- Crisper and deli drawers form a lower-temperature zone for produce and meats.

- Flip-up grille provides easy access for quick routine maintenance.

- All models are Star-K certified.

Built-In Design Options. A design classic is now even better. Four distinct design approaches provide limitless flexibility for creating a beautiful kitchen. Lower-profile hinges enable the built-in units to blend more seamlessly with surrounding cabinetry.

Framed. Custom cabinetry panels slide into the door to blend into the kitchen design. Shown with full-length handle and louvered grille option for the traditional Sub-Zero look.

Overlay. Custom cabinet overlay panels can be combined with unique hardware for design flexibility. Shown with pro handle option to complement Wolf ranges.

Flush Inset. This design option allows for a flush door and grille. Stainless steel panels are available as sales accessories. Shown with tubular handle option to mirror Wolf built-in ovens.

Stainless Steel. For a professional look, this design requires no customization. To complement the look of Wolf ranges, choose the pro handle option shown here.
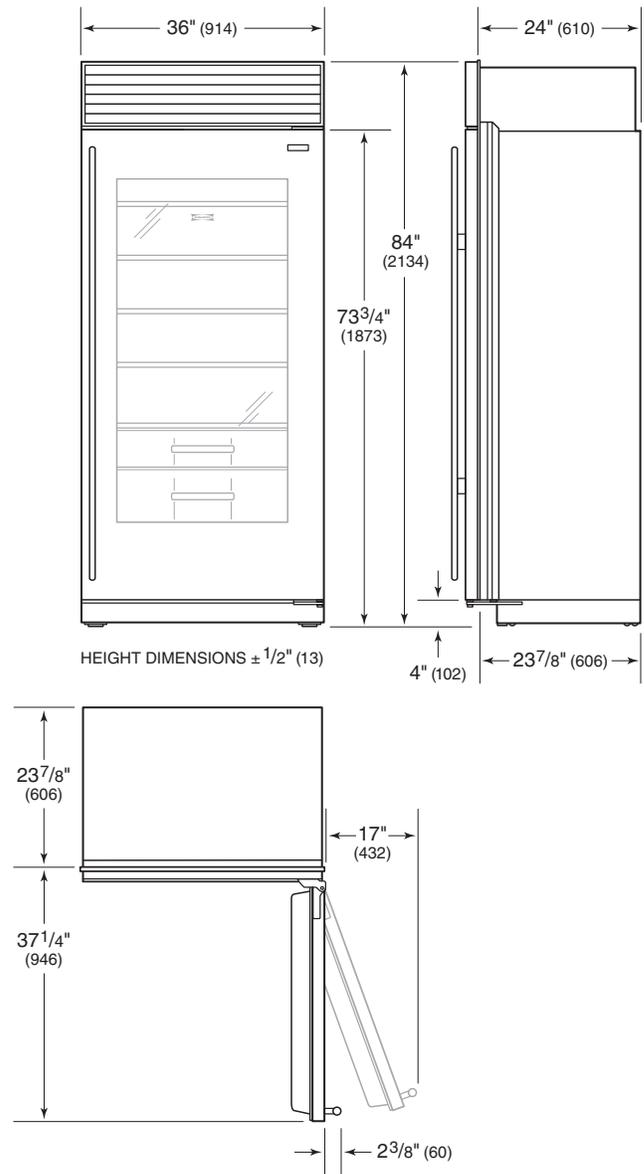
Built-In Models

SPECIFICATIONS

Interior Capacity	R cu ft (L)	F cu ft (L)
ALL REFRIGERATOR / ALL FREEZER MODELS		
BI-36R	23.4 (663)	
BI-36RG	23.2 (657)	
BI-36F		22.8 (646)
OVER-AND-UNDER MODELS		
BI-30U	13.0 (368)	4.1 (116)
BI-30UG	13.0 (368)	4.1 (116)
BI-36U	16.2 (459)	5.3 (150)
BI-36UG	16.1 (456)	5.3 (150)
SIDE-BY-SIDE MODELS		
BI-36S	12.2 (346)	8.0 (227)
BI-42S	16.1 (456)	8.0 (227)
BI-42SID	16.0 (453)	8.0 (227)
BI-42SD	16.0 (453)	8.1 (230)
BI-48S	18.8 (532)	9.5 (269)
BI-48SID	18.7 (530)	9.6 (267)
BI-48SD	18.7 (530)	9.7 (265)

Shipping Weight	lbs (kg)
ALL REFRIGERATOR / ALL FREEZER MODELS	
BI-36R	420 (191)
BI-36RG	430 (195)
BI-36F	406 (184)
OVER-AND-UNDER MODELS	
BI-30U	462 (210)
BI-30UG	476 (216)
BI-36U	515 (234)
BI-36UG	529 (240)
SIDE-BY-SIDE MODELS	
BI-36S	538 (244)
BI-42S	582 (264)
BI-42SID	608 (276)
BI-42SD	608 (276)
BI-48S	630 (286)
BI-48SID	656 (298)
BI-48SD	656 (298)

All Refrigerator / All Freezer Models

OVERALL DIMENSIONS

36" (914)   24" (610)

84" (2134)

73³/4" (1873)

HEIGHT DIMENSIONS ± ¹/2" (13)

4" (102)   23⁷/8" (606)

23⁷/8" (606)
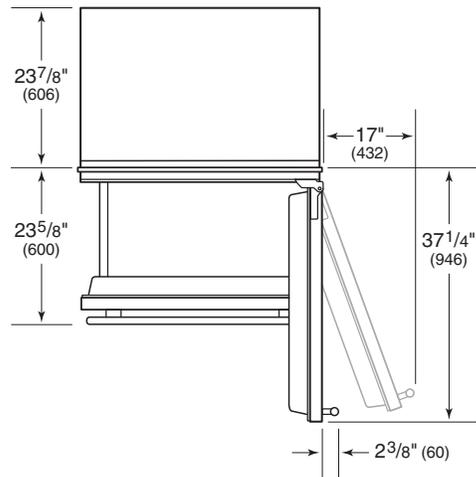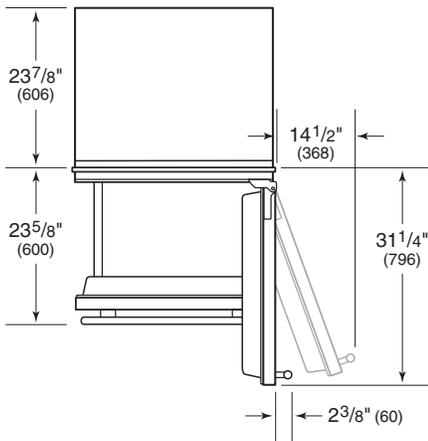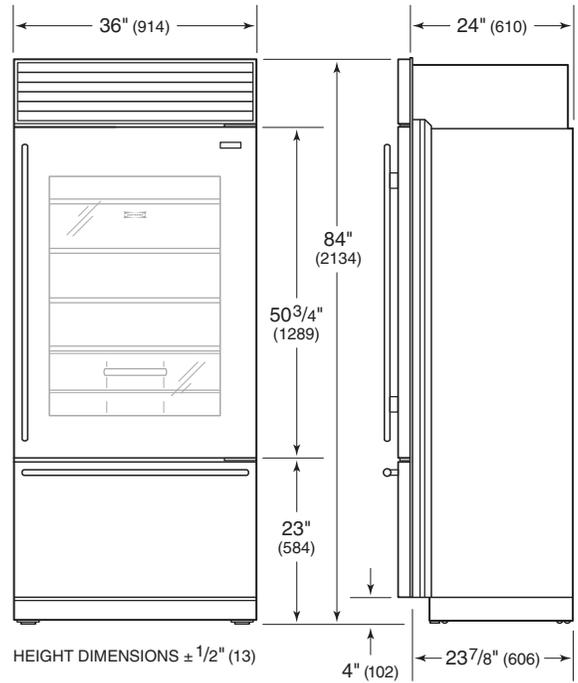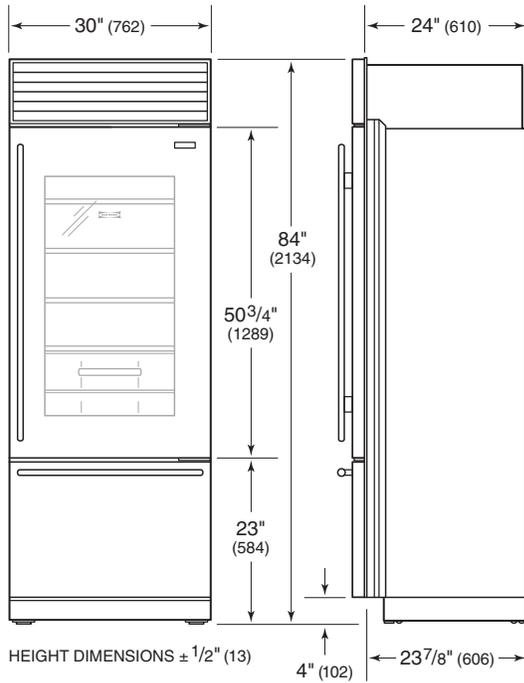
17" (432)

37¹/4" (946)

2³/8" (60)

MODELS BI-36R, BI-36RG AND BI-36F

Shipping weights and overall dimensions are based on stainless steel models. For flush inset applications, add ¹/2" (13) to door clearance dimensions.
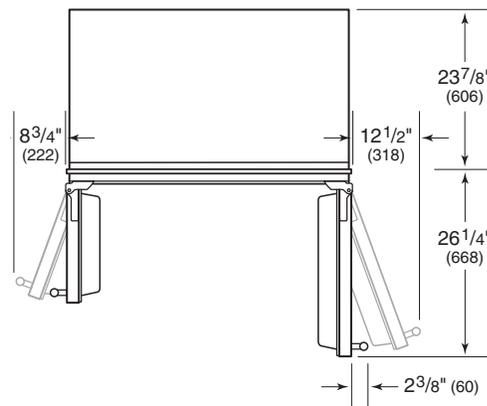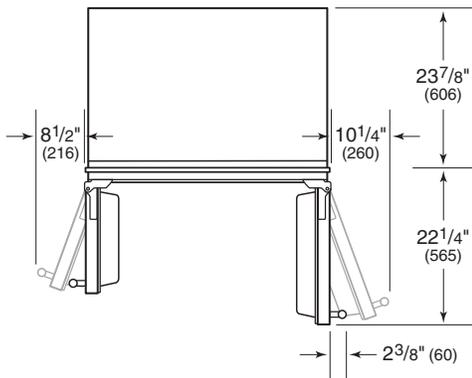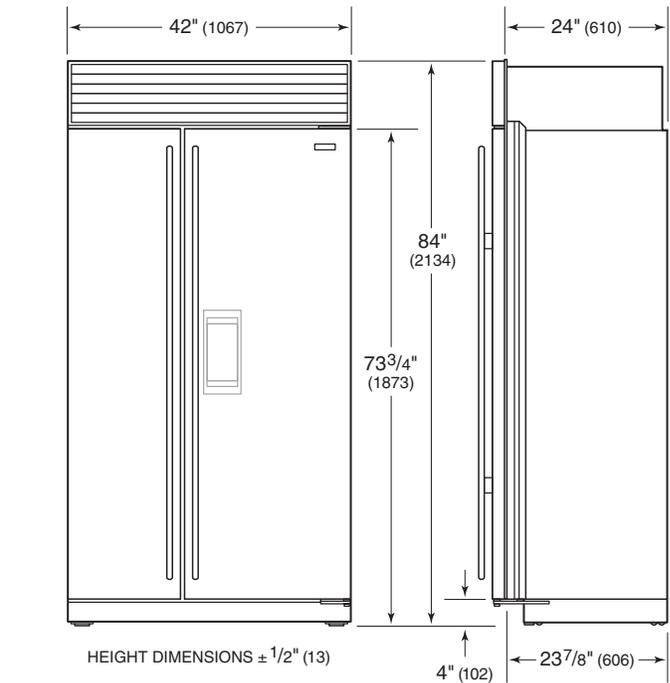
Over-and-Under Models

OVERALL DIMENSIONS

30" (762) 24" (610)

84" (2134)

50 3/4" (1289)

23" (584)

HEIGHT DIMENSIONS ± 1/2" (13)

4" (102) 23 7/8" (606)

23 7/8" (606)

14 1/2" (368)

23 5/8" (600)

31 1/4" (796)

2 3/8" (60)

MODELS BI-30U AND BI-30UG

36" (914) 24" (610)

84" (2134)

50 3/4" (1289)

23" (584)

HEIGHT DIMENSIONS ± 1/2" (13)

4" (102) 23 7/8" (606)

23 7/8" (606)

17" (432)

23 5/8" (600)

37 1/4" (946)

2 3/8" (60)

MODELS BI-36U AND BI-36UG

Side-by-Side Models

OVERALL DIMENSIONS

36" (914) | 24" (610)

84" (2134)

73³/4" (1873)

HEIGHT DIMENSIONS ± 1/2" (13)

4" (102) | 23⁷/8" (606)

23⁷/8" (606)

8¹/2" (216) | 10¹/4" (260)

22¹/4" (565)

2³/8" (60)

MODEL BI-36S

42" (1067) | 24" (610)

84" (2134)

73³/4" (1873)

HEIGHT DIMENSIONS ± 1/2" (13)

4" (102) | 23⁷/8" (606)

23⁷/8" (606)

8³/4" (222) | 12¹/2" (318)

26¹/4" (668)

2³/8" (60)

MODELS BI-42S, BI-42SID AND BI-42SD

Overall dimensions are based on stainless steel models.
For flush inset applications, add ¹/2" (13) to door clearance
dimensions.
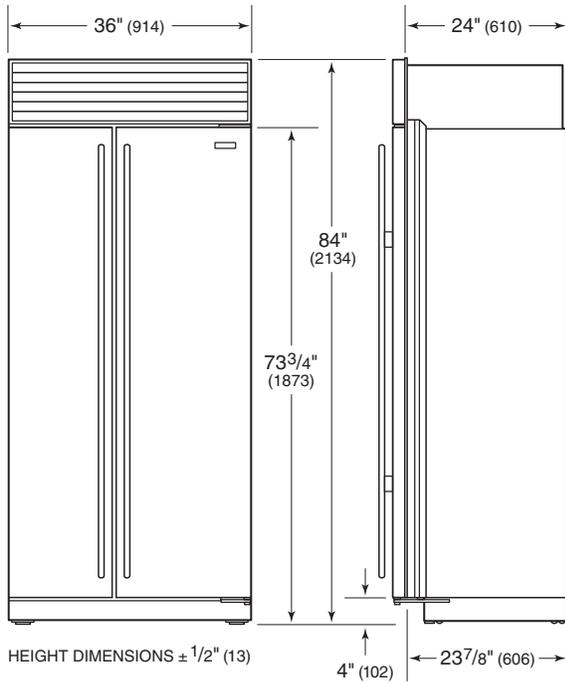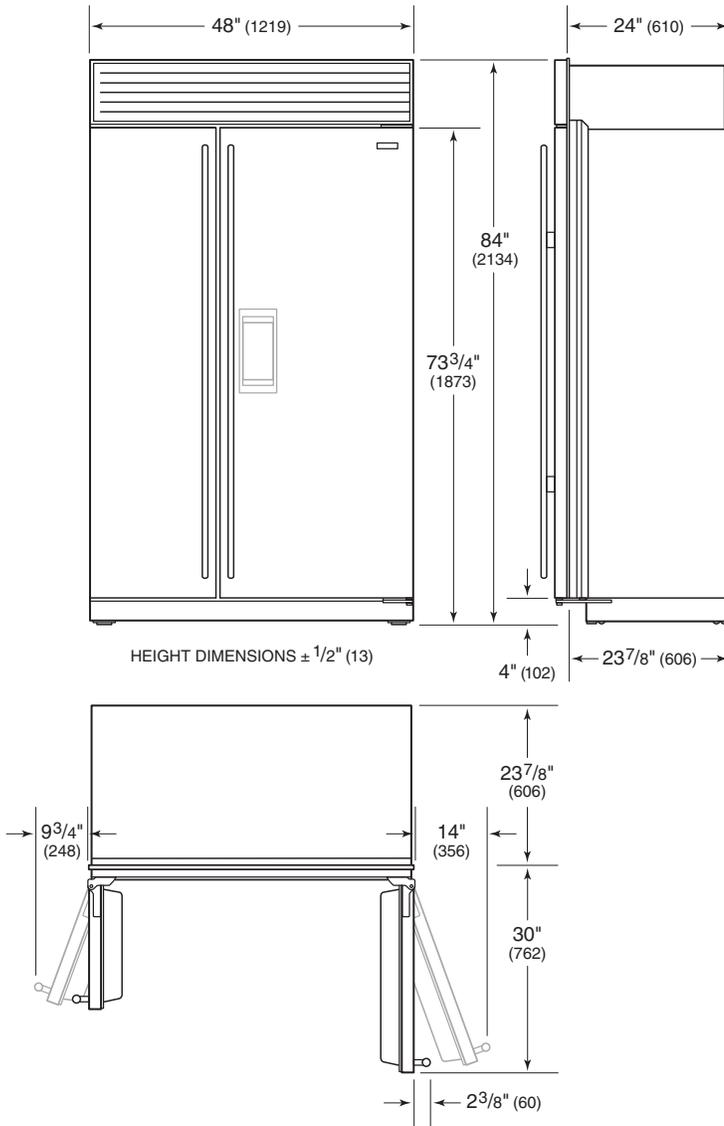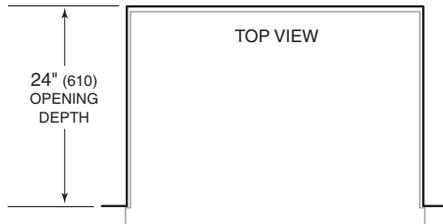
Side-by-Side Models

OVERALL DIMENSIONS

48" (1219)

24" (610)

84"
(2134)

73³/4"
(1873)

HEIGHT DIMENSIONS ± ¹/2" (13)

4" (102)

23⁷/8" (606)

23⁷/8"
(606)

9³/4"
(248)

14"
(356)

30"
(762)

2³/8" (60)

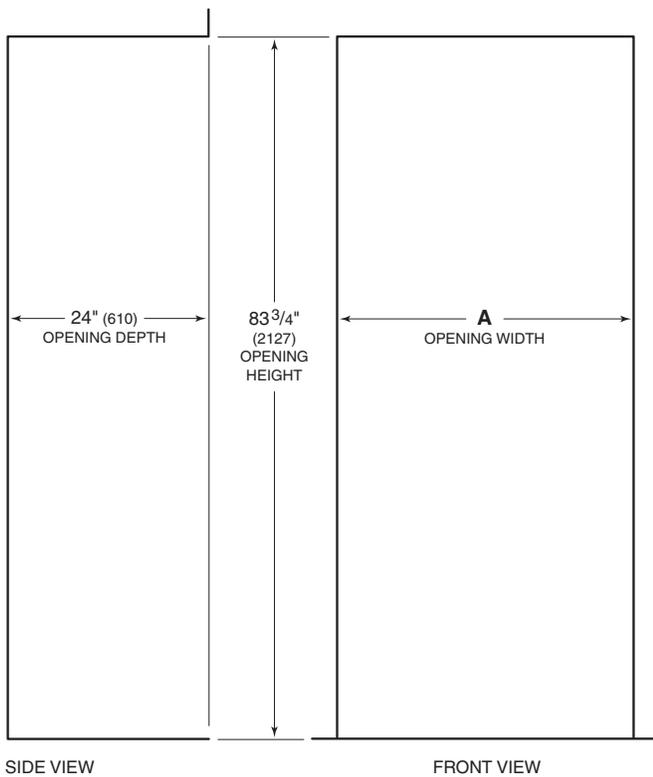**MODELS BI-48S, BI-48SID AND BI-48SD**

Built-In Models

STANDARD INSTALLATION

IMPORTANT NOTE: If an 83" (2108) grille height is specified, the opening height must be decreased by $^7/_8$" (22). If an 88" (2235) grille height is specified, the opening height increases by 4" (102).

If two units are installed side by side, refer to pages 30–31 for dual standard installations.

TOP VIEW

24" (610)
OPENING
DEPTH

24" (610)
OPENING DEPTH

83$^3/_4$"
(2127)
OPENING
HEIGHT

A
OPENING WIDTH

SIDE VIEW

FRONT VIEW

Opening Width	A
BI-36R, BI-36RG and BI-36F	35$^1/_2$" (902)
BI-30U and BI-30UG	29$^1/_2$" (746)
BI-36U and BI-36UG	35$^1/_2$" (902)
BI-36S	35$^1/_2$" (902)
BI-42S, BI-42SID and BI-42SD	41$^1/_2$" (1054)
BI-48S, BI-48SID and BI-48SD	47$^1/_2$" (1206)

Planning Information

ELECTRICAL REQUIREMENTS

For all built-in models, the electrical supply should be located within the shaded area shown in the illustration. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit servicing only this appliance is required. A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

Electrical Requirements	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type

FRONT VIEW

7"
(178)

E

6"
(152)

75 1/2"
(1918)
FROM
FLOOR
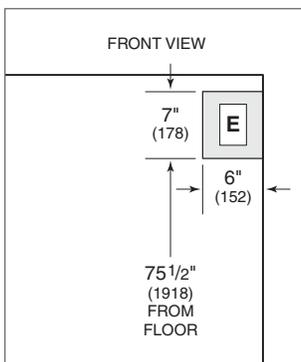
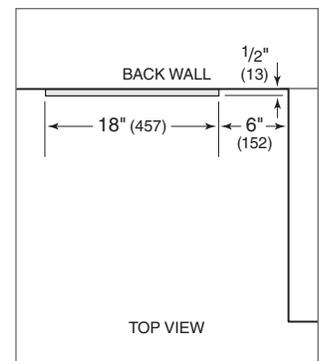Location of electrical supply.

PLUMBING REQUIREMENTS

All built-in models with an automatic ice maker feature a water filtration system. The water supply line should be located within the shaded area shown in the illustrations. The water supply line should be connected to the house supply with an easily accessible shut-off valve between the supply and the unit. Do not use self-piercing valves. A saddle valve kit is available through your authorized Sub-Zero dealer. The water line must not interfere with installation of the anti-tip brackets.

IMPORTANT NOTE: A reverse osmosis system can be used provided there is constant water pressure of 35 psi (2.4 bar) to 120 psi (8.3 bar) supplied to the unit at all times. In this application, the water filtration system must be set to bypass mode. This is achieved by removing the water filter cartridge. Refer to the built-in installation guide packed with the unit for detailed instructions. 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)
Excess Water Line for Connection	36" (914)

18" (457)

6"
(152)

3" (76)

FLOOR

FRONT VIEW

BACK WALL

1/2"
(13)

18" (457)

6"
(152)

TOP VIEW
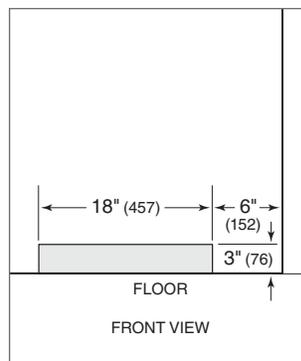
Location of water supply— rear.

Location of water supply— bottom.

Custom cabinetry panels slide into the door to blend into the kitchen design. Shown with full-length handle and louvered grille option for the traditional Sub-Zero look.

Framed Application

IMPORTANT NOTE: The framed application is not a separate model. This is an overlay unit in a framed application.

The framed panel design option is available for all built-in overlay models. You must specify panels, full-length handles and a framed grille insert to achieve the traditional framed look. For exact door panel dimensions refer to framed panel specifications on the following pages. Also refer to the full-scale templates at the end of this section for additional panel and handle considerations.

Optional extended full-length handles that provide additional finger clearance for raised panels are available through your authorized Sub-Zero dealer.

Framed Panel Requirements	
MAX WEIGHT PER PANEL	
BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Framed Panels	50 lbs (23 kg)
MIN PANEL THICKNESS	
All Framed Panels	$1/4$" (6)

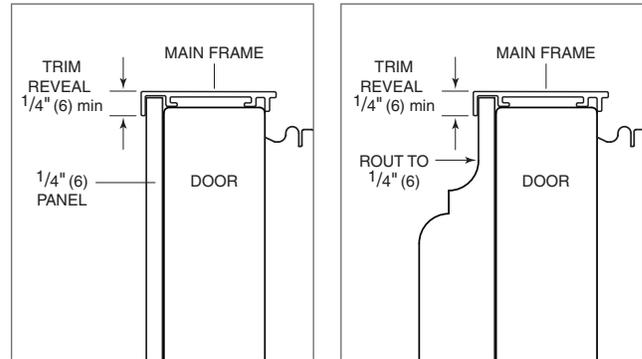## Framed Panels

If the thickness of the custom panels is less than $1/4$" (6), they must be backed up with a sheet of shim material to build the total thickness to $1/4$" (6). If the panel is thicker than $1/4$" (6), a routed edge must be provided around the panel to ensure a proper fit. Refer to the illustrations.

IMPORTANT NOTE: For framed design applications, routing, recessing or optional extended handles may be required on raised panels for finger clearance under the handle. Refer to the full-scale templates at the end of this section.

IMPORTANT NOTE: Do not cover a glass door with a solid panel. Also, the edges of the window cut-out will need to be finished, as they will be exposed.
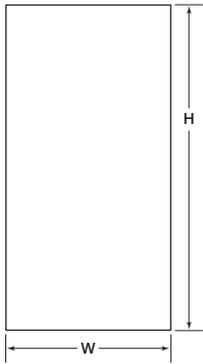
IMPORTANT NOTE: When installing two units in a side-by-side application, refer to pages 30–31 for dual standard installations. Be aware that rough opening dimensions are different for this application.
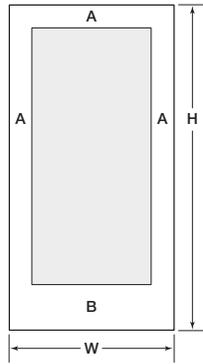
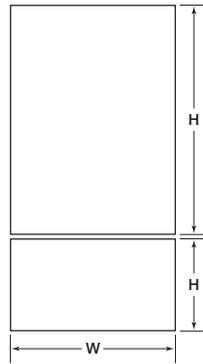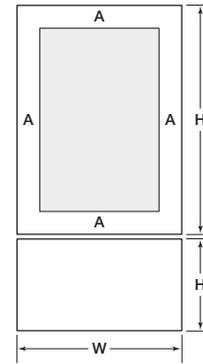Panels $1/4$" (6) thick or less.   Panels thicker than $1/4$" (6).

Framed Panels

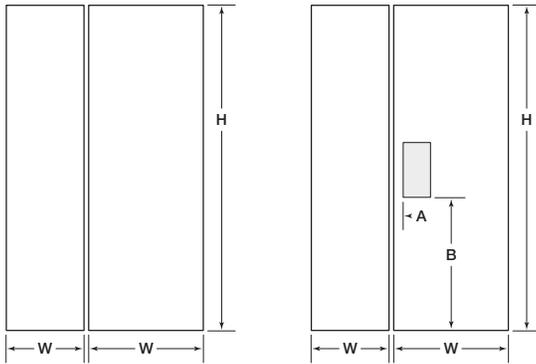BI-36R / BI-36F   BI-36RG   BI-30U / BI-36U   BI-30UG / BI-36UG

Models BI-36R, BI-36RG and BI-36F		
REFRIGERATOR/FREEZER	**W**	**H**
Door Panel	35^3/$_4$" (908)	69^9/$_{16}$" (1767)
BI-36RG	**W**	**H**
Window Cut-Out	25^1/$_2$" (648)	54^1/$_{16}$" (1373)
	A	**B**
Cut-Out Location	5^3/$_{16}$" (132)	10^5/$_{16}$" (262)

Models BI-30U and BI-30UG		
REFRIGERATOR	**W**	**H**
Door Panel	29^3/$_4$" (756)	49^{15}/$_{16}$" (1268)
FREEZER	**W**	**H**
Drawer Panel	29^3/$_4$" (756)	18^{11}/$_{16}$" (475)
BI-30UG	**W**	**H**
Window Cut-Out	19^1/$_2$" (495)	39^{11}/$_{16}$" (1008)
		A
Cut-Out Location		5^3/$_{16}$" (132)

Models BI-36U and BI-36UG		
REFRIGERATOR	**W**	**H**
Door Panel	35^3/$_4$" (908)	49^{15}/$_{16}$" (1268)
FREEZER	**W**	**H**
Drawer Panel	35^3/$_4$" (908)	18^{11}/$_{16}$" (475)
BI-36UG	**W**	**H**
Window Cut-Out	25^1/$_2$" (648)	39^{11}/$_{16}$" (1008)
		A
Cut-Out Location		5^3/$_{16}$" (132)

Framed Panels

BI-36S / BI-42S / BI-42SID
BI-48S / BI-48SID

BI-42SD / BI-48SD

Model BI-36S		
REFRIGERATOR	**W**	**H**
Door Panel	$19^{13}/_{16}$" (503)	$69^{9}/_{16}$" (1767)
FREEZER	**W**	**H**
Door Panel	$15^{7}/_{16}$" (392)	$69^{9}/_{16}$" (1767)

Models BI-42S, BI-42SID and BI-42SD		
REFRIGERATOR	**W**	**H**
Door Panel	$24^{13}/_{16}$" (630)	$69^{9}/_{16}$" (1767)
FREEZER	**W**	**H**
Door Panel	$16^{7}/_{16}$" (418)	$69^{9}/_{16}$" (1767)
BI-42SD	**W**	**H**
Dispenser Cut-Out	$5^{7}/_{8}$" (149)	$12^{7}/_{16}$" (316)
	A	**B**
Cut-Out Location	$1^{7}/_{8}$" (48)	$28^{3}/_{4}$" (730)

Models BI-48S, BI-48SID and BI-48SD		
REFRIGERATOR	**W**	**H**
Door Panel	$28^{1}/_{2}$" (724)	$69^{9}/_{16}$" (1767)
FREEZER	**W**	**H**
Door Panel	$18^{3}/_{4}$" (476)	$69^{9}/_{16}$" (1767)
BI-48SD	**W**	**H**
Dispenser Cut-Out	$5^{7}/_{8}$" (149)	$12^{7}/_{16}$" (316)
	A	**B**
Cut-Out Location	$1^{7}/_{8}$" (48)	$28^{3}/_{4}$" (730)

For models BI-42SD and BI-48SD, panel thickness in the dispenser area can range from $^{1}/_{4}$" (6) to a maximum of $1^{1}/_{8}$" (29). If the panel is thicker, you must rout out a minimum $^{1}/_{4}$" (6) flat landing area to accommodate the glasswell bezel.

Framed Application

OPTIONAL GRILLE PANEL

A panel grille, providing an 84" (2134) finished height, is standard on overlay models. Optional panel grilles are available for 83" (2108) and 88" (2235) finished heights.

Grille panel dimensions listed are for a standard 84" (2134) finished height. For an 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) finished height, add 4" (102) to height dimensions.

Optional grille panel.

Optional Grille Panel	W	H
30" (762) Models	29³/₄" (756)	8¹⁵/₁₆" (227)
36" (914) Models	35³/₄" (908)	8¹⁵/₁₆" (227)
42" (1067) Models	41³/₄" (1060)	8¹⁵/₁₆" (227)
48" (1219) Models	47³/₄" (1213)	8¹⁵/₁₆" (227)

Grille Panel Requirements	
MAX WEIGHT	
Grille Panel	13 lbs (6 kg)
MIN PANEL THICKNESS	
Grille Panel	¹/₄" (6)

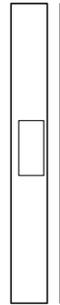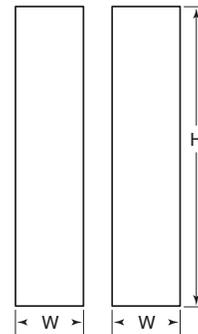## Framed Application

PARTIAL FRAMED OPTION

If you choose not to use custom panels above and below the glasswell for dispenser model BI-42SD or BI-48SD, a stainless steel insert panel is available as a sales accessory. This accessory kit includes partial framed molding and stainless steel panel to provide a spill-resistant finish above and below the glasswell on the refrigerator door only. The partial framed accessory kit is available through your authorized Sub-Zero dealer. Refer to panel dimensions for the partial framed option below.

Partial framed kit.

BI-42SD / BI-48SD
Partial framed option.

Optional Partial Framed Panels		
BI-42SD	W	H
Refrigerator Panel	$15^1/_{16}$" (383)	$69^9/_{16}$" (1767)
Freezer Panel	$16^7/_{16}$" (418)	$69^9/_{16}$" (1767)
BI-48SD	W	H
Refrigerator Panel	$18^3/_4$" (476)	$69^9/_{16}$" (1767)
Freezer Panel	$18^3/_4$" (476)	$69^9/_{16}$" (1767)

Custom cabinet overlay panels can be combined with unique hardware for design flexibility. Shown with pro handle option to complement Wolf ranges and rangetops.

Overlay Panels

If you and your client have ordered an overlay model, you will be adding panels and handles to give the unit a more custom look. The overlay panel design option is available for all built-in overlay models. For exact door panel dimensions, refer to overlay panel specifications on the following pages.

IMPORTANT NOTE: Overlay models can be used in an overlay or a flush inset application. Be aware that the application specified will affect panel sizes, rough opening dimensions and installation.

The overlay design allows decorative panels to cover the door trim for a more seamless appearance that blends with the design of the room. The most common way to achieve this look is to work with three panels—the decorative overlay panel, which is typically $3/4$" (19), a .10" (3) spacer panel and a $1/4$" (6) backer panel. Depending on your cabinet manufacturer, this could also be one panel routed for different dimensions.

Regardless of the physical construction of the panels (three-panel assembly or routed panel), you will need to follow the overlay panel specifications on the following pages for exact sizing and panel placement to ensure a proper fit.

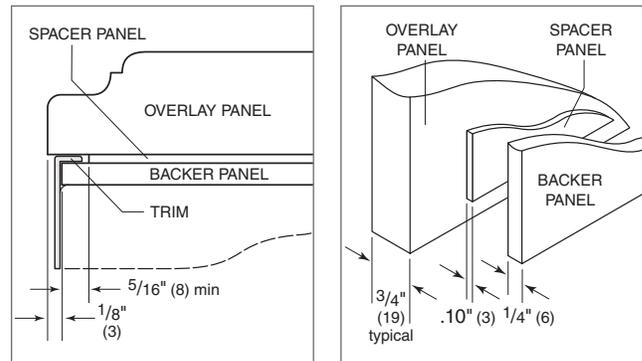| Overlay Panel Requirements	
MAX WEIGHT PER PANEL	
BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Overlay Models	50 lbs (23 kg)
Grille Panel	13 lbs (6 kg)
MIN PANEL THICKNESS	
All Overlay Panels	$5/8$" (16)

Overlay Panels

The illustrations provide a cross section view of the three-panel assembly, showing placement of the trim and a rear view of the three-panel assembly with critical dimensions, standard for all built-in models.

Overlay grille panels for the panel grille match the design of the overlay door panels. Dimensions for the grille panel are listed in the overlay panel specifications on the following pages.

IMPORTANT NOTE: On glass door models, the edges of the overlay, spacer and backer panels of the window cut-out will need to be finished, as they will be exposed.

IMPORTANT NOTE: When installing two units in a side-by-side application, refer to pages 30–31 for dual standard installations. Be aware that rough opening dimensions are different for this application.

⚠ **CAUTION**

Do not exceed overlay panel dimensions, as this could cause damage to panels and the Sub-Zero unit.

SPACER PANEL
OVERLAY PANEL
BACKER PANEL
TRIM
5/16" (8) min
1/8" (3)

OVERLAY PANEL   SPACER PANEL
BACKER PANEL
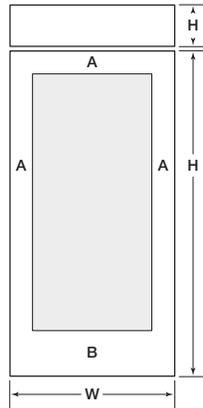3/4" (19) typical   .10" (3)   1/4" (6)

Panel assembly cross section.   Panel assembly rear view.

Overlay Panels
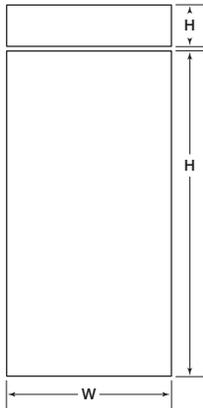
BI-36R / BI-36F   BI-36RG   BI-30U / BI-36U   BI-30UG / BI-36UG
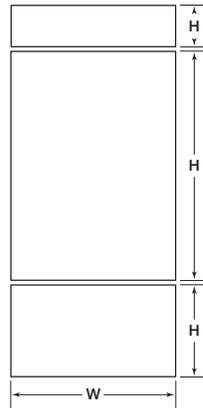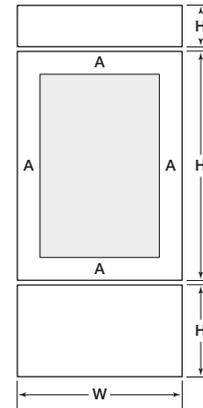
Models BI-36R, BI-36RG and BI-36F		
REFRIGERATOR / FREEZER	**W**	**H**
Overlay Panel	36" (914)	$69^3/_4$" (1772)
Spacer Panel	$35^1/_8$" (892)	$68^{15}/_{16}$" (1751)
Backer Panel	$35^3/_4$" (908)	$69^9/_{16}$" (1767)
GRILLE	**W**	**H**
Overlay Panel	36" (914)	$9^1/_4$" (235)*
Spacer Panel	$35^1/_8$" (892)	$8^5/_{16}$" (211)
Backer Panel	$35^3/_4$" (908)	$8^{15}/_{16}$" (227)
BI-36RG	**W**	**H**
Window Cut-Out	$25^1/_2$" (648)	$54^1/_8$" (1375)
	A	**B**
Cut-Out Location	$5^1/_4$" (133)	$10^3/_8$" (264)

Models BI-30U and BI-30UG		
REFRIGERATOR	**W**	**H**
Overlay Panel	30" (762)	$50^1/_8$" (1273)
Spacer Panel	$29^1/_8$" (740)	$49^5/_{16}$" (1253)
Backer Panel	$29^3/_4$" (756)	$49^{15}/_{16}$" (1268)
FREEZER	**W**	**H**
Overlay Panel	30" (762)	19" (483)
Spacer Panel	$29^1/_8$" (740)	$18^1/_{16}$" (459)
Backer Panel	$29^3/_4$" (756)	$18^{11}/_{16}$" (475)
GRILLE	**W**	**H**
Overlay Panel	30" (762)	$9^1/_4$" (235)*
Spacer Panel	$29^1/_8$" (740)	$8^5/_{16}$" (211)
Backer Panel	$29^3/_4$" (756)	$8^{15}/_{16}$" (227)
BI-30UG	**W**	**H**
Window Cut-Out	$19^1/_2$" (495)	$39^5/_8$" (1006)
		A
Cut-Out Location		$5^1/_4$" (133)

Models BI-36U and BI-36UG		
REFRIGERATOR	**W**	**H**
Overlay Panel	36" (914)	$50^1/_8$" (1273)
Spacer Panel	$35^1/_8$" (892)	$49^5/_{16}$" (1253)
Backer Panel	$35^3/_4$" (908)	$49^{15}/_{16}$" (1268)
FREEZER	**W**	**H**
Overlay Panel	36" (914)	19" (483)
Spacer Panel	$35^1/_8$" (892)	$18^1/_{16}$" (459)
Backer Panel	$35^3/_4$" (908)	$18^{11}/_{16}$" (475)
GRILLE	**W**	**H**
Overlay Panel	36" (914)	$9^1/_4$" (235)*
Spacer Panel	$35^1/_8$" (892)	$8^5/_{16}$" (211)
Backer Panel	$35^3/_4$" (908)	$8^{15}/_{16}$" (227)
BI-36UG	**W**	**H**
Window Cut-Out	$25^1/_2$" (648)	$39^5/_8$" (1006)
		A
Cut-Out Location		$5^1/_4$" (133)

*Panel height may be increased by $1/_2$" (13) to hide upper main frame. For more information, refer to the built-in panel configurator at subzero.com/trade/panels.

Grille panel dimensions listed are for a standard 84" (2134) finished height. For an 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) finished height, add 4" (102) to height dimensions. An 83" (2108) or 88" (2235) panel grille must be ordered to accept an 83" (2108) or 88" (2235) custom panel.

Overlay Panels

BI-36S / BI-42S / BI-42SID BI-48S / BI-48SID　　**BI-42SD / BI-48SD**

Model BI-36S		
REFRIGERATOR	**W**	**H**
Overlay Panel	20^1/$_{16}$" (510)	69^3/$_4$" (1772)
Spacer Panel	19^3/$_{16}$" (487)	68^{15}/$_{16}$" (1751)
Backer Panel	19^{13}/$_{16}$" (503)	69^9/$_{16}$" (1767)
FREEZER	**W**	**H**
Overlay Panel	15^{11}/$_{16}$" (398)	69^3/$_4$" (1772)
Spacer Panel	14^{13}/$_{16}$" (376)	68^{15}/$_{16}$" (1751)
Backer Panel	15^7/$_{16}$" (392)	69^9/$_{16}$" (1767)
GRILLE	**W**	**H**
Overlay Panel	36" (914)	9^1/$_4$" (235)*
Spacer Panel	35^1/$_8$" (892)	8^5/$_{16}$" (211)
Backer Panel	35^3/$_4$" (908)	8^{15}/$_{16}$" (227)

Models BI-42S, BI-42SID and BI-42SD		
REFRIGERATOR	**W**	**H**
Overlay Panel	25^1/$_{16}$" (637)	69^3/$_4$" (1772)
Spacer Panel	24^3/$_{16}$" (614)	68^{15}/$_{16}$" (1751)
Backer Panel	24^{13}/$_{16}$" (630)	69^9/$_{16}$" (1767)
FREEZER	**W**	**H**
Overlay Panel	16^{11}/$_{16}$" (424)	69^3/$_4$" (1772)
Spacer Panel	15^{13}/$_{16}$" (402)	68^{15}/$_{16}$" (1751)
Backer Panel	16^7/$_{16}$" (418)	69^9/$_{16}$" (1767)
GRILLE	**W**	**H**
Overlay Panel	42" (1067)	9^1/$_4$" (235)*
Spacer Panel	41^1/$_8$" (1045)	8^5/$_{16}$" (211)
Backer Panel	41^3/$_4$" (1060)	8^{15}/$_{16}$" (227)
BI-42SD	**W**	**H**
Dispenser Cut-Out	5^7/$_8$" (149)	12^7/$_{16}$" (316)
	A	**B**
Cut-Out Location	2" (51)	28^{13}/$_{16}$" (732)

Models BI-48S, BI-48SID and BI-48SD		
REFRIGERATOR	**W**	**H**
Overlay Panel	28^3/$_4$" (730)	69^3/$_4$" (1772)
Spacer Panel	27^7/$_8$" (708)	68^{15}/$_{16}$" (1751)
Backer Panel	28^1/$_2$" (724)	69^9/$_{16}$" (1767)
FREEZER	**W**	**H**
Overlay Panel	19" (483)	69^3/$_4$" (1772)
Spacer Panel	18^1/$_8$" (460)	68^{15}/$_{16}$" (1751)
Backer Panel	18^3/$_4$" (476)	69^9/$_{16}$" (1767)
GRILLE	**W**	**H**
Overlay Panel	48" (1219)	9^1/$_4$" (235)*
Spacer Panel	47^1/$_8$" (1197)	8^5/$_{16}$" (211)
Backer Panel	47^3/$_4$" (1213)	8^{15}/$_{16}$" (227)
BI-48SD	**W**	**H**
Dispenser Cut-Out	5^7/$_8$" (149)	12^7/$_{16}$" (316)
	A	**B**
Cut-Out Location	2" (51)	28^{13}/$_{16}$" (732)

*Panel height may be increased by ^{1}/$_2$" (13) to hide upper main frame. For more information, refer to the built-in panel configurator at subzero.com/trade/panels.

Grille panel dimensions listed are for a standard 84" (2134) finished height. For an 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) finished height, add 4" (102) to height dimensions. An 83" (2108) or 88" (2235) panel grille must be ordered to accept an 83" (2108) or 88" (2235) custom panel.

This design option allows for a flush door and grille. Stainless steel panels are available as sales accessories. Shown with tubular handle option to mirror Wolf built-in ovens.

Flush Inset Application

It is necessary to consider the following points when planning for a flush inset application:

- The flush inset depth is $2^3/16$" (56) deeper than the standard opening.

- The flush inset width is $2^1/2$" (64) wider than the standard opening.

- The flush inset height is $1/4$" (6) higher than the standard opening.

- Panel widths increase to achieve the flush inset look.

- You must allow a $1/2$" (13) reveal around the perimeter of the unit and grille to allow for proper door swing and airflow.

IMPORTANT NOTE: The flush inset application is not a separate model. This is an overlay unit in a flush installation. The same model is used in an overlay or flush inset application.

Rough opening dimensions for the flush inset application assume the use of a $3/4$" (19) decorative panel. The illustrations below show the difference between standard and flush inset installations.
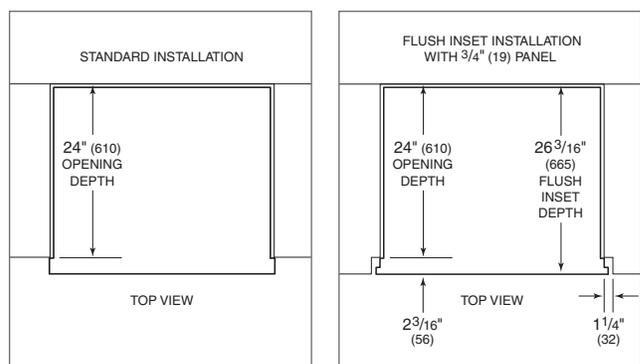
Standard installation.

Flush inset installation.

Built-In Models

FLUSH INSET INSTALLATION

TOP VIEW

26 3/16" (665) FLUSH INSET DEPTH

24" (610) DEPTH TO CLEAT

1 1/4" (32)

UNIT WITH 3/4" (19) PANEL

CLEAT

DETAIL A

1/4" (6)

2 3/16" (56)

CLEAT

24" (610) DEPTH TO CLEAT

2 3/16" (56)

26 3/16" (665) FLUSH INSET DEPTH

83 3/4" (2127) HEIGHT TO CLEAT

84" (2134) FLUSH INSET HEIGHT

1 1/4" (32)

A
WIDTH TO CLEAT

B
FLUSH INSET WIDTH

1 1/4" (32)

DETAIL B

SIDE VIEW

FRONT VIEW

26 3/16" (665) FLUSH INSET DEPTH

24" (610) OPENING DEPTH TO CLEAT

TOP VIEW

CLEAT

3" (76) typical

2 3/16" (56)

1 1/4" (32)

Detail A

CLEAT

3" typical (76)

4" (102)

24" (610) OPENING DEPTH TO CLEAT

SHADED AREA MUST BE FINISHED

2 3/16" (56)

1 1/4" (32)

Detail B

Flush Inset Opening Widths	A	B
BI-36R, BI-36RG and BI-36F	35 1/2" (902)	38" (965)
BI-30U and BI-30UG	29 1/2" (746)	32" (813)
BI-36U and BI-36UG	35 1/2" (902)	38" (965)
BI-36S	35 1/2" (902)	38" (965)
BI-42S, BI-42SID and BI-42SD	41 1/2" (1054)	44" (1118)
BI-48S, BI-48SID and BI-48SD	47 1/2" (1206)	50" (1270)

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

IMPORTANT NOTE: If an 83" (2108) grille height is specified, the height to cleat and flush inset height must be decreased by 7/8" (22). If an 88" (2235) grille height is specified, the height to cleat and flush inset height increases by 4" (102).

If two units are installed side by side, refer to pages 32–36 for dual flush inset installations.

Flush Inset Panels

The flush inset application allows decorative panels on the front of the unit to be flush with surrounding cabinetry and is available for all built-in overlay models. For exact panel dimensions, refer to flush inset panel specifications on the following pages.

The flush inset design allows decorative panels to cover the door trim for a seamless appearance that blends with the design of the room. The most common way to achieve this look is to work with three panels—the decorative flush inset panel, which is typically $3/4"$ (19), a .10" (3) spacer panel and a $1/4"$ (6) backer panel. Depending on your cabinet manufacturer, this could also be one panel routed for different dimensions.

Regardless of the physical construction of the panels (three-panel assembly or routed panel), you will need to follow the flush inset panel specifications on the following pages for exact sizing and panel placement to ensure a proper fit.

> **⚠ CAUTION**
>
> **Do not exceed flush inset panel dimensions, as this could cause damage to panels and the Sub-Zero unit.**

Flush Inset Panel Requirements	
MAX WEIGHT PER PANEL	
BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Flush Inset Models	50 lbs (23 kg)
Grille Panel	13 lbs (6 kg)
MIN PANEL THICKNESS	
All Flush Inset Panels	$5/8"$ (16)

The illustration below provides a rear view of the three-panel assembly with critical dimensions, standard for all built-in models.

IMPORTANT NOTE: The inside edges of the rough opening as well as the sides and a portion of the back side of the decorative panels will need to be finished, as they will be exposed when the doors are open.

IMPORTANT NOTE: On glass door models, the edges of the overlay, spacer and backer panels of the window cut-out will need to be finished, as they will be exposed.

IMPORTANT NOTE: For flush inset panels thicker than $3/4"$ (19), a 90° door stop may be required to prevent interference with adjacent cabinets. Refer to the full-scale templates at the end of this section.

IMPORTANT NOTE: When installing two units side by side in a flush inset application, refer to pages 32–36 for dual flush inset installations. Be aware that rough opening dimensions, panel sizes and offsets are different for this application.
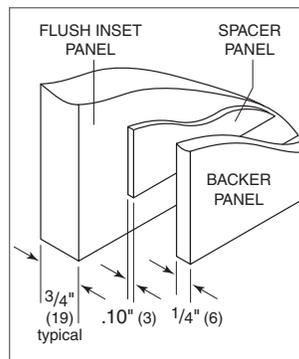

Three-panel assembly.
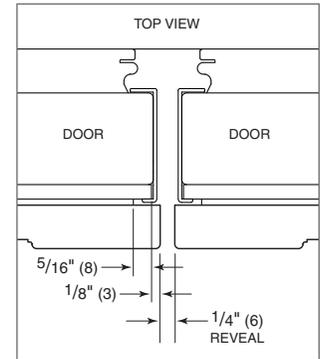
Flush Inset Panels

PANEL OFFSETS

Illustrations A–F provide panel offsets and reveals for all built-in models in a flush inset application. Refer to the chart below for reference to the illustrations relating to your specific model.

For additional information on model-specific panel reveals, visit the specification library section of our website, subzerotrade.com.
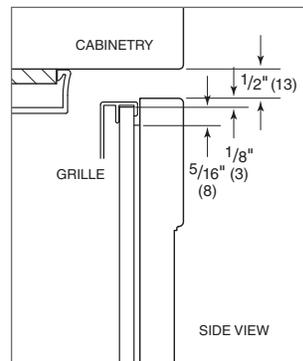
Panel Offsets	Illus.
ALL REFRIGERATOR / ALL FREEZER	
Door / Grille Sides	A
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom	F
OVER-AND-UNDER	
Door / Drawer / Grille Sides	A
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom / Drawer Top	E
Drawer Bottom	F
SIDE-BY-SIDE	
Doors (hinge) / Grille Sides	A
Doors (handle) Sides	B
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom	F
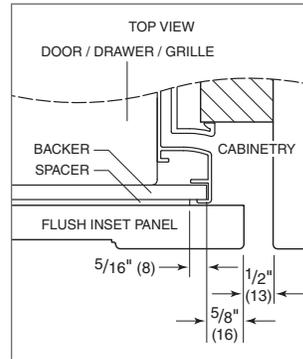
Illus. A

Illus. B
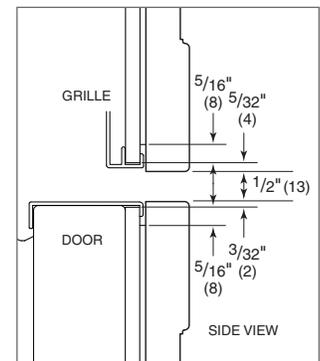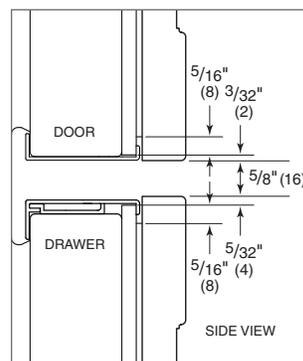
Illus. C
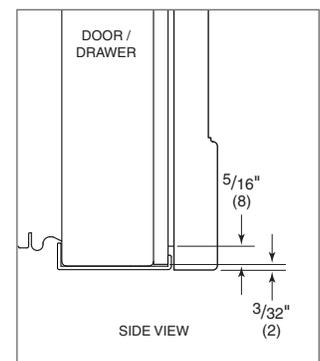
Illus. D

Illus. E

Illus. F

Flush Inset Panels
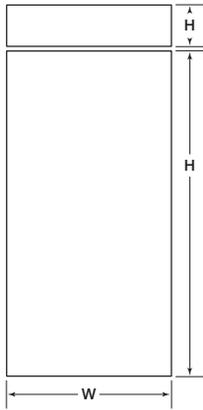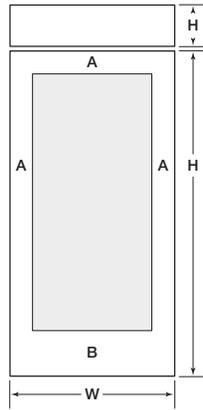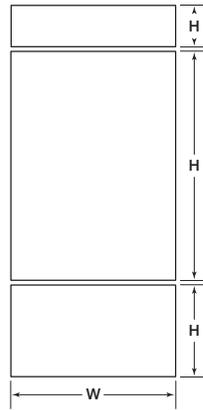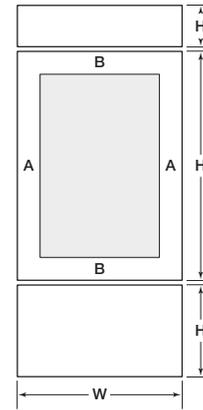
BI-36R / BI-36F   BI-36RG   BI-30U / BI-36U   BI-30UG / BI-36UG

Models BI-36R, BI-36RG and BI-36F		
REFRIGERATOR / FREEZER	**W**	**H**
Flush Inset Panel	37" (940)	69$3/4$" (1772)
Spacer Panel	35$1/8$" (892)	68$15/16$" (1751)
Backer Panel	35$3/4$" (908)	69$9/16$" (1767)
GRILLE	**W**	**H**
Flush Inset Panel	37" (940)	9$1/4$" (235)
Spacer Panel	35$1/8$" (892)	8$5/16$" (211)
Backer Panel	35$3/4$" (908)	8$15/16$" (227)
BI-36RG	**W**	**H**
Window Cut-Out	25$1/2$" (648)	54$1/8$" (1375)
	A	**B**
Cut-Out Location	5$3/4$" (146)	10$3/8$" (264)

Models BI-30U and BI-30UG		
REFRIGERATOR	**W**	**H**
Flush Inset Panel	31" (787)	50$1/8$" (1273)
Spacer Panel	29$1/8$" (740)	49$5/16$" (1253)
Backer Panel	29$3/4$" (756)	49$15/16$" (1268)
FREEZER	**W**	**H**
Flush Inset Panel	31" (787)	19" (483)
Spacer Panel	29$1/8$" (740)	18$1/16$" (459)
Backer Panel	29$3/4$" (756)	18$11/16$" (475)
GRILLE	**W**	**H**
Flush Inset Panel	31" (787)	9$1/4$" (235)
Spacer Panel	29$1/8$" (740)	8$5/16$" (211)
Backer Panel	29$3/4$" (756)	8$15/16$" (227)
BI-30UG	**W**	**H**
Window Cut-Out	19$1/2$" (495)	39$5/8$" (1006)
	A	**B**
Cut-Out Location	5$3/4$" (146)	5$1/4$" (133)

Models BI-36U and BI-36UG		
REFRIGERATOR	**W**	**H**
Flush Inset Panel	37" (940)	50$1/8$" (1273)
Spacer Panel	35$1/8$" (892)	49$5/16$" (1253)
Backer Panel	35$3/4$" (908)	49$15/16$" (1268)
FREEZER	**W**	**H**
Flush Inset Panel	37" (940)	19" (483)
Spacer Panel	35$1/8$" (892)	18$1/16$" (459)
Backer Panel	35$3/4$" (908)	18$11/16$" (475)
GRILLE	**W**	**H**
Flush Inset Panel	37" (940)	9$1/4$" (235)
Spacer Panel	35$1/8$" (892)	8$5/16$" (211)
Backer Panel	35$3/4$" (908)	8$15/16$" (227)
BI-36UG	**W**	**H**
Window Cut-Out	25$1/2$" (648)	39$5/8$" (1006)
	A	**B**
Cut-Out Location	5$3/4$" (146)	5$1/4$" (133)

Grille panel dimensions listed are for a standard 84" (2134) finished height. For an 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) finished height, add 4" (102) to height dimensions. An 83" (2108) or 88" (2235) panel grille must be ordered to accept an 83" (2108) or 88" (2235) custom panel.

Flush Inset Panels
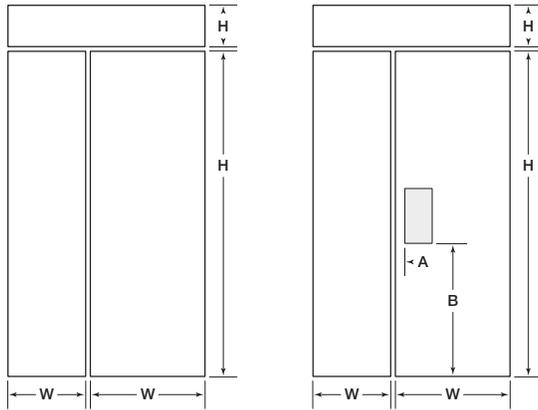
BI-36S / BI-42S / BI-42SID   BI-42SD / BI-48SD
BI-48S / BI-48SID

Model BI-36S

REFRIGERATOR	W	H
Flush Inset Panel	20⁹/16" (522)	69³/4" (1772)
Spacer Panel	19³/16" (487)	68¹⁵/16" (1751)
Backer Panel	19¹³/16" (503)	69⁹/16" (1767)

FREEZER	W	H
Flush Inset Panel	16³/16" (411)	69³/4" (1772)
Spacer Panel	14¹³/16" (376)	68¹⁵/16" (1751)
Backer Panel	15⁷/16" (392)	69⁹/16" (1767)

GRILLE	W	H
Flush Inset Panel	37" (940)	9¹/4" (235)
Spacer Panel	35¹/8" (892)	8⁵/16" (211)
Backer Panel	35³/4" (908)	8¹⁵/16" (227)

Models BI-42S, BI-42SID and BI-42SD

REFRIGERATOR	W	H
Flush Inset Panel	25⁹/16" (649)	69³/4" (1772)
Spacer Panel	24³/16" (614)	68¹⁵/16" (1751)
Backer Panel	24¹³/16" (630)	69⁹/16" (1767)

FREEZER	W	H
Flush Inset Panel	17³/16" (437)	69³/4" (1772)
Spacer Panel	15¹³/16" (402)	68¹⁵/16" (1751)
Backer Panel	16⁷/16" (418)	69⁹/16" (1767)

GRILLE	W	H
Flush Inset Panel	43" (1092)	9¹/4" (235)
Spacer Panel	41¹/8" (1045)	8⁵/16" (211)
Backer Panel	41³/4" (1060)	8¹⁵/16" (227)

DISPENSER (BI-42SD)	W	H
Dispenser Cut-Out	5⁷/8" (149)	12⁷/16" (316)
	A	B
Cut-Out Location	2" (51)	28¹³/16" (732)

Models BI-48S, BI-48SID and BI-48SD

REFRIGERATOR	W	H
Flush Inset Panel	29¹/4" (743)	69³/4" (1772)
Spacer Panel	27⁷/8" (708)	68¹⁵/16" (1751)
Backer Panel	28¹/2" (724)	69⁹/16" (1767)

FREEZER	W	H
Flush Inset Panel	19¹/2" (495)	69³/4" (1772)
Spacer Panel	18¹/8" (460)	68¹⁵/16" (1751)
Backer Panel	18³/4" (476)	69⁹/16" (1767)

GRILLE	W	H
Flush Inset Panel	49" (1245)	9¹/4" (235)
Spacer Panel	47¹/8" (1197)	8⁵/16" (211)
Backer Panel	47³/4" (1213)	8¹⁵/16" (227)

DISPENSER (BI-48SD)	W	H
Cut-Out	5⁷/8" (149)	12⁷/16" (316)
	A	B
Cut-Out Location	2" (51)	28¹³/16" (732)

Grille panel dimensions listed are for a standard 84" (2134) finished height. For an 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) finished height, add 4" (102) to height dimensions. An 83" (2108) or 88" (2235) panel grille must be ordered to accept an 83" (2108) or 88" (2235) custom panel.

Ice and Water Dispenser

MODELS BI-42SD AND BI-48SD

For models BI-42SD or BI-48SD, the refrigerator door panel must include a cut-out to accommodate the dispenser glasswell and bezel. The thickness of the panel in this area can range from $1/4$" (6) to a maximum of $1^1/8$" (29).

IMPORTANT NOTE: Regardless of the thickness of the panel for model BI-42SD or BI-48SD, you must plan for a flat landing area for the decorative bezel surrounding the glasswell area. The illustration to the right provides exact bezel dimensions. Refer to the appropriate panel specifications page for exact cut-out location. This landing area can be accomplished in a number of different ways. These photos show two options.

One option (flush) is to rout the panel so the bezel will be flush with rails and stiles. You must rout a space to accommodate the height and width of the bezel. The width of the stile immediately to the left of the bezel must be $1^3/4$" (44). Do not cut the entire stile to this dimension.

The other option (proud) shows a boxed out landing area for the bezel using stiles and rails to create this space. In this application, the bezel will sit proud of the stiles and rails. The total thickness of the panels at this level must not exceed $1^1/8$" (29).

For overlay and flush inset models, mounting placement of the refrigerator door handle must assure proper access to the glasswell and adequate clearance under the handle. The handle placement illustration shows the relation of the refrigerator door handle to the glasswell bezel on stainless steel models.
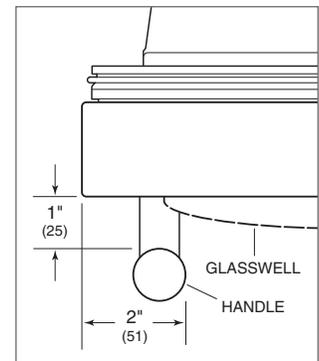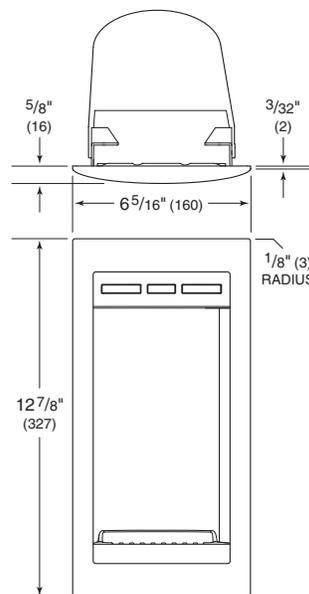
Handle placement.

Dispenser dimensions.

Flush option.

Proud option.

Side Panels

Side panels can be used with every design application. When planning for side panels with the installation of a built-in model, you need to be aware of the space configuration to achieve a pleasing fit. Depending on the exact panel you are using with your unit, the height of the panel may vary.

IMPORTANT NOTE: The use of side panels may change the width of your rough opening.

The side panel will need to be a minimum of 24" (610) deep and $^1/_2$" (13) thick. Refer to the illustrations below for side panel dimensions. Routing will be necessary so that the side panel fits flush against the side of the unit.

IMPORTANT NOTE: If you have a model BI-30U, BI-30UG, BI-36U or BI-36UG, extra routing will be necessary to prevent the panel from hitting the refrigerator lower hinge plate.

When installing a built-in unit with a custom side panel, an accessory kit is required. Stainless steel and white enamel side panels are also available through your authorized Sub-Zero dealer.
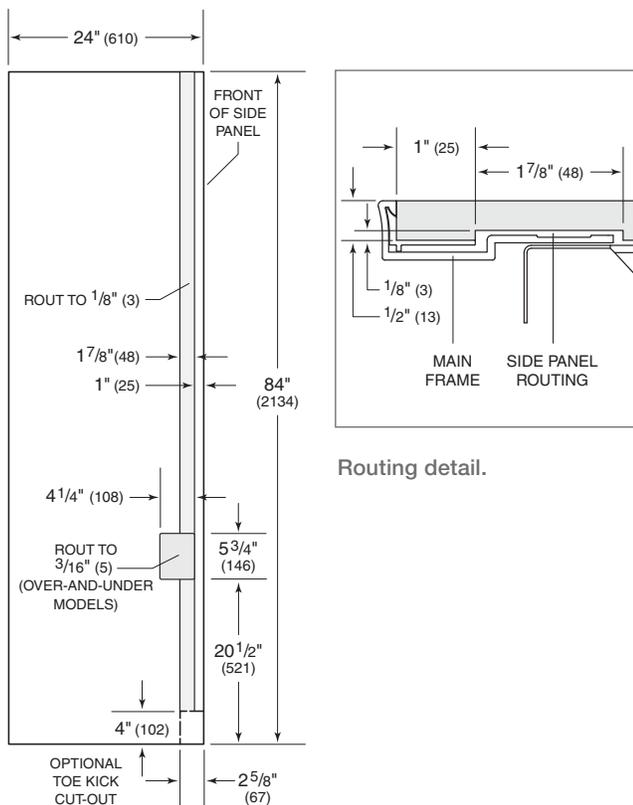
Routing detail.

Side panel dimensions.

Dual installation—standard application.

Dual Installation Panel Requirements

MAX WEIGHT PER PANEL

BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Models	50 lbs (23 kg)
Dual Wide Grille Panel	26 lbs (12 kg)

MIN PANEL THICKNESS

Framed Panels	$^1/_4"$ (6)
Overlay and Flush Inset Panels	$^5/_8"$ (16)

Dual Installation

STANDARD APPLICATION

Two overlay or stainless steel units may be placed side by side in a dual installation. Some standard applications will require a dual installation kit, available through your authorized Sub-Zero dealer. If you are installing two units side by side in a flush inset application, refer to page 32.

A custom filler strip can be used between two units in a framed, overlay or stainless steel design application. It is recommended that the filler strip be at least 2" (51) wide to prevent condensation between the units. Be sure to add the filler strip width to your rough opening width. Refer to the full-scale template on page 42.

Dual installations without a filler strip can only be accomplished using two units with opposite hinges as shown in illustration A below. The dual installations shown in illustrations B and C require a filler strip.

IMPORTANT NOTE: For the application shown in illustration A, a dual installation accessory kit is required. Refer to page 36 for information on dual installation kits.

WITHOUT FILLER STRIP

FILLER STRIP REQUIRED

FILLER STRIP REQUIRED

Illus. A   Illus. B   Illus. C

Dual Installation

STANDARD INSTALLATION

24" (610) OPENING DEPTH

TOP VIEW

24" (610) OPENING DEPTH

83 3/4" (2127) OPENING HEIGHT

A OPENING WIDTH

SIDE VIEW

FRONT VIEW
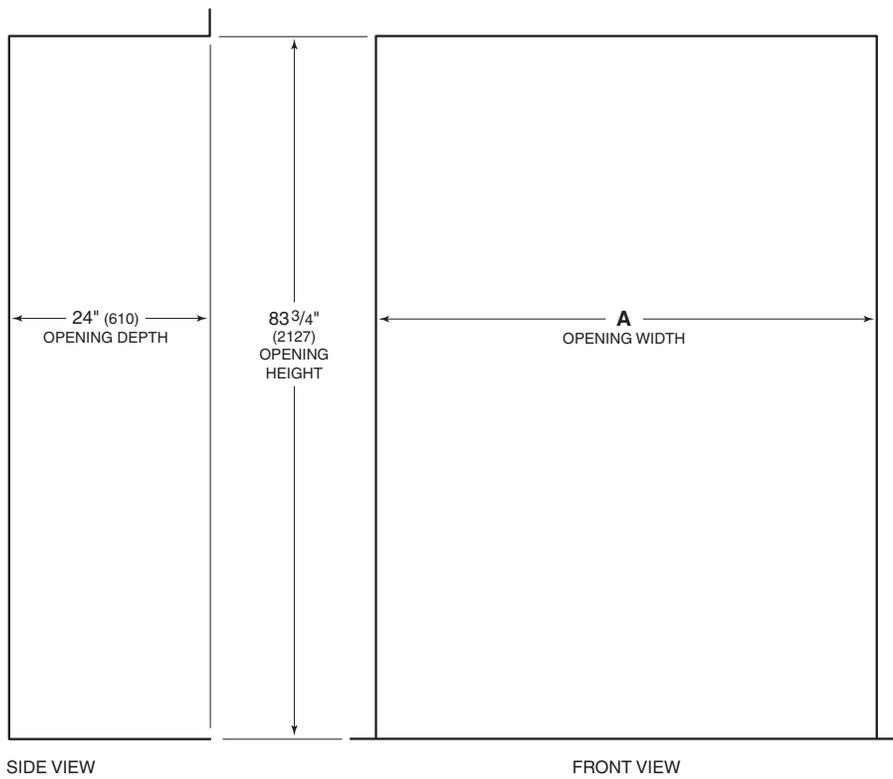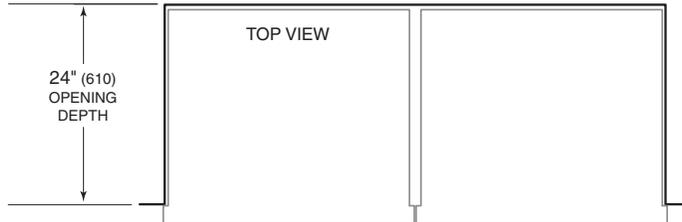
Opening Widths	A
Two 30" (762) Models	59 3/4" (1518)
30" (762) and 36" (914) Models	65 3/4" (1670)
Two 36" (914) Models	71 3/4" (1822)

IMPORTANT NOTE: A dual installation kit will be required for this installation.

Dual installation—flush inset application.

Dual Installation Panel Requirements	
MAX WEIGHT PER PANEL	
BI-36R, BI-36RG and BI-36F	75 lbs (34 kg)
All Other Models	50 lbs (23 kg)
Dual Wide Grille Panel	26 lbs (12 kg)
MIN PANEL THICKNESS	
Flush Inset Panels	$5/8"$ (16)

Dual Installation

FLUSH INSET APPLICATION

Installing two built-in models side by side in a flush inset application will require adjustments to the dimensions of your finished rough opening, panel sizes and panel offsets. It will also require a dual installation kit, available through your authorized Sub-Zero dealer.

Dual installations without a filler strip can only be accomplished using two units with opposite hinges as shown in illustration A below. The dual installations shown in illustrations B and C require a filler strip. Refer to the full-scale template on page 43. Illustration A is the only application that will accommodate the dual wide grille.

IMPORTANT NOTE: The application shown in illustration A can only be achieved by installing dual flush inset panels. Failure to install dual flush inset panels will cause the handle side of the panels to collide when closing. In this application a dual installation accessory kit is also required.

Dual flush inset panels and dual installation kits are available through your authorized Sub-Zero dealer. Refer to pages 34–35 for dual flush inset panel specifications and page 36 for information on dual installation kits.

| WITHOUT FILLER STRIP | FILLER STRIP REQUIRED | FILLER STRIP REQUIRED |

Illus. A   Illus. B   Illus. C

Dual Installation

FLUSH INSET INSTALLATION

TOP VIEW

26 3/16" (665) FLUSH INSET DEPTH

24" (610) DEPTH TO CLEAT

1 1/4" (32)

TWO UNITS WITH 3/4" (19) PANEL

CLEAT

DETAIL A

2 3/16" (56)

1/4" (6)

CLEAT

24" (610) DEPTH TO CLEAT

2 3/16" (56)

26 3/16" (665) FLUSH INSET DEPTH

83 3/4" (2127) HEIGHT TO CLEAT

84" (2134) FLUSH INSET HEIGHT

1 1/4" (32)

A WIDTH TO CLEAT

B FLUSH INSET WIDTH

1 1/4" (32)

DETAIL B

SIDE VIEW

FRONT VIEW

26 3/16" (665) FLUSH INSET DEPTH

24" (610) OPENING DEPTH TO CLEAT

TOP VIEW

CLEAT

3" (76) typical

2 3/16" (56)

1 1/4" (32)

Detail A

CLEAT

3" typical (76)

4" (102)

24" (610) OPENING DEPTH TO CLEAT

1 1/4" (32)

2 3/16" (56)

SHADED AREA MUST BE FINISHED

Detail B

Opening Widths	A	B
Two 30" (762) Models	59 3/4" (1518)	62 1/4" (1581)
30" (762) and 36" (914) Models	65 3/4" (1670)	68 1/4" (1734)
Two 36" (914) Models	71 3/4" (1822)	74 1/4" (1886)

IMPORTANT NOTE: A dual installation kit will be required for this installation.

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

Dual Installation

FLUSH INSET PANEL OFFSETS

When installing two built-in models side by side in a flush inset application, you must decrease the width of the decorative flush inset panels by $1/2$" (13). Adjustments to the panel offsets will also need to be made. These adjustments are needed to achieve a proper fit and to ensure the panels do not collide when closing. Panel dimensions in the chart below have been adjusted to reflect the decrease in panel dimensions.

IMPORTANT NOTE: If a filler strip is not used, dual installations can only be accomplished using two units with opposite hinges.

Illustrations A–F provide panel offsets and reveals for all built-in models in a flush inset application. Refer to the chart below for reference to the illustrations relating to your specific model. All reveals are $1/2$" (13) unless otherwise specified.

For additional information on model-specific panel reveals, visit the specification library section of our website, subzerotrade.com.
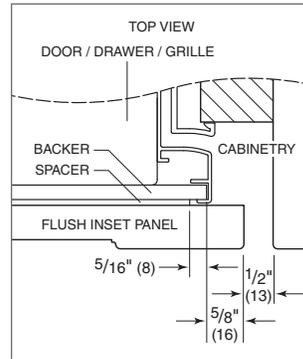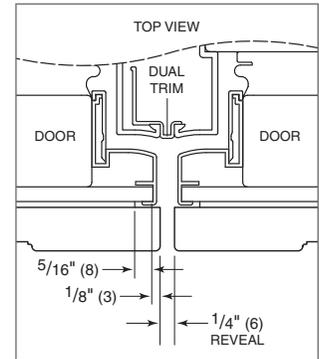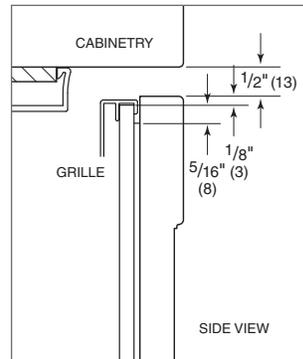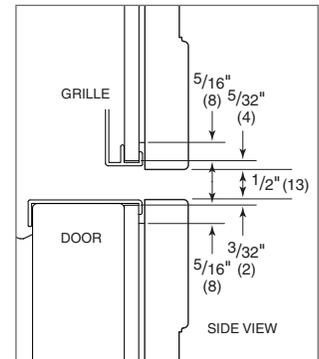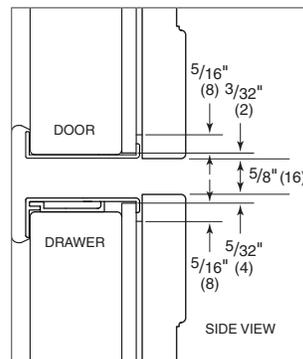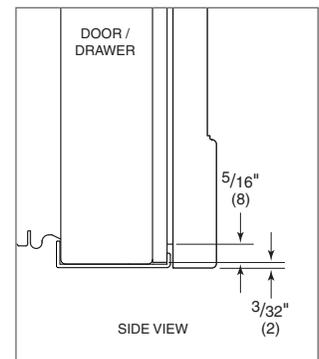
⚠ CAUTION

Do not exceed flush inset panel dimensions, as this could cause damage to panels and the Sub-Zero unit.

Panel Offsets	Illus.
ALL REFRIGERATOR / ALL FREEZER	
Doors (hinge) / Grille Sides	A
Doors (handle) Sides	B
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom	F
OVER-AND-UNDER	
Doors (hinge) / Drawer / Grille Sides	A
Doors (handle) Sides	B
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom / Drawer Top	E
Drawer Bottom	F

Illus. A

Illus. B

Illus. C

Illus. D

Illus. E

Illus. F

Dual Installation—Flush Inset Panels
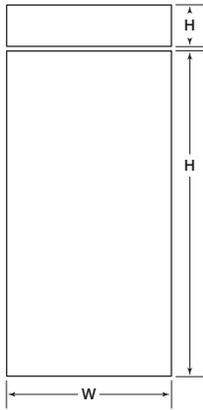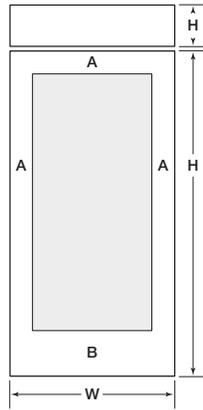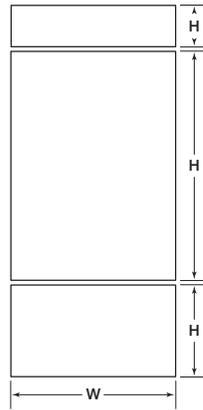
BI-36R / BI-36F   BI-36RG
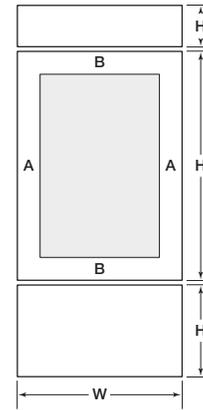
BI-30U / BI-36U   BI-30UG / BI-36UG

BI-36R, BI-36RG and BI-36F

REFRIGERATOR / FREEZER	W	H
Flush Inset Panel	$36^1/_2$" (927)	$69^3/_4$" (1772)
Spacer Panel	$35^1/_8$" (892)	$68^{15}/_{16}$" (1751)
Backer Panel	$35^3/_4$" (908)	$69^9/_{16}$" (1767)

GRILLE	W	H
Flush Inset Panel	$36^1/_2$" (927)	$9^1/_4$" (235)
Spacer Panel	$35^1/_8$" (892)	$8^5/_{16}$" (211)
Backer Panel	$35^3/_4$" (908)	$8^{15}/_{16}$" (227)

BI-36RG	W	H
Window Cut-Out	25" (635)	$54^1/_8$" (1375)
	A	B
Cut-Out Location	$5^3/_4$" (146)	$10^3/_8$" (264)

BI-30U and BI-30UG

REFRIGERATOR	W	H
Flush Inset Panel	$30^1/_2$" (775)	$50^1/_8$" (1273)
Spacer Panel	$29^1/_8$" (740)	$49^5/_{16}$" (1253)
Backer Panel	$29^3/_4$" (756)	$49^{15}/_{16}$" (1268)

FREEZER	W	H
Flush Inset Panel	$30^1/_2$" (775)	19" (483)
Spacer Panel	$29^1/_8$" (740)	$18^1/_{16}$" (459)
Backer Panel	$29^3/_4$" (756)	$18^{11}/_{16}$" (475)

GRILLE	W	H
Flush Inset Panel	$30^1/_2$" (775)	$9^1/_4$" (235)
Spacer Panel	$29^1/_8$" (740)	$8^5/_{16}$" (211)
Backer Panel	$29^3/_4$" (756)	$8^{15}/_{16}$" (227)

BI-30UG	W	H
Window Cut-Out	19" (483)	$39^5/_8$" (1006)
	A	B
Cut-Out Location	$5^3/_4$" (146)	$5^1/_4$" (133)

BI-36U and BI-36UG

REFRIGERATOR	W	H
Flush Inset Panel	$36^1/_2$" (927)	$50^1/_8$" (1273)
Spacer Panel	$35^1/_8$" (892)	$49^5/_{16}$" (1253)
Backer Panel	$35^3/_4$" (908)	$49^{15}/_{16}$" (1268)

FREEZER	W	H
Flush Inset Panel	$36^1/_2$" (927)	19" (483)
Spacer Panel	$35^1/_8$" (892)	$18^1/_{16}$" (459)
Backer Panel	$35^3/_4$" (908)	$18^{11}/_{16}$" (475)

GRILLE	W	H
Flush Inset Panel	$36^1/_2$" (927)	$9^1/_4$" (235)
Spacer Panel	$35^1/_8$" (892)	$8^5/_{16}$" (211)
Backer Panel	$35^3/_4$" (908)	$8^{15}/_{16}$" (227)

BI-36UG	W	H
Window Cut-Out	25" (635)	$39^5/_8$" (1006)
	A	B
Cut-Out Location	$5^3/_4$" (146)	$5^1/_4$" (133)

Grille panel dimensions listed are for a standard 84" (2134) finished height. For an 83" (2108) finished height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) finished height, add 4" (102) to height dimensions.

For dual wide grilles, refer to page 36.

Dual Installation Kit

INSTALLATION WITH DUAL WIDE GRILLE

This kit will replace the existing grilles that ship with the units and span the entire width of both units. The kit includes a $^1/_4$" (6) center trim strip (required for proper installation of the dual wide grille), heater, dual kickplate and mounting hardware. Dual wide grilles are available for all built-in models and design applications. The overlay dual installation kit with grille will accept overlay and dual flush inset panels. For dual wide grille panel dimensions, refer to the panel specifications below for your design application. Grille panel dimensions listed are for a standard 84" (2134) finished height.

INSTALLATION WITH INDIVIDUAL GRILLES

This kit is available for those who choose to utilize the individual grilles that ship with each unit. The kit includes a $^1/_4$" (6) filler strip (which fills the reveal between the units and grilles), heater and mounting hardware. This dual installation kit is not required if a custom filler strip is used. The filler strip should be a minimum of 2" (51) wide. Refer to the full-scale template on page 42 for more information.

Dual Wide Grille—Overlay		
TWO 30" (762) MODELS	**W**	**H**
Overlay Panel	60$^1/_4$" (1530)	9$^1/_4$" (235)
Spacer Panel	59$^3/_8$" (1508)	8$^5/_{16}$" (211)
Backer Panel	60" (1524)	8$^{15}/_{16}$" (227)
30" (762) AND 36" (914) MODELS	**W**	**H**
Overlay Panel	66$^1/_4$" (1683)	9$^1/_4$" (235)
Spacer Panel	65$^3/_8$" (1661)	8$^5/_{16}$" (211)
Backer Panel	66" (1676)	8$^{15}/_{16}$" (227)
TWO 36" (914) MODELS	**W**	**H**
Overlay Panel	72$^1/_4$" (1835)	9$^1/_4$" (235)
Spacer Panel	71$^3/_8$" (1813)	8$^5/_{16}$" (211)
Backer Panel	72" (1829)	8$^{15}/_{16}$" (227)

Dual Wide Grille—Flush Inset		
TWO 30" (762) MODELS	**W**	**H**
Flush Inset Panel	61$^1/_4$" (1556)	9$^1/_4$" (235)
Spacer Panel	59$^3/_8$" (1508)	8$^5/_{16}$" (211)
Backer Panel	60" (1524)	8$^{15}/_{16}$" (227)
30" (762) AND 36" (914) MODELS	**W**	**H**
Flush Inset Panel	67$^1/_4$" (1708)	9$^1/_4$" (235)
Spacer Panel	65$^3/_8$" (1661)	8$^5/_{16}$" (211)
Backer Panel	66" (1676)	8$^{15}/_{16}$" (227)
TWO 36" (914) MODELS	**W**	**H**
Flush Inset Panel	73$^1/_4$" (1861)	9$^1/_4$" (235)
Spacer Panel	71$^3/_8$" (1813)	8$^5/_{16}$" (211)
Backer Panel	72" (1829)	8$^{15}/_{16}$" (227)

Accessories

These optional accessories are available through your authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, subzero.com.

- Grilles for an 83" (2108) or 88" (2235) finished height.

- Framed front panels in stainless steel and white enamel.

- Flush inset and dual flush inset panels in stainless steel with tubular or pro handles.

- Custom front panel mounting kit.

- Side panel in stainless steel and white enamel.

- Stainless steel tubular and pro handles to match the style of Wolf ovens and ranges.

- Full-length standard and extended framed handles.

- Stainless steel kickplate.

- Dual installation kit with or without dual wide grille.

- Retrofit kits for use with 600 series panels.

- Partial framed kit for dispenser models.

- Dozen egg container.

- 90° door stop.

- Replacement air purification cartridge and water filter.

STANDARD HANDLES

Refer to the chart below for standard handle lengths and the stud spacing of tubular and pro handles used on built-in models.

Standard Handles	Length	Stud Spacing
FULL-HEIGHT DOOR		
Tubular Handle	$63^7/_8$" (1622)	$43^7/_8$" (1114)
Pro Handle	$45^1/_8$" (1146)	$43^7/_8$" (1114)
BI-30U(G) AND BI-36U(G) DOOR		
Tubular Handle	$44^1/_4$" (1124)	$36^1/_4$" (921)
Pro Handle	$37^1/_2$" (952)	$36^1/_4$" (921)
BI-30U(G) DRAWER		
Tubular Handle	$24^5/_{16}$" (633)	$16^5/_{16}$" (414)
Pro Handle	21" (533)	$16^5/_{16}$" (414)
BI-36U(G) DRAWER		
Tubular Handle	$30^5/_{16}$" (770)	$22^5/_{16}$" (567)
Pro Handle	$23^1/_2$" (597)	$22^5/_{16}$" (567)

Framed Panel Thickness

FULL-SCALE TEMPLATE

OPTIONAL EXTENDED
FULL-LENGTH HANDLE

STANDARD
FULL-LENGTH HANDLE

1"
(25)

2"
(51)

3"
(76)

$1^{1}/4$" (32) PANEL

1" (25) PANEL

$^{3}/4$" (19) PANEL

$^{1}/2$" (13) PANEL

$^{1}/4$" (6) FRAMED PANEL

DOOR
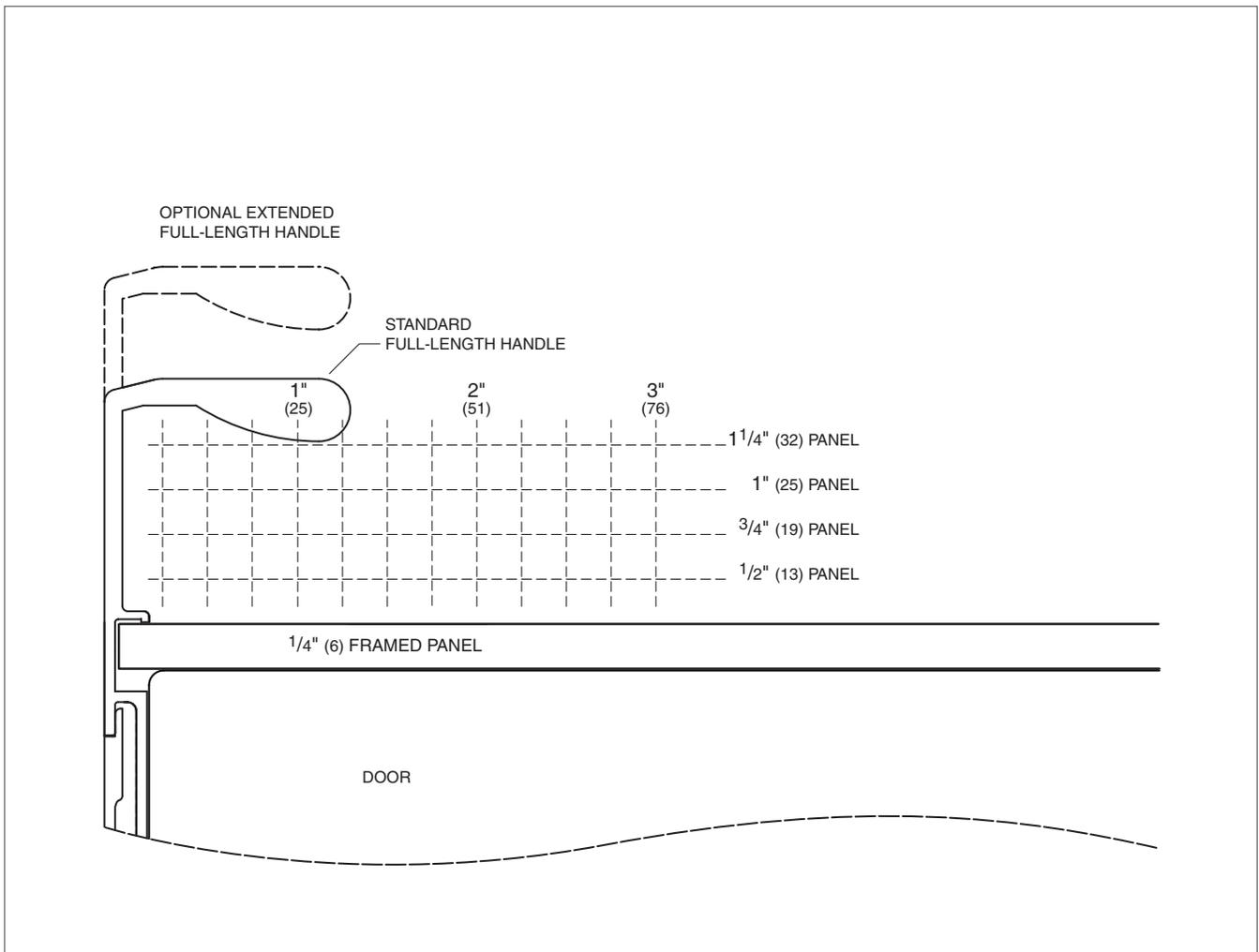
PANEL THICKNESS
FRAMED APPLICATION

Overlay Panel Thickness

FULL-SCALE TEMPLATE

Overlay and flush inset panels must be a minimum of $5/8"$ (16) thick to support mounting the handle. Panel thickness does not include backer and spacer panel. Mount handle close to the opening edge of the door.

DEPTH OF TUBULAR AND PRO HANDLES

1" (25) 2" (51) 3" (76)

$1^1/4"$ (32) PANEL
1" (25) PANEL
$3/4"$ (19) PANEL

.10" (3) SPACER PANEL
$1/4"$ (6) BACKER PANEL
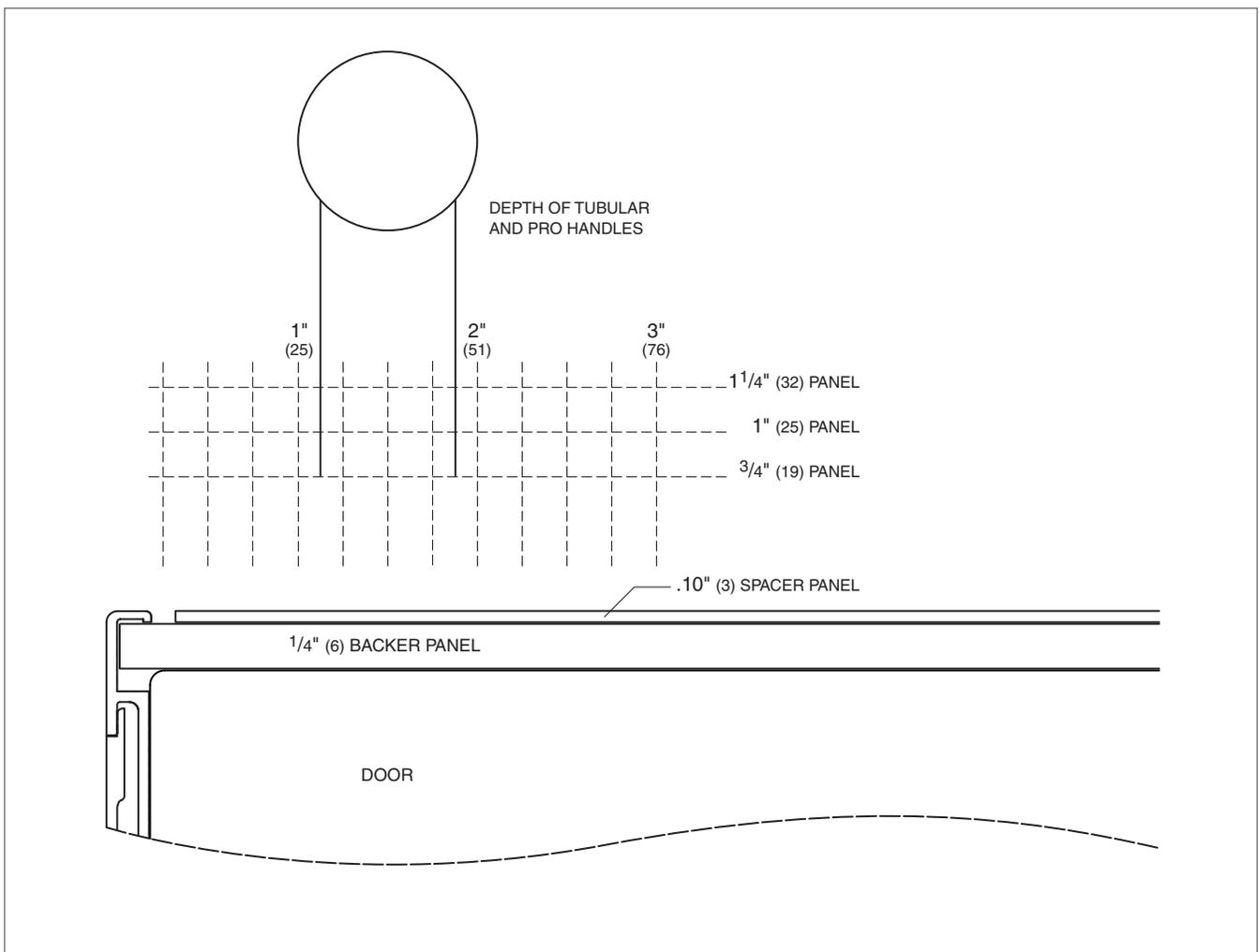
DOOR

PANEL THICKNESS
OVERLAY AND FLUSH INSET APPLICATIONS

Overlay Application

FULL-SCALE TEMPLATE

$23^7/8"$ (606)
TO REAR OF UNIT

OVERALL WIDTH OF UNIT

0" (0)

$1/4"$ (6)

$1/2"$ (13)

$3/4"$ (19)

1" (25)

$1^1/4"$ (32)

$1^1/2"$ (38)

$1^3/4"$ (44)

2" (51)

$2^1/4"$ (57)

$2^1/2"$ (63)

$2^3/4"$ (70)

3" (76)

$3^1/4"$ (83)

$3^1/2"$ (89)

1" (25) THICK
PANEL

$3/4"$ (19) THICK
OVERLAY PANEL
(TYPICAL)

$1/4"$ (6) BACKER
PANEL

0"   1" (25)

SCALE

DOOR OPENING 90°
TOP VIEW
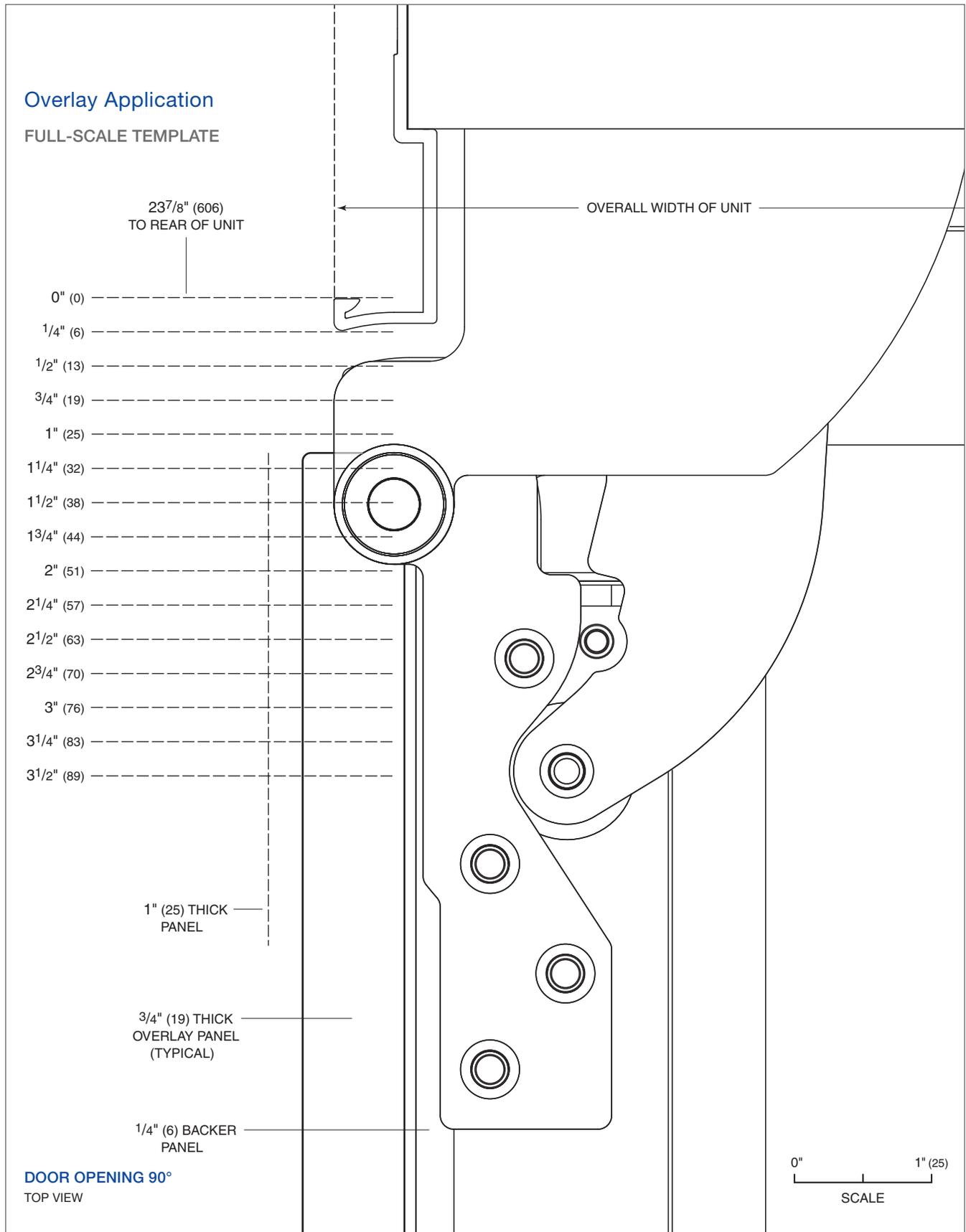
Flush Inset Application

FULL-SCALE TEMPLATE

For panels thicker than $^3/_4$" (19), a 90° door stop may be required to prevent interference with adjacent cabinets.

24" (610)
TO BACK WALL

1$^1/_4$" (32)

2$^3/_{16}$ (56)
ASSUMES
$^3/_4$" (19)
FLUSH INSET
PANEL
THICKNESS

1" (25) THICK
PANEL

$^3/_4$" (19) THICK
FLUSH INSET PANEL
(TYPICAL)

$^1/_4$" (6) BACKER
PANEL

DOOR OPENING 110°
TOP VIEW

0"   1" (25)

SCALE

FILLER STRIP

1¹/4" (32)

APPROX PROFILE OF
STAINLESS STEEL WRAPPED
DOOR AND HANDLE

DOOR
CLOSED
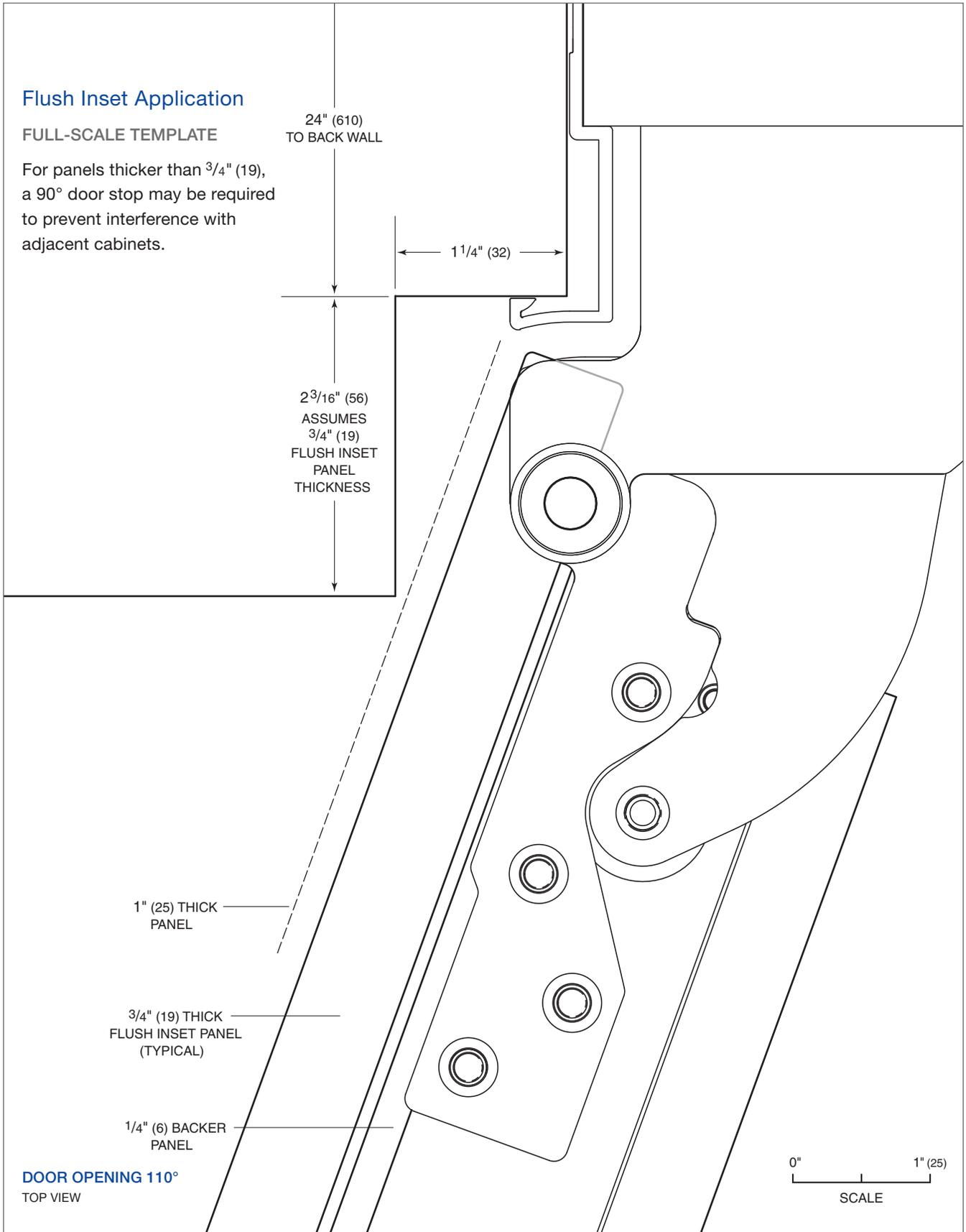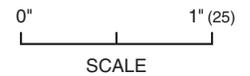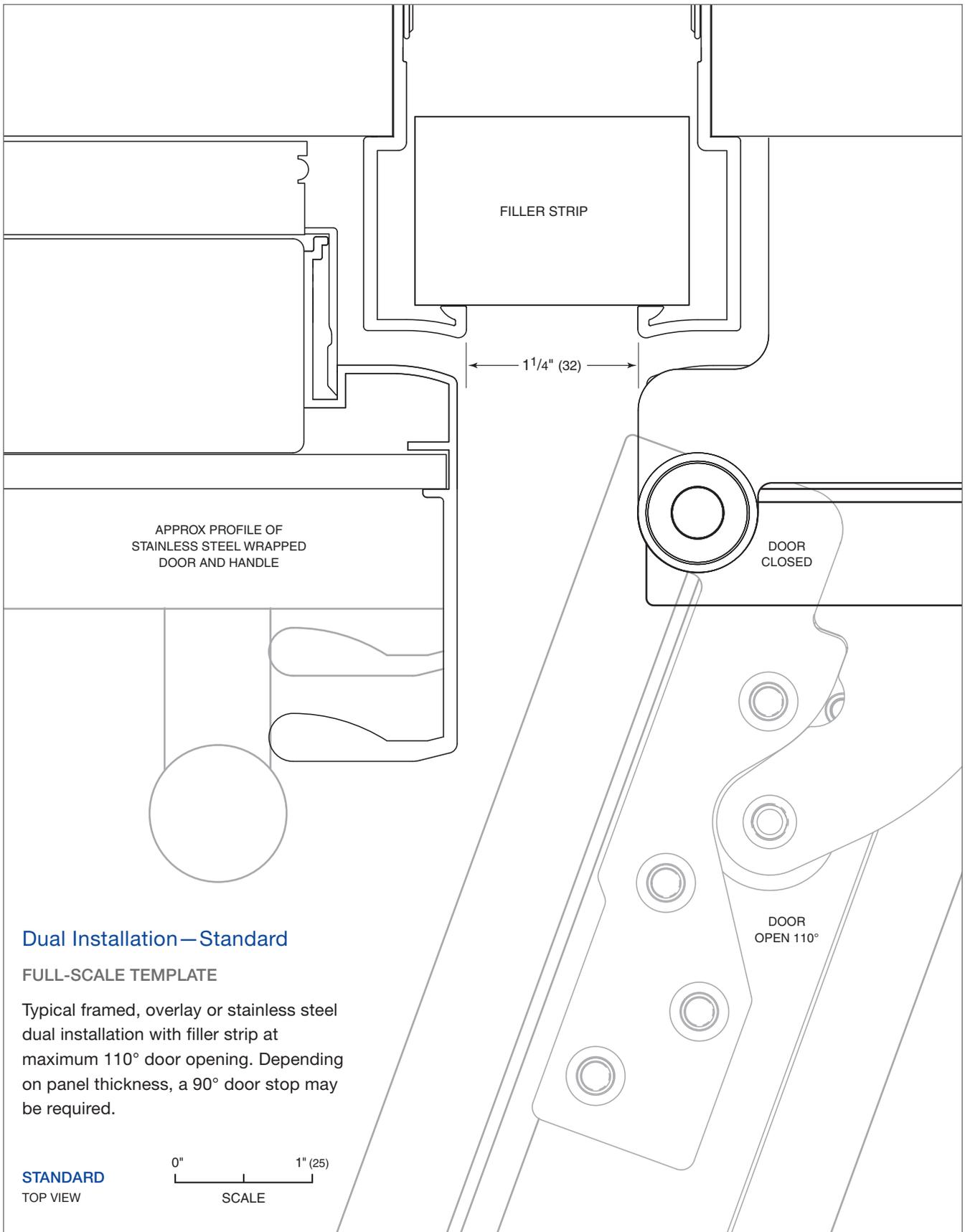
DOOR
OPEN 110°

Dual Installation—Standard

FULL-SCALE TEMPLATE

Typical framed, overlay or stainless steel
dual installation with filler strip at
maximum 110° door opening. Depending
on panel thickness, a 90° door stop may
be required.

STANDARD
TOP VIEW

0"   1" (25)

SCALE

FILLER STRIP

1 1/2" (38)

1/2" (13)

PROFILE OF 3/4" (19) FLUSH INSET PANEL
AND TUBULAR HANDLE

DOOR
CLOSED
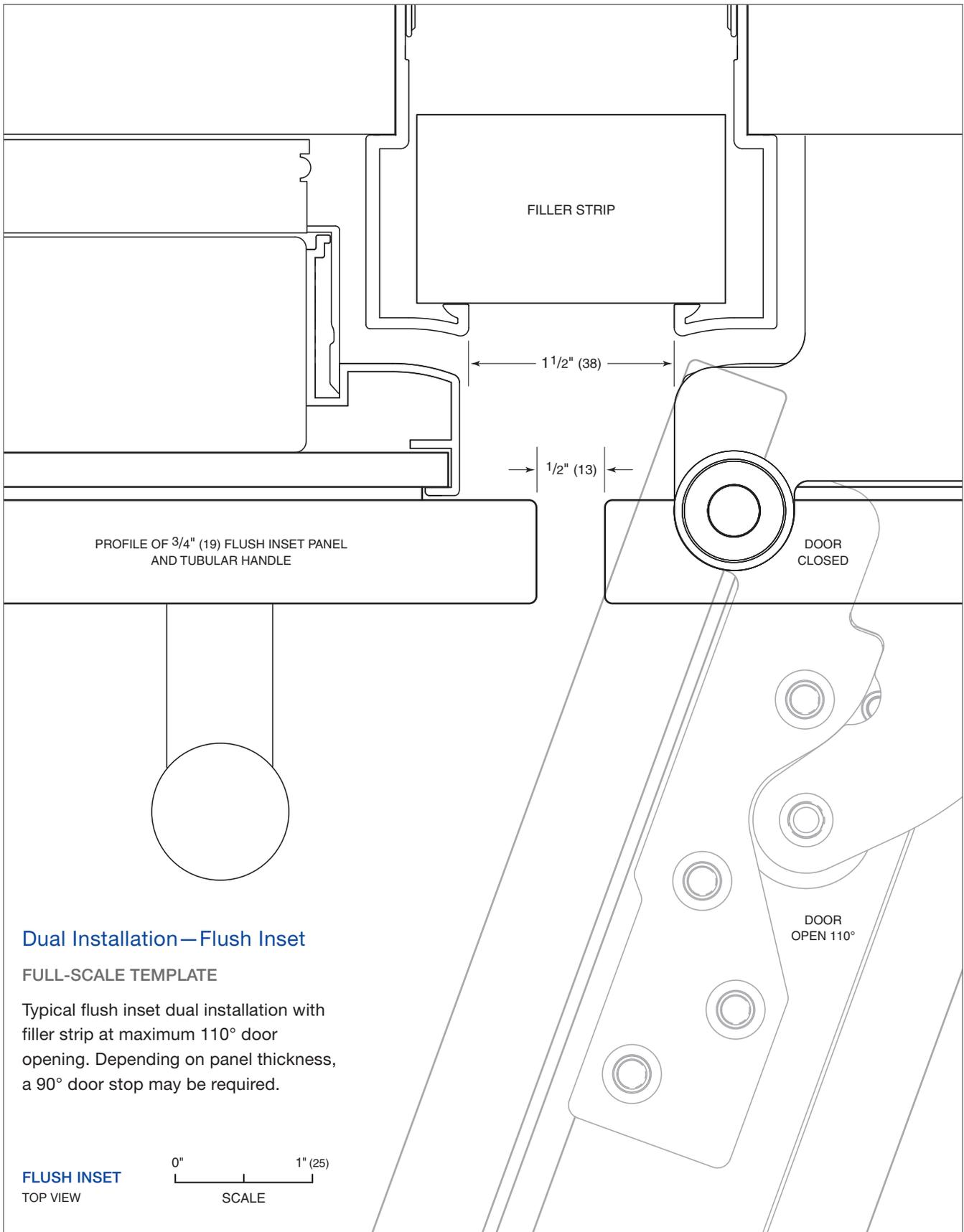
DOOR
OPEN 110°

Dual Installation—Flush Inset

FULL-SCALE TEMPLATE

Typical flush inset dual installation with
filler strip at maximum 110° door
opening. Depending on panel thickness,
a 90° door stop may be required.

FLUSH INSET
TOP VIEW

0"
1" (25)
SCALE

MODEL 648PROG

PRO 48 Refrigeration. Freshness finds unmistakable expression in the Sub-Zero PRO 48. An 800-pound monument to food preservation—equal parts sculpted metal design statement and culinary secret weapon. Its vast interior, like its bold exterior, is crafted of stainless steel. The PRO 48 is available with or without a glass door and may be either built in or freestanding.

PRO 48 MODELS
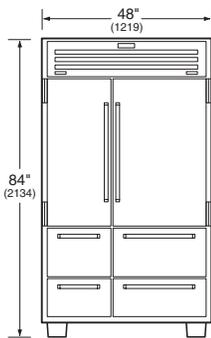
648PRO
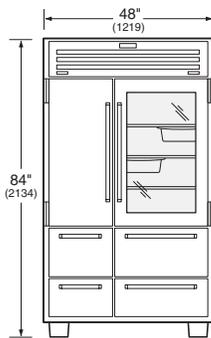
648PROG

KEY FEATURES

• Can be used freestanding or installed as a standard or flush built-in application.

• Stainless steel interior as well as exterior.

• Handles coordinate with handles of Wolf ranges.

• Dual refrigeration system enhanced with triple evaporators allow independent control of storage conditions in refrigerator cabinet and drawer compartments.

• Advanced water filtration system.

• Slide-out stainless steel bins fit neatly under refrigerator glass shelves.

• Exterior temperature display.

• Flip-up grille provides easy access for quick routine maintenance.

• Star-K certified.

PRO 48 Models

OVERALL DIMENSIONS

48" (1219)
25⁷/₈" (657)

84" (2134)
42¹/₈" (1070)
30¹/₂" (775)
4" (102)
30³/₁₆" (767)

HEIGHT DIMENSIONS ± ¹/₂" (13)

23⁷/₈" (606)
14¹/₂" (368)
21" (533)
30³/₄" (781)
2³/₈" (60)

MODELS 648PRO AND 648PROG
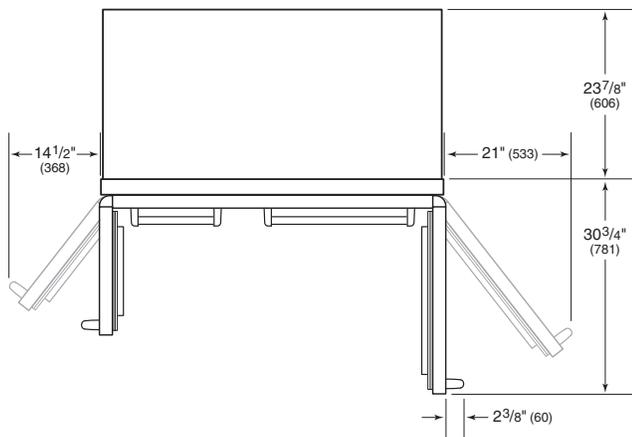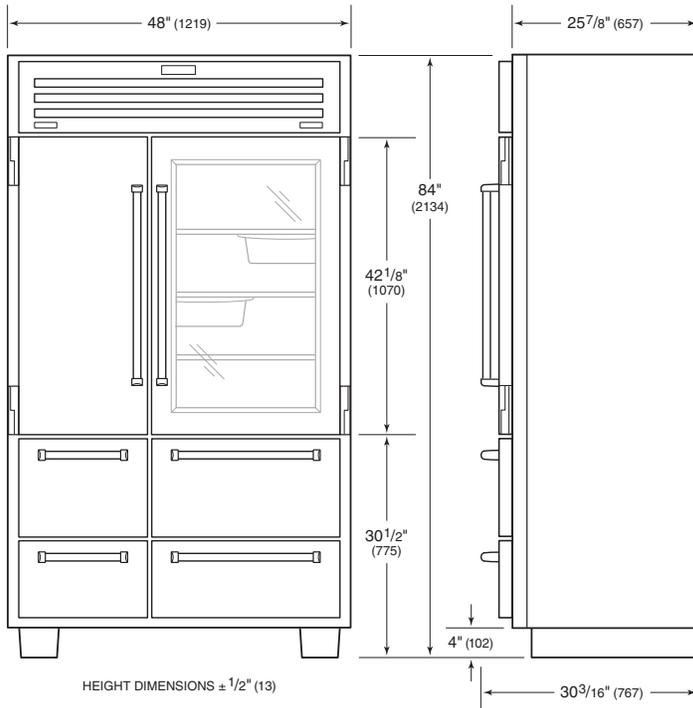
SPECIFICATIONS

Capacity / Weight		
INTERIOR CAPACITY	R CU FT (L)	F CU FT (L)
648PRO and 648PROG	18.4 (521)	11.7 (331)
SHIPPING WEIGHT		LBS (KG)
648PRO		860 (390)
648PROG		875 (397)

PRO 48 Models

STANDARD AND FLUSH BUILT-IN INSTALLATIONS

SIDE VIEW

FRONT VIEW
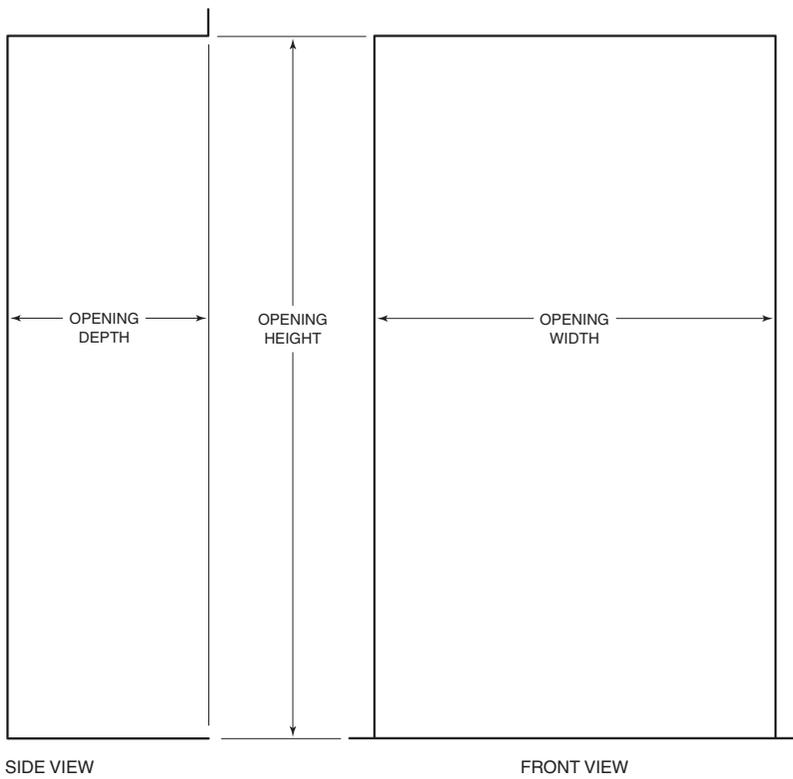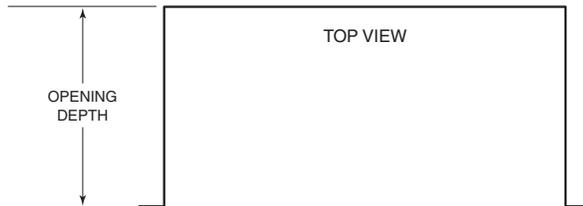
Opening Dimensions	Standard	Flush
Opening Width	$47^{1}/_{2}$" (1206)	48" (1219)
Opening Height	$83^{3}/_{4}$" (2127)	$84^{1}/_{8}$" (2137)
Opening Depth	24" (610)	26" (660)

IMPORTANT NOTE: For standard built-in installations, the face frame of the unit will extend 2" (51) beyond cabinetry. In flush built-in installations, the front of the face frame will be flush with surrounding cabinetry.

Planning Information

PRO 48 models can be used freestanding or installed as a standard or flush built-in application. For standard built-in installations, the face frame of the unit will extend 2" (51) beyond cabinetry. In flush built-in installations, the front of the face frame will be flush with surrounding cabinetry.

ELECTRICAL REQUIREMENTS

For PRO 48 models, the electrical supply should be located within the shaded area shown in the illustration below. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit, servicing only this appliance, is required. A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

Electrical Requirements	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type
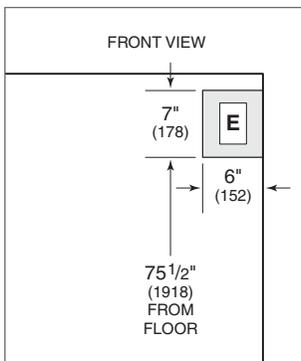
Location of electrical supply.

PLUMBING REQUIREMENTS

PRO 48 models come with an automatic ice maker and a water filtration system. 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 between the supply and the unit. Do not use self-piercing valves. A saddle valve kit is available through your authorized Sub-Zero dealer. The water line must not interfere with installation of the anti-tip bracket.

IMPORTANT NOTE: A reverse osmosis system can be used provided there is constant water pressure of 35 psi (2.4 bar) to 120 psi (8.3 bar) supplied to the unit at all times. In this application, the water filtration system must be set to bypass mode. This is achieved by removing the water filter cartridge. Refer to the PRO 48 installation guide packed with the unit for detailed instructions. 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)
Excess Water Line for Connection	36" (914)
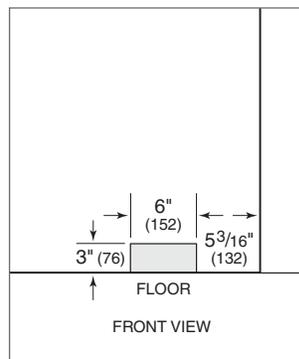
Location of water supply.

Accessories

These optional accessories are available through your authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, subzero.com.

- Stainless steel side panels and top for freestanding application.
- Stainless steel side panel.
- Stainless steel front and side kickplates.
- Slide-out stainless steel refrigerator bin.
- Refrigerator drawer dividers for compartmentalized storage.
- Dozen egg container.
- 90° door stop.
- Replacement water filter.

MODELS IC-27F, 427G (WINE) AND IC-27R

Integrated Refrigeration. With custom front panels and hardware, Sub-Zero invented integrated columns, tall and drawer models that disappear into the decor. Integrated units fit flush with other cabinets, making integrated refrigeration as practical and beautiful in the master suite, bar or theatre room as in the kitchen.

INTEGRATED MODELS
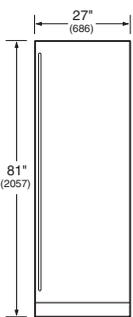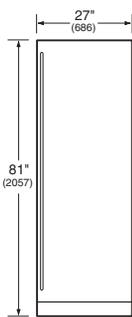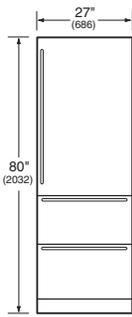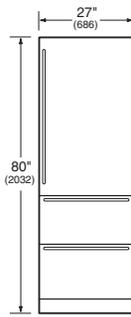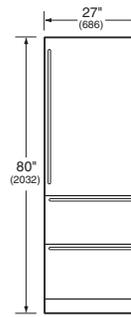
| IC-27R | IC-27FI | 700TR | 700TFI | 700TCI |

| 736TR | 736TFI | 736TCI | 700BR | 700BF(I) | 700BC(I) |
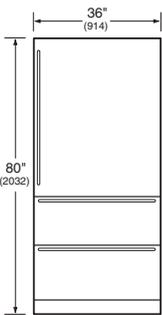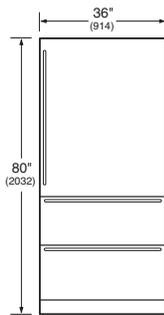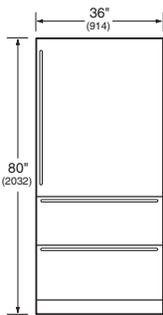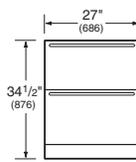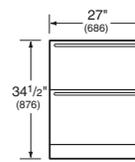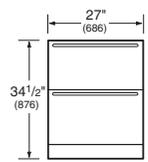
KEY FEATURES

- Custom front panels and hardware allow for infinite design options.

- Point-of-use refrigeration that can be placed anywhere in the home.

- Dual refrigeration; two compressors preserve food's goodness in self-contained compartments.

- Energy efficient; many models are ENERGY STAR® qualified.

- Drawer models are Star-K certified—column and tall models are Star-K compliant with harness kit.

Overall Dimensions

COLUMN MODELS
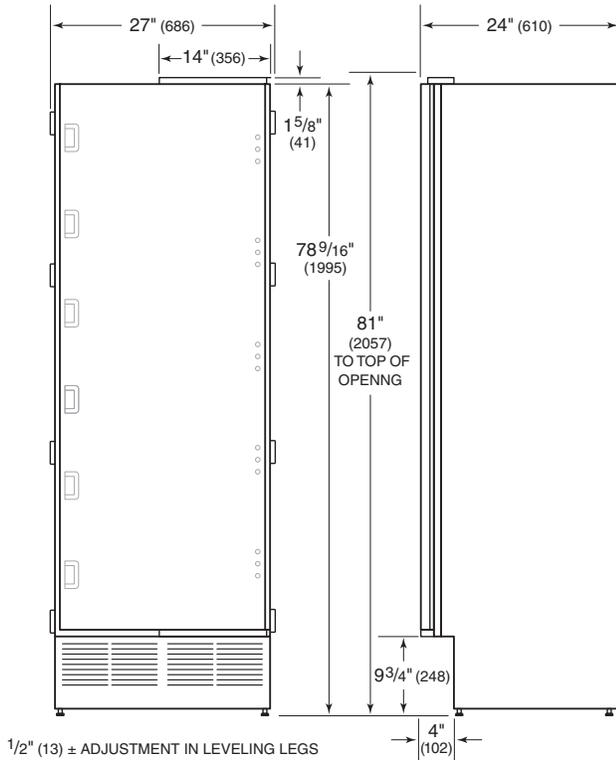
27" (686)
14" (356)
1 5/8" (41)
78 9/16" (1995)
81" (2057) TO TOP OF OPENNG
24" (610)
9 3/4" (248)
4" (102)
1/2" (13) ± ADJUSTMENT IN LEVELING LEGS
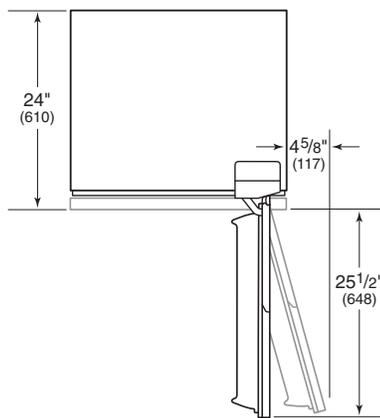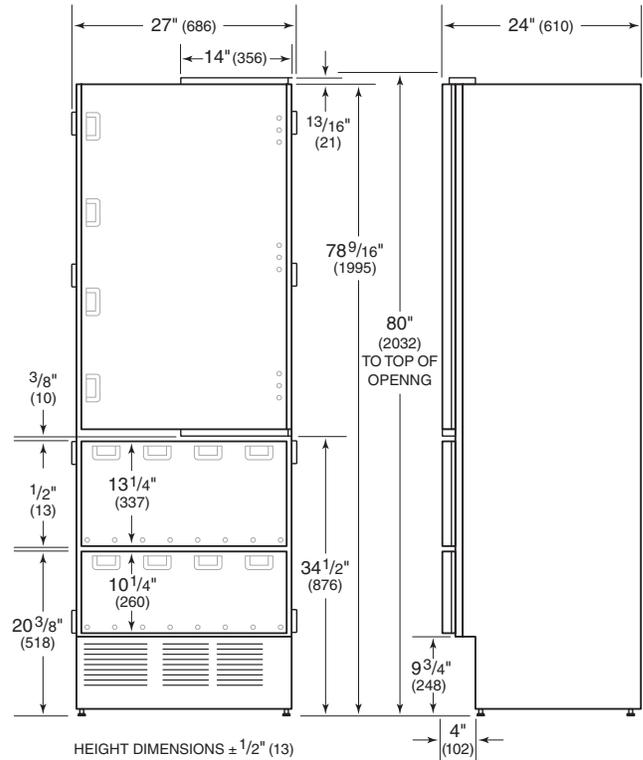
24" (610)
4 5/8" (117)
25 1/2" (648)
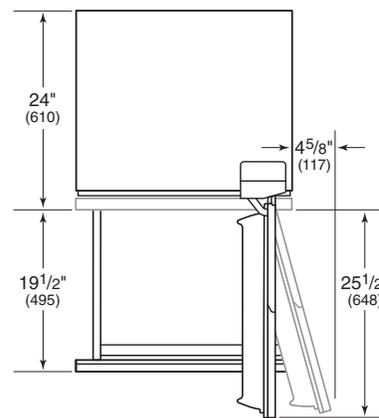
DIMENSIONS WILL VARY WITH PANEL THICKNESS

MODELS IC-27R AND IC-27FI

27" (686) TALL MODELS

27" (686)
14" (356)
13/16" (21)
78 9/16" (1995)
80" (2032) TO TOP OF OPENNG
3/8" (10)
1/2" (13)
13 1/4" (337)
10 1/4" (260)
34 1/2" (876)
20 3/8" (518)
24" (610)
9 3/4" (248)
4" (102)
HEIGHT DIMENSIONS ± 1/2" (13)

24" (610)
4 5/8" (117)
25 1/2" (648)
19 1/2" (495)

DIMENSIONS WILL VARY WITH PANEL THICKNESS

MODELS 700TR, 700TFI AND 700TCI

Overall dimensions do not include panels or handles.

Overall Dimensions

36" (914) TALL MODELS

36" (914)
14" (356)
1 5/16" (33)
77 13/16" (1976)
80" (2032) TO TOP OF OPENNG
3/8" (10)
13 1/4" (337)
1/2" (13)
34 1/2" (876)
10 1/4" (260)
20 3/8" (518)
9 3/4" (248)
4" (102)
24" (610)

HEIGHT DIMENSIONS ± 1/2" (13)

24" (610)
7" (178)
19 1/2" (495)
34 1/2" (876)

DIMENSIONS WILL VARY WITH PANEL THICKNESS

MODELS 736TR, 736TFI AND 736TCI

Overall Dimensions

DRAWER MODELS

HEIGHT DIMENSIONS ± 1/2" (13)
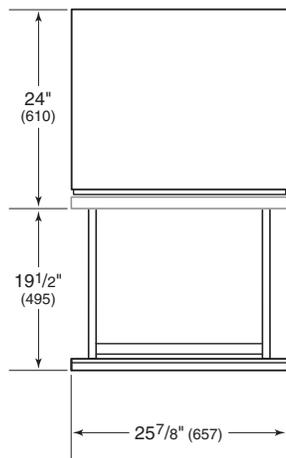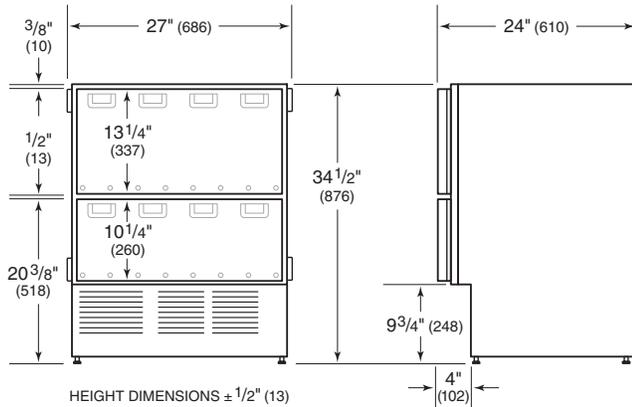
DIMENSIONS WILL VARY WITH PANEL THICKNESS

MODELS 700BR, 700BF(I) AND 700BC(I)

Capacity and Weight

Interior Capacity	R cu ft (L)	F cu ft (L)
COLUMN MODELS		
IC-27R	16.2 (459)	
IC-27FI		16.3 (462)
27" (686) TALL MODELS		
700TR	15.5 (439)	
700TFI		15.3 (433)
700TCI	10.2 (289)	5.1 (144)
36" (914) TALL MODELS		
736TR	20.9 (592)	
736TFI		21.5 (609)
736TCI	13.3 (377)	7.1 (201)
27" (686) DRAWER MODELS		
700BR	5.3 (150)	
700BF(I)		5.1 (144)
700BC(I)	2.9 (82)	2.1 (59)

Shipping Weight	lbs (kg)
IC-27R, IC-27FI, 700TR, 700TFI and 700TCI	360 (163)
736TR, 736TFI and 736TCI	480 (218)
700BR, 700BF(I) and 700BC(I)	190 (86)

Opening Dimensions

INTEGRATED MODELS
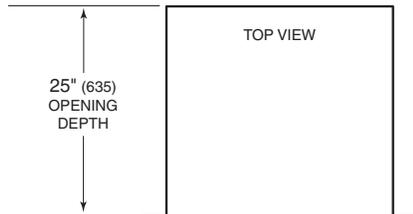
IMPORTANT NOTE: The depth of each integrated model is 24" (610) from the front of the unit to its back. Your design may necessitate moving the unit back or cabinets forward to achieve a flush fit. This will require a minimum rough opening depth of 25" (635).

TOP VIEW

25" (635)
OPENING
DEPTH

25" (635)
OPENING DEPTH

B
OPENING
HEIGHT

A
OPENING WIDTH

SIDE VIEW

FRONT VIEW
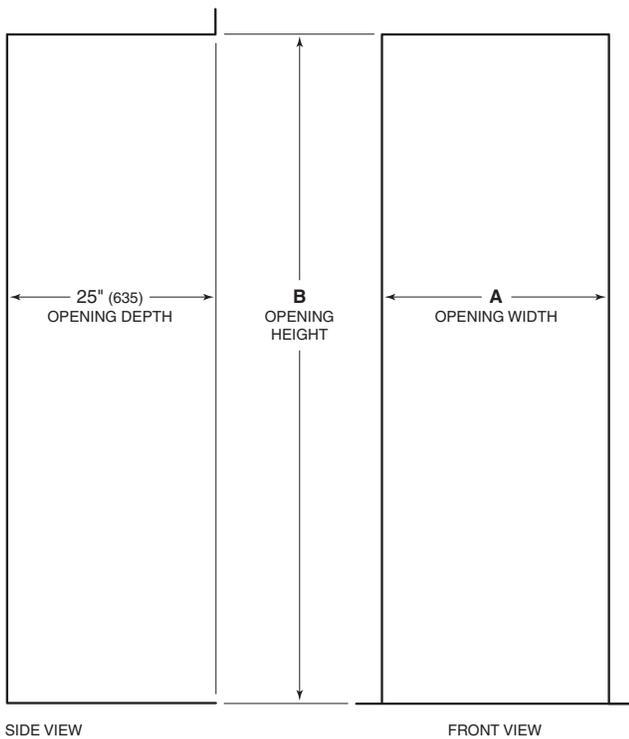
Opening Dimensions	A	B
IC-27R and IC-27FI	27" (686)	81" (2057)
700TR, 700TFI, 700TCI	27" (686)	80" (2032)
736TR, 736TFI, 736TCI	36" (914)	80" (2032)
700BR, 700BF(I), 700BC(I)	27" (686)	34$^1/_2$" (876)

Electrical Requirements

The electrical supply should be located within the shaded area shown in the illustrations. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit, servicing only this appliance, is required. A ground fault circuit inter-rupter (GFCI) is not recommended and may cause inter-ruption of operation.

**IMPORTANT NOTE:** It is critical that the electrical outlet be located within the shaded area shown so it does not inter-fere with installation of the anti-tip bracket. It must be flush with the back wall and positioned with the grounding prong to the right of the thinner blades.

Electrical Requirements	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type
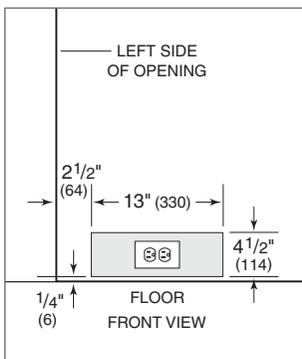
27" (686) models.
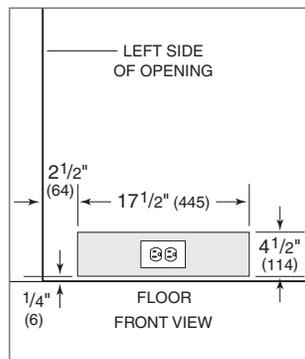
36" (914) models.

Plumbing Requirements

For integrated models with an automatic ice maker, the water supply line should be located through the floor or back wall, within the shaded area shown in the illustrations. The water supply line should be connected to the house supply with an easily accessible shut-off valve between the supply and the unit. Do not use self-piercing valves. A saddle valve kit is available through your authorized Sub-Zero dealer.

IMPORTANT NOTE: It is critical that the water line be located within the shaded area shown so it does not interfere with installation of the anti-tip bracket.

IMPORTANT NOTE: A reverse osmosis system can be used provided there is constant water pressure of 20 psi (1.4 bar) to 100 psi (6.9 bar) supplied to the unit at all times. In some cases, a reverse osmosis water filter system may not be able to maintain the minimum pressure consistently. A copper line is not recommended for this application.
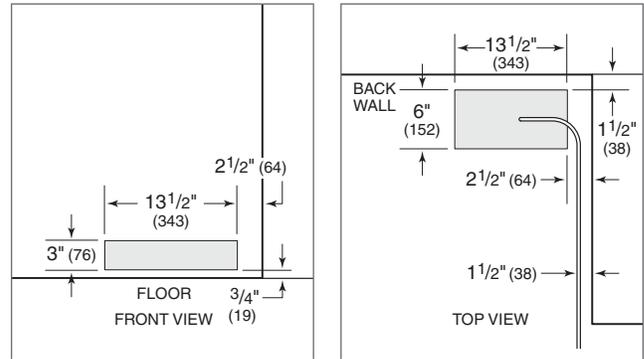
36" (914) models.

Plumbing Requirements	
Water Supply Line	$1/4$" OD copper, braided stainless steel or PEX tubing
Water Pressure	20–100 psi (1.4–6.9 bar)
Excess Water Line for Connection	27" (686)
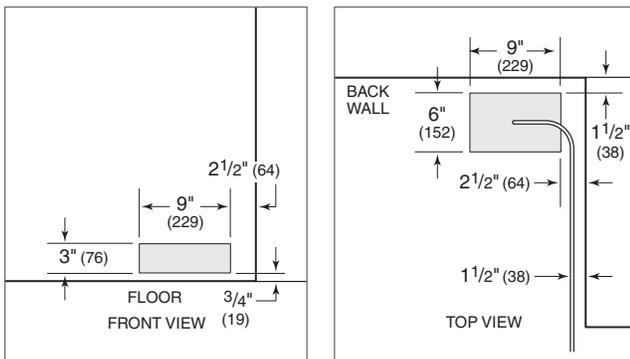
27" (686) models.

Cabinetry Applications

FRAMELESS CABINETRY
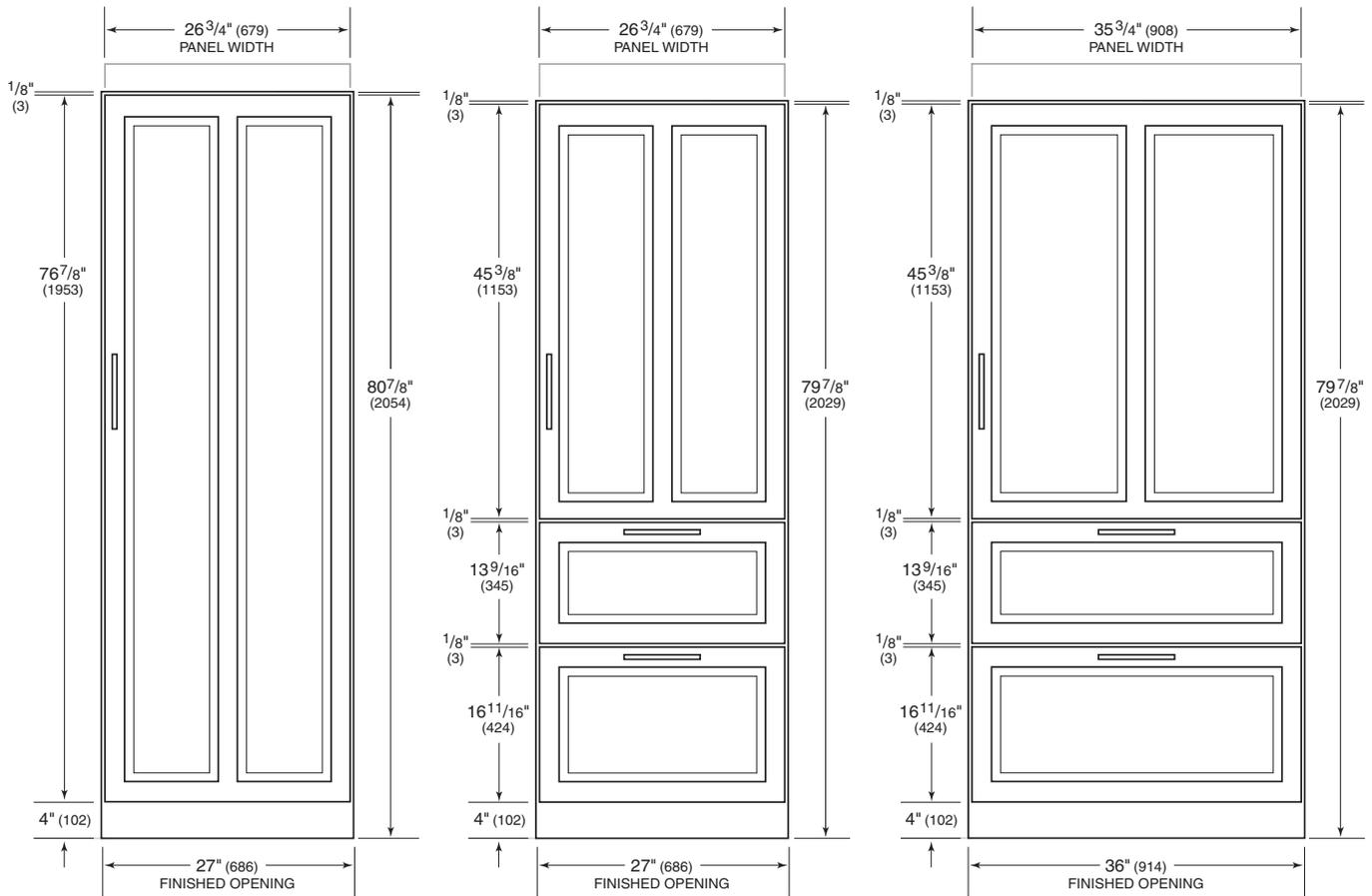
COLUMN MODELS

27" (686) TALL MODELS

36" (914) TALL MODELS

Typical Panel Dimensions		
COLUMN MODELS	**W**	**H**
Door	26³/4" (679)	76⁷/8" (1953)
27" (686) TALL MODELS	**W**	**H**
Door	26³/4" (679)	45³/8" (1153)
Top Drawer	26³/4" (679)	13⁹/16" (345)
Bottom Drawer	26³/4" (679)	16¹¹/16" (424)
36" (914) TALL MODELS	**W**	**H**
Door	35³/4" (908)	45³/8" (1153)
Top Drawer	35³/4" (908)	13⁹/16" (345)
Bottom Drawer	35³/4" (908)	16¹¹/16" (424)
DRAWER MODELS	**W**	**H**
Top Drawer	26³/4" (679)	13⁹/16" (345)
Bottom Drawer	26³/4" (679)	16¹¹/16" (424)
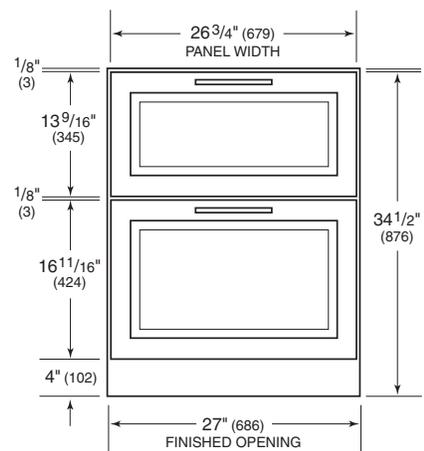
Panel dimensions are based on a ¹/8" (3) reveal. A reveal of up to ¹/4" (6) is possible with adjustments to panel dimensions.

DRAWER MODELS

Cabinetry Applications

DOOR PANEL HEIGHT

The height of the door panel can extend beyond the typical panel height, provided you do not exceed the panel weight limit. The illustration below shows how the panel may be extended and what you need to consider to finish the area behind the door panel.

IMPORTANT NOTE: The decorative valance used to finish the area behind the door panel must stay behind the front plane of the finished molding.

TOE KICK CLEARANCE

The toe kick clearance can vary with the height of the panel. You must keep a minimum space of 4" (102) clear below the bottom edge of the panel for proper venting. In addition, any decorative base molding must be removable and cannot exceed 4" (102) in height.
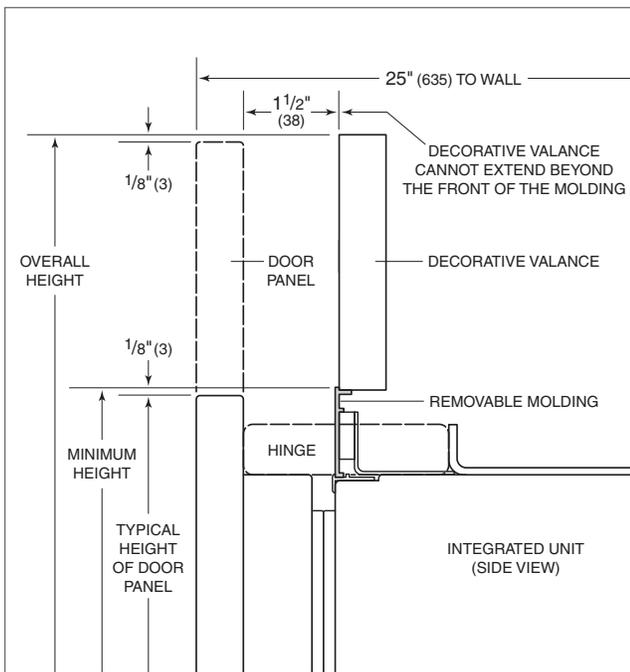
UPPER VALANCE
COLUMN AND TALL MODELS
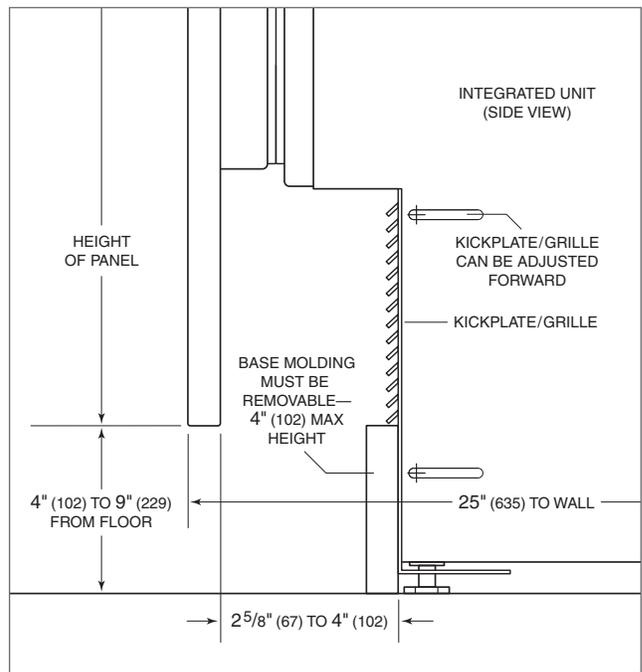
KICKPLATE / GRILLE AREA
ALL INTEGRATED MODELS

Cabinetry Applications

Integrated refrigeration is compatible with virtually any style and look of cabinetry. These models can be used with framed as well as frameless cabinetry. Because of the precise application and the look you may want to achieve, keep the following considerations in mind:

The thickness of the front panels can vary. A minimum $5/8$" (16) thick panel is required, but the thickness can be increased provided the panel weight limit is not exceeded.

IMPORTANT NOTE: The depth of each integrated model is 24" (610) from the front of the unit to its back. You must allow for the thickness of the panel you are applying when planning for the finished rough opening depth if you want the front panel to be flush with surrounding cabinetry. You may have to move the unit back into drywall or bring the cabinets forward to achieve a flush fit.

Reveals between panels can vary. A reveal of $1/8$" (3) is typical, but reveals can be increased to up to $1/4$" (6).

> **⚠ CAUTION**
>
> **As reveals between cabinetry and the unit decrease, the potential exists for severe finger pinching while the door is closing.**

> **⚠ CAUTION**
>
> **When $3/4$" (19) or thicker panels are used with a reveal of less than $1/4$" (6), door panels may cause damage to the unit when the door is opened to the maximum 105°. Use the built-in 90° door stop.**

IMPORTANT NOTE: The inside edges of the rough opening as well as the sides and a portion of the backside of the decorative panels will need to be finished, as they will be exposed when the doors are open.

D-style handles are recommended. For the cabinet door, handles must be located near the edge of the panel opposite the hinge, centered top to bottom. Locate handles in the top center area of the drawer panels.

Illustrations on the following pages show typical applications of frameless and framed cabinetry. Also refer to the full-scale illustration at the end of this section for specifics on door openings.

| Panel Requirements	
COLUMN MODELS	**MAX WEIGHT**
Door Panel	65 lbs (29 kg)
TALL AND DRAWER MODELS	**MAX WEIGHT**
27" (686) Door Panel	40 lbs (18 kg)
27" (686) Drawer Panel	12 lbs (5 kg)
36" (914) Door Panel	53 lbs (24 kg)
36" (914) Drawer Panel	16 lbs (7 kg)
PANEL THICKNESS	**MINIMUM**
All Panels	$5/8$" (16)

Cabinetry Applications

The illustrations below show typical applications of framed and frameless cabinetry. Refer to the full-scale templates at the end of this section for specifics on door openings.
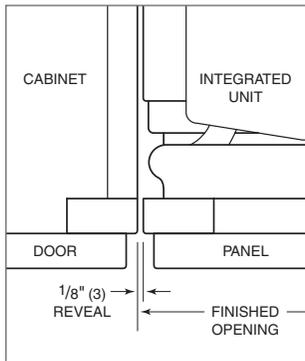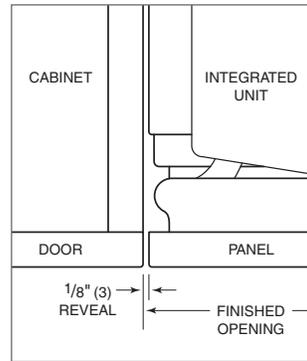

Framed—full overlay.
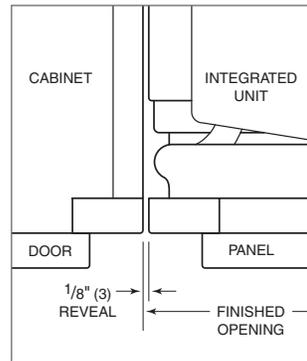
Framed—standard overlay.
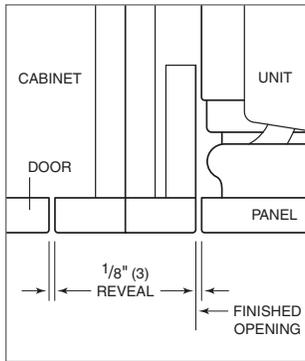

Framed—beaded inset.

Frameless cabinetry.

Dual Installations

Two integrated units may be placed side by side in a dual installation. Depending on the models specified, opening widths will be 54" (1372), 63" (1600) or 72" (1829). Panel width dimensions will vary slightly from single installations. Refer to the chart below for typical panel dimensions. The dimensions are based on a $1/8$" (3) reveal. A reveal of up to $1/4$" (6) is possible with adjustments to panel dimensions.

Typical Panel Dimensions		
COLUMN MODELS	**W**	**H**
Door	$26^{13}/_{16}$" (681)	$76^7/_8$" (1953)
27" (686) MODELS	**W**	**H**
Door	$26^{13}/_{16}$" (681)	$45^3/_8$" (1153)
Top Drawer	$26^{13}/_{16}$" (681)	$13^9/_{16}$" (345)
Bottom Drawer	$26^{13}/_{16}$" (681)	$16^{11}/_{16}$" (424)
36" (914) MODELS	**W**	**H**
Door	$35^{13}/_{16}$" (910)	$45^3/_8$" (1153)
Top Drawer	$35^{13}/_{16}$" (910)	$13^9/_{16}$" (345)
Bottom Drawer	$35^{13}/_{16}$" (910)	$16^{11}/_{16}$" (424)

A dual installation kit is required for installations with 2" (51) or less space between the units. Dual installation kits are available through your authorized Sub-Zero dealer.

IMPORTANT NOTE: If a 27" (686) unit is installed next to a 36" (914) tall unit, the decorative front panels will align, however, the face frames will not. This is only apparent when both doors are open at the same time. Due to a more robust hinge on 36" (914) units, the face frame was reconfigured to maintain a consistent overall panel height. Refer to the illustration below.
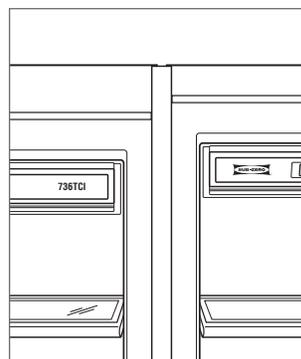
Face frame alignment.

Accessories

These optional accessories are available through your authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, subzero.com.

- Stainless steel front panels with tubular or pro handles.
- Stainless steel tubular and pro handles to match the style of Wolf ovens and ranges.
- Dual installation kit.
- Crisper drawer with shelf assembly, deli drawer with shelf and crisper cover with lid for certain models.
- Dozen egg container.
- Harness kit for Star-K compliance.

STANDARD HANDLES

Refer to the chart below for standard handle lengths and the stud spacing of tubular and pro handles used on integrated models.

Standard Handles	Length	Stud Spacing
DOOR		
Tubular Handle	$41^3/_{16}$" (1046)	$33^1/_4$" (845)
Pro Handle	$39^9/_{16}$" (1006)	$38^5/_{16}$" (973)
27" (686) MODEL DRAWERS		
Tubular Handle	$24^3/_{16}$" (614)	$16^1/_4$" (413)
Pro Handle	$20^1/_8$" (512)	$19^{11}/_{16}$" (500)
36" (914) MODEL DRAWERS		
Tubular Handle	$33^3/_{16}$" (843)	$25^1/_4$" (641)
Pro Handle	30" (762)	$28^3/_4$" (730)

Maximum Door Opening

FULL-SCALE TEMPLATE

If the panel is thicker than $3/4$" (19), use the built-in 90°
door stop to prevent damage to the panel and face frame
at the maximum door opening.

INTEGRATED
DOOR
MAXIMUM 105° OPENING

LINE OF
INTERFERENCE

105° OPENING
TOP VIEW—1/4 SCALE

LINE OF INTERFERENCE
MAXIMUM 105° OPENING

$1/8$" (3) MINIMUM REVEAL

FRAMED PANEL

$3/4$" (19)

MOUNTING BRACKET

INTEGRATED DOOR CLOSED

LINE OF INTERFERENCE

SIDE MOLDING AND
INSTALLATION HARDWARE

DOOR CLOSED
TOP VIEW—FULL-SCALE

0"   1" (25)

SCALE
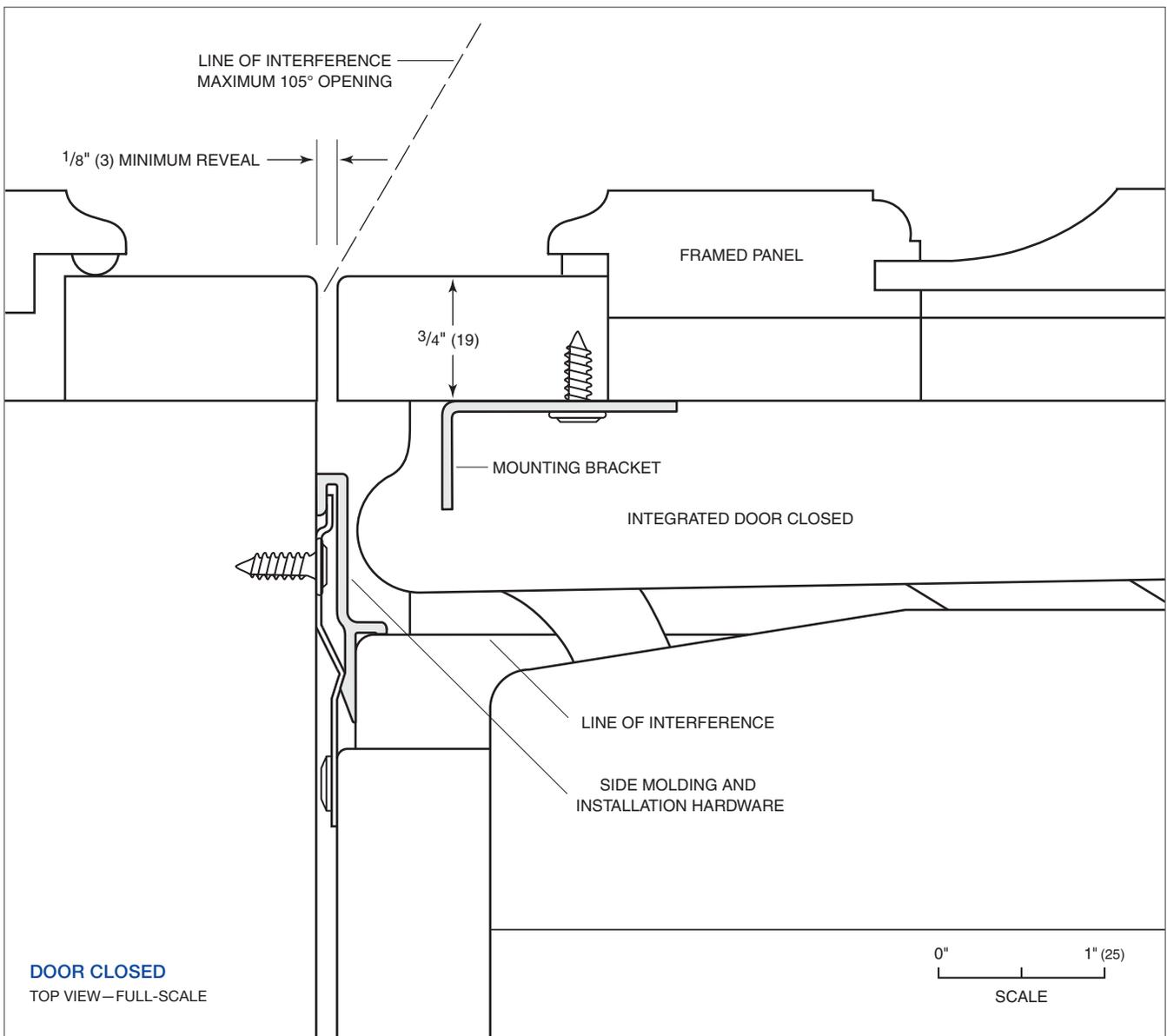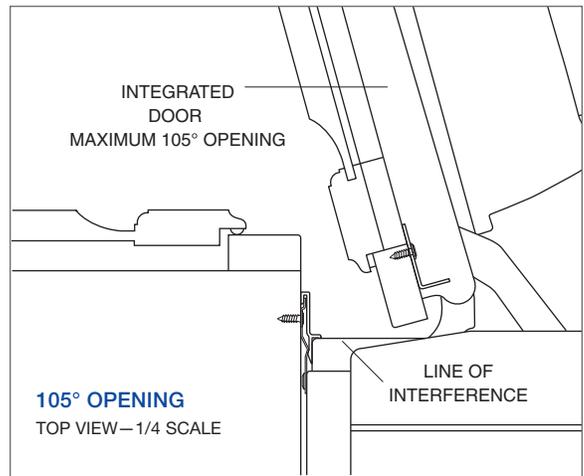
MODEL WS-30

Wine Storage. Wine finds a well-deserved place of honor in a Sub-Zero wine storage unit. Every detail is designed to ensure better wine preservation. Cherrywood-faced shelves, soft lighting, custom cabinetry if desired—Sub-Zero helps make a wine collection an element of beauty in the home.
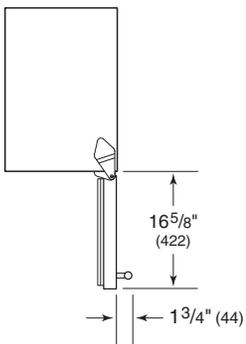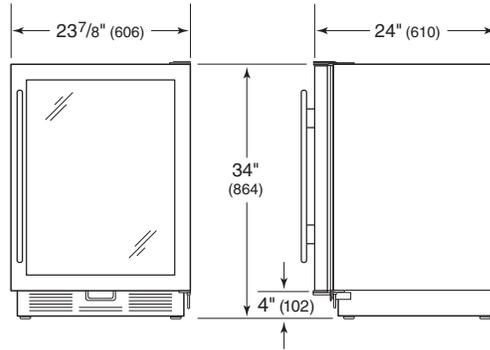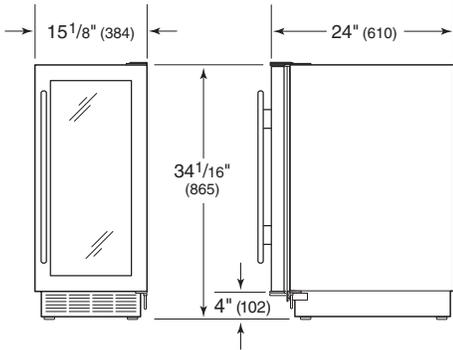
WINE STORAGE MODELS

| 315W | 424G | 424FSG | 427G | 427RG | WS-30 |
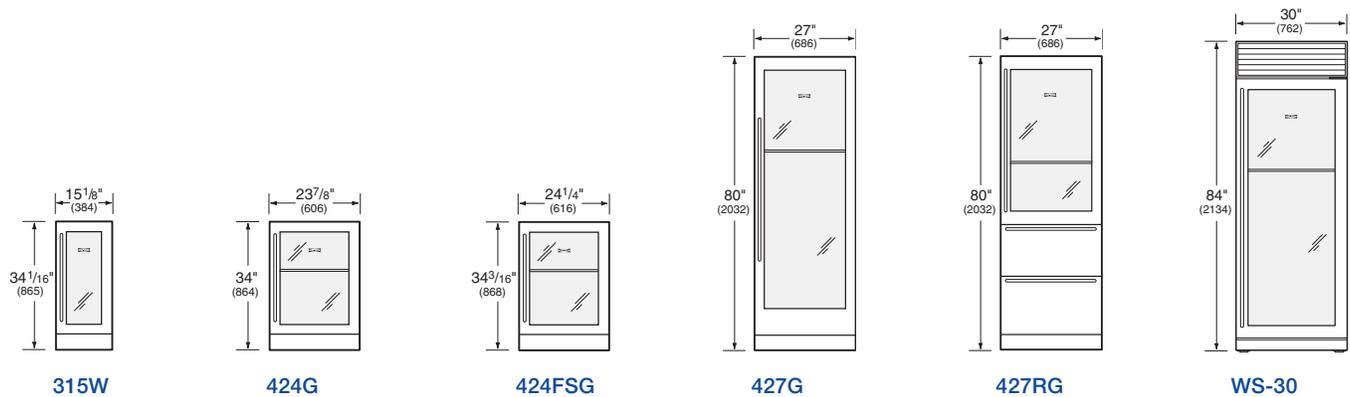
KEY FEATURES

- Integrated, overlay, flush inset and stainless steel design options.

- Full-view glass door standard on all models.

- Freestanding model 424FSG does not require panels or surrounding cabinetry.

- Discreet interior lighting with illuminated display shelf for prized bottles of wine.

- Two independent storage zones maintain temperature, humidity and UV protection.

- Roller-assembly wine shelves with natural cherrywood facing have three-quarter extension for easy access.

- Wine shelves accommodate 750 ml bottles, half-bottles and magnums.

Overall Dimensions
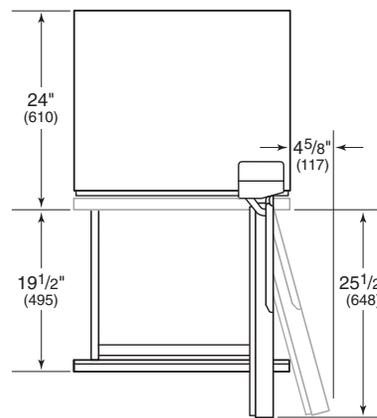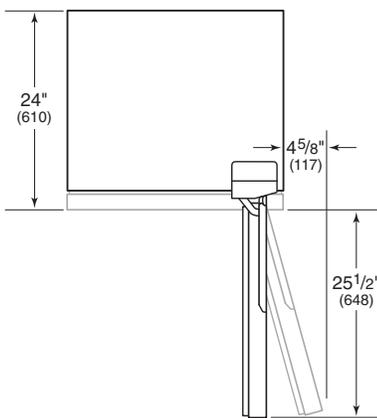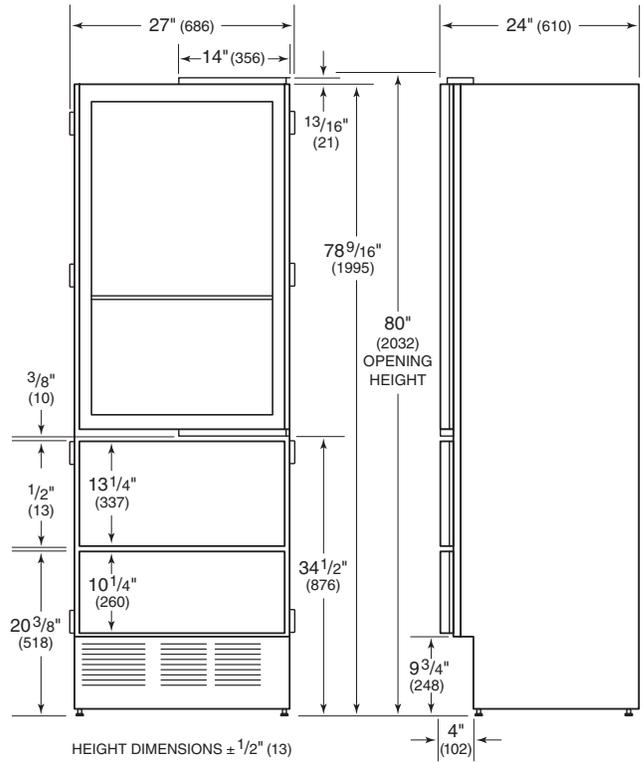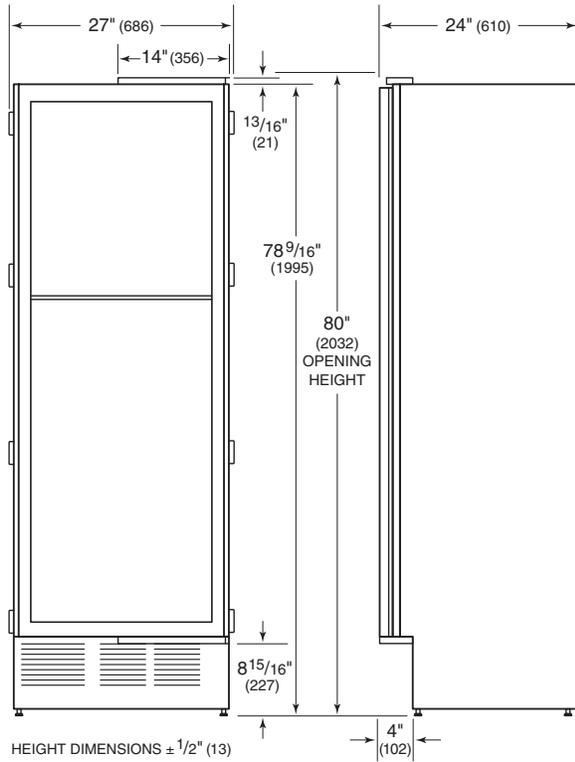
UNDERCOUNTER WINE STORAGE

15¹/₈" (384) 24" (610)

34¹/₁₆" (865)

4" (102)

16⁵/₈" (422)

1³/₄" (44)

MODEL 315W

23⁷/₈" (606) 24" (610)

34" (864)

4" (102)

25³/₈" (645)

1³/₄" (44)
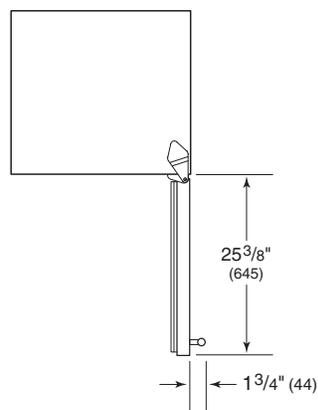
MODEL 424G

Overall dimensions are based on stainless steel panels and handles.

Overall Dimensions

FULL-SIZE WINE STORAGE

27" (686)
14" (356)
24" (610)
13/16" (21)
78 9/16" (1995)
80" (2032) OPENING HEIGHT
8 15/16" (227)
HEIGHT DIMENSIONS ± 1/2" (13)
4" (102)

27" (686)
14" (356)
24" (610)
13/16" (21)
78 9/16" (1995)
80" (2032) OPENING HEIGHT
3/8" (10)
1/2" (13)
13 1/4" (337)
10 1/4" (260)
34 1/2" (876)
20 3/8" (518)
9 3/4" (248)
HEIGHT DIMENSIONS ± 1/2" (13)
4" (102)

24" (610)
4 5/8" (117)
25 1/2" (648)

DIMENSIONS WILL VARY WITH PANEL THICKNESS

MODEL 427G

24" (610)
19 1/2" (495)
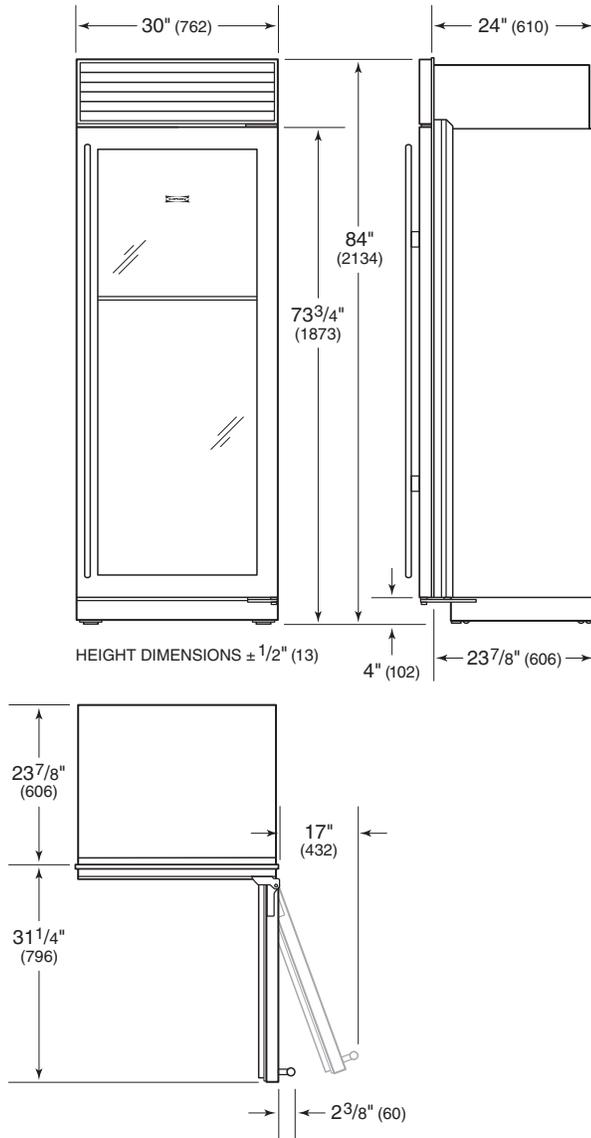4 5/8" (117)
25 1/2" (648)

DIMENSIONS WILL VARY WITH PANEL THICKNESS

MODEL 427RG
WITH REFRIGERATOR DRAWERS

Overall dimensions do not include panels or handles.

Overall Dimensions

FULL-SIZE WINE STORAGE

HEIGHT DIMENSIONS ± 1/2" (13)

MODEL WS-30

Capacity and Weight

Storage Capacity	Bottles (750 ml)	R cu ft (L)
315W	26	
424G	46	
427G	132	
427RG	78	5.3 (150)
WS-30	147	

Shipping Weight	lbs (kg)
315W	118 (54)
424G	195 (88)
424FSG	220 (100)
427G	395 (179)
427RG	410 (186)
WS-30	445 (202)

Overall dimensions are based on the stainless steel model. For flush inset applications, add 1/2" (13) to door clearance dimensions.

Opening Dimensions

UNDERCOUNTER WINE STORAGE

TOP VIEW

24" (610)
OPENING
DEPTH

24" (610)
OPENING DEPTH

$34^{1}/_{2}$" (876)
OPENING
HEIGHT

A
OPENING WIDTH

SIDE VIEW

FRONT VIEW
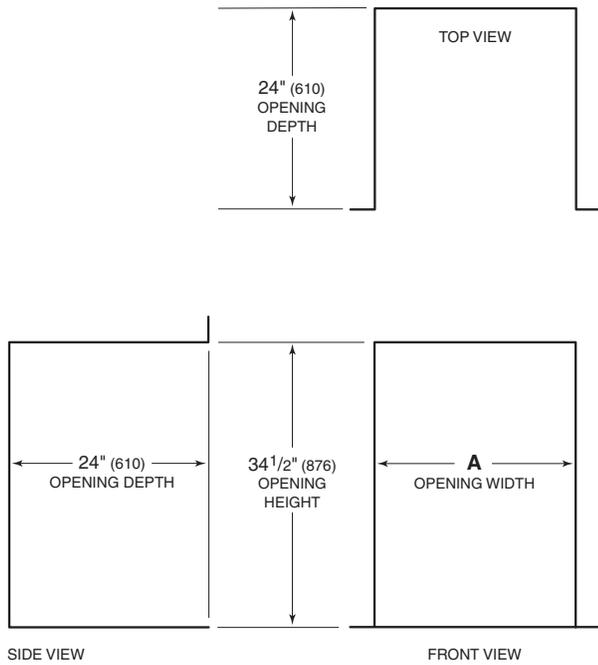
MODELS 315W AND 424G

Opening Width	A
315W	$15^{1}/_{4}$" (387)
424G	24" (610)

FULL-SIZE WINE STORAGE

TOP VIEW

25" (635)
OPENING
DEPTH

25" (635)
OPENING DEPTH

80" (2032)
OPENING
HEIGHT

27" (686)
OPENING WIDTH

SIDE VIEW

FRONT VIEW
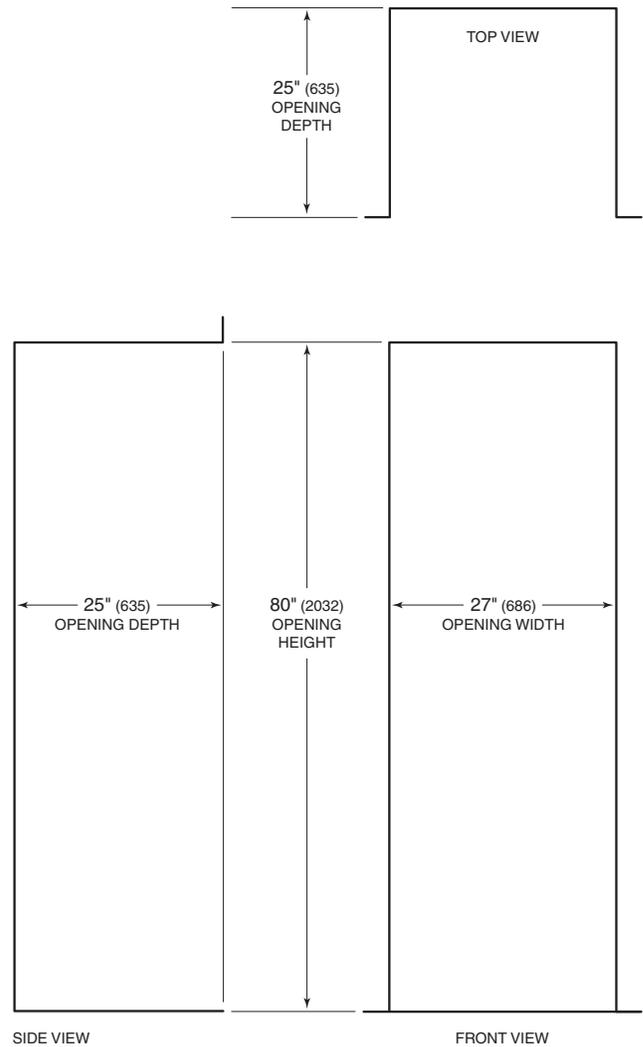
MODELS 427G AND 427RG

IMPORTANT NOTE: The depth of each integrated model is 24" (610) from the front of the unit to its back. Your design may necessitate moving the unit back or cabinets forward to achieve a flush fit. This will require a minimum rough opening depth of 25" (635).

Opening Dimensions

FULL-SIZE WINE STORAGE
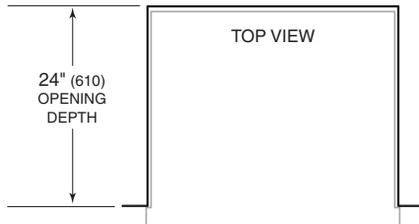
TOP VIEW

24" (610)
OPENING
DEPTH

IMPORTANT NOTE: If an 83" (2108) grille height is specified, the opening height must be decreased by $^{7}/_{8}$" (22). If an 88" (2235) grille height is specified, the opening height increases by 4" (102).

If two units are installed side by side, refer to pages 30–31 for dual standard installations.

24" (610)
OPENING DEPTH

$83^{3}/_{4}$"
(2127)
OPENING
HEIGHT

$29^{1}/_{2}$" (746)
OPENING WIDTH

SIDE VIEW

FRONT VIEW
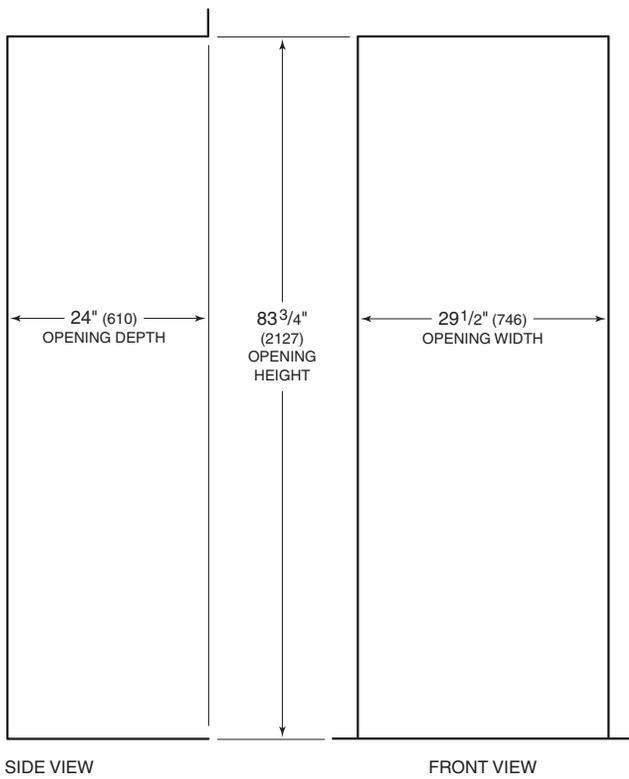
MODEL WS-30

Planning Information

ELECTRICAL REQUIREMENTS

The electrical supply should be located within the shaded area shown in the illustration for your specific model. For model 315W, the electrical supply can be located anywhere on the back wall of the opening. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit, servicing only this appliance, is required. A ground fault circuit interrupter (GFCI) is not recommended and may cause interruption of operation.

If you will be connecting the unit to a home security system, you must allow a minimum of 36" (914) of the system's wiring to be routed in the electrical area designated for your model.
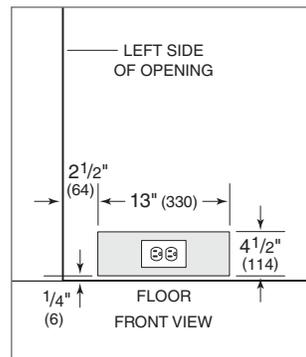
Electrical Requirements	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type
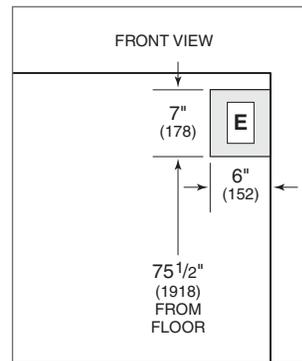
Model WS-30.
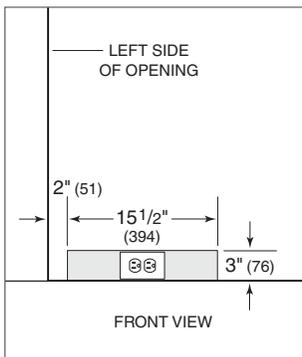
Model 424G.

Models 427G and 427RG.

Door Panels

Unless you are installing a stainless steel model, you will need to provide a frame for the glass door. If you order a stainless steel unit, models 315W, 424G, 424FSG and WS-30 will be shipped with their panels and hardware installed. For models 427G and 427RG, optional stainless steel panels or custom panels will need to be installed.

The glass door is designed to be exposed to room air circulation. Decorative overlays on the glass should be kept to a minimum. Also, rails and stiles can be increased in size but should not exceed the cabinet manufacturers' standard width and cannot exceed the overall door panel dimensions listed in the charts.

The back sides of rails and stiles that will be visible through the glass door will need to be finished. Also, the inside edges of the frames must be finished to match the front surface.

FREESTANDING MODEL 424FSG

Model 424FSG does not require any panels or surrounding cabinetry. It has a beautiful stainless steel exterior that is designed to be used in a freestanding application.

Overlay Panels

MODELS 315W AND 424G

The overlay panel applied to models 315W and 424G should not be confused with the built-in overlay panel application. The overlay panel will consist of just a frame and would be either the $5/8$" (16) or $3/4$" (19) thick panel you may be using. It is affixed directly to the door itself with screws through a series of predrilled holes in the door frame. A backer and spacer panel is not required.

Model 315W and 424G can be installed flush with surrounding cabinetry. Depending on the thickness of the overlay door panel, it may be necessary to install the unit so that it extends $1/4$" (6) beyond the front surface of surrounding cabinetry. This will prevent interference between the door panel and adjoining cabinetry at the maximum 145° door swing. Refer to the full-scale template at the end of this section.

Overlay Panels		
PANEL DIMENSIONS	**W**	**H**
315W	15" (381)	$30 1/16$" (764)
424G	$23 3/4$" (603)	$30 1/16$" (764)
MIN WIDTH		
Stiles and Rails		$2 1/4$" (57)
MAX PANEL WEIGHT		
Door Frame (315W)		10 lbs (5 kg)
Door Frame (424G)		10 lbs (5 kg)
MIN PANEL THICKNESS		
All Panels		$5/8$" (16)

Integrated Panels

MODELS 427G AND 427RG

The integrated full panels or frame panels for glass doors for these models will follow some of the identical planning processes used with the integrated line. The installation of the door panels is completely different, however. Rather than using the mounting hardware we used with the integrated line, door panels for both models 427G and 427RG will be applied with screws applied through our door.

The drawer panels for the model 427RG will be applied using the integrated technique of mounting brackets.

IMPORTANT NOTE: The depth of models 427G and 427RG is 24" (610) from the front of the unit to its back. You must allow for the thickness of the panel you are applying when planning for the finished rough opening depth if you want the front panel to be flush with surrounding cabinetry. You may have to move the unit back into the drywall or bring the cabinets forward. Refer to the integrated section.

Panel dimensions listed in the chart assume the models finish off at 80" (2032) in height overall and have a 4" (102) toe kick for the model 427G. If you finish off at 84" (2134), for instance, you must add an additional 4" (102) to the finished height of the panel and 4" (102) to the top rail. Likewise, if you allow for a 6" (152) toe kick for the model 427G, you must subtract 2" (51) from the bottom rail.

The height of the door panel for models 427G and 427RG can extend beyond the typical panel height, provided you do not exceed the panel weight limit. Refer to specifications on page 59 of the integrated section.

The toe kick area on model 427G cannot be larger than 6" (152), and on model 427RG, no larger than 9" (229). The toe kick area for either model cannot be less than 4" (102).

If you are installing an optional lock kit on models 427G or 427RG, you may have to order door panels that exceed the 80" (2032) finished height. Consult the lock kit installation instructions and see if your panels will allow for an adequate installation. These instructions are available on our website, subzero.com.

Integrated Panels		
427G	W	H
Door	$26^3/_4$" (679)	$75^7/_8$" (1927)
427RG	W	H
Door	$26^3/_4$" (679)	$45^3/_8$" (1153)
Top Drawer	$26^3/_4$" (679)	$13^9/_{16}$" (345)
Bottom Drawer	$26^3/_4$" (679)	$16^{11}/_{16}$" (424)

Panel Requirements	
MIN WIDTH	
Stiles	$2^1/_4$" (57)
Top Rail	$3^3/_4$" (95)
Bottom Rail (427G)	8" (203)
Bottom Rail (427RG)	3" (76)
MAX PANEL WEIGHT	
Door Frame	20 lbs (9 kg)
Drawer Panel (427RG)	12 lbs (5 kg)
MIN PANEL THICKNESS	
All Panels	$^5/_8$" (16)

DUAL INSTALLATIONS

For information on dual installations for models 427G and 427RG, refer to the integrated dual installations section on page 61.
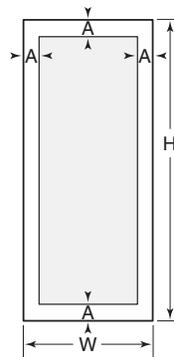
Model WS-30

FRAMED PANEL

If the thickness of the framed panel is less than $^1/_4$" (6), it must be backed up with a sheet of shim material to build the total thickness to $^1/_4$" (6). If the panel is thicker than $^1/_4$" (6), a routed edge must be provided around the panel to ensure a proper fit. Refer to the illustration below.

Routing, recessing or an extended handle may be required on raised panels for finger clearance under the handle.

IMPORTANT NOTE: Do not cover the glass door with a solid panel. The window cut-out edges of the framed panel will need to be finished, as they will be exposed.

Framed Panel Requirements	
MODEL WS-30	
Max Panel Weight	75 lbs (34 kg)
Min Panel Thickness	$^1/_4$" (6)

Raised framed panel.

FRAMED PANEL SPECIFICATIONS

WS-30 Framed		
DOOR	**W**	**H**
Door Panel	$29^3/_4$" (756)	$69^9/_{16}$" (1767)
WINDOW	**W**	**H**
Cut-Out	$23^1/_2$" (597)	$63^5/_{16}$" (1608)
		A
Location		$3^1/_8$" (79)
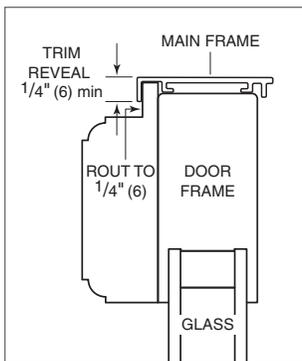
Model WS-30

OVERLAY PANEL

Overlay model WS-30 can be used in an overlay or flush inset application. The specific application will affect panel sizes, opening dimensions and the installation.

Overlay model WS-30 will be shipped without handle hardware and with an overlay panel grille as standard equipment. Along with the door panel, you will need to provide a panel for the grille and hardware to complement your surrounding cabinetry.

The overlay design allows the decorative panel to cover the door trim for a more seamless appearance. The most common way to achieve this look is to work with three panels—the decorative overlay panel, which is typically $3/4$" (19), a .10" (3) spacer panel and a $1/4$" (6) backer panel. Depending on your cabinet manufacturer, this could be one panel routed for different dimensions. The illustrations below will give you a better idea of the panel construction and how it interacts with our frame. The size of the overlay panel is critical, it must fit over the door frame.

IMPORTANT NOTE: Do not cover the glass door with a solid panel. The window cut-out edges of the overlay, spacer and backer panels will need to be finished, as they will be exposed.
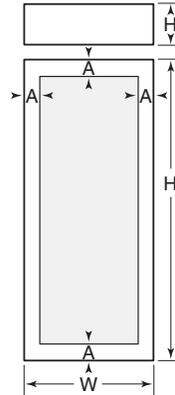
Overlay Panel Requirements	
MODEL WS-30	
Max Panel Weight	75 lbs (34 kg)
Min Panel Thickness	$5/8$" (16)
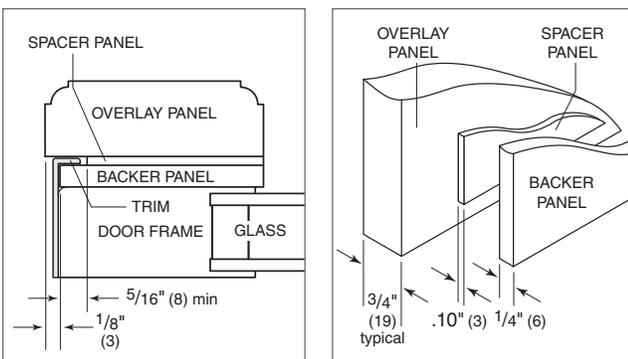
OVERLAY PANEL SPECIFICATIONS

WS-30 Overlay		
DOOR	**W**	**H**
Overlay Panel	30" (762)	$69^{3}/_{4}$" (1772)
Spacer Panel	$29^{1}/_{8}$" (740)	$68^{15}/_{16}$" (1751)
Backer Panel	$29^{3}/_{4}$" (756)	$69^{9}/_{16}$" (1767)
GRILLE	**W**	**H**
Overlay Panel	30" (762)	$9^{1}/_{4}$" (235)
Spacer Panel	$29^{1}/_{8}$" (740)	$8^{5}/_{16}$" (211)
Backer Panel	$29^{3}/_{4}$" (756)	$8^{15}/_{16}$" (227)
WINDOW	**W**	**H**
Cut-Out	$23^{1}/_{2}$" (597)	$63^{1}/_{4}$" (1607)
		A
Location		$3^{1}/_{4}$" (83)

Grille panel dimensions listed are for a standard 84" (2134) overall height of the unit. For an 83" (2108) overall height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) overall height, add 4" (102) to height dimensions.

⚠ CAUTION
Do not exceed overlay panel dimensions, as this could cause damage to panels and the Sub-Zero unit.

Panel assembly cross section.   Panel assembly rear view.

Model WS-30

FLUSH INSET PANEL

Overlay model WS-30 used in a flush inset application allows the decorative panel to cover the door trim for a seamless appearance. The most common way to achieve this look is to work with three panels—the decorative flush inset panel, which is typically $3/4$" (19), a .10" (3) spacer panel and a $1/4$" (6) backer panel. Depending on your cabinet manufacturer, this could be one panel routed for different dimensions. The illustrations below will give you a better idea of the panel construction and how it interacts with our frame. The size of the flush inset panel is critical, it must fit over the door frame.

IMPORTANT NOTE: Do not cover the glass door with a solid panel. The inside edges of the rough opening as well as the sides and a portion of the back side of the decorative panels will need to be finished, as they will be exposed when the doors are open. The window cut-out edges of the overlay, spacer and backer panels will also need to be finished.

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

Flush Inset Panel Requirements	
MODEL WS-30	
Max Panel Weight	75 lbs (34 kg)
Min Panel Thickness	$5/8$" (16)
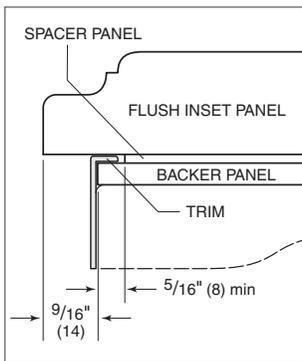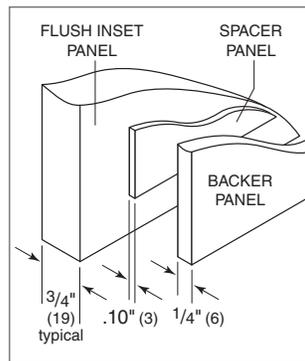
FLUSH INSET PANEL SPECIFICATIONS
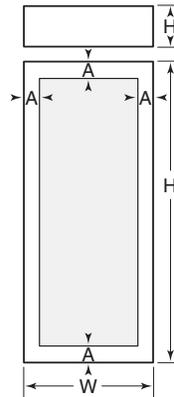
WS-30 Flush Inset		
DOOR	**W**	**H**
Flush Inset Panel	31" (787)	$69^3/4$" (1772)
Spacer Panel	$29^1/8$" (740)	$68^{15}/16$" (1751)
Backer Panel	$29^3/4$" (756)	$69^9/16$" (1767)
GRILLE	**W**	**H**
Flush Inset Panel	31" (787)	$9^1/4$" (235)
Spacer Panel	$29^1/8$" (740)	$8^5/16$" (211)
Backer Panel	$29^3/4$" (756)	$8^{15}/16$" (227)
WINDOW	**W**	**H**
Cut-Out	$23^1/2$" (597)	$62^1/4$" (1581)
		A
Location		$3^3/4$" (95)

Grille panel dimensions listed are for a standard 84" (2134) overall height of the unit. For an 83" (2108) overall height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) overall height, add 4" (102) to height dimensions.

> **⚠ CAUTION**
>
> **Do not exceed flush inset panel dimensions, as this could cause damage to panels and the Sub-Zero unit.**

Panel assembly cross section.

Panel assembly rear view.

Model WS-30

FLUSH INSET PANEL

Illustrations A–D provide panel offsets and reveals for model WS-30 in a flush inset application. Refer to the chart below for reference to the illustrations.

For additional information on panel reveals, visit the specification library section of our website, subzerotrade.com.
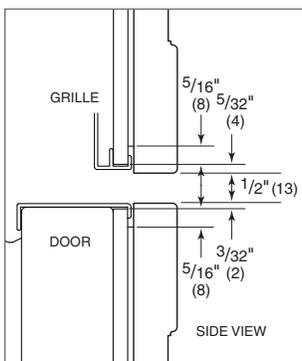
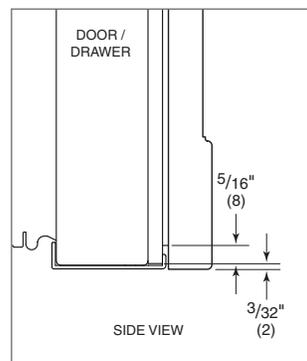| Panel Offsets	Illus.
MODEL WS-30	
Door / Grille Sides	A
Grille Top	B
Grille Bottom / Door Top	C
Door Bottom	D
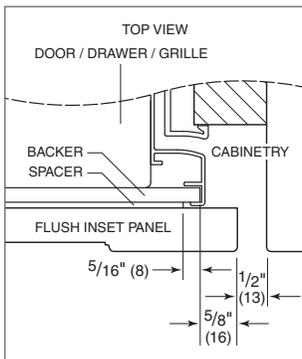
Illus. A
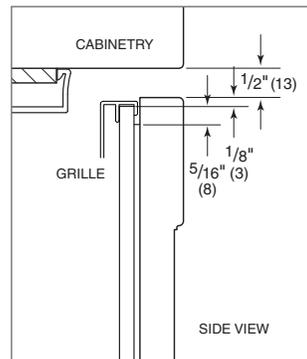
Illus. B

Illus. C

Illus. D

DUAL INSTALLATIONS

When two models WS-30 or a model WS-30 and built-in unit are installed side by side, a dual installation kit may be required. Contact your authorized Sub-Zero dealer for the proper components and installation instructions. For questions relative to the installation, call Sub-Zero at 800-222-7820. For local dealer information, visit the find a showroom section of our website, subzero.com.

DUAL STANDARD INSTALLATIONS

Two framed, overlay or stainless steel units may be placed side by side in a dual installation. Some dual standard installations will require a dual installation kit, available through your authorized Sub-Zero dealer.

A custom filler strip can be used in between two units in a framed, overlay or stainless steel design application. It is recommended that the filler strip be at least 2" (51) wide, to prevent condensation between the units. Be sure to add the filler strip width to your rough opening width.

Dual installations without a filler strip can only be accomplished using two units with opposite hinges as shown in illustration A below. The dual installations shown in illustrations B and C require a filler strip.
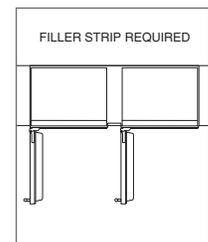
IMPORTANT NOTE: For the application shown in illustration A, a dual installation accessory kit is required.

Illus. A
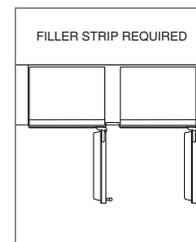
Illus. B

Illus. C

## Model WS-30

DUAL FLUSH INSET INSTALLATIONS

Installing two models WS-30 or a model WS-30 and built-in unit side by side in a flush inset application will require adjustments to the dimensions of your finished rough opening, panel sizes and panel offsets. It will also require a dual installation kit, available through your authorized Sub-Zero dealer.

Dual installations without a filler strip can only be accomplished using two units with opposite hinges as shown in illustration A below. The dual installations shown in illustrations B and C require a filler strip. Illustration A is the only application that will accommodate the dual wide grille.
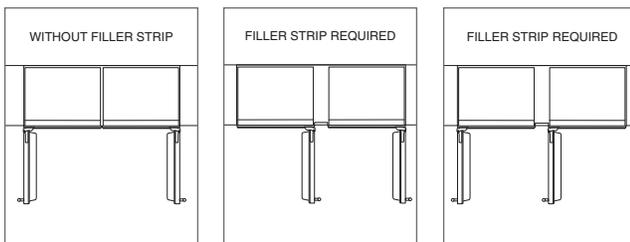
IMPORTANT NOTE: The application shown in illustration A can only be achieved by installing dual flush inset panels. Failure to install dual flush inset panels will cause the handle side of the panels to collide when closing. In this application a dual installation accessory kit is also required.

Dual flush inset panels and dual installation kits are available through your authorized Sub-Zero dealer. Refer to the illustration and chart for dual flush inset panel specifications.

DUAL FLUSH INSET PANEL SPECIFICATIONS
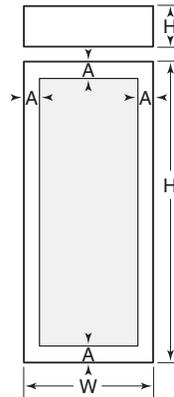
WS-30 Dual Flush Inset		
DOOR	**W**	**H**
Flush Inset Panel	30^1/$_2$" (775)	69^3/$_4$" (1772)
Spacer Panel	29^1/$_8$" (740)	68^{15}/$_{16}$" (1751)
Backer Panel	29^3/$_4$" (756)	69^9/$_{16}$" (1767)
GRILLE	**W**	**H**
Flush Inset Panel	30^1/$_2$" (775)	9^1/$_4$" (235)
Spacer Panel	29^1/$_8$" (740)	8^5/$_{16}$" (211)
Backer Panel	29^3/$_4$" (756)	8^{15}/$_{16}$" (227)
WINDOW	**W**	**H**
Cut-Out	23" (584)	62^1/$_4$" (1581)
		A
Location		3^3/$_4$" (95)

Grille panel dimensions listed are for a standard 84" (2134) overall height of the unit. For an 83" (2108) overall height, subtract 1" (25) from grille panel height dimensions. For an 88" (2235) overall height, add 4" (102) to height dimensions.

WITHOUT FILLER STRIP

FILLER STRIP REQUIRED

FILLER STRIP REQUIRED

Illus. A

Illus. B

Illus. C

Model WS-30

DUAL FLUSH INSET PANELS

When installing two models WS-30 or a model WS-30 and built-in unit side by side in a flush inset application, you must decrease the width of the decorative flush inset panels by $1/2$" (13). Adjustments to the panel offsets will also need to be made. These adjustments are needed to achieve a proper fit and to ensure the panels do not collide when closing. Panel dimensions in the chart below have been adjusted to reflect the decrease in panel dimensions.

IMPORTANT NOTE: If a filler strip is not used, dual installations can only be accomplished using two units with opposite hinges.
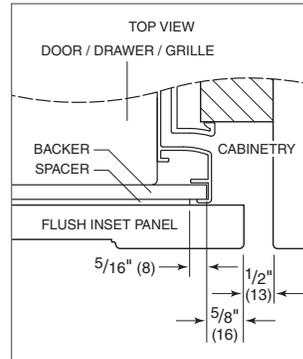
Illustrations A–E provide panel offsets and reveals for model WS-30 in a flush inset application. Refer to the chart below for reference to the illustrations. All reveals are $1/2$" (13) unless otherwise specified.

For additional information on panel reveals, visit the specification library section of our website, subzerotrade.com.
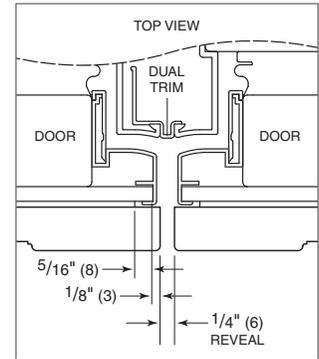
⚠ CAUTION

Do not exceed the flush inset decorative panel dimensions. Exceeding dimensions could cause damage to the panels and the Sub-Zero unit.
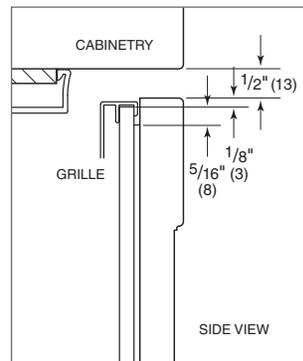
Panel Offsets	Illus.
MODEL WS-30	
Doors (hinge) / Grille Sides	A
Doors (handle) Sides	B
Grille Top	C
Grille Bottom / Door Top	D
Door Bottom	E

TOP VIEW
DOOR / DRAWER / GRILLE
BACKER SPACER
CABINETRY
FLUSH INSET PANEL
$5/16$" (8)
$1/2$" (13)
$5/8$" (16)

Illus. A

TOP VIEW
DUAL TRIM
DOOR
DOOR
$5/16$" (8)
$1/8$" (3)
$1/4$" (6) REVEAL

Illus. B

CABINETRY
GRILLE
$1/2$" (13)
$1/8$" (3)
$5/16$" (8)
SIDE VIEW

Illus. C

GRILLE
DOOR
$5/16$" (8)
$5/32$" (4)
$1/2$" (13)
$3/32$" (2)
$5/16$" (8)
SIDE VIEW

Illus. D

DOOR / DRAWER
$5/16$" (8)
$3/32$" (2)
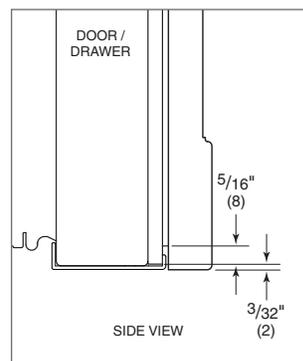SIDE VIEW
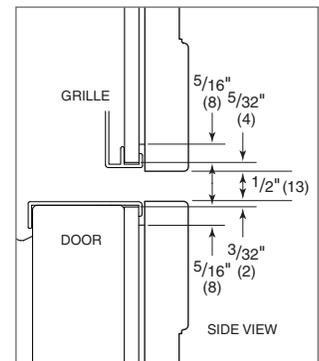
Illus. E

Side Panels

MODEL WS-30

When planning for side panels with the installation of the model WS-30, you need to be aware of the space configuration to achieve a pleasing fit. Depending on the exact panel you are using, the height of the panel may vary.

IMPORTANT NOTE: The use of side panels may change the width of your rough opening.

When installing a model WS-30 with a custom side panel, an accessory kit is required. Stainless steel side panels are also available through your authorized Sub-Zero dealer.

The side panel will need to be a minimum of 24" (610) deep and $1/2$" (13) thick. Refer to the illustrations below for side panel dimensions. Routing will be necessary so that the side panel fits flush against the side of the unit.

Handle Hardware

For overlay and integrated models, handle hardware must be provided. Optional stainless steel tubular and pro handles are available through your authorized Sub-Zero dealer.

The door frame has numerous mounting holes on each side to accommodate handle hardware. Using the pre-drilled holes to attach the handle will provide the best alignment and strength.

IMPORTANT NOTE: Refer to the full-scale template at the end of this section for a profile of the door frame and position of the glass. Do not drill through the glass.

Routing detail.
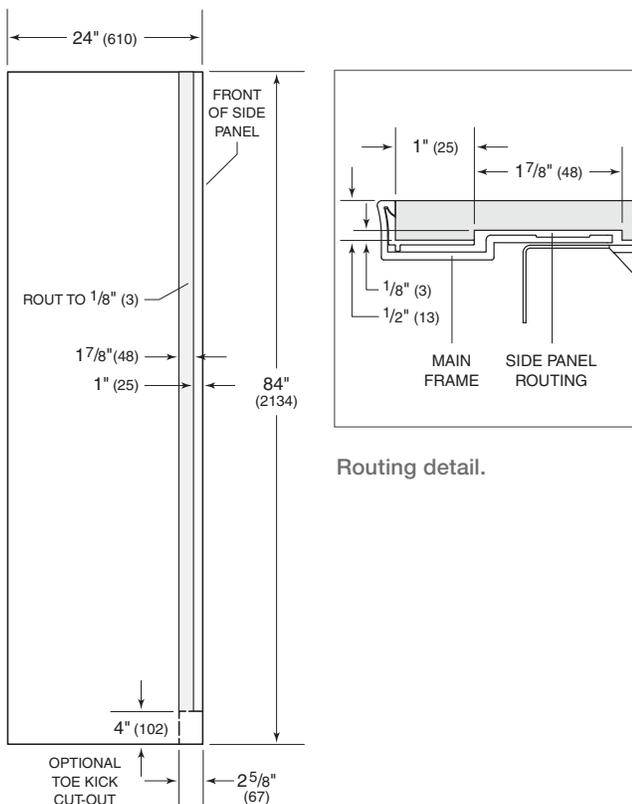
Side panel dimensions.

Accessories

These optional accessories are available through your authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, subzero.com.

- Stainless steel front panel with tubular or pro handle.
- Stainless steel tubular and pro handles to match the style of Wolf ovens and ranges.
- Grille for an 83" (2108) or 88" (2235) finished height for model WS-30.
- Side panel in stainless steel or white enamel and stainless steel kickplate for model WS-30.
- Full-length standard or extended framed handle for model WS-30.
- Dual installation kit.
- UL approved door lock.
- 90° door stop for model WS-30.
- Harness kit for Star-K compliance.

STANDARD HANDLES

Refer to the chart below for standard handle lengths and the stud spacing of tubular and pro handles used on wine storage models.

Standard Handles	Length	Stud Spacing
315W, 424G, 424FSG, 427RG DRAWERS		
Tubular Handle	$24^3/_{16}$" (614)	$16^1/_4$" (413)
Pro Handle	$20^1/_8$" (512)	$19^{11}/_{16}$" (500)
427G AND 427RG DOOR		
Tubular Handle	$41^3/_{16}$" (1046)	$33^1/_4$" (845)
Pro Handle	$39^9/_{16}$" (1006)	$38^5/_{16}$" (973)
WS-30		
Tubular Handle	$63^7/_8$" (1622)	$43^7/_8$" (1114)
Pro Handle	$45^3/_{16}$" (1147)	$43^7/_8$" (1114)

Door Frame Profile

FULL-SCALE TEMPLATE

The full-scale template below shows an example of the door frame profile for wine storage models and the relationship to the overlay panel (rails and stiles).

Dimension	A
424G and 315W	1" (25)
427G and 427RG	$^7/_8$" (22)
WS-30	$^{15}/_{16}$" (24)

Glass

Cabinet Door Profile

A   A

$2^1/_4$" (57) Rail/Stile
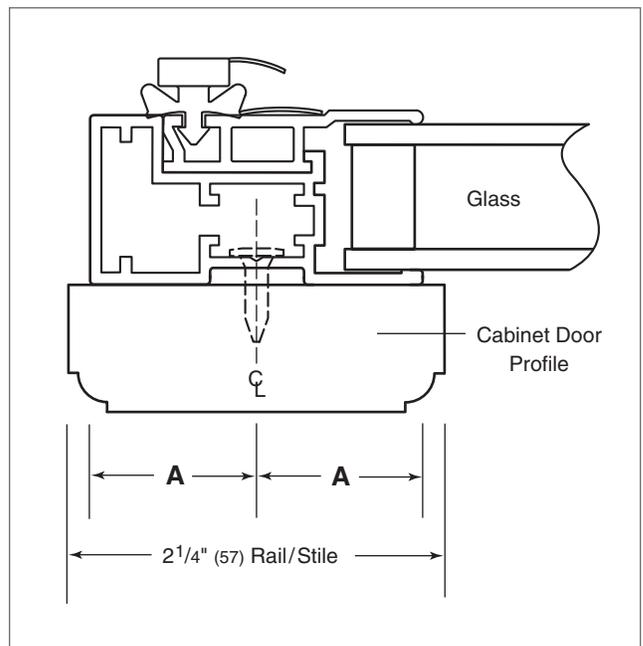
DOOR FRAME PROFILE
MODEL 424G SHOWN

Wine Shelf Wood Facing
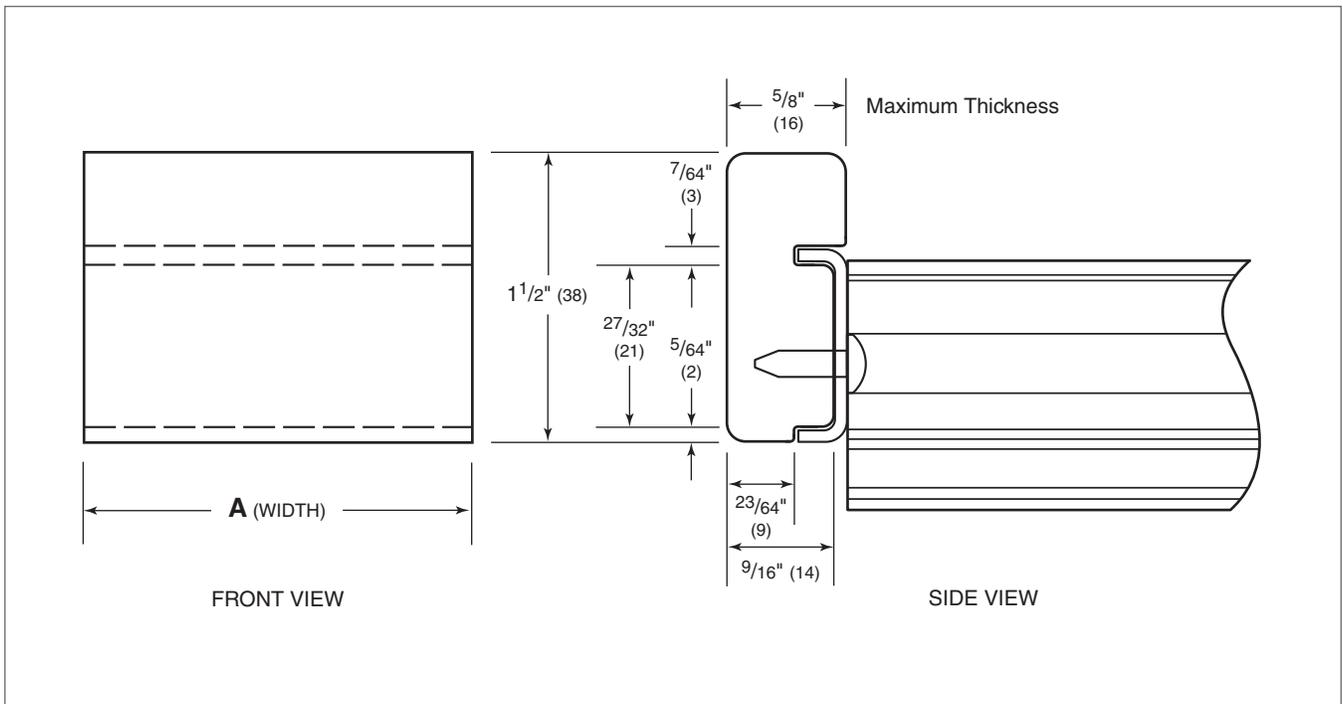
FULL-SCALE TEMPLATE

For each model, the wine storage shelves have a natural cherrywood facing. You can replace these strips with wood more complementary to your design and surrounding cabinetry. Refer to the full-scale template below.

To remove the cherry strips, take the shelves out and remove the screws. Reverse the procedure to affix the new wood facing.

IMPORTANT NOTE: If you choose to stain or seal the wood facing, be aware that some of these substances are hazardous and will damage stored wine.

Dimension	A
315W	10^{15}/$_{16}$" (278)
424G and 424FSG	19^{1}/$_{2}$" (495)
427G and 427RG	20^{15}/$_{15}$" (532)
WS-30	24^{9}/$_{16}$" (624)

Dimensions will vary for model 315W. Refer to specifications on our website, subzero.com.

FRONT VIEW   SIDE VIEW
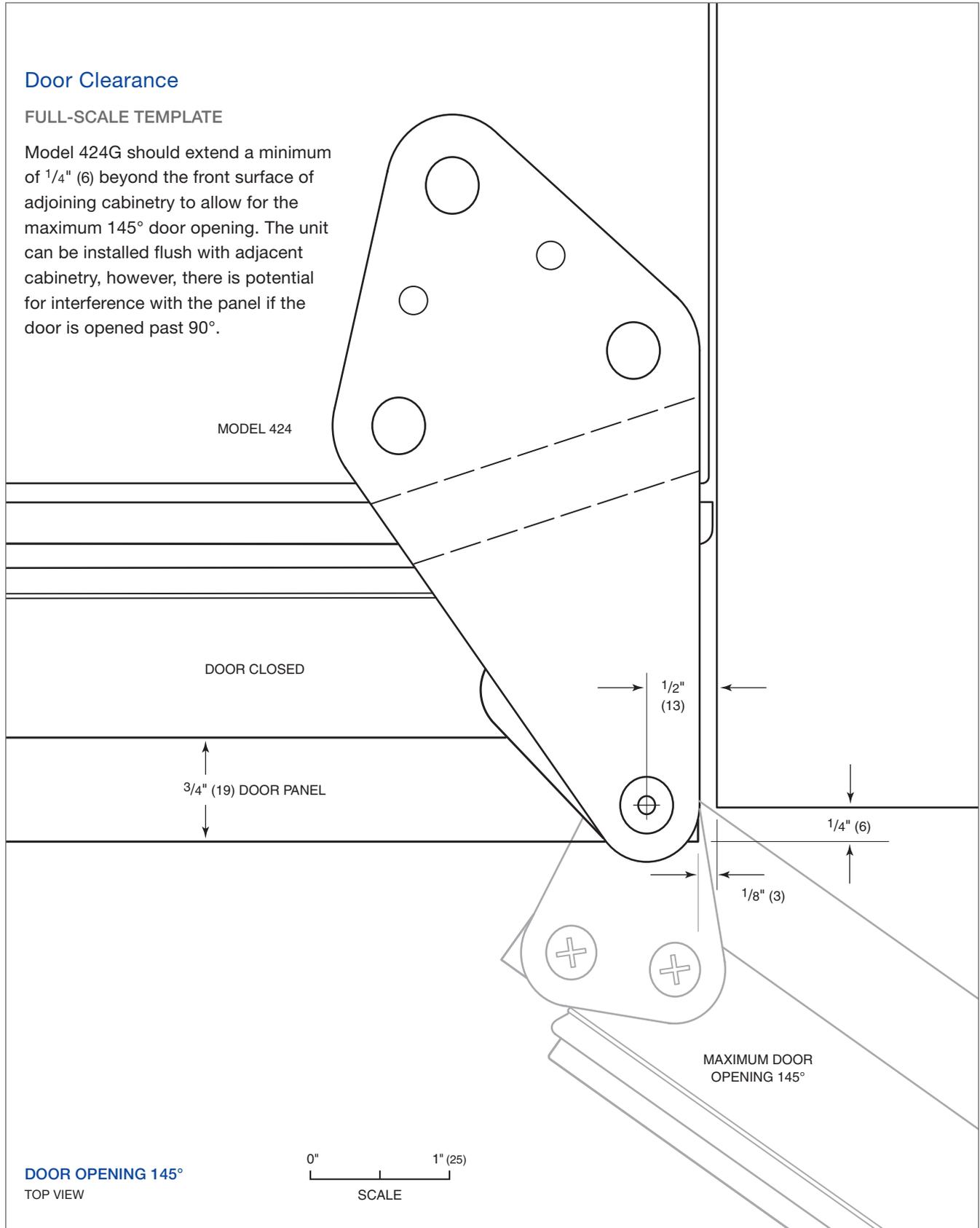
WINE SHELF WOOD FACING
WINE STORAGE MODELS

Door Clearance

FULL-SCALE TEMPLATE

Model 424G should extend a minimum of $1/4$" (6) beyond the front surface of adjoining cabinetry to allow for the maximum 145° door opening. The unit can be installed flush with adjacent cabinetry, however, there is potential for interference with the panel if the door is opened past 90°.

MODEL 424

DOOR CLOSED

$3/4$" (19) DOOR PANEL

$1/2$" (13)

$1/4$" (6)

$1/8$" (3)

MAXIMUM DOOR OPENING 145°

DOOR OPENING 145°
TOP VIEW

0"   1" (25)

SCALE

MODELS 424G (WINE) AND UC-24BG

Undercounter Refrigeration. Sub-Zero undercounter refrigeration is a helpful addition to a master suite, bar, home office or media room. In the kitchen, a high-volume ice machine is a must for entertaining. The design flexibility of these compact yet roomy units makes them all the more welcome in any room or outdoor kitchen. They're ready to be fitted with a custom cabinet panel or can be ordered with a stainless steel panel.

UNDERCOUNTER MODELS

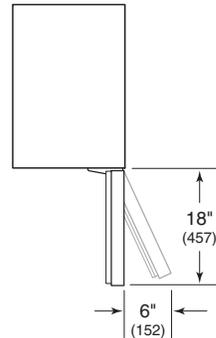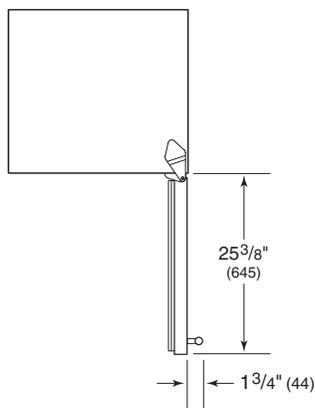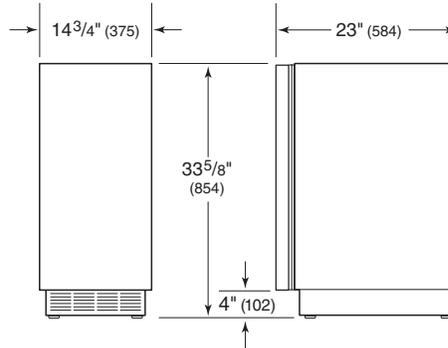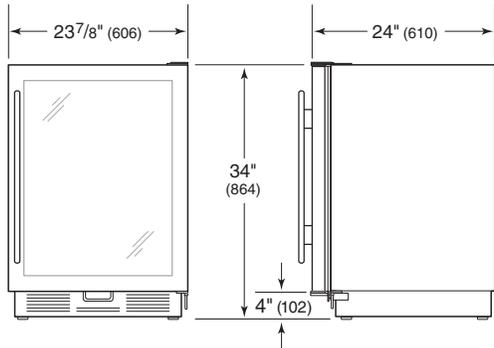| UC-24R | UC-24BG | UC-24C(I) | UC-24RO | UC-15I(P) | UC-15I(P)O |
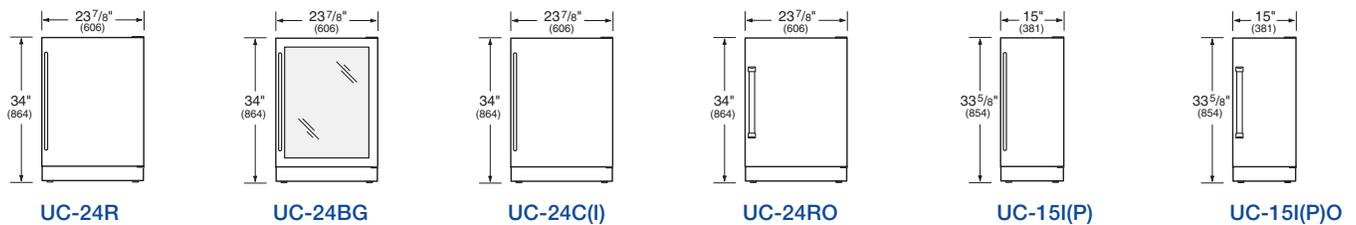
KEY FEATURES

- Overlay and stainless steel design applications.

- Handle options coordinate with handles of Wolf cooking products.

- Models UC-24RO and UC-15I(P)O are UL approved for outdoor use.

- Energy efficient; many models are ENERGY STAR® qualified.

- All models are Star-K certified.

Overall Dimensions

UNDERCOUNTER MODELS

23⁷/₈" (606)   24" (610)

34" (864)

4" (102)

14³/₄" (375)   23" (584)

33⁵/₈" (854)

4" (102)

25³/₈" (645)

1³/₄" (44)

18" (457)

6" (152)

MODELS UC-24R, UC-24BG, UC-24C(I) AND UC-24RO

MODELS UC-15I(P) and UC-15I(P)O

Model UC-15I overall dimensions do not include panel or handle.

Specifications

Capacity / Weight		
INTERIOR CAPACITY	**R CU FT (L)**	**F CU FT (L)**
UC-24R, UC-24BG and UC-24RO	5.7 (161)	
UC-24C(I)	3.6 (102)	1.1 (31)
ICE STORAGE CAPACITY		**LBS (KG)**
UC-15I(P) and UC-15I(P)O		26 (12)
SHIPPING WEIGHT		**LBS (KG)**
UC-24R, UC-24BG, UC-24C(I) and UC-24RO		130 (59)
UC-15I(P) and UC-15I(P)O		100 (45)

Opening Dimensions

UNDERCOUNTER MODELS

TOP VIEW

24" (610)
OPENING
DEPTH

24" (610)
OPENING DEPTH

34 1/2" (876)
OPENING
HEIGHT

A
OPENING WIDTH

SIDE VIEW

FRONT VIEW
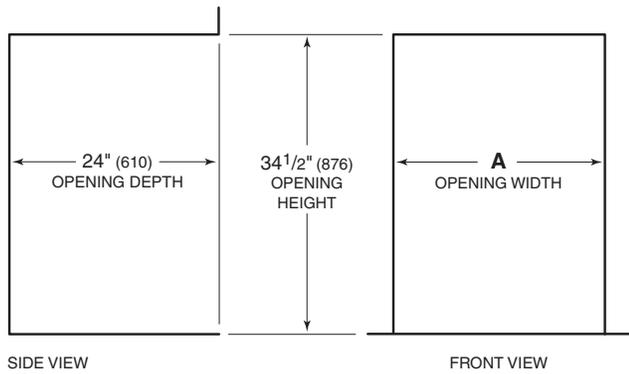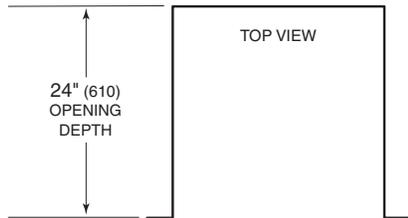
| Opening Width	A
UC-24R, UC-24BG, UC-24C(I) and UC-24RO	24" (610)
UC-15I(P) and UC-15I(P)O	15 1/4" (387)

Planning Information

ELECTRICAL REQUIREMENTS

For ice machine models, it is recommended that electrical supply be placed in an adjacent cabinet. For all other undercounter models, locate the electrical supply within the shaded area shown in the illustration below. Follow the National Electrical Code and local codes and ordinances when installing the receptacle. A separate circuit, servicing only this appliance, is required.

IMPORTANT NOTE: Models UC-24RO and UC-15I(P)O are 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	
Power Supply	115 V AC, 60 Hz
Circuit Breaker	15 amp
Receptacle	3-prong grounding-type

LEFT SIDE
OF OPENING

2" (51)

15 1/2"
(394)

3" (76)

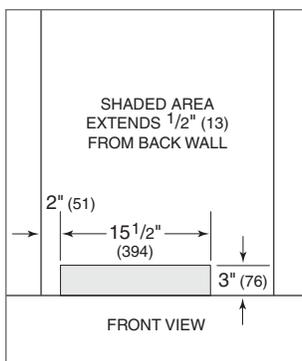FRONT VIEW
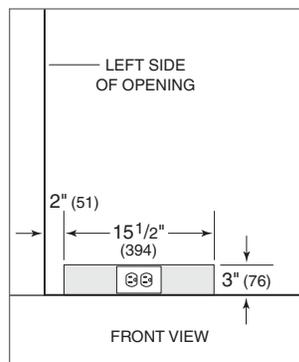
Location of electrical supply.

Planning Information
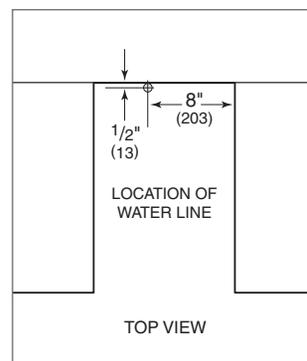
PLUMBING REQUIREMENTS

For model UC-24C(I) and ice machine models, the water supply line should be located within the shaded area shown in the illustrations below. The water supply line should be connected to the house supply with an easily accessible shut-off valve between the supply and the unit. Do not use self-piercing valves. A saddle valve kit is available through your authorized Sub-Zero dealer.

IMPORTANT NOTE: A reverse osmosis system can be used provided there is constant water pressure of 20 psi (1.4 bar) to 100 psi (6.9 bar) supplied to the unit at all times. 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	20–100 psi (1.4–6.9 bar)
Excess Water Line for Connection	26" (660) min

SHADED AREA EXTENDS $1/2$" (13) FROM BACK WALL

2" (51)

15$1/2$" (394)

3" (76)

FRONT VIEW

1/2" (13)

8" (203)

LOCATION OF WATER LINE

TOP VIEW

Model UC-24C(I).　　Ice machine models.

Drain Pump

ICE MACHINE MODELS

Undercounter ice machine models can be ordered with or without a pump. Models without a drain pump will drain water from the unit by gravity. A drain must be installed.

The drain and inlet water tubes must be plumbed before connecting to the ice machine. For the gravity drain, all horizontal runs of drain lines must have a $1/4$" (6) per 12" (305) fall. An air gap will likely be required between the unit and drain receptacle. A stand pipe with a trap below it would be acceptable for the drain receptacle.

IMPORTANT NOTE: Poor drainage will cause excessive ice melting in the ice bin.

Overlay Panel

MODELS UC-24R, UC-24C(I) AND UC-15I(P)

The overlay design allows for a decorative panel to cover the door trim for a seamless appearance that will complement surrounding cabinetry. You may also choose to match the handle hardware of surrounding cabinetry. Refer to the charts for panel specifications.

MODEL UC-24BG

For model UC-24BG, the overlay door panel will consist of only a frame and will affix directly to the door with screws through a series of predrilled holes.

The glass area of the door is designed to be exposed to air circulation. Decorative overlays on the glass should be kept to a minimum. Do not install a solid panel on the glass door unit: this may cause moisture to form behind the panel. Refer to the charts for panel specifications.

IMPORTANT NOTE: The width of rails and stiles can be increased but should not exceed cabinet manufacturers' standard widths or the overall panel dimensions. The back sides of rails and stiles that will be visible through the glass door will need to be finished along with the inside edges of the frame.

Door Clearance

MODELS UC-24R, UC-24BG AND UC-24C(I)

Undercounter models can be installed flush with surrounding cabinetry. Depending on the thickness of the overlay door panel, it may be necessary to install the unit so that it extends $1/4$" (6) beyond the front surface of surrounding cabinetry. This will prevent interference between the door panel and adjoining cabinetry at the maximum 145° door swing. Refer to the full-scale template on page 83 of the wine storage section.

Panel Dimensions		
UC-24R AND UC-24C(I)	**W**	**H**
Overlay Panel	$23^{3}/4$" (603)	$30^{1}/_{16}$" (764)
UC-24BG	**W**	**H**
Overlay Panel	$23^{3}/4$" (603)	$30^{1}/_{16}$" (764)
Rails and Stiles (min)	$2^{1}/4$" (57)	
UC-15I(P)	**W**	**H**
Overlay Panel	15" (381)	$30^{3}/8$" (772)

Panel Requirements	
MAX PANEL WEIGHT	
UC-24R and UC-24C(I)	20 lbs (9 kg)
UC-24BG	10 lbs (5 kg)
UC-15I(P)	15 lbs (7 kg)
MIN PANEL THICKNESS	
Overlay Panels	$5/8$" (16)

Accessories

These optional accessories are available through your authorized Sub-Zero dealer. For local dealer information, visit the find a showroom section of our website, subzero.com.

- Stainless steel front panel with tubular or pro handle.
- Stainless steel tubular and pro handles to match the style of Wolf ovens and ranges.
- UL approved door lock.

STANDARD HANDLES

Refer to the chart below for standard handle lengths and the stud spacing of tubular and pro handles used on undercounter models.

Standard Handles	Length	Stud Spacing
UNDERCOUNTER MODELS		
Tubular Handle	24^3/$_{16}$" (614)	16^1/$_4$" (413)
Pro Handle	20^1/$_8$" (512)	19^{11}/$_{16}$" (500)

Door Frame Profile

FULL-SCALE TEMPLATE

The full-scale template shows the door frame profile for model UC-24BG and the relationship to the overlay panel (rails and stiles).
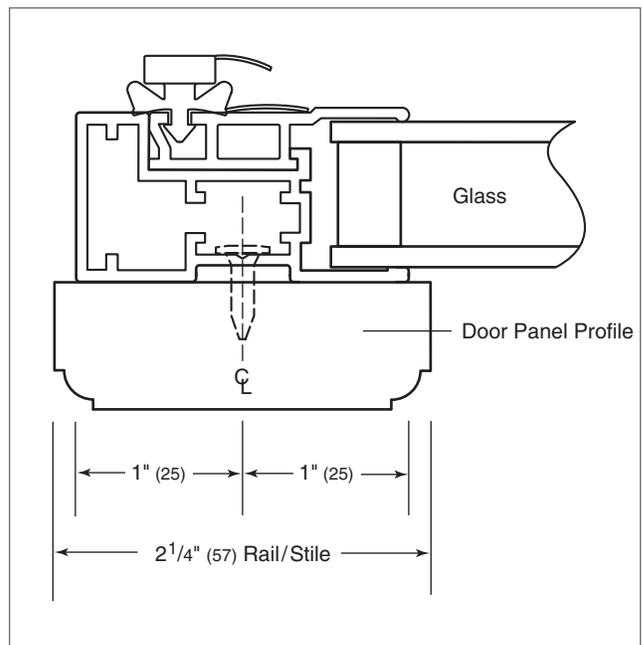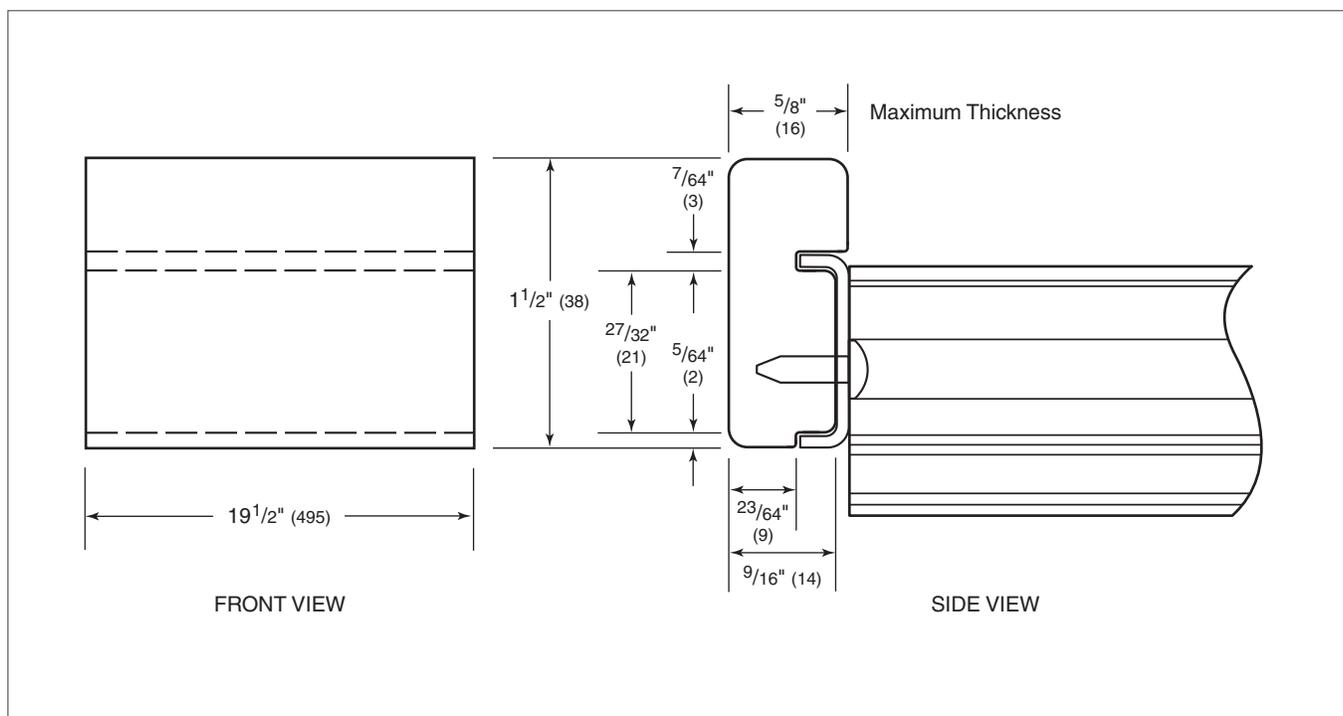

DOOR FRAME PROFILE
MODEL UC-24BG

Wine Shelf Wood Facing

FULL-SCALE TEMPLATE

For models UC-24BG and UC-24C(l), follow dimensions in the full-scale template below if you choose to replace the natural cherrywood facing of the wine shelves with wood more complementary to your design and surrounding cabinetry.

WINE SHELF WOOD FACING
MODELS UC-24BG AND UC-24C(l)

Sub-Zero Products Limited Warranty

FOR RESIDENTIAL USE ONLY

FULL TWO YEAR WARRANTY*

For two years from the date of original installation, your Sub-Zero product warranty covers all parts and labor to repair or replace, under normal residential use, any part of the product that proves to be defective in materials or workmanship. All service provided by Sub-Zero under the above warranty must be performed by Sub-Zero factory certified service, unless otherwise specified by Sub-Zero, Inc. Service will be provided during normal business hours.

FULL FIVE YEAR SEALED SYSTEM WARRANTY

For five years from the date of original installation, your Sub-Zero product warranty covers all parts and labor to repair or replace, under normal residential use, the compressor, condenser, evaporator, drier and all connecting tubing that prove to be defective in materials or workmanship. All service provided by Sub-Zero under the above warranty must be performed by Sub-Zero factory certified service, unless otherwise specified by Sub-Zero, Inc. Service will be provided during normal business hours.

LIMITED TWELVE YEAR SEALED SYSTEM WARRANTY

For twelve years from the date of original installation, your Sub-Zero product warranty covers all parts to repair or replace, under normal residential use, the compressor, condenser, evaporator, drier and all connecting tubing that prove to be defective in materials or workmanship.

TERMS APPLICABLE TO EACH WARRANTY

The warranty applies only to products installed for normal residential use. The warranty applies only to products installed in any one of the fifty states of the United States, the District of Columbia or the ten provinces of Canada. This warranty does not cover any parts or labor to correct any defect caused by negligence, accident or improper use, maintenance, installation, service or repair.

THE REMEDIES DESCRIBED ABOVE FOR EACH WARRANTY ARE THE ONLY ONES THAT SUB-ZERO, INC. WILL PROVIDE, EITHER UNDER THIS WARRANTY OR UNDER ANY WARRANTY ARISING BY OPERATION OF LAW. SUB-ZERO, INC. WILL NOT BE RESPONSIBLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM THE BREACH OF THIS WARRANTY OR ANY OTHER WARRANTY, WHETHER EXPRESS, IMPLIED OR STATUTORY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights that vary from state to state.

To receive parts and/or service and the name of Sub-Zero factory certified service nearest you, contact Sub-Zero, Inc., P.O. Box 44848, Madison, WI 53744; check the contact & support section of our website, subzero.com or call 800-222-7820.

*Stainless steel doors, panels, handles, product frames and interior surfaces are covered by a limited 60-day parts and labor warranty for cosmetic defects.

*Replacement water filters and air purification cartridges are not covered by the product warranty.

Sub-Zero Outdoor Products Limited Warranty

PRODUCT MUST BE APPROVED FOR OUTDOOR USE, DESIGNATED BY MODEL AND SERIAL NUMBER

FOR RESIDENTIAL USE ONLY

FULL ONE YEAR WARRANTY*

For one year from the date of original installation, your Sub-Zero product warranty covers all parts and labor to repair or replace, under normal residential use, any part of the product that proves to be defective in materials or workmanship. All service provided by Sub-Zero under the above warranty must be performed by Sub-Zero factory certified service, unless otherwise specified by Sub-Zero, Inc. Service will be provided during normal business hours.

FULL FIVE YEAR SEALED SYSTEM WARRANTY

For five years from the date of original installation, your Sub-Zero product warranty covers all parts and labor to repair or replace, under normal residential use, the compressor, condenser, evaporator, drier and all connecting tubing that prove to be defective in materials or workmanship. All service provided by Sub-Zero under the above warranty must be performed by Sub-Zero factory certified service, unless otherwise specified by Sub-Zero, Inc. Service will be provided during normal business hours.

TERMS APPLICABLE TO EACH WARRANTY

The warranty applies only to products installed for normal residential use. The warranty applies only to products installed in any one of the fifty states of the United States, the District of Columbia or the ten provinces of Canada. This warranty does not cover any parts or labor to correct any defect caused by negligence, accident or improper use, maintenance, installation, service or repair.

THE REMEDIES DESCRIBED ABOVE FOR EACH WARRANTY ARE THE ONLY ONES THAT SUB-ZERO, INC. WILL PROVIDE, EITHER UNDER THIS WARRANTY OR UNDER ANY WARRANTY ARISING BY OPERATION OF LAW. SUB-ZERO, INC. WILL NOT BE RESPONSIBLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM THE BREACH OF THIS WARRANTY OR ANY OTHER WARRANTY, WHETHER EXPRESS, IMPLIED OR STATUTORY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights that vary from state to state.

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*Stainless steel doors, panels, handles, product frames and interior surfaces are covered by a limited 60-day parts and labor warranty for cosmetic defects.

*Replacement water filters are not covered by the product warranty.

SUB-ZERO®