



Hamilton Scientific Distinction  
Laboratory Bench System  
Specification Catalog

*Inspiring progress.*





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### Hamilton Scientific Distinction

This modular, self-contained laboratory bench system is designed to respond to the changing lab equipment and instrumentation, personnel, research activities and room layouts with minimal downtime, cost and effort.

- Built around bench structures with adjustable height work surfaces and shelving.
- Self-contained benches house pre-piped and pre-wired services.
- Sinks and fume hoods use special mobile cabinets to conceal drain lines.
- Adjustable components are designed to be easily repositioned.
- Service lines with quick-connect fittings connect to overhead service distribution panels.
- Components can be used independently or integrated, with mobile cabinetry to provide a tailored solution for each application.
- Components are non-generational and completely compatible, ensuring continuing availability.

### To specify Hamilton Distinction:

1. Choose specific **system components**, including bench structures, upper and lower storage components and work surfaces.
  - Three styles of mobile cabinets designed especially for the **Hamilton Distinction** system are included in this catalog.
  - Refer to other Hamilton Scientific product catalogs for casework, fume hoods, fixtures and accessories.
2. Use **options menus** to choose system colors and cabinet options for steel and wood cabinets.
3. Select modular **work surfaces** based upon matching performance characteristics to the work performed in the lab.
4. Choose **system accessories** as needed from the accessories section of this catalog.
5. Choose **auxiliary lab equipment**, including safety equipment, fixtures, sinks and accessories from the related Hamilton Scientific product catalogs.
  - Service fixtures designed exclusively for Hamilton Distinction workstations are included in this catalog.

### Choosing Hamilton Distinction Colors

Components are available in 18 standard colors or Type 304 stainless steel. Choose a single color for any component or the entire system. Or, choose a base color for bench frames and cabinet bodies, and an accent color for drawer and door fronts. It is not necessary to choose the same base and accent colors for each component.

Color selection guidelines:

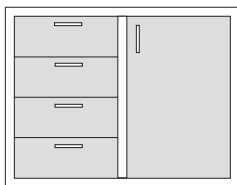
**Cabinets** – Base color for cabinet body; accent color for drawer and door fronts.

**Bench Frames, Shelves** – Base color only.



**RECOMMENDATION:**

Prior to making your final selection, please contact your representative to obtain samples.

**1 Powdercoat Colors****Cabinet Body**

Color Code	Reference Color
<b>BK</b>	Black
<b>BL</b>	Blue
<b>BS</b>	Blue Slate
<b>BD</b>	Brown Burgundy
<b>CH</b>	Chameleon
<b>DK</b>	Dark Khaki
<b>G1</b>	Dove Grey
<b>G3</b>	Grey Slate
<b>HG</b>	Hunter Green
<b>IN</b>	Indigo
<b>KK</b>	Khaki
<b>PW</b>	Petal White
<b>PM</b>	Piedmont Green
<b>PL</b>	Platinum
<b>PA</b>	Purple
<b>SA</b>	Sand
<b>SS</b>	Sandstone
<b>SW</b>	Shell White

**Door/Drawer Fronts**

Color Code	Accent Color
<b>BK</b>	Black
<b>BL</b>	Blue
<b>BS</b>	Blue Slate
<b>BD</b>	Brown Burgundy
<b>CH</b>	Chameleon
<b>DK</b>	Dark Khaki
<b>G1</b>	Dove Grey
<b>G3</b>	Grey Slate
<b>HG</b>	Hunter Green
<b>IN</b>	Indigo
<b>KK</b>	Khaki
<b>PW</b>	Petal White
<b>PM</b>	Piedmont Green
<b>PL</b>	Platinum
<b>PA</b>	Purple
<b>SA</b>	Sand
<b>SS</b>	Sandstone
<b>SW</b>	Shell White

**2 Plastic Laminate Colors****Door/Drawer Fronts**

Color Code	Plastic Laminate Reference Color*
<b>9P</b>	Antique White
<b>6F</b>	Atlantis
<b>90</b>	Black
<b>9R</b>	Dove Grey
<b>9T</b>	Grey
<b>LE</b>	Grey Nebula
<b>7Y</b>	Fashion Grey
<b>8Y</b>	Featherstone
<b>9Y</b>	Frosty White
<b>9S</b>	Haze
<b>8Q</b>	Lapis Blue
<b>9X</b>	Light Beige
<b>9V</b>	Mandarin Red
<b>6I</b>	Natural Almond
<b>6W</b>	Pepperdust
<b>6Q</b>	Platinum
<b>9U</b>	Putty
<b>LK</b>	Sand Nebula**
<b>LD</b>	White
<b>9Q</b>	White Nebula

\*Many nonstandard colors are available – consult a Hamilton Scientific representative for more information.

\*\* 3-week lead time.

**3 High Pressure Laminate Colors for Worksurfaces**

<b>1C</b>	– Port
<b>1D</b>	– Wineberry
<b>1F</b>	– Atlantis
<b>1G</b>	– Seaspray
<b>1H</b>	– Silver Pine
<b>1I</b>	– Natural Almond
<b>1J</b>	– Doeskin
<b>1K</b>	– Moccasin
<b>1L</b>	– Thistle
<b>1M</b>	– Khaki Brown
<b>10</b>	– Feather Stone
<b>1P</b>	– Pewter
<b>1Q</b>	– Porcelain Rose
<b>1R</b>	– Mauve Blush
<b>1S</b>	– Hunter Green
<b>1T</b>	– North Sea
<b>1U</b>	– Slate Grey
<b>1V</b>	– Dove Grey
<b>1W</b>	– Shadow
<b>1X</b>	– Haze
<b>1Y</b>	– Wild Rose
<b>1Z</b>	– Chiffon

**3 High Pressure Laminate Colors for Worksurfaces continued**

<b>2C</b>	– Rose Buff
<b>2F</b>	– Hollyberry
<b>2G</b>	– Ivory Rose
<b>2J</b>	– Platinum
<b>2L</b>	– Shadow Blue
<b>2M</b>	– Blue Ice
<b>2N</b>	– Brittany Blue
<b>2O</b>	– Bluejay
<b>2Q</b>	– Pepperdust
<b>2R</b>	– Larkspur
<b>2S</b>	– Bisque
<b>2T</b>	– Sand
<b>2U</b>	– Pebble
<b>2V</b>	– Marigold
<b>3C</b>	– Tyrol Green
<b>3D</b>	– Designer White
<b>3O</b>	– Taupetone
<b>3Y</b>	– Indigo
<b>3Z</b>	– Fashion Grey
<b>4B</b>	– Cloud
<b>4L</b>	– Oasis
<b>4M</b>	– White Sand
<b>4T</b>	– Fortuneberry
<b>4Y</b>	– Lapis Blue
<b>5C</b>	– Ming Gold
<b>5G</b>	– Mandarin Red
<b>5H</b>	– Beige
<b>5I</b>	– Light Beige
<b>5J</b>	– White
<b>5K</b>	– Antique White
<b>5L</b>	– Frosty White
<b>5M</b>	– Black
<b>5N</b>	– Caldera Rose
<b>5P</b>	– White Nebula
<b>5Q</b>	– Cloud Nebula
<b>5R</b>	– Blue Nebula
<b>3B</b>	– Bengal Teak
<b>3J</b>	– Canary
<b>GG</b>	– Grey Glace
<b>2E</b>	– Natural Butcher Block
<b>2P</b>	– White Leather
<b>3M</b>	– Winchester Walnut

**4 Wood Cabinet Stains****Red Oak**

Bratton Cherry  
Ceylon Teak  
English Oak  
Honey Oak  
Tinted Clear  
Clear  
Sable Tan  
Santa Fe

**Bamboo**

Caramelized Flat Cut  
Caramelized Vertical Cut  
Natural Flat Cut  
Natural Vertical Cut

**Steamed Beech**

Clear

**Maple**

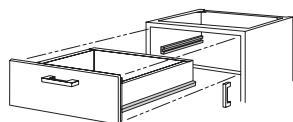
Ceylon Teak  
Santa Fe  
Tinted Clear  
Clear  
Honey Maple

**5 Recessed Door & Drawer Pull Colors**

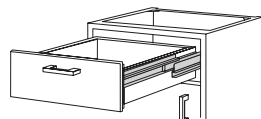
Black  
Grey  
Chameleon  
White

Check here for all **Standard Default** selections.

## 1 Drawer Suspension



Self-Closing, self-centering, hold-open feature. 100 lb. drawer runs  
– **Standard Default**

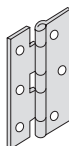


SEFA 8 – Accuride 150 lb. full extension drawer slides on all drawers.  
(Standard on file drawers)

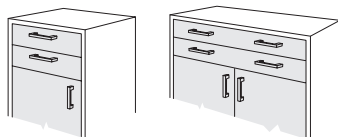
## 2 Hinges

Stainless steel with zinc-plated screws.  
– **Standard Default**

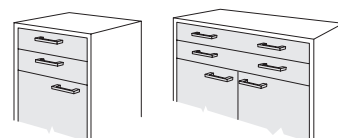
Black with zinc-plated screws.



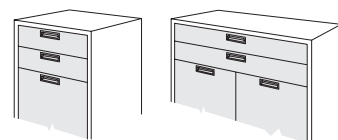
## 3 Pull Location



**Configuration 1\***  
Horizontal on drawers, vertical on doors.  
– **Standard Default**

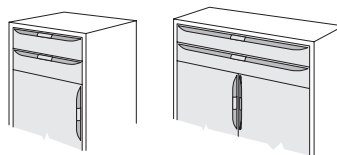


**Configuration 2\***  
Horizontal on drawers and doors.



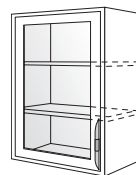
**Configuration 3\***

## 3 Pull Location (continued)



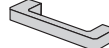
**Configuration 4\***  
Full width horizontal on drawers, vertical on doors.

\* Wall, upper and tall cases always have vertical pulls.

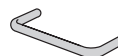


## 4a Pull Types Configuration 1 & 2 Only

Brushed aluminum rectangular style finger pull.  
– **Standard Default**



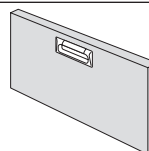
- Aluminum wire
- Chameleon powdercoat wire
- Black powdercoat wire
- Grey powdercoat wire
- Stainless steel wire
- Satin chrome wire
- Polished chrome wire (Plated)



## 4b Pull Typ Configuration 1, 2 & 3

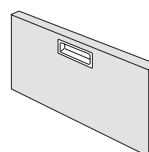
Semi-recessed Polypropylene

- Black
- Grey
- Chameleon
- White



## 4c Pull Type Configuration 3 Only

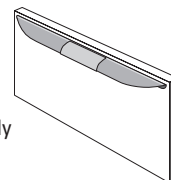
Flush stainless steel pull No. 28127.



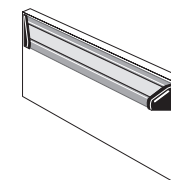
## 4d Pull Type Configuration 4 Only

Full-Width (on drawers), powdercoated steel.

- BK** Black
- BL** Blue
- BS** Blue Slate
- BD** Brown Burgandy
- CH** Chameleon
- DK** Dark Khaki
- G1** Dove Grey
- G3** Grey Slate
- HG** Hunter Green
- IN** Indigo
- KK** Khaki
- PW** Petal White
- PL** Platinum
- SA** Sand
- SS** Sandstone
- SW** Shell White
- PM** Piedmont Green
- PA** Purple



Full width powdercoated or stainless steel pull



Full-width aluminum pull

Full-Width (on drawers), stainless steel pull.

Full-Width (on drawers), aluminum pull.

## 5 Door Catches

Roller – **Standard Default**





## Hamilton Scientific Tradition

## 6 Lock Types

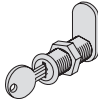
- Designated by suffix

- Master® 5-disc  
– **Standard Default**

Use when up to 225 key changes are required (master keyed).

- Master® 5-pin\*
- Grand Master® 5-pin\*

\*Use when up to 2000 primary key changes are required; 8-week lead time. Lock keying is determined by lock schedule.



### Locking Suffixes

Insert appropriate letter in the 8<sup>th</sup> position of the product number.

#### Cupboard Units

With Lock: **L**  
W/O Lock: **Q**

#### Combination Units (Drawer over Door)

With Lock: **F**  
W/O Lock: **C** No lock at door; drawer lock only

#### All Drawer Units

With Lock: **F**

\*Drawer units are **not** available without locks

## 7 Label Holders

- None – **Standard Default**

One each door, one each drawer head.

- Stainless Steel
- Black

One per pair of doors, one each drawer head.

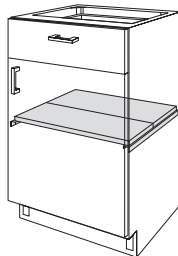
- Stainless Steel
- Black

Check "None" when full-width and semi-recessed polypropylene pulls are selected.



## 8 Base Unit Shelf

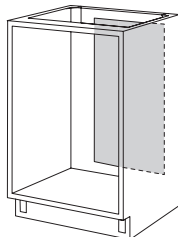
- One-piece.  
– **Standard Default**
- Split (2 pieces).



## 9 Removable Access Panel

Available on 100S and 200S Series base cabinets only.

- At cupboard areas only.  
– **Standard Default**
- At both cupboard and drawer areas.



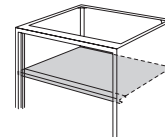
## 10 Glass – Framed and/or Unframed Doors

- 6mm clear float glass.  
– **Standard Default**
- 6mm tempered safety glass.
- 6mm laminated safety glass.



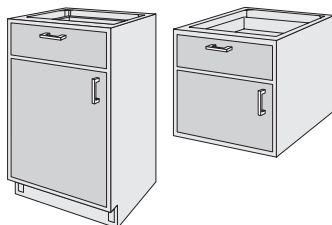
## 11 Security Panels Between Locked Sections

- Without security panel.  
– **Standard Default**
- With security panel.



**NOTE: All options must be "COOLED"**

## 1 Contrast: Inset Steel Cabinet Door/Drawer Front Style



Inset styling features an exposed cabinet frame surrounding doors and drawers. Contrast door and drawer fronts are available in wood or plastic laminate construction.

**1a** Red Oak Wood Door/Drawer Front Style

For wood laboratory casework information, please access the

**Hamilton Scientific Wood Products Specification Catalog**

or

consult your local sales representative for assistance.

[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

**1b** Maple Wood Door/Drawer Front Style

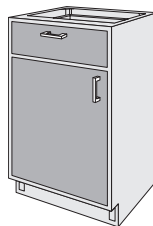
edge (combination grain)

## 1c Plastic Laminate Door/Drawer Fronts Option

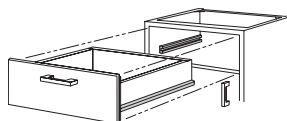
Plastic Laminate Color Code

3mm PVC Edgeband:

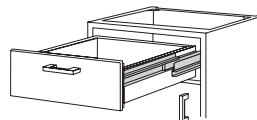
- Black
- Grey
- Chameleon
- White



## 2 Drawer Suspension



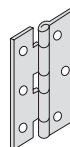
- Self-closing, self-centering, hold-open feature. 100 lb. drawer runs.



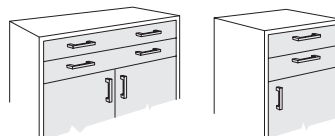
- SEFA 8 – Accuride (or equal). 150 lb. full extension drawer slides. (Standard on file drawers)

## 3 Cabinet Hinges

- Stainless steel with zinc-plated screws. – **Standard Default**
- Black with zinc-plated screws.

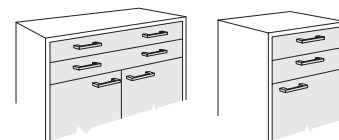


## 3a Pull Direction

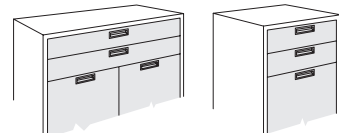


- **Configuration 1\*** Horizontal on drawers, vertical on doors. – **Standard Default**

## 4 Pull Direction (continued)



- **Configuration 2\*** Horizontal on drawers and base unit doors only.

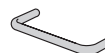
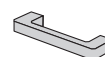


- **Configuration 3\*** Full width, horizontal on drawers, vertical on doors.

\*Note: Wall, upper and tall cases always have vertical pulls.

## 5a Pull Types – Configurations 1 & 2 Only

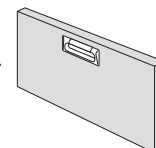
- Brushed aluminum rectangular style – **Standard Default**
- Aluminum wire
- Chameleon wire (powdercoat)
- Black wire (powdercoat)
- Grey wire (powdercoat)
- Stainless steel wire
- Satin chrome wire
- Polished chrome wire (plated)
- Bright chrome wire (powdercoat)
- Goldtone wire (powdercoat)



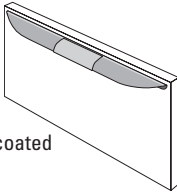
## 5b Pull Types – Configurations 1, 2 & 3

Semi-recessed polypropylene pull.

- Black
- Grey
- Chameleon
- White



## 5c Pull Types Configuration 3 Only

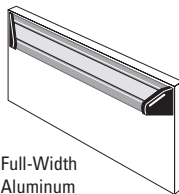


- Full-width powdercoated steel (on drawers).

**BK** Black  
**BL** Blue  
**BS** Blue Slate  
**BD** Brown Burgundy  
**CH** Chameleon  
**DK** Dark Khaki  
**G1** Dove Grey  
**G3** Grey Slate  
**HG** Hunter Green  
**IN** Indigo  
**KK** Khaki  
**PW** Petal White  
**PM** Piedmont Green  
**PL** Platinum  
**PA** Purple  
**SA** Sand  
**SS** Sandstone  
**SW** Shell White

- Full width stainless steel. (on drawers)

- Full width aluminum. (on drawers)



## 6 Door Catches

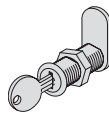
- Roller catch.  
– **Standard Default**



## 7 Lock Types

- Designated by suffix
- Master® 5-disc  
– **Standard Default**  
Use when up to 225 key changes are required (master keyed).
- Master® 5-pin\*
- Grand Master® 5-pin\*

\*Use when up to 2000 primary key changes are required; 8-week lead time. Lock keying is determined by lock schedule.



## 8 Label Holders

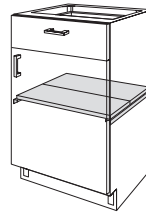
- None\*  
– **Standard Default**
- One each door, one each drawer head.  
Stainless Steel  
Black
- One per pair of doors, one each drawer head.  
Stainless Steel  
Black



Check "**None**" when full-width and semi-recessed polypropylene pulls are selected.

## 9 Base Unit Shelf

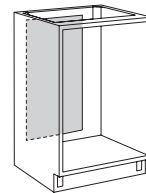
- One-Piece.  
– **Standard Default**
- Split.  
(2 pieces).



## 10 Removable Access Panel

Available on 100S and 200S Series base cabinets only.

- At cupboard areas only.  
– **Standard Default**
- At both cupboard and drawer areas.



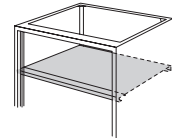
## 11 Glass – Framed and/or Unframed Doors

- Float glass – clear 6mm.  
– **Standard Default**
- Safety glass – laminated, 6mm (framed).
- Safety glass – tempered, 6mm (framed).



## 12 Security Panels Between Locked Sections

- Without panel.  
– **Standard Default**
- With panel.



## 13 Finish Wood door and drawer fronts only

- SEFA 8 – **Standard Default**

## Locking Suffixes

Insert appropriate letter in the 8<sup>th</sup> position of the product number.

Cupboard Units

With Lock: **L**  
W/O Lock: **Q**

Combination Units (Drawer over Door)

With Lock: **F**  
W/O Lock: **C** No lock at door; drawer lock only

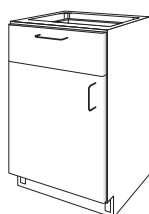
All Drawer Units

With Lock: **F**

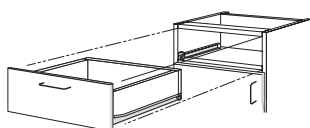
\*Drawer units are **not** available without locks

## 1 Cabinet Front

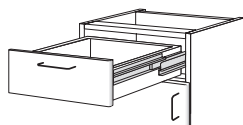
Flush Overlay Door/  
Drawer head style  
with radiused vertical  
edge profile  
Steel Flush Overlay  
cabinet fronts provide  
modern styling with  
tight reveals between  
doors and drawers.



## 2 Drawer Suspension



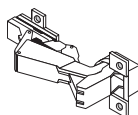
- Self-closing, self-centering, hold-open feature 100 lb. drawer runs.  
– **Standard Default**



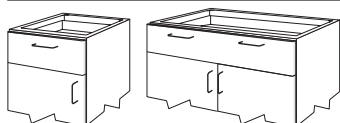
- SEFA 8 – Accuride (or equal)  
150 lb. full-extension drawer slides.

## 3 Door Hinges

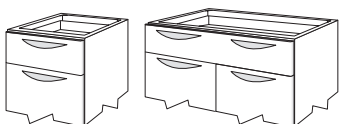
Concealed Hinge  
– **Standard Default**



## 4 Pull Direction at Doors



- **Configuration 1**  
Horizontal on drawers, vertical on doors.



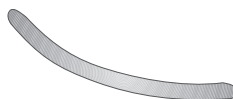
- **Configuration 2 (Waterfall only)**  
Horizontal on drawers and base cabinet doors.

Wall, upper and tall cases  
always have vertical pulls.

## 5 Pull Types Configuration 1 & 2 Only



**Configuration 1**  
**Wire Aluminum**  
Part No. 00028098



**Configuration 1**  
**Large Sweep Matte Chrome Wire**  
Part No. 00028143



**Configuration 1**  
**Small Sweep Matte**  
**Stainless Steel Wire**  
Part No. 00028147



**Configuration 1**  
**Slotted Nickel Matte**  
Part No. 00028145



**Configuration 1**  
**Contour Matte Stainless Steel**  
Part No. 00028146

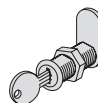


**Configuration 2**  
**Waterfall Nickel Matte**  
Part No. 00028144

## 6 Lock Types

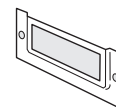
- Designated by suffix
- Master® 5-disc  
– **Standard Default**  
Use when up to 225 key changes  
are required (master keyed).
- Master® 5-pin\*
- Grand Master® 5-pin\*

\*Use when up to 2000 primary key  
changes are required; 8-week lead  
time. Lock keying is determined by  
lock schedule.



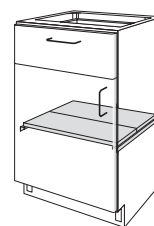
## 7 Label Holders

- None  
– **Standard Default**
- One per door, one  
each drawer head:  
Stainless Steel  
Black  
Goldtone
- One per pair of doors,  
one each drawer head  
Stainless Steel  
Black  
Goldtone
- Full width on drawers, aluminum



## 8 Base Unit Shelves

- One-piece  
– **Standard Default**
- Split, 2-piece

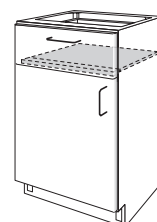


## 9 Glass

- Float glass – clear 6mm.  
– **Standard Default**
- Safety glass – laminated 6mm.
- Safety glass – tempered 6mm.

## 10 Security Panels

- Without  
security panel.  
– **Standard Default**
- With security panel.



## Locking Suffixes

Insert appropriate letter in the 8<sup>th</sup>  
position of the product number.

### Cupboard Units

With Lock: **L**  
W/O Lock: **Q**

### Combination Units (Drawer over Door)

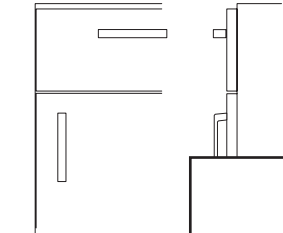
With Lock: **F**  
W/O Lock: **C**

### All Drawer Units

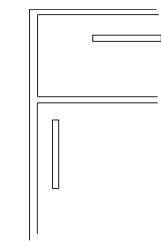
With Lock: **Z**  
W/O Lock: **C**



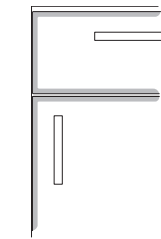
1 Cabinet Front and/or Drawer Style



- Flush Overlay (Rege – Standard Default  
Flush overlay cabin modern styling with between doors and



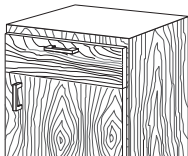
- Lipped Overlay (Leg Intermediate and co direction. Lipped ov combine traditional



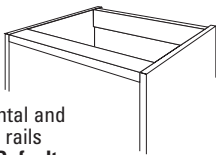
- Radius Overlay (Pro Fronts with exposed edges and flush ove
- Plastic Laminate Flu

3 Grain Direction

- Combination – Standard Default



6 Cabinet Top Frame



- Front horizontal and rear vertical rails – Standard Default

For wood laboratory casework information, please access the

Hamilton Scientific  
Wood Product Specification Catalog

or consult your local sales representative for assistance.

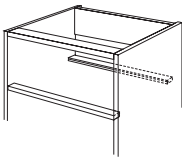
[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

2 Veneer Type

- Plain-Sliced Red Oak – Standard Default
- Rift-Cut Red Oak
- Plain-sliced select White Maple
- Rotary-sliced select White Maple

- Black
- Grey
- Chameleon
- White

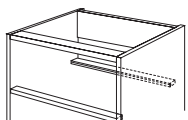
- With



**9 Security Panels**

Only available on locked cabinets.

- Without –  
– **Standard Default**  
(21.5" deep base cabinets).



- With –  
(Including front/ rear  
– **Standard Default** (15" base cabinets with locks)

**10 Removal**

- One-piece  
48" wide drawers or  
– **Standard**
- Two-piece  
behind cup

**10a Fixed Base and Upper**

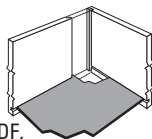
- Veneer M  
– **Standard**
- Tempered

**11 Drawer Construction**

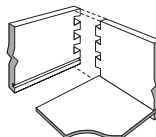
- Standard H  
– **Standard**
- Extended H

**12 Drawer Construction**

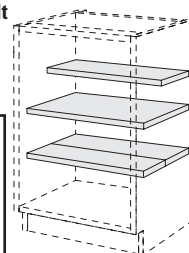
- Lock Joint  
5mm white finished  
MDF, no divider  
grooves. –  
– **Standard Default**
- Lock Joint  
5mm white finished MDF,  
with divider grooves.
- Lock Joint  
5mm tempered hardboard bottom, no  
divider grooves.
- Lock Joint  
5mm tempered hardboard bottom, with  
divider grooves.

**12 Drawer Construction – Drawer Joinery (Continued)**

- Multiple Dovetail  
5mm white PVC  
clad MDF, no divider  
grooves.
- Multiple Dovetail  
5mm white PVC clad  
MDF, with divider

**15 Base Cabinet Shelf Depth**

- Half-depth  
12" Shelf  
– **Standard Default**  
Half-depth  
shelves  
accommodate  
storage of tall



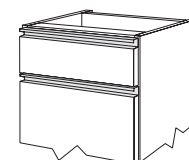
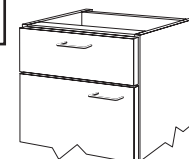
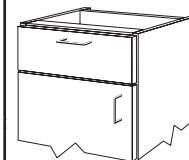
15"

1/2" thick.

100 lb. rating.

Two sets are  
with shelves.

Key

**Pull Direction**

- Configuration 3\*  
Full-width,  
horizontal on  
drawers, vertical  
on doors.

Wall, upper  
and tall cases always  
have vertical pulls.

For wood laboratory casework information,  
please access the

## Hamilton Scientific Wood Product Specification Catalog

or consult your local sales representative for assistance.

[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

self-closing, epoxy-coated.

**14 Shelf Material**

Veneer core plywood construction.  
15" deep base cabinets are provided with  
12" deep shelf only – half/split depth shelf  
options not available.

- Wood – **Standard Default**
- Steel Color – Cognac  
Adjustable shelves only; veneer core  
plywood on fixed shelves.

**19a** Pull Types  
Available in Configuration 1 & 2 Only

Goldtone wire – p  
Stainless steel wi  
Satin chrome wir  
Polished chrome  
Brite chrome wire  
(chrome powder)  
Dove grey wire  
Chameleon wire  
Aluminum wire

Brushed aluminum  
rectangular style

Semi-recessed  
polypropylene  
(Regency flush or  
Profile radius and  
laminate flush  
overlay only)

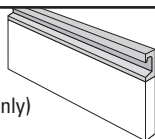
Black  
Grey  
Chameleon  
White

Flush aluminum  
(Regency flush overlay)  
Profile radius and  
laminate  
flush overlay only

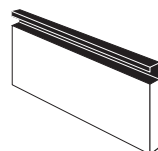
**19b Pull Types**  
Available in Cor

- Flush full-width aluminum (Regency flush and laminate flush only)

- Flush full-width solid hardwood integral pull (Regency flush overlay and profile radius flush overlay only)



- Flush full-width black  
(Regency flush overlay only)

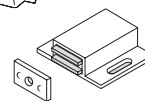


5-Knuckle steel hinges offer proven long-term durability in a variety of attractive finishes.

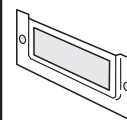
## 5. Knyuklo



- Roller
  - **Standard Default**
- Magnetic



nges)



th and  
e pulls are

ll, upper and  
nd upper

6mm on all

3mm on wall,  
m on wall and  
glass.

ard Default  
ncealed

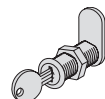
areas

**ware**

**ult**

- Designated by suffix
- Master® 5-disc
  - **Standard Default**

Use when up to 225  
key changes  
are required (master keyed).



- Master® 5-pin\*
- Grand Master® 5-pin\*

\*Use when up to 2000 primary key changes are required; 8-week lead time. Lock keying is determined by lock schedule.

Insert appropriate letter in the 8<sup>th</sup> position of the product number.

### Cupboard Units

With Lock: L  
W/O Lock: 0

### Combination Units (Drawer over Door)

With Lock: **F**  
W/O Lock: **C**

### All Drawer Units

With Lock: **Z**  
Drawer units are **not**  
available without locks

**System Colors and Cabinet Options**

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Proper selection of work surface material is critical in creating a functional laboratory.

Work surface options include epoxy resin, phenolic resin, high-pressure laminate or glass.

See Work Surfaces section, page 59.

**Accessories**

---

Key service delivery components including ceiling panels, quick-connect fixtures and service lines are included in this section.

Other accessories, including modesty panels, lighting and computer support arms make the Hamilton Distinction system more comfortable and convenient for paperwork tasks.

For additional laboratory accessories refer to the Hamilton Scientific Fixtures and Accessories Catalog.

**UL 962 Listing**

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The completely assembled lab bench and only certain accessories are UL 962 Listed. The accessories by themselves are not UL Listed, and some accessories are not part of the UL Listing.

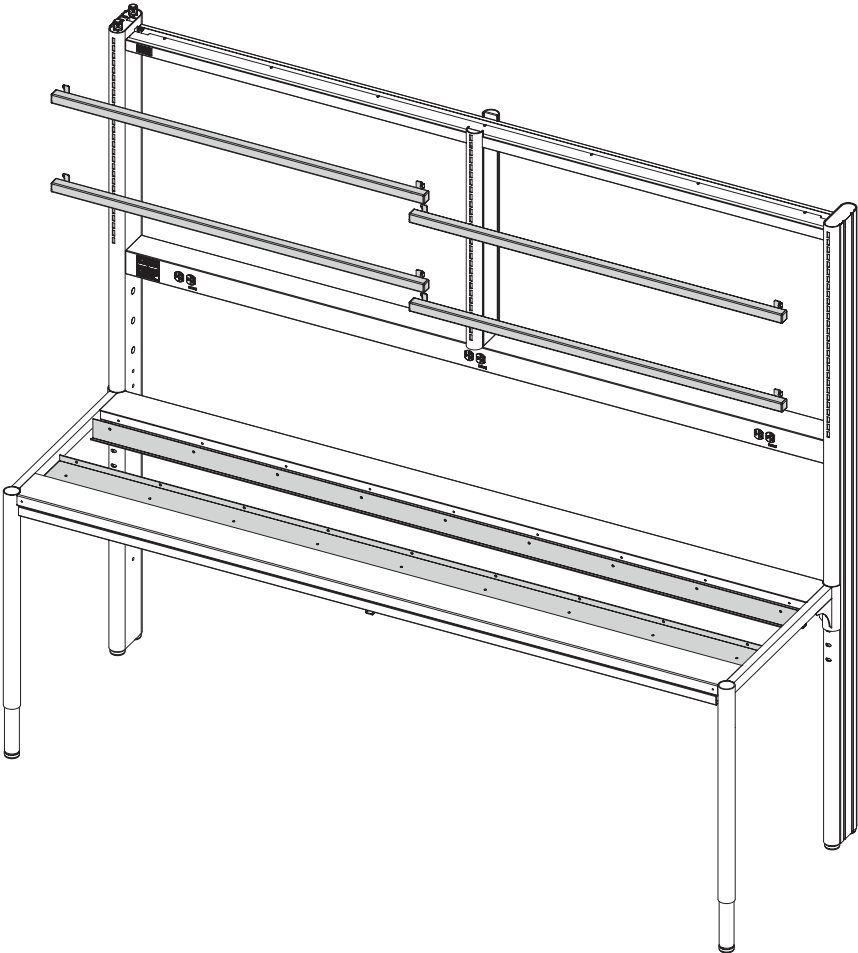
Service fixtures and quick-connects must be ordered separately and field installed. Service fixtures and quick-connects are not part of the UL Listing.

See individual pages for information on UL 962 pertaining to each product.



Bench assemblies utilize free-standing modular support structures to support work surfaces and storage components.

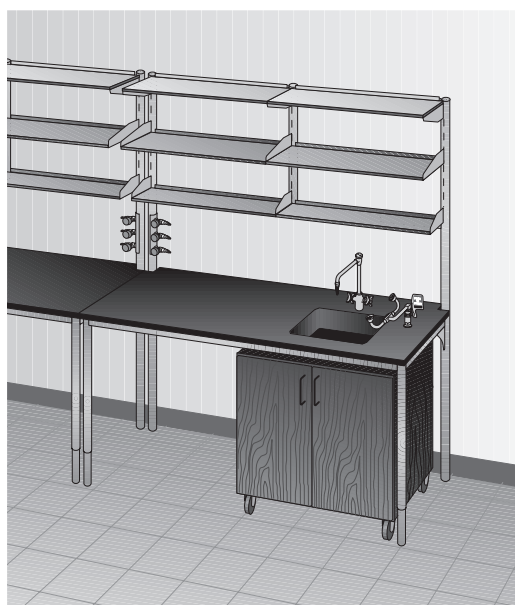
<b>Bench Frames Without Uprights</b> . . . .	p. 18-29
<b>Rear Frame Assemblies</b> . . . . .	p. 20-28
<b>Shared Frame Assemblies</b> . . . . .	p. 29-33
<b>Wall Mount Units</b> . . . . .	p. 34
<b>Suspended Units</b> . . . . .	p. 34






Four-post bench frames are freestanding structures without uprights for supporting overhead storage shelving and services.

**Bench Frames without Uprights** ..... p. 18-19



- Stainless steel or powdercoated steel finish
- Height adjustments are 31", 33", 35" and 37" (including 1" top)
- 2" tubular legs with levelers
- Modesty panel is optional, see Accessories section
- Depth provides for a 30" deep work surface
- For work surfaces, see Work Surfaces section
- For lower cabinets, see Lower Storage section
- **UL 962 Listed**



**LISTED**  
20FC

**DISTINCTION BENCH SYSTEM**  
POWERED FURNITURE  
FOR COMMERCIAL USE ONLY  
Fisher Hamilton LLC Two Rivers, WI

**PRODUCT NUMBER**

**MFG DATE**

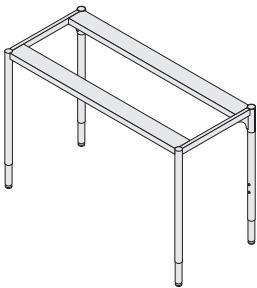
RATINGS: 120/240 V, 16 AMPS PER CIRCUIT  
MAX PRESSURE: 120 PSI MAX TEMP: 66°C  
\*INSTALLATION AND USAGE OF THE SERVICE LINES TO MEET ALL APPLICABLE NATIONAL AND LOCAL CODES.

WARNING!

MAX. LOAD 600 LBS WORKSURFACE  
MAX. LOAD 100 LBS SHELVING  
MAX. LOAD 150 LBS CABINETS

PL-981
JULY 11
P/N-70983

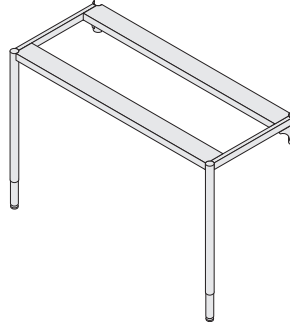
## Four-Post Bench Frames



- Adjustable height table frame for stand-alone applications
- Bench frames are field assembled to leg kit
- **UL 962 Listed**

Product No.	Width
<b>Painted Steel Frame</b>	
549H0042	41-3/4" (1061mm)
549H0048	47-3/4" (1213mm)
549H0060	59-3/4" (1518mm)
549H0072	71-3/4" (1822mm)
549H0096	95-3/4" (2432mm)
<b>Stainless Steel Frame</b>	
549H0042SS	41-3/4" (1061mm)
549H0048SS	47-3/4" (1213mm)
549H0060SS	59-3/4" (1518mm)
549H0072SS	71-3/4" (1822mm)
549H0096SS	95-3/4" (2432mm)

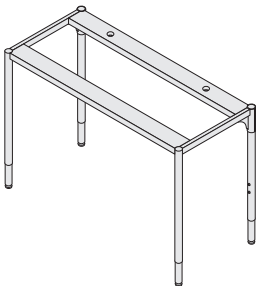
## Two-Post Bench Frames



- Adjustable height bench frame for application with rear frame assemblies
- **UL 962 Listed**

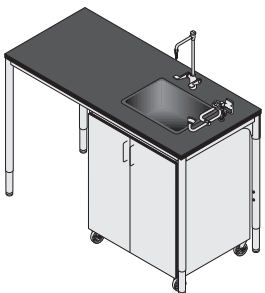
Product No.	Width
<b>Painted Steel Frame</b>	
549H0142	41-3/4" (1061mm)
549H0148	47-3/4" (1213mm)
549H0160	59-3/4" (1518mm)
549H0172	71-3/4" (1822mm)
549H0196	95-3/4" (2432mm)
<b>Stainless Steel Frame</b>	
549H0142SS	41-3/4" (1061mm)
549H0148SS	47-3/4" (1213mm)
549H0160SS	59-3/4" (1518mm)
549H0172SS	71-3/4" (1822mm)
549H0196SS	95-3/4" (2432mm)

## Four-Post Sink Bench Frames

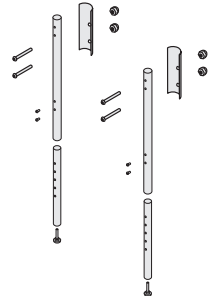


- Adjustable height table frame for application with sink in work surface
- Two fixture cutouts in back horizontal rail
- Bench frames are field assembled to leg kit
- **UL 962 Listed**

Product No.	Width
<b>Painted Steel Frame</b>	
549H8442	41-3/4" (1061mm)
549H8448	47-3/4" (1213mm)
549H8460	59-3/4" (1518mm)
549H8472	71-3/4" (1822mm)
549H8496	95-3/4" (2432mm)
<b>Stainless Steel Frame</b>	
549H8442SS	41-3/4" (1061mm)
549H8448SS	47-3/4" (1213mm)
549H8460SS	59-3/4" (1518mm)
549H8472SS	71-3/4" (1822mm)
549H8496SS	95-3/4" (2432mm)



## Four-Post Bench Leg Kit

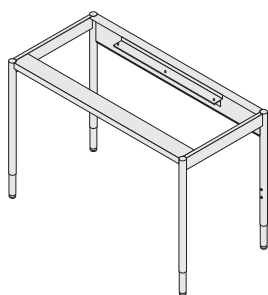


- Adjustable height tubular leg kit for converting a two-post bench frame to a four-post bench
- Hardware to attach to the two-post bench frames included

Product No.
<b>Painted Steel</b>
549H0200
<b>Stainless Steel</b>
549H0200SS

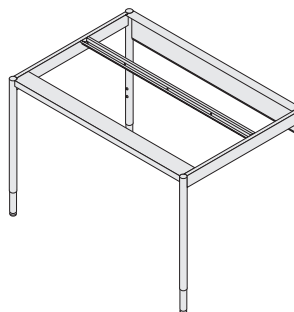
- Stainless steel or powdercoated steel finish
- Height adjustments are 31", 33", 35" and 37"
- 2" tubular legs with levelers
- Modesty panel is optional, see Accessories section
- For fume hood superstructures, see Fume Hood section
- For work surfaces, see Page 59
- For lower cabinets, see Lower Storage section

### Four-Post Fume Hood Bench Frames



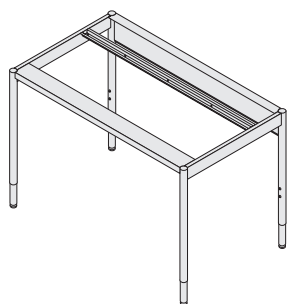
- Adjustable height bench frame for supporting a fume hood.
- Depth: 29"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8148	47-3/4" (1213mm)
549H8160	59-3/4" (1518mm)
549H8172	71-3/4" (1822mm)
<b>Stainless Steel Frame</b>	
549H8148SS	47-3/4" (1213mm)
549H8160SS	59-3/4" (1518mm)
549H8172SS	71-3/4" (1822mm)



- Adjustable height bench frame for supporting a fume hood.
- Depth: 41"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8348	47-3/4" (1213mm)
549H8360	59-3/4" (1518mm)
549H8372	71-3/4" (1822mm)
<b>Stainless Steel Frame</b>	
549H8348SS	47-3/4" (1213mm)
549H8360SS	59-3/4" (1518mm)
549H8372SS	71-3/4" (1822mm)



- Adjustable height bench frame for supporting a fume hood.
- Depth: 35"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8248	47-3/4" (1213mm)
549H8260	59-3/4" (1518mm)
549H8272	71-3/4" (1822mm)
<b>Stainless Steel Frame</b>	
549H8248SS	47-3/4" (1213mm)
549H8260SS	59-3/4" (1518mm)
549H8272SS	71-3/4" (1822mm)



Single structural frame assemblies become freestanding structures when combined with two-post bench frames. Attachment hardware included.

Single frames are available in painted steel or stainless steel.

Painted and stainless steel frames can have none, one, two or three 1/4" diameter copper tubing service lines with chrome plated brass fittings. Unions, reducers, disconnects and service fixtures are installed by others.

**Raceway Outlets**

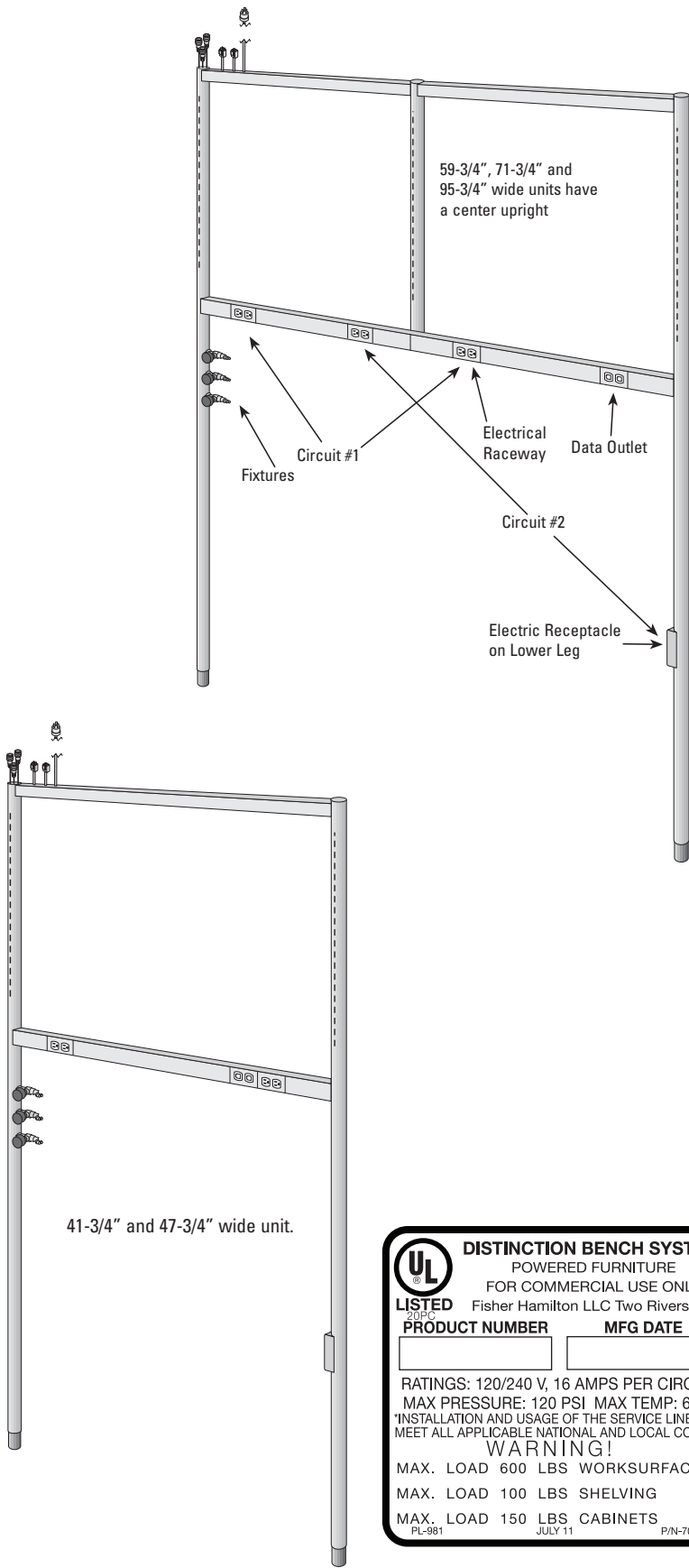
Width	(Duplex) Electrical	(Double) Telecommunications
41-3/4"	2	1
47-3/4"	2	1
59-3/4"	3	1
71-3/4"	3	1
95-3/4"	4	1


**Single Frame Assemblies**  
Raceways for the single frames are to have two 20 amp hospital grade duplexes on the horizontal raceway on the 42" and 48" units, three 20 amp hospital grade duplexes on the 60", 72" and 96" wide units and an optional 20 amp duplex outlet located in the vertical uprghit under the work surface.

Single frames are equipped with 3-prong, twist-lock power cords:  
1 circuit – 1 power cord – 16 AMP  
2 circuit – 2 power cords – 16 AMP

**Color**  
All duplexes are grey in color with the exception of 20A outlets on the lower and uprights of single frames, which are black.

Single Frame Assemblies . . . . . p. 20-28



**DISTINCTION BENCH SYSTEM**  
POWERED FURNITURE  
FOR COMMERCIAL USE ONLY  
Fisher Hamilton LLC Two Rivers, WI

**LISTED**  
2016C

**PRODUCT NUMBER**

**MFG DATE**

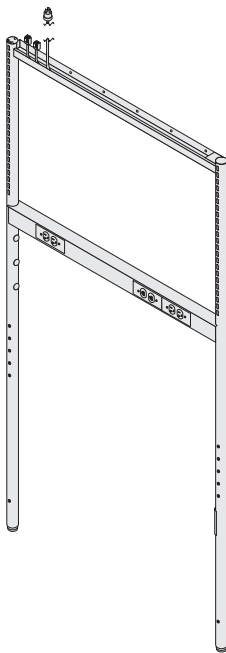
RATINGS: 120/240 V, 16 AMPS PER CIRCUIT  
MAX PRESSURE: 120 PSI MAX TEMP: 66°C  
\*INSTALLATION AND USAGE OF THE SERVICE LINES TO MEET ALL APPLICABLE NATIONAL AND LOCAL CODES.

**WARNING!**  
MAX. LOAD 600 LBS WORKSURFACE  
MAX. LOAD 100 LBS SHELVING  
MAX. LOAD 150 LBS CABINETS

PL-981 JULY 11 P/N-70983

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly – Without Receptacle or Fixtures



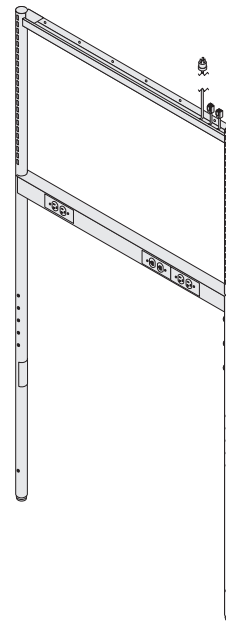
- Plugged holes for fixtures in left upright and covered opening for receptacle in right upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1142	41-3/4" (1061mm)
549H1148	47-3/4" (1213mm)
549H1160	59-3/4" (1518mm)
549H1172	71-3/4" (1822mm)
549H1196	95-3/4" (2432mm)
Stainless Steel Frame	
549H1142SS	41-3/4" (1061mm)
549H1148SS	47-3/4" (1213mm)
549H1160SS	59-3/4" (1518mm)
549H1172SS	71-3/4" (1822mm)
549H1196SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2742	41-3/4" (1061mm)
549H2748	47-3/4" (1213mm)
549H2760	59-3/4" (1518mm)
549H2772	71-3/4" (1822mm)
549H2796	95-3/4" (2432mm)
Stainless Steel Frame	
549H2742SS	41-3/4" (1061mm)
549H2748SS	47-3/4" (1213mm)
549H2760SS	59-3/4" (1518mm)
549H2772SS	71-3/4" (1822mm)
549H2796SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1160A	59-3/4" (1524mm)
549H1172A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1160SSA	59-3/4" (1524mm)
549H1172SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2760A	59-3/4" (1524mm)
549H2772A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2760SSA	59-3/4" (1524mm)
549H2772SSA	71-3/4" (1829mm)

### Right Single Frame Assembly – Without Receptacle or Fixtures



- Plugged holes for fixtures in right upright and covered opening for receptacle in left upright.

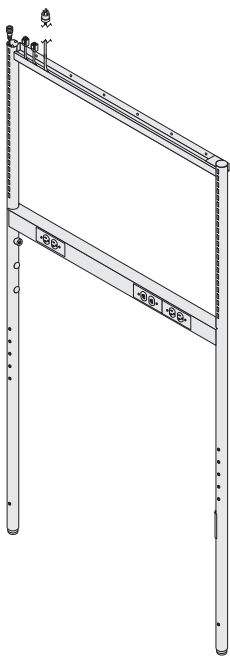
Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1242	41-3/4" (1061mm)
549H1248	47-3/4" (1213mm)
549H1260	59-3/4" (1518mm)
549H1272	71-3/4" (1822mm)
549H1296	95-3/4" (2432mm)
Stainless Steel Frame	
549H1242SS	41-3/4" (1061mm)
549H1248SS	47-3/4" (1213mm)
549H1260SS	59-3/4" (1518mm)
549H1272SS	71-3/4" (1822mm)
549H1296SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2842	41-3/4" (1061mm)
549H2848	47-3/4" (1213mm)
549H2860	59-3/4" (1518mm)
549H2872	71-3/4" (1822mm)
549H2896	95-3/4" (2432mm)
Stainless Steel Frame	
549H2842SS	41-3/4" (1061mm)
549H2848SS	47-3/4" (1213mm)
549H2860SS	59-3/4" (1518mm)
549H2872SS	71-3/4" (1822mm)
549H2896SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1260A	59-3/4" (1524mm)
549H1272A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1260SSA	59-3/4" (1524mm)
549H1272SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2860A	59-3/4" (1524mm)
549H2872A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2860SSA	59-3/4" (1524mm)
549H2872SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly – Without Receptacle and with One Fixture



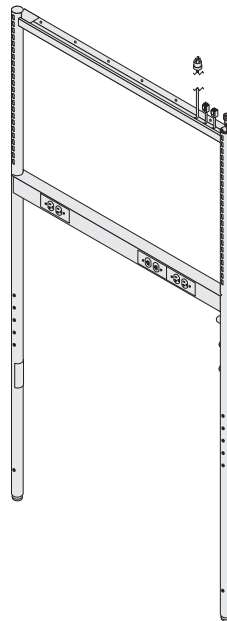
- One fixture outlet and two plugged holes for fixtures in left upright and covered opening for receptacle in right upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1342	41-3/4" (1061mm)
549H1348	47-3/4" (1213mm)
549H1360	59-3/4" (1518mm)
549H1372	71-3/4" (1822mm)
549H1396	95-3/4" (2432mm)
Stainless Steel Frame	
549H1342SS	41-3/4" (1061mm)
549H1348SS	47-3/4" (1213mm)
549H1360SS	59-3/4" (1518mm)
549H1372SS	71-3/4" (1822mm)
549H1396SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2942	41-3/4" (1061mm)
549H2948	47-3/4" (1213mm)
549H2960	59-3/4" (1518mm)
549H2972	71-3/4" (1822mm)
549H2996	95-3/4" (2432mm)
Stainless Steel Frame	
549H2942SS	41-3/4" (1061mm)
549H2948SS	47-3/4" (1213mm)
549H2960SS	59-3/4" (1518mm)
549H2972SS	71-3/4" (1822mm)
549H2996SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1360A	59-3/4" (1524mm)
549H1372A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1360SSA	59-3/4" (1524mm)
549H1372SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2960A	59-3/4" (1524mm)
549H2972A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2960SSA	59-3/4" (1524mm)
549H2972SSA	71-3/4" (1829mm)

### Right Single Frame Assembly – Without Receptacle and with One Fixture



- One fixture outlet and two plugged holes for fixtures in right upright and covered opening for receptacle in left upright.

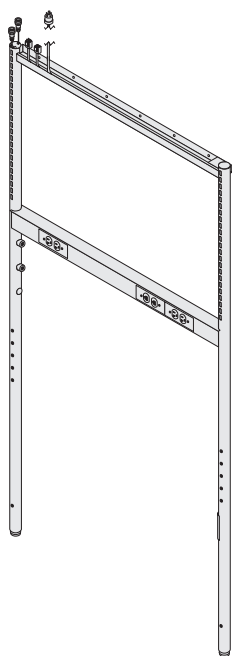
Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1442	41-3/4" (1061mm)
549H1448	47-3/4" (1213mm)
549H1460	59-3/4" (1518mm)
549H1472	71-3/4" (1822mm)
549H1496	95-3/4" (2432mm)
Stainless Steel Frame	
549H1442SS	41-3/4" (1061mm)
549H1448SS	47-3/4" (1213mm)
549H1460SS	59-3/4" (1518mm)
549H1472SS	71-3/4" (1822mm)
549H1496SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3042	41-3/4" (1061mm)
549H3048	47-3/4" (1213mm)
549H3060	59-3/4" (1518mm)
549H3072	71-3/4" (1822mm)
549H3096	95-3/4" (2432mm)
Stainless Steel Frame	
549H3042SS	41-3/4" (1061mm)
549H3048SS	47-3/4" (1213mm)
549H3060SS	59-3/4" (1518mm)
549H3072SS	71-3/4" (1822mm)
549H3096SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1460A	59-3/4" (1524mm)
549H1472A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1460SSA	59-3/4" (1524mm)
549H1472SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3060A	59-3/4" (1524mm)
549H3072A	71-3/4" (1829mm)
Stainless Steel Frame	
549H3060SSA	59-3/4" (1524mm)
549H2272SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly – Without Receptacle and with Two Fixtures



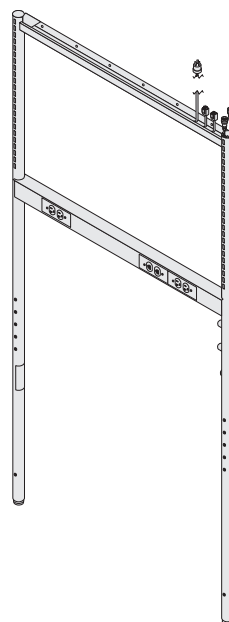
- Two fixture outlets and one plugged hole for fixture in left upright and covered opening for receptacle in right upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1542	41-3/4" (1061mm)
549H1548	47-3/4" (1213mm)
549H1560	59-3/4" (1518mm)
549H1572	71-3/4" (1822mm)
549H1596	95-3/4" (2432mm)
Stainless Steel Frame	
549H1542SS	41-3/4" (1061mm)
549H1548SS	47-3/4" (1213mm)
549H1560SS	59-3/4" (1518mm)
549H1572SS	71-3/4" (1822mm)
549H1596SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3142	41-3/4" (1061mm)
549H3148	47-3/4" (1213mm)
549H3160	59-3/4" (1518mm)
549H3172	71-3/4" (1822mm)
549H3196	95-3/4" (2432mm)
Stainless Steel Frame	
549H3142SS	41-3/4" (1061mm)
549H3148SS	47-3/4" (1213mm)
549H3160SS	59-3/4" (1518mm)
549H3172SS	71-3/4" (1822mm)
549H3196SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1560A	59-3/4" (1524mm)
549H1572A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1560SSA	59-3/4" (1524mm)
549H1572SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3160A	59-3/4" (1524mm)
549H3172A	71-3/4" (1829mm)
Stainless Steel Frame	
549H3160SSA	59-3/4" (1524mm)
549H3172SSA	71-3/4" (1829mm)

### Right Single Frame Assembly – Without Receptacle and with Two Fixtures



- Two fixture outlets and one plugged hole for fixture in right upright and covered opening for receptacle in left upright.

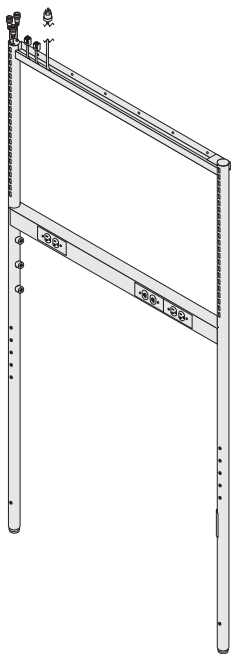
Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1642	41-3/4" (1061mm)
549H1648	47-3/4" (1213mm)
549H1660	59-3/4" (1518mm)
549H1672	71-3/4" (1822mm)
549H1696	95-3/4" (2432mm)
Stainless Steel Frame	
549H1642SS	41-3/4" (1061mm)
549H1648SS	47-3/4" (1213mm)
549H1660SS	59-3/4" (1518mm)
549H1672SS	71-3/4" (1822mm)
549H1696SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3242	41-3/4" (1061mm)
549H3248	47-3/4" (1213mm)
549H3260	59-3/4" (1518mm)
549H3272	71-3/4" (1822mm)
549H3296	95-3/4" (2432mm)
Stainless Steel Frame	
549H3242SS	41-3/4" (1061mm)
549H3248SS	47-3/4" (1213mm)
549H3260SS	59-3/4" (1518mm)
549H3272SS	71-3/4" (1822mm)
549H3296SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1660A	59-3/4" (1524mm)
549H1672A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1660SSA	59-3/4" (1524mm)
549H1672SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3260A	59-3/4" (1524mm)
549H3272A	71-3/4" (1829mm)
Stainless Steel Frame	
549H3260SSA	59-3/4" (1524mm)
549H3272SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly – Without Receptacle and with Three Fixtures



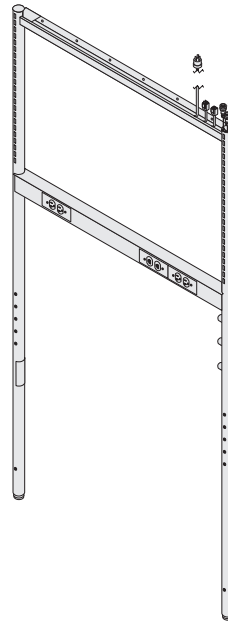
- Three fixture outlets in left upright and covered opening for receptacle in right upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1742	41-3/4" (1061mm)
549H1748	47-3/4" (1213mm)
549H1760	59-3/4" (1518mm)
549H1772	71-3/4" (1822mm)
549H1796	95-3/4" (2432mm)
Stainless Steel Frame	
549H1742SS	41-3/4" (1061mm)
549H1748SS	47-3/4" (1213mm)
549H1760SS	59-3/4" (1518mm)
549H1772SS	71-3/4" (1822mm)
549H1796SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3342	41-3/4" (1061mm)
549H3348	47-3/4" (1213mm)
549H3360	59-3/4" (1518mm)
549H3372	71-3/4" (1822mm)
549H3396	95-3/4" (2432mm)
Stainless Steel Frame	
549H3342SS	41-3/4" (1061mm)
549H3348SS	47-3/4" (1213mm)
549H3360SS	59-3/4" (1518mm)
549H3372SS	71-3/4" (1822mm)
549H3396SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1760A	59-3/4" (1524mm)
549H1772A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1760SSA	59-3/4" (1524mm)
549H1772SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3360A	59-3/4" (1524mm)
549H3372A	71-3/4" (1829mm)
Stainless Steel Frame	
549H3360SSA	59-3/4" (1524mm)
549H3372SSA	71-3/4" (1829mm)

### Right Single Frame Assembly – Without Receptacle and with Three Fixtures



- Three fixture outlets in right upright and covered opening for receptacle in left upright.

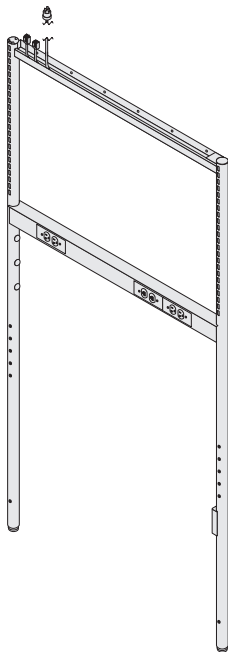
Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1842	41-3/4" (1061mm)
549H1848	47-3/4" (1213mm)
549H1860	59-3/4" (1518mm)
549H1872	71-3/4" (1822mm)
549H1896	95-3/4" (2432mm)
Stainless Steel Frame	
549H1842SS	41-3/4" (1061mm)
549H1848SS	47-3/4" (1213mm)
549H1860SS	59-3/4" (1518mm)
549H1872SS	71-3/4" (1822mm)
549H1896SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3442	41-3/4" (1061mm)
549H3448	47-3/4" (1213mm)
549H3460	59-3/4" (1518mm)
549H3472	71-3/4" (1822mm)
549H3496	95-3/4" (2432mm)
Stainless Steel Frame	
549H3442SS	41-3/4" (1061mm)
549H3448SS	47-3/4" (1213mm)
549H3460SS	59-3/4" (1518mm)
549H3472SS	71-3/4" (1822mm)
549H3496SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1860A	59-3/4" (1524mm)
549H1872A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1860SSA	59-3/4" (1524mm)
549H1872SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3460A	59-3/4" (1524mm)
549H3472A	71-3/4" (1829mm)
Stainless Steel Frame	
549H3460SSA	59-3/4" (1524mm)
549H3472SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly – With One Receptacle and Without Fixtures



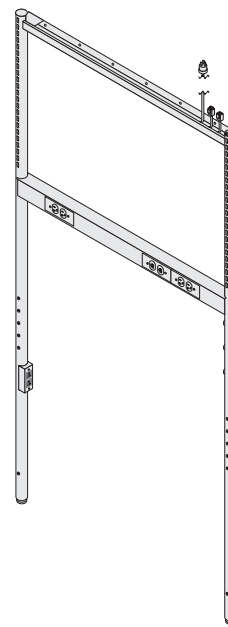
- Plugged holes for fixtures in left upright and one receptacle in right upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0342	41-3/4" (1061mm)
549H0348	47-3/4" (1213mm)
549H0360	59-3/4" (1518mm)
549H0372	71-3/4" (1822mm)
549H0396	95-3/4" (2432mm)
Stainless Steel Frame	
549H0342SS	41-3/4" (1061mm)
549H0348SS	47-3/4" (1213mm)
549H0360SS	59-3/4" (1518mm)
549H0372SS	71-3/4" (1822mm)
549H0396SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H1942	41-3/4" (1061mm)
549H1948	47-3/4" (1213mm)
549H1960	59-3/4" (1518mm)
549H1972	71-3/4" (1822mm)
549H1996	95-3/4" (2432mm)
Stainless Steel Frame	
549H1942SS	41-3/4" (1061mm)
549H1948SS	47-3/4" (1213mm)
549H1960SS	59-3/4" (1518mm)
549H1972SS	71-3/4" (1822mm)
549H1996SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0360A	59-3/4" (1524mm)
549H0372A	71-3/4" (1829mm)
Stainless Steel Frame	
549H0360SSA	59-3/4" (1524mm)
549H0372SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H1960A	59-3/4" (1524mm)
549H1972A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1960SSA	59-3/4" (1524mm)
549H1972SSA	71-3/4" (1829mm)

### Right Single Frame Assembly – With One Receptacle and Without Fixtures



- Plugged holes for fixtures in right upright and one receptacle in left upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0442	41-3/4" (1061mm)
549H0448	47-3/4" (1213mm)
549H0460	59-3/4" (1518mm)
549H0472	71-3/4" (1822mm)
549H0496	95-3/4" (2432mm)
Stainless Steel Frame	
549H0442SS	41-3/4" (1061mm)
549H0448SS	47-3/4" (1213mm)
549H0460SS	59-3/4" (1518mm)
549H0472SS	71-3/4" (1822mm)
549H0496SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2042	41-3/4" (1061mm)
549H2048	47-3/4" (1213mm)
549H2060	59-3/4" (1518mm)
549H2072	71-3/4" (1822mm)
549H2096	95-3/4" (2432mm)
Stainless Steel Frame	
549H2042SS	41-3/4" (1061mm)
549H2048SS	47-3/4" (1213mm)
549H2060SS	59-3/4" (1518mm)
549H2072SS	71-3/4" (1822mm)
549H2096SS	95-3/4" (2432mm)

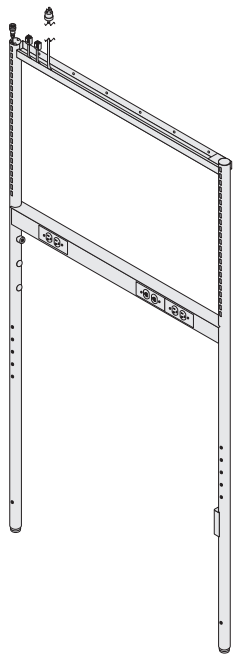
- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0460A	59-3/4" (1524mm)
549H0472A	71-3/4" (1829mm)
Stainless Steel Frame	
549H0460SSA	59-3/4" (1524mm)
549H0472SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2060A	59-3/4" (1524mm)
549H2072A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2060SSA	59-3/4" (1524mm)
549H2072SSA	71-3/4" (1829mm)



- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly — With One Receptacle and One Fixture



- One fixture outlet and plugged holes for two fixtures in left upright and one receptacle in right upright

Product No.	Width
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#### Single-Circuit

##### Painted Steel Frame

549H0542	41-3/4" (1061mm)
549H0548	47-3/4" (1213mm)
549H0560	59-3/4" (1518mm)
549H0572	71-3/4" (1822mm)
549H0596	95-3/4" (2432mm)

##### Stainless Steel Frame

549H0542SS	41-3/4" (1061mm)
549H0548SS	47-3/4" (1213mm)
549H0560SS	59-3/4" (1518mm)
549H0572SS	71-3/4" (1822mm)
549H0596SS	95-3/4" (2432mm)

#### Double-Circuit

##### Painted Steel Frame

549H2142	41-3/4" (1061mm)
549H2148	47-3/4" (1213mm)
549H2160	59-3/4" (1518mm)
549H2172	71-3/4" (1822mm)
549H2196	95-3/4" (2432mm)

##### Stainless Steel Frame

549H2142SS	41-3/4" (1061mm)
549H2148SS	47-3/4" (1213mm)
549H2160SS	59-3/4" (1518mm)
549H2172SS	71-3/4" (1822mm)
549H2196SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
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#### Single-Circuit

##### Painted Steel Frame

549H0560A	59-3/4" (1524mm)
549H0572A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H0560SSA	59-3/4" (1524mm)
549H0572SSA	71-3/4" (1829mm)

#### Double-Circuit

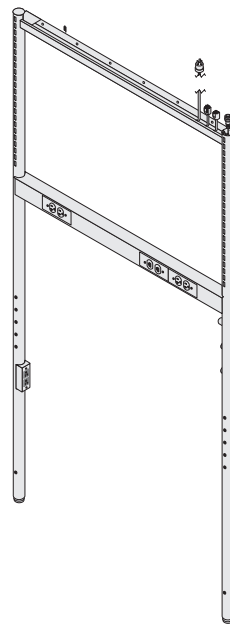
##### Painted Steel Frame

549H2160A	59-3/4" (1524mm)
549H2172A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H2160SSA	59-3/4" (1524mm)
549H2172SSA	71-3/4" (1829mm)

### Right Single Frame Assembly — With One Receptacle and One Fixture



- One fixture outlet and two plugged holes for fixtures in right upright and one receptacle in left upright

Product No.	Width
-------------	-------

#### Single-Circuit

##### Painted Steel Frame

549H0642	41-3/4" (1061mm)
549H0648	47-3/4" (1213mm)
549H0660	59-3/4" (1518mm)
549H0672	71-3/4" (1822mm)
549H0696	95-3/4" (2432mm)

##### Stainless Steel Frame

549H0642SS	41-3/4" (1061mm)
549H0648SS	47-3/4" (1213mm)
549H0660SS	59-3/4" (1518mm)
549H0672SS	71-3/4" (1822mm)
549H0696SS	95-3/4" (2432mm)

#### Double-Circuit

##### Painted Steel Frame

549H2242	41-3/4" (1061mm)
549H2248	47-3/4" (1213mm)
549H2260	59-3/4" (1518mm)
549H2272	71-3/4" (1822mm)
549H2296	95-3/4" (2432mm)

##### Stainless Steel Frame

549H2242SS	41-3/4" (1061mm)
549H2248SS	47-3/4" (1213mm)
549H2260SS	59-3/4" (1518mm)
549H2272SS	71-3/4" (1822mm)
549H2296SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
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#### Single-Circuit

##### Painted Steel Frame

549H0660A	59-3/4" (1524mm)
549H0672A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H0660SSA	59-3/4" (1524mm)
549H0672SSA	71-3/4" (1829mm)

#### Double-Circuit

##### Painted Steel Frame

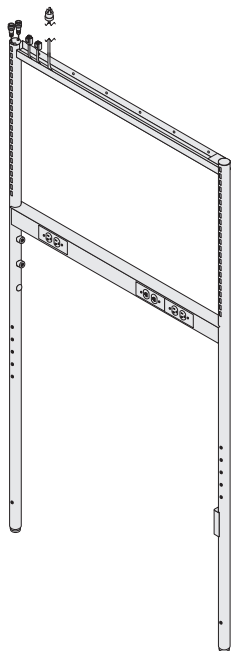
549H2260A	59-3/4" (1524mm)
549H2272A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H2260SSA	59-3/4" (1524mm)
549H2272SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly — With One Receptacle and Two Fixtures



- Two fixture outlets and one plugged hole for fixture in left upright and one receptacle in right upright

Product No.	Width
-------------	-------

#### Single-Circuit

##### Painted Steel Frame

549H0742	41-3/4" (1061mm)
549H0748	47-3/4" (1213mm)
549H0760	59-3/4" (1518mm)
549H0772	71-3/4" (1822mm)
549H0796	95-3/4" (2432mm)

##### Stainless Steel Frame

549H0742SS	41-3/4" (1061mm)
549H0748SS	47-3/4" (1213mm)
549H0760SS	59-3/4" (1518mm)
549H0772SS	71-3/4" (1822mm)
549H0796SS	95-3/4" (2432mm)

#### Double-Circuit

##### Painted Steel Frame

549H2342	41-3/4" (1061mm)
549H2348	47-3/4" (1213mm)
549H2360	59-3/4" (1518mm)
549H2372	71-3/4" (1822mm)
549H2396	95-3/4" (2432mm)

##### Stainless Steel Frame

549H2342SS	41-3/4" (1061mm)
549H2348SS	47-3/4" (1213mm)
549H2360SS	59-3/4" (1518mm)
549H2372SS	71-3/4" (1822mm)
549H2396SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
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#### Single-Circuit

##### Painted Steel Frame

549H0760A	59-3/4" (1524mm)
549H0772A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H0760SSA	59-3/4" (1524mm)
549H0772SSA	71-3/4" (1829mm)

#### Double-Circuit

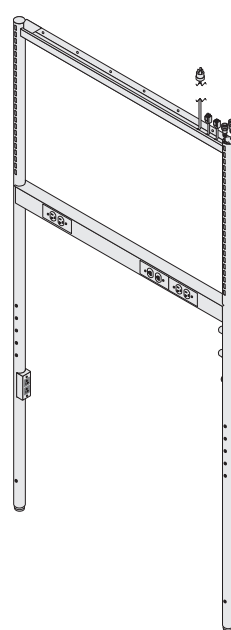
##### Painted Steel Frame

549H2360A	59-3/4" (1524mm)
549H2372A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H2360SSA	59-3/4" (1524mm)
549H2372SSA	71-3/4" (1829mm)

### Right Single Frame Assembly — With One Receptacle and Two Fixtures



- Two fixture outlets and one plugged hole for fixture in right upright and one receptacle in left upright

Product No.	Width
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#### Single-Circuit

##### Painted Steel Frame

549H0842	41-3/4" (1061mm)
549H0848	47-3/4" (1213mm)
549H0860	59-3/4" (1518mm)
549H0872	71-3/4" (1822mm)
549H0896	95-3/4" (2432mm)

##### Stainless Steel Frame

549H0842SS	41-3/4" (1061mm)
549H0848SS	47-3/4" (1213mm)
549H0860SS	59-3/4" (1518mm)
549H0872SS	71-3/4" (1822mm)
549H0896SS	95-3/4" (2432mm)

#### Double-Circuit

##### Painted Steel Frame

549H2442	41-3/4" (1061mm)
549H2448	47-3/4" (1213mm)
549H2460	59-3/4" (1518mm)
549H2472	71-3/4" (1822mm)
549H2496	95-3/4" (2432mm)

##### Stainless Steel Frame

549H2442SS	41-3/4" (1061mm)
549H2448SS	47-3/4" (1213mm)
549H2460SS	59-3/4" (1518mm)
549H2472SS	71-3/4" (1822mm)
549H2496SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
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#### Single-Circuit

##### Painted Steel Frame

549H0860A	59-3/4" (1524mm)
549H0872A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H0860SSA	59-3/4" (1524mm)
549H0872SSA	71-3/4" (1829mm)

#### Double-Circuit

##### Painted Steel Frame

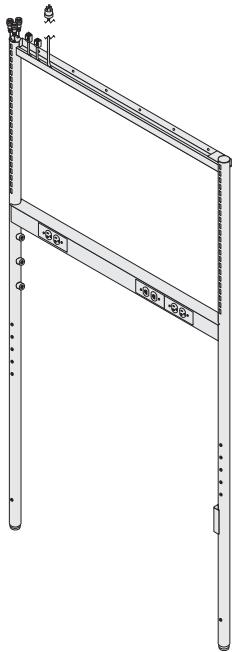
549H2460A	59-3/4" (1524mm)
549H2472A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H2460SSA	59-3/4" (1524mm)
549H2472SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly — With One Receptacle and Three Fixtures



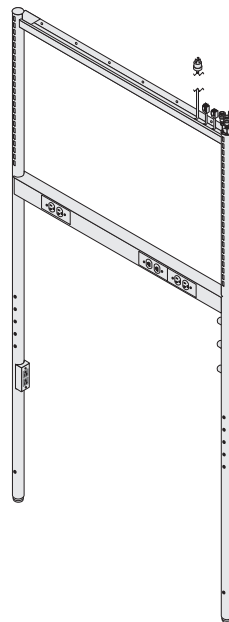
- Three fixture outlets in left upright and one receptacle in right upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0942	41-3/4" (1061mm)
549H0948	47-3/4" (1213mm)
549H0960	59-3/4" (1518mm)
549H0972	71-3/4" (1822mm)
549H0996	95-3/4" (2432mm)
Stainless Steel Frame	
549H0942SS	41-3/4" (1061mm)
549H0948SS	47-3/4" (1213mm)
549H0960SS	59-3/4" (1518mm)
549H0972SS	71-3/4" (1822mm)
549H0996SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2542	41-3/4" (1061mm)
549H2548	47-3/4" (1213mm)
549H2560	59-3/4" (1518mm)
549H2572	71-3/4" (1822mm)
549H2596	95-3/4" (2432mm)
Stainless Steel Frame	
549H2542SS	41-3/4" (1061mm)
549H2548SS	47-3/4" (1213mm)
549H2560SS	59-3/4" (1518mm)
549H2572SS	71-3/4" (1822mm)
549H2596SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0960A	59-3/4" (1524mm)
549H0972A	71-3/4" (1829mm)
Stainless Steel Frame	
549H0960SSA	59-3/4" (1524mm)
549H0972SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2560A	59-3/4" (1524mm)
549H2572A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2560SSA	59-3/4" (1524mm)
549H2572SSA	71-3/4" (1829mm)

### Right Single Frame Assembly — With One Receptacle and Three Fixtures

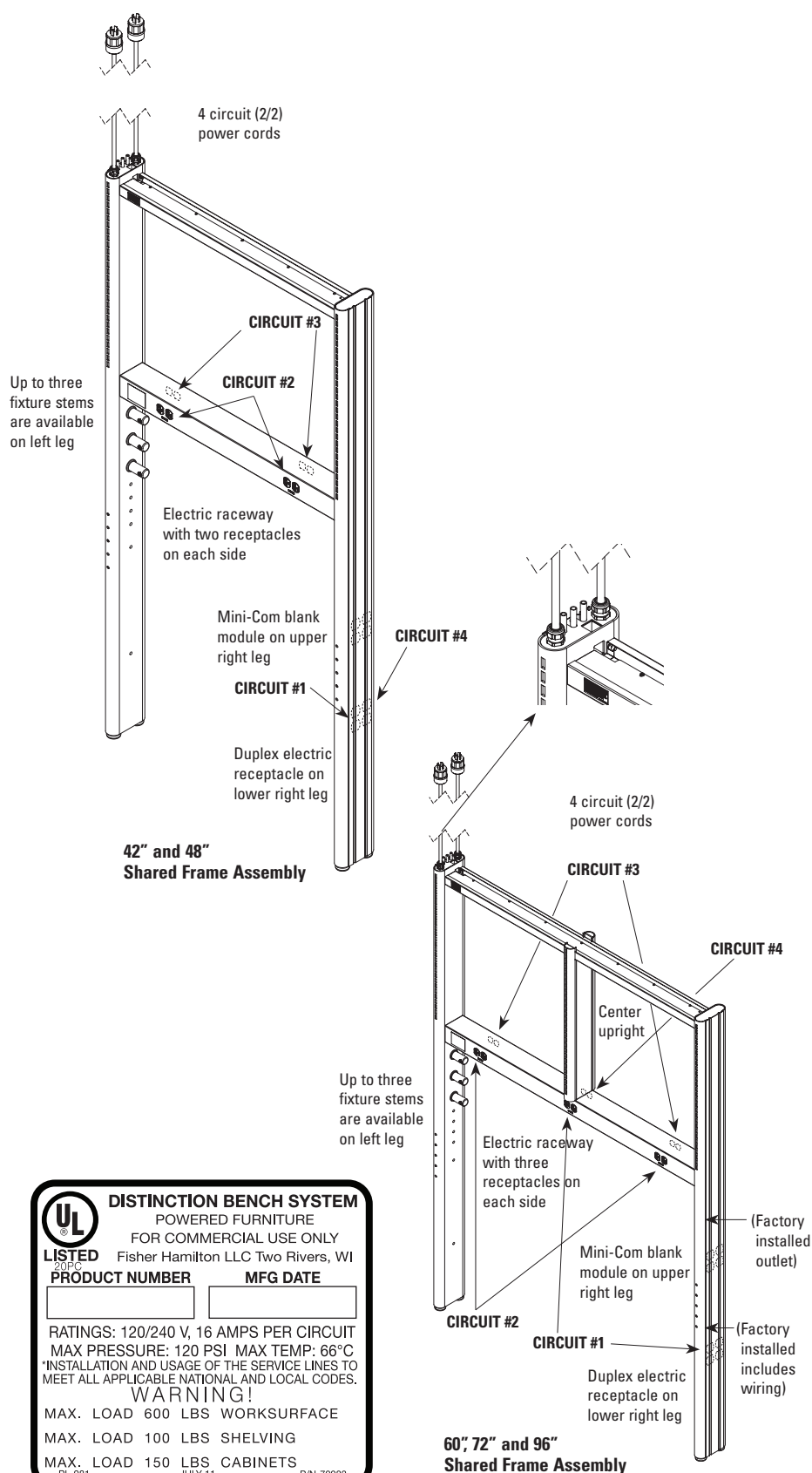


- Three fixture outlets in right upright and one receptacle in left upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1042	41-3/4" (1061mm)
549H1048	47-3/4" (1213mm)
549H1060	59-3/4" (1518mm)
549H1072	71-3/4" (1822mm)
549H1096	95-3/4" (2432mm)
Stainless Steel Frame	
549H1042SS	41-3/4" (1061mm)
549H1048SS	47-3/4" (1213mm)
549H1060SS	59-3/4" (1518mm)
549H1072SS	71-3/4" (1822mm)
549H1096SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2642	41-3/4" (1061mm)
549H2648	47-3/4" (1213mm)
549H2660	59-3/4" (1518mm)
549H2672	71-3/4" (1822mm)
549H2696	95-3/4" (2432mm)
Stainless Steel Frame	
549H2642SS	41-3/4" (1061mm)
549H2648SS	47-3/4" (1213mm)
549H2660SS	59-3/4" (1518mm)
549H2672SS	71-3/4" (1822mm)
549H2696SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1060A	59-3/4" (1524mm)
549H1072A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1060SSA	59-3/4" (1524mm)
549H1072SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2660A	59-3/4" (1524mm)
549H2672A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2660SSA	59-3/4" (1524mm)
549H2672SSA	71-3/4" (1829mm)



Shared structural frame assemblies become freestanding structures when combined with two-post bench frames. Shared frames are available in painted steel or stainless steel.

Shared frames are factory installed with electrical wiring and outlets. CAT6 teledata cables must be ordered separately and field installed.

Shared frames are equipped with two twist lock power cords with a total of four 16 amp circuits. Each twist lock power cord has four wires and handles two circuits. The neutral and ground wires are common between the two circuits.

Painted steel frames can have none, one, two or three service lines with chrome plated brass stems. The top fixture stem has a copper tubing line. The middle and bottom fixture stem have polyethylene tubing.

Stainless steel frames can have none, one, two or three service lines and stainless steel stems. The top fixture stem has a stainless steel tubing line. The middle and bottom fixture stem have polyethylene tubing.

Unions, reducers, disconnects and service fixtures are installed by others.

#### Shared Frame Assemblies

Raceways for shared frames are to have two per side 20 amp hospital grade duplexes on the horizontal raceway for the 42", 48" wide frames and 3 per side on the 60", 72" and 96". Two separate (shared circuits) shall be located in the side vertical upright under the work surface.

Shared frames are equipped with two four-prong twist lock 4' power cords with a total of four 16 amp circuits. Each twist lock power cord has four wires and handles two circuits. The neutral and ground wires are common between the two circuits.

#### Color

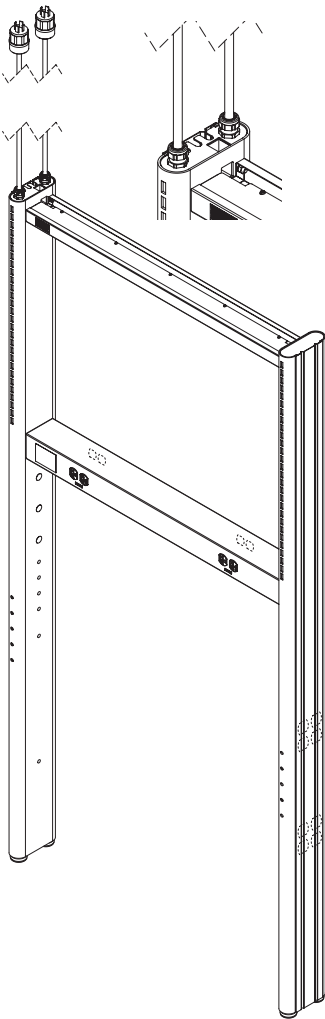
All duplexes are grey in color with the exception of 20A on the lower and uprights of shared frames, which are black.

**Shared Frame Assemblies**.....p. 29-33

Common Features:

- Stainless steel or powdercoated steel finish
- 6" deep upright assembly with levelers
- Order work surfaces, backs plashes and sides plashes separately, see Work Surfaces section
- Includes two duplex electric receptacle in lower right-hand frame upright
- Includes **four Mini-Com blank modules** in upper right-hand frame upright
- CAT 6 teledata cables ordered sepearte and field installed
- Includes **four 16AMP circuits**
- Two twist lock power cords with each cord having two circuits at top extending 4' of frame
- Modesty panel and tackboards are optional, see Accessories section
- Includes removable side cover for access to service valve and electrical and teledata outlet connections
- For upper shelving, see Upper Storage Section
- Height is 83-1/4" (2114mm)
- Order **service fixtures and quick-connects** separately, for field installation
- **UL 962 Listed**

Shared Frame Assembly — Without Fixture Stems

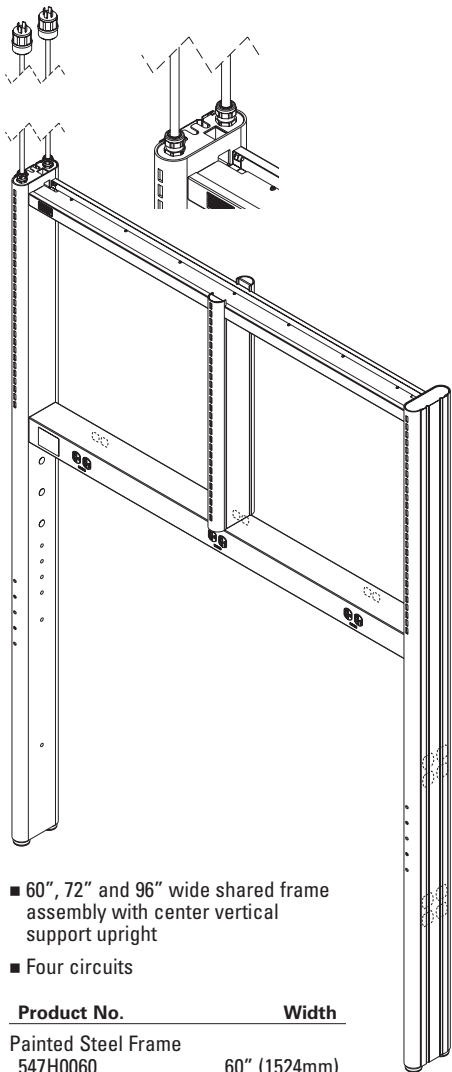


- 42" and 48" wide shared frame assembly
- Four circuits

Product No.	Width
Painted Steel Frame	
547H0042	42" (1066mm)
547H0048	48" (1219mm)
Stainless Steel Frame	
547H0042SS	42" (1066mm)
547H0048SS	48" (1219mm)

- Without center upright

Product No.	Width
Painted Steel Frame	
547H0060A	60" (1524mm)
547H0072A	72" (1829mm)
Stainless Steel Frame	
547H0060SSA	60" (1524mm)
547H0072SSA	72" (1829mm)



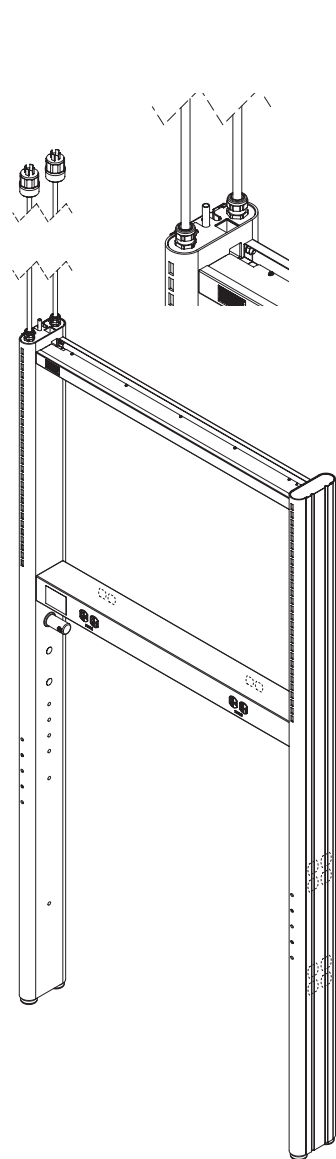
- 60", 72" and 96" wide shared frame assembly with center vertical support upright
- Four circuits

Product No.	Width
Painted Steel Frame	
547H0060	60" (1524mm)
547H0072	72" (1829mm)
547H0096	96" (2438mm)
Stainless Steel Frame	
547H0060SS	60" (1524mm)
547H0072SS	72" (1829mm)
547H0096SS	96" (2438mm)

Common Features:

- Stainless steel or powdercoated steel finish
- 6" deep upright assembly with levelers
- Order work surfaces, backs plashes and sides plashes separately, see Work Surfaces section
- Includes two duplex electric receptacle in lower right-hand frame upright
- Includes four Mini-Com blank modules in upper right-hand frame upright
- CAT 6 teledata cables ordered separate and field installed
- Includes four 16AMP circuits
- Two twist lock power cords with each cord having two circuits at top extending 4' of frame
- Modesty panel and tackboards are optional, see Accessories section
- Includes removable side cover for access to service valve and electrical and teledata outlet connections
- For upper shelving, see Upper Storage Section
- Height is 83-1/4" (2114mm)
- Order service fixtures and quick-connects separately, for field installation
- UL 962 Listed

Shared Frame Assembly — With One Fixture Stem



- 42" and 48" wide shared frame assembly
- Includes one fixture stem in left leg
- Four circuits

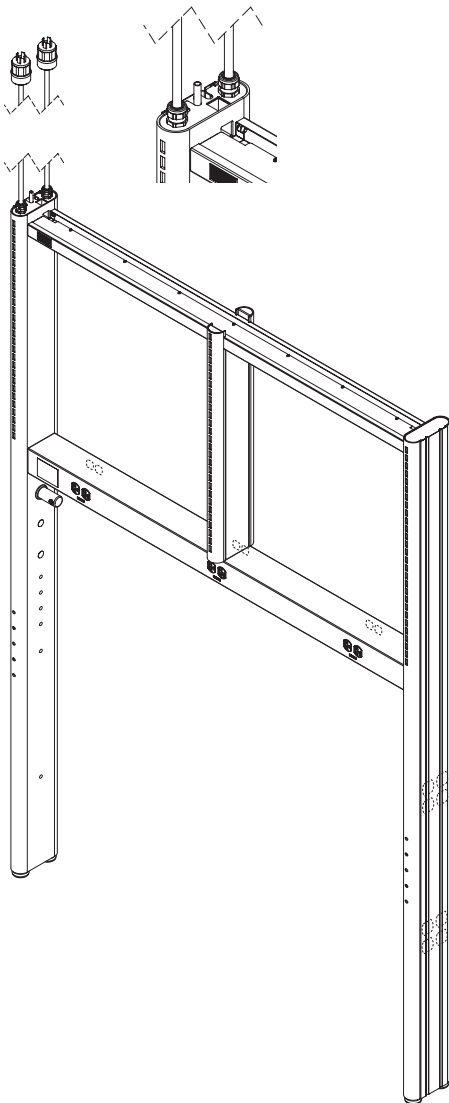
Product No.	Width
Painted Steel Frame	
547H0142	42" (1066mm)
547H0148	48" (1219mm)
Stainless Steel Frame	
547H0142SS	42" (1066mm)
547H0148SS	48" (1219mm)

- Without center upright

Product No.	Width
Painted Steel Frame	
547H0160A	60" (1524mm)
547H0172A	72" (1829mm)
Stainless Steel Frame	
547H0160SSA	60" (1524mm)
547H0172SSA	72" (1829mm)

- 60", 72" and 96 wide shared frame assembly with center vertical support upright
- Includes one fixture stem in left leg
- Four circuits

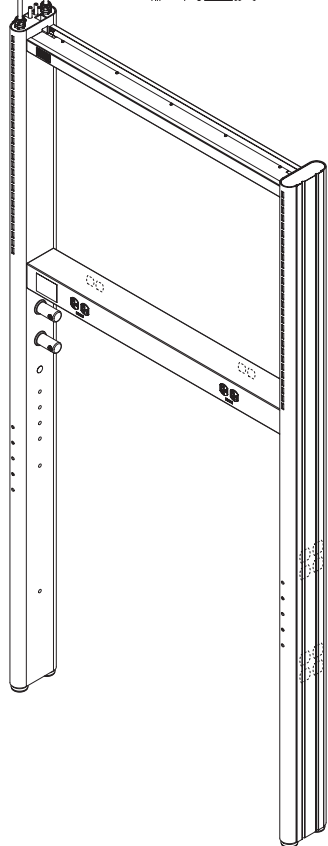
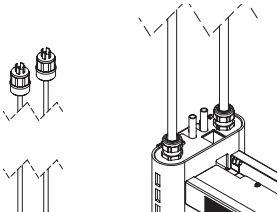
Product No.	Width
Painted Steel Frame	
547H0160	60" (1524mm)
547H0172	72" (1829mm)
547H0196	96" (2438mm)
Stainless Steel Frame	
547H0160SS	60" (1524mm)
547H0172SS	72" (1829mm)
547H0196SS	96" (2438mm)



Common Features:

- Stainless steel or powdercoated steel finish
- 6" deep upright assembly with levelers
- Order work surfaces, backs plashes and sides plashes separately, see Work Surfaces section
- Includes two duplex electric receptacle in lower right-hand frame upright
- Includes **four Mini-Com blank modules** in upper right-hand frame upright
- CAT 6 teledata cables ordered separate and field installed
- Includes **four 16AMP circuits**
- Two twist lock power cords with each cord having two circuits at top extending 4' of frame
- Modesty panel and tackboards are optional, see Accessories section
- Includes removable side cover for access to service valve and electrical and teledata outlet connections
- For upper shelving, see Upper Storage section
- Height is 83-1/4" (2114mm)
- Order **service fixtures** and **quick-connects** separately, for field installation
- **UL 962 Listed**

Shared Frame Assembly – With Two Fixture Stems



- 42" and 48" wide shared frame assembly
- Includes two fixture stems in left leg
- Four circuits

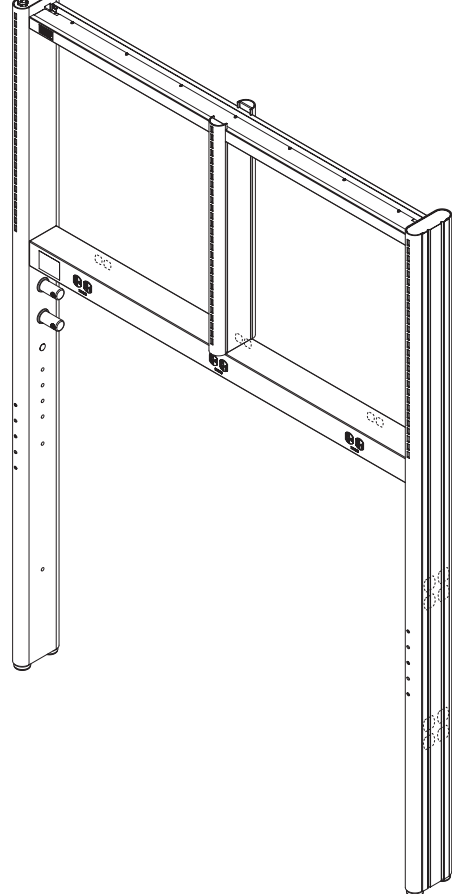
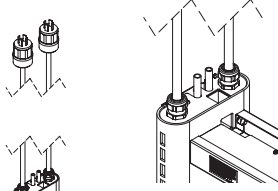
Product No.	Width
Painted Steel Frame	
547H0242	42" (1066mm)
547H0248	48" (1219mm)
Stainless Steel Frame	
547H0242SS	42" (1066mm)
547H0248SS	48" (1219mm)

- Without center upright

Product No.	Width
Painted Steel Frame	
547H0260A	60" (1524mm)
547H0272A	72" (1829mm)
Stainless Steel Frame	
547H0260SSA	60" (1524mm)
547H0272SSA	72" (1829mm)

- 60", 72" and 96" wide shared frame assembly with center vertical support upright
- Includes two fixture stems in left leg
- Four circuits

Product No.	Width
Painted Steel Frame	
547H0260	60" (1524mm)
547H0272	72" (1829mm)
547H0296	96" (2438mm)
Stainless Steel Frame	
547H0260SS	60" (1524mm)
547H0272SS	72" (1829mm)
547H0296SS	96" (2438mm)

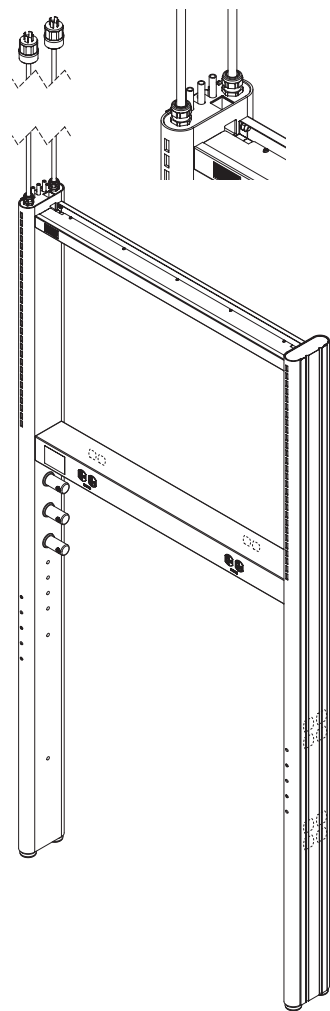




Common Features:

- Stainless steel or powdercoated steel finish
- 6" deep upright assembly with levelers
- Order work surfaces, backs plashes and sides plashes separately, see Work Surfaces section
- Includes two duplex electric receptacle in lower right-hand frame upright
- Includes **four Mini-Com blank modules** in upper right-hand frame upright
- CAT 6 teledata cables ordered separate and field installed
- Includes **four 16AMP circuits**
- Two twist lock power cords with each cord having two circuits at top extending 4' of frame
- Modesty panel and tackboards are optional, see Accessories section
- Includes removable side cover for access to service valve and electrical and teledata outlet connections
- For upper shelving, see Upper Storage section
- Height is 83-1/4" (2114mm)
- Order **service fixtures** and **quick-connects** separately, for field installation
- **UL 962 Listed**

Shared Frame Assembly — With Three Fixture Stems



- 42" and 48" wide shared frame assembly
- Includes three fixture stems in left leg
- Four circuits

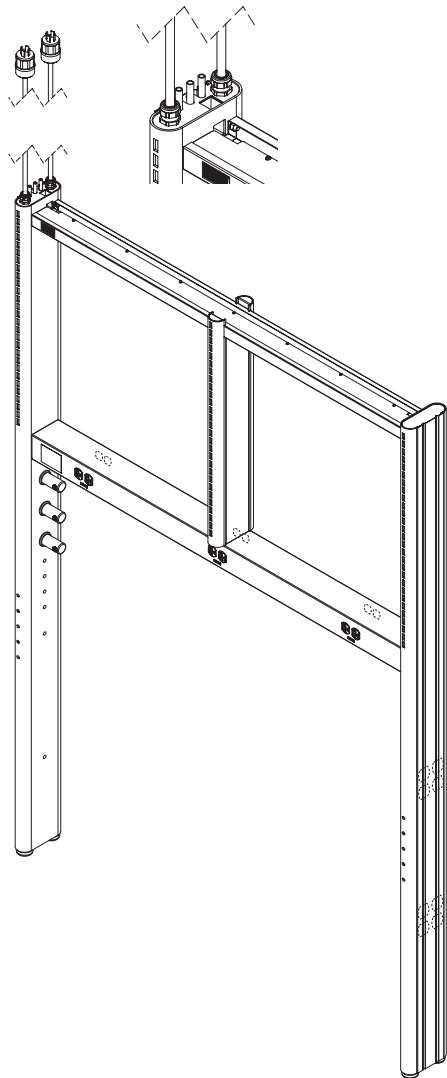
Product No.	Width
Painted Steel Frame	
547H0342	42" (1066mm)
547H0348	48" (1219mm)
Stainless Steel Frame	
547H0342SS	42" (1066mm)
547H0348SS	48" (1219mm)

- Without center upright

Product No.	Width
Painted Steel Frame	
547H0360A	60" (1524mm)
547H0372A	72" (1829mm)
Stainless Steel Frame	
547H0360SSA	60" (1524mm)
547H0372SSA	72" (1829mm)

- 60", 72" and 96" wide shared frame assembly with center vertical support upright
- Includes three fixture stems in left leg
- Four circuits

Product No.	Width
Painted Steel Frame	
547H0360	60" (1524mm)
547H0372	72" (1829mm)
547H0396	96" (2438mm)
Stainless Steel Frame	
547H0360SS	60" (1524mm)
547H0372SS	72" (1829mm)
547H0396SS	96" (2438mm)



Common Features:

■ Distinction Frame - Wall mount units and suspended units

■ Field installable with Single or Shared Frame Distinction

■ UL 962 Listed

Wall Mount Units

- Wall rails mount into shelf slots in Distinction vertical uprights
- **Important:** Adjacent rails cannot be positioned at the same height
- Wall mount units require (1) product 549HWH\_\_ per wall cabinet
- Maximum (2) wall cabinets per Distinction frame - load not to exceed 150 lbs. per cabinet

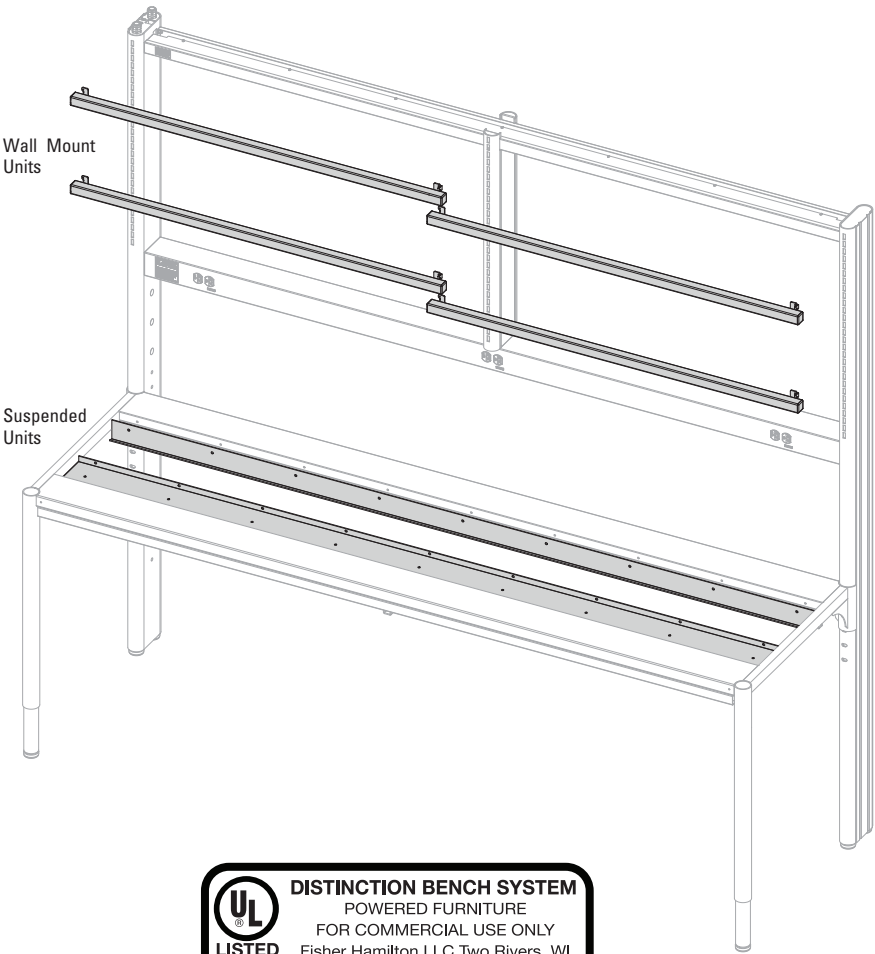
Product No.	Width
For use with center vertical upright	
549HWH42	42" (1066mm)
549HWH48	48" (1219mm)
549HWH60	31" (787mm)
549HWH72	37" (940mm)
549HWH96	49" (1245mm)

For use without center vertical upright	
549HWH60F	60" (1524mm)
549HWH72F	72" (1829mm)

Suspended Units

- Suspended rails are bolted to Distinction table frame (fasteners included)
- Suspended units require (1) product 549HTH... per (2) suspended units
- Maximum (2) suspended cabinets per Distinction frame - load not to exceed 150 lbs. per cabinet

Product No.	Width
549HTH42	38-7/16" (965mm)
549HTH48	44-7/16" (1219mm)
549HTH60	56-7/16" (1422mm)
549HTH72	68-7/16" (1727mm)
549HTH84	80-7/16" (2032mm)
549HTH96	92-7/16" (2337mm)



UL

201PC

LISTED

**DISTINCTION BENCH SYSTEM**

POWERED FURNITURE

FOR COMMERCIAL USE ONLY

Fisher Hamilton LLC Two Rivers, WI

PRODUCT NUMBER

MFG DATE

RATINGS: 120/240 V, 16 AMPS PER CIRCUIT

MAX PRESSURE: 120 PSI MAX TEMP: 66°C

\*INSTALLATION AND USAGE OF THE SERVICE LINES TO MEET ALL APPLICABLE NATIONAL AND LOCAL CODES.

**WARNING!**

MAX. LOAD 600 LBS WORKSURFACE

MAX. LOAD 100 LBS SHELVING

MAX. LOAD 150 LBS CABINETS

PL-981

JULY 11

P/N-70983

All Hamilton Scientific cabinets are built to the highest standards of quality. Durable construction plus a choice of tough, chemical-resistant finishes ensure high performance and a timeless appearance.

**Wood Mobile  
Base Cabinets** ..... p. 36-42  
**Inset Steel Mobile  
Base Cabinets** ..... p. 43-45  
**Prestige Steel Mobile  
Base Cabinets** ..... p. 46-50

All mobile cabinets can be used as stand-alone storage or rolled under benches.  
Choose from a variety of widths.

All Hamilton Scientific mobile cabinets meet 8 standards for laboratory furniture.

Sitting Height Cabinets  
Standing Height Cabinets  
Drawer Dimensions . . .  
Mobile Sink Cabinet . . .

Cabinets in this section are UL 962 Listed.

For wood laboratory casework information,  
please access the

**Hamilton Scientific  
Wood Product Specification Catalog**

or consult your local sales representative for assistance.

[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

28-5/16"  
(719mm)

23-1/8"  
(587mm)

Typical En

**Common Features:**

- Finished veneer top, sides and back
- Available with finished outside ends and back only
- Equipped with four casters, two with locks
- Equipped with interlocking drawer system and counterbalanced weights

**Mobile Combination Cabinets**

- Mobile cabinet with one 6-mod high drawer above right- or left-hinged swinging door
- Four casters, two with locks

Product No.	Width
Right-Hinged (shown)	18" (457mm)
	24" (610mm)
	18" (457mm)
	24" (610mm)

et with one 6-mod high  
wer above double  
ed doors  
two with locks

Width
30" (762mm)

et with two 6-mod high  
re double swinging  
two with locks

Width
30" (762mm)

et with two 4-mod high  
re two 5-mod high  
t-hinged swinging door  
n adjustable wood shelf  
rea  
two with locks

Width
24" (610mm)
30" (762mm)

et with two 4-mod high  
drawers above two 5-mod high  
drawers, left-hinged swinging door  
at left side

- One 1/2-depth adjustable wood shelf in cupboard area
- Four casters, two with locks

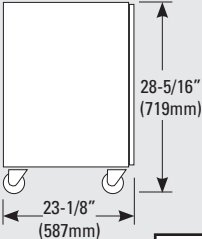
Product No.	Width
955C266B	24" (610mm)
955C267B	30" (762mm)

For wood laboratory casework information,  
please access the

**Hamilton Scientific**  
**Wood Product Specification Catalog**

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[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

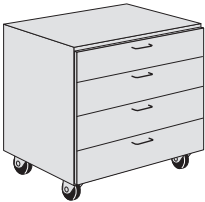


Typical End View

**Common Features:**

- Finished veneer top, sides and back
- Available with finished outside ends and back only
- Equipped with four casters, two with locks
- Equipped with interlocking drawer system and counterbalanced weights in drawer cabinets – Note: 25 lbs

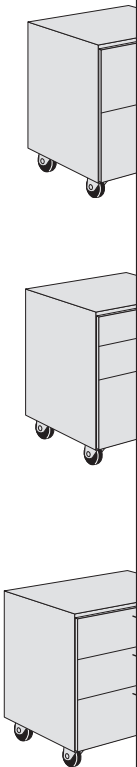
Mobile Drawer Cabinets (Continued)



- Mobile cabinet with one 4-mod above three 5-mod high drawers
- Four casters, two with locks

Product No.	Width
955C241B	18" (457mm)
955C242B	24" (610mm)
955C243B	30" (762mm)

Mobile Drawer C

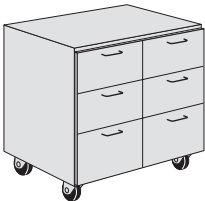


For wood laboratory casework information,  
please access the

**Hamilton Scientific  
Wood Product Specification Catalog**

or consult your local sales representative for assistance.

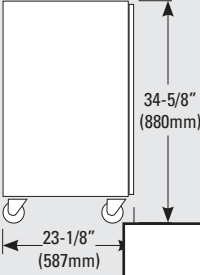
[www.hamiltonscientific.com](http://www.hamiltonscientific.com)



- Mobile cabinet with four 6-mod high drawers above two 7-mod high drawers
- Four casters, two with locks

Product No.	Width
955C262B	24" (610mm)
955C263B	30" (762mm)

two 4-mod drawers h locks
Width
24" (610mm) 30" (762mm)
fits into
des cluded
abinet Width
d Door Hinges
15" (381mm)
18" (457mm)
21" (533mm)
24" (610mm)
30" (762mm)
36" (914mm)
42" (1066mm)
48" (1219mm)
ed Door Hinges
15" (381mm)
18" (457mm)
21" (533mm)
24" (610mm)
30" (762mm)
36" (914mm)
42" (1066mm)
48" (1219mm)

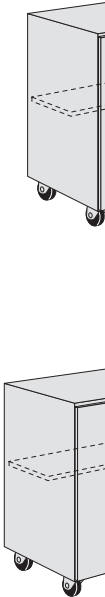


Typical End View

**Common Features:**

- Finished veneer top, sides and back
- Available with finished outside ends and back only
- Equipped with four casters, two with locks
- Equipped with interlocking drawer system and counterbalanced weights in drawer cabinets – Note: 25 lbs

Mobile Door Cabinet



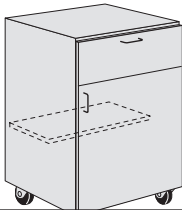
For wood laboratory casework information,  
please access the

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**Wood Product Specification Catalog**

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[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

Mobile Combination Cabinets



- Mobile cabinet with one 6-mod high drawer above right- or left-hinged swinging door
- One 1/2-depth adjustable wood shelf
- Four casters, two with locks

Product No.	Width
Right-Hinged (shown)	18" (457mm)
	24" (610mm)
	18" (457mm)
	24" (610mm)

with one 6-mod high  
drawer above double  
doors  
adjustable wood shelf  
with locks

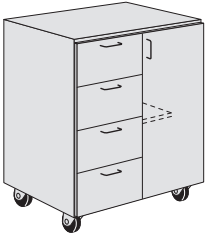
Width
30" (762mm)

with two 6-mod high  
drawers above double  
swinging  
adjustable wood shelf  
with locks

Width
30" (762mm)

with four 6-mod high  
drawers above double  
left side  
adjustable wood shelf  
with locks

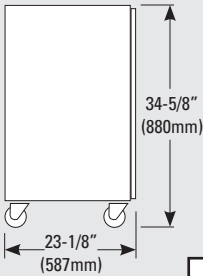
Width
24" (610mm)
30" (762mm)



- Mobile cabinet with four 6-mod high drawers at left side and right-hinged swinging door at right side
- One 1/2-depth adjustable wood shelf in cupboard area
- Four casters, two with locks

Product No.	Width
955C251B	24" (610mm)
955C252B	30" (762mm)



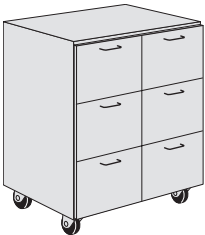


Typical End View

Common Features:

- Finished veneer top, sides and back
- Available with finished outside ends and back only
- Equipped with four casters, two with locks
- Equipped with interlocking drawer system and counterbalanced weights in drawer cabinets – Note: 25 lbs maximum weight per drawer is recommended for safety reasons

Mobile Drawer Cabinets (Continued)



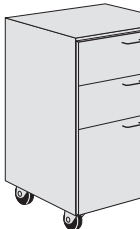
- Mobile cabinet with six 8-mod high drawers
- Four casters, two with locks

Product No.	Width
955C249B	24" (610mm)
955C250B	30" (762mm)

Mobile Cabinet with



Mobile Drawer Cabinet



- Mobile cabinet with three 8-mod high drawers
- Four casters, two with locks

Product No.	Width
955C232B	18" (457mm)
955C233B	24" (610mm)
955C234B	30" (762mm)

Product No.	Width
532C117	15" (381mm)
532C118	18" (457mm)
532C119	21" (533mm)
532C121	24" (610mm)
532C120	30" (762mm)
532C122	36" (914mm)
532C130	42" (1066mm)
532C123	48" (1219mm)

6-mod high
cks
Width
18" (457mm)
24" (610mm)
30" (762mm)

t 6-mod high
cks
Width
24" (610mm)
30" (762mm)

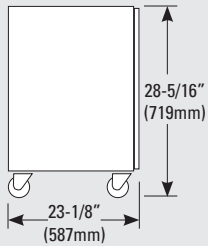
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" (381mm)
" (457mm)
" (533mm)
" (610mm)
" (762mm)
" (914mm)
" (1066mm)
" (1219mm)

For wood laboratory casework information,  
please access the

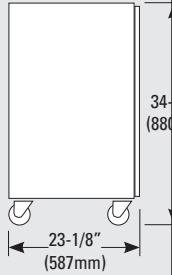
**Hamilton Scientific**  
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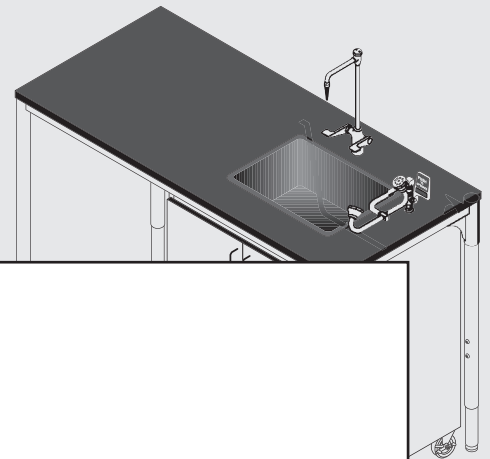
Typical End View  
Sitting Height



Typical End View  
Standing Height

**Common Features:**

- Finished veneer sides and back
- Available with finished outside ends and back only
- Equipped with four casters, two with locks
- Available with locks
- Steel reinforcement plate on bottom

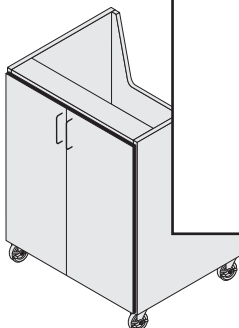
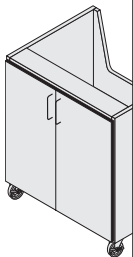


For wood laboratory casework information,  
please access the

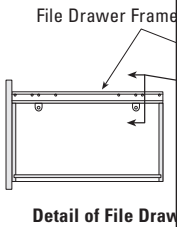
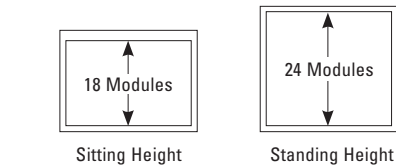
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Wood Product Specification Catalog**

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[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

**Mobile Sink Cab**

Drawers for Base Cabinets



For wood laboratory casework information,  
please access the

**Hamilton Scientific  
Wood Product Specification Catalog**

or consult your local sales representative for assistance.

[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

**Inside Drawer  
Box Height**

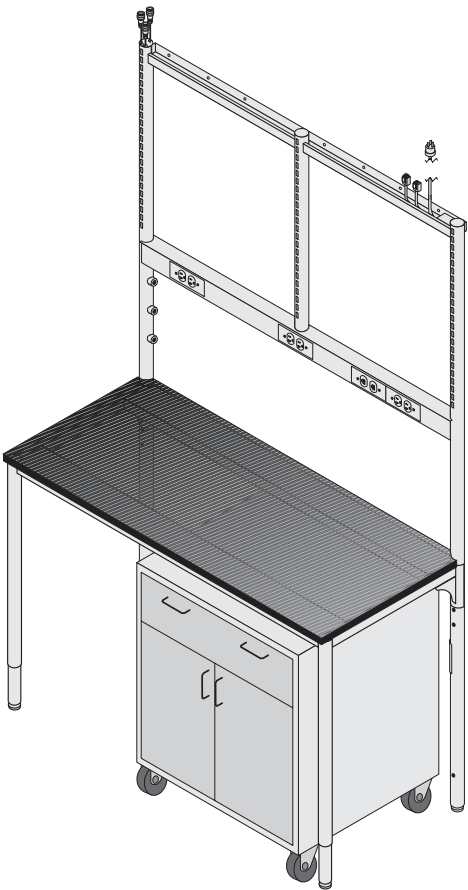
1-7/16" (36mm)
2-3/4" (69mm)
3-5/16" (84mm)
3-7/8" (99mm)
5-1/4" (134mm)
6-1/16" (154mm)
6-1/16" (154mm)
9" (229mm)
9" (229mm)

**Depth**

16-3/4" (425mm)
16-3/4" (425mm)
16-3/4" (425mm)
16-3/4" (425mm)
16-3/4" (425mm)
16-3/4" (425mm)
16-3/4" (425mm)
16-3/4" (425mm)
16-3/4" (425mm)

24" (610mm)	21-1/2" (546mm)	20-1/2" (521mm)	—	—
30" (762mm)	21-1/2" (546mm)	26-1/2" (673mm)	11-1/2" (292mm)	5-1/2" (140mm)
31-1/2" (800mm)	21-1/2" (546mm)	28" (711mm)	12-1/4" (311mm)	—
36" (914mm)	21-1/2" (546mm)	32-1/2" (826mm)	14-1/2" (368mm)	8-1/2" (216mm)
37-1/2" (953mm)	21-1/2" (546mm)	34" (864mm)	15-1/4" (387mm)	—
42" (1067mm)	21-1/2" (546mm)	38-1/2" (978mm)	17-1/2" (445mm)	11-1/2" (292mm)
48" (1219mm)	21-1/2" (546mm)	44-1/2" (1130mm)	20-1/2" (521mm)	14-1/2" (368mm)

\*Cabinet depth only, less drawer heads.

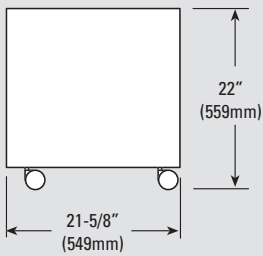


Inset steel casework is constructed of powdercoated steel for superior chemical resistance and durability. Drawer and door fronts are inset between the cabinet front perimeter frame rails. The exposed perimeter frame is ideal for showing two-tone color combinations.

All Hamilton Scientific Inset steel mobile cabinets meets SEFA 8 standards for laboratory furniture.

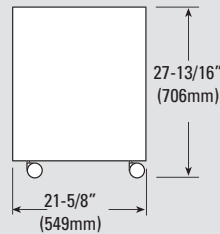
**Sitting Height Cabinets** . . . . .p. 44  
**Standing Height Cabinets** . . . . p. 44-45  
**Work Surfaces** . . . . .p. 45  
**Drawer Dimensions** . . . . .p. 45

Cabinets in this section are not UL 962 listed



Typical End View

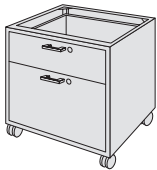
- Shelves are adjustable in 1/2" (13mm) increments
- Drawers standard with locks – equipped with an integral locking device that allows operator to open only one drawer at a time
- Drawers have a zinc plated three-piece full extension slide rated at 100 lbs. This slide has restricted travel length and opens to approximately 3/4 of the drawer depth. Options are not available
- Heavy-duty locking 2-1/2" double wheel casters
- Total load rating including mobile cabinet and worktop is 400 lbs.; live load rating on entire unit is 200 lbs.; live load rating on worktop is 100 lbs.
- Order work surface separately, see page 59
- Order additional shelves separately
- See Options Menu for more selections
- All mobile steel cabinets will ship with casters factory installed
- Lock options must be specified on the options menu – pages 5-14
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** units DO NOT have anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight



Typical End View

- Shelves are adjustable in 1/2" (13mm) increments
- Drawers standard with locks – equipped with an integral locking device that allows operator to open only one drawer at a time
- Drawers have a zinc plated three-piece full extension slide rated at 100 lbs. This slide has restricted travel length and opens to approximately 3/4 of the drawer depth. Options are not available
- Heavy-duty locking 2-1/2" double wheel casters
- Total load rating including mobile cabinet and worktop is 400 lbs.; live load rating on entire unit is 200 lbs.; live load rating on worktop is 100 lbs.
- Order work surface separately, see page 59
- Order additional shelves separately
- See Options Menu for more selections
- All mobile steel cabinets will ship with casters factory installed
- Lock options must be specified on the options menu – pages 5-14
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** units DO NOT have anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight

## Mobile Base Cabinets



- Drawer cabinet
- One 4-1/2" (114mm) high drawer above one 10-1/4" (260mm) high file drawer with full extension slides

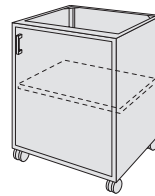
Product No.	Width
950S076_	18" (457mm)
950S077_	24" (610mm)



- Drawer cabinet
- Three 4-1/2" (114mm) high drawers

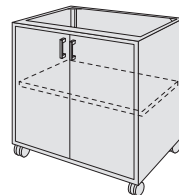
Product No.	Width
950S070_	18" (457mm)
950S071_	24" (610mm)

## Mobile Base Cabinets



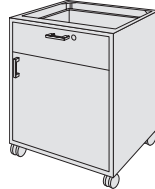
- Door cabinet
- Full-height left- or right-hinged door
- One adjustable shelf

Product No.	Width
Right-Hinged Door (shown)	
950S080_	18" (457mm)
950S082_	24" (610mm)
Left-Hinged Door	
950S081_	18" (457mm)
950S083_	24" (610mm)



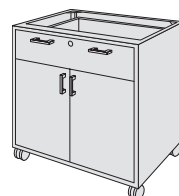
- Door cabinet
- Full-height double hinged doors
- One adjustable shelf

Product No.	Width
950S084_	30" (762mm)



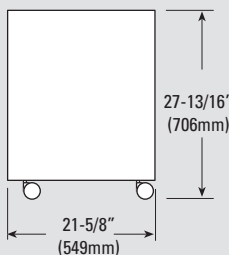
- Combination cabinet
- One 4-1/2" (114mm) high drawer above cupboard with left- or right-hinged door

Product No.	Width
Right-Hinged Door (shown)	
950S085_	18" (457mm)
950S087_	24" (610mm)
Left-Hinged Door	
950S086_	18" (457mm)
950S088_	24" (610mm)



- Combination cabinet
- One 4-1/2" (114mm) high drawer above cupboard with double hinged doors

Product No.	Width
950S089_	30" (762mm)



- Heavy-duty locking 2-1/2" double wheel casters
- All mobile steel cabinets will ship with casters factory installed
- Total load rating including mobile cabinet and worktop is 400 lbs.; live load rating on entire unit is 200 lbs.; live load rating on worktop is 100 lbs.
- Lock options must be specified on the options menu – pages 5-14
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** units DO NOT have anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight

Typical End View

- Shelves are adjustable in 1/2" (13mm) increments
- Drawers standard with locks – equipped with an integral locking device that allows operator to open only one drawer at a time
- Drawers have a zinc plated three-piece full extension slide rated at 100 lbs. This slide has restricted travel length and opens to approximately 3/4 of the drawer depth. Options are not available

## Mobile Base Cabinets (continued)



- Drawer cabinet
- Two 10-1/4" (260mm) high file drawers

Product No.	Width
950S098_	18" (457mm)
950S099_	24" (610mm)



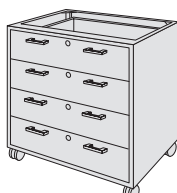
- Drawer cabinet
- Two 4-1/2" (114mm) high drawers above one 10-1/4" (260mm) high file drawer

Product No.	Width
950S096_	18" (457mm)
950S097_	24" (610mm)



- Drawer cabinet
- Four 4-1/2" (114mm) high drawers

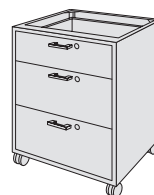
Product No.	Width
950S090_	18" (457mm)
950S091_	24" (610mm)



- Drawer cabinet
- Four 4-1/2" (114mm) high drawers

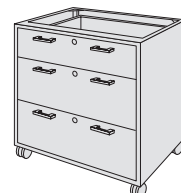
Product No.	Width
950S092_	30" (762mm)

## Mobile Base Cabinets (continued)



- Drawer cabinet
- One 4-1/2" (114mm) high drawer above two 7-3/8" (187mm) high drawers

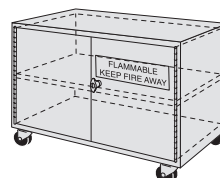
Product No.	Width
950S093_	18" (457mm)
950S094_	24" (610mm)



- Drawer cabinet
- One 4-1/2" (114mm) high drawer above two 7-3/8" (187mm) high drawers

Product No.	Width
950S095_	30" (762mm)

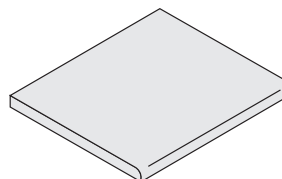
## Mobile Flammable Liquid Storage Cabinets



- Mobile cabinet, no vents
- For storage of flammable liquids
- UL listed and FM approved
- 22" (556mm) deep, 29-1/4" (743mm) high
- Lock included
- Includes one shelf
- Capacity 18 gal. (68.1 L)

Product No.	Width	Door Operation
Double Doors		
950S7911	34" (864mm)	Self-Closing
950S7901	34" (864mm)	Manual

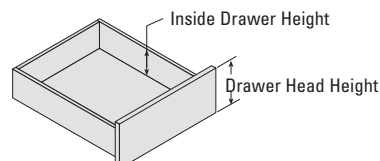
## Work Surfaces for Inset Steel Mobile Base Cabinets – High-Pressure Laminate



- Self-banded waterfall edge
- 22-1/4" (564mm) Deep

Product No.	Width
20L22180	18-1/4" (464mm)
20L22240	24-1/4" (616mm)
20L22300	30-1/4" (768mm)

## Drawer Dimensions



Nominal Drawer Front Height	Actual Drawer Head Height	Actual Inside Drawer Height
3" (76mm)	2-13/16" (71mm)	1-5/8" (41mm)
6" (154mm)	5-23/32" (145mm)	4-1/2" (152mm)
7-1/2" (191mm)	7-11/64" (182mm)	6" (114mm)
9" (229mm)	8-5/8" (219mm)	7-3/8" (187mm)
File Drawer	11-17/32" (293mm)	10-1/4" (260mm)
10" (254mm)	9-19/32" (244mm)	8-1/4" (210mm)

Steel mobile base cabinets feature flush overlay styling and unique hardware features, including rubber bumpers, optional grab handles and gang locks.

Available in 18 colors, these components are finished in powder coating for high chemical resistance and overall durability.

Hamilton Scientific Prestige steel mobile cabinets do not meet SEFA 8 standards for laboratory furniture.

**Sitting Height Cabinets** . . . . .p. 47

**Standing Height Cabinets** . . . . p. 48-49

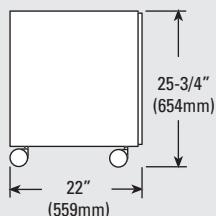
**Add Drawer** . . . . .p. 50

**Work Surfaces** . . . . .p. 50

**Drawer Dimensions** . . . . .p. 50

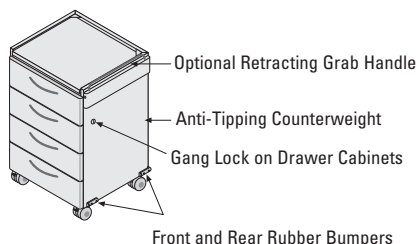
Cabinets in this section are **not** UL 962 listed.



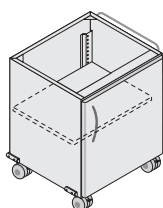


Typical End View

- Shelves are adjustable in 1/2" (13mm) increments
- Drawers standard with locks – equipped with an integral locking device that allows operator to open only one drawer at a time
- With or without grab handle
- Equipped with front and rear rubber bumpers on lower sides
- Heavy-duty locking 3" double wheel casters
- Total load rating including mobile cabinet and worktop is 600 lbs.; live load rating on entire unit is 300 lbs.; live load rating on worktop without pullboard is 200 lbs., and live load rating on worktop with pull board is 150 lbs.
- Order work surface separately, see page 59
- See Options Menu for more selections on pages 5-14
- All mobile steel cabinets will ship with casters factory installed
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** units DO NOT have anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight

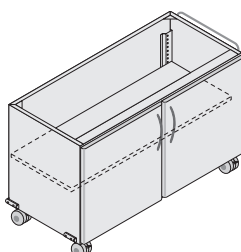


## Mobile Base Cabinets



- Door cabinet
- One adjustable shelf

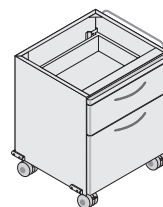
Product No.	Width
With handle, hinged left	
953J201_	18" (457mm)
953J401_	24" (610mm)
With handle, hinged right (shown)	
953J202_	18" (457mm)
953J402_	24" (610mm)
Without handle, hinged left	
955J201_	18" (457mm)
955J401_	24" (610mm)
Without handle, hinged right	
955J202_	18" (457mm)
955J402_	24" (610mm)



- Double door cabinet
- One adjustable shelf

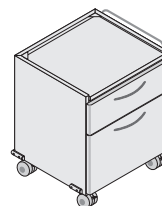
Product No.	Width
With handle (shown)	
953J503_	30" (762mm)
953J603_	36" (915mm)
Without handle	
955J503_	30" (762mm)
955J603_	36" (915mm)

## Mobile Base Cabinets



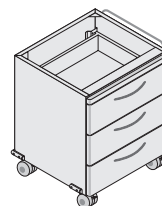
- Drawer cabinet
- One 5-module high drawer above one 10-module high drawer

Product No.	Width
With handle (shown)	
953J208_	18" (457mm)
953J408_	24" (610mm)
953J508_	30" (762mm)
953J608_	36" (915mm)
Without handle	
955J208_	18" (457mm)
955J408_	24" (610mm)
955J508_	30" (762mm)
955J608_	36" (915mm)



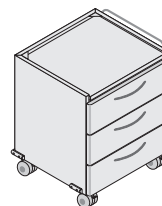
- Drawer cabinet
- One 5-module high drawer above one 10-module high drawer
- With pullboard

Product No.	Width
With handle (shown)	
954J208_	18" (457mm)
954J408_	24" (610mm)
954J508_	30" (762mm)
954J608_	36" (915mm)
Without handle	
956J208_	18" (457mm)
956J408_	24" (610mm)
956J508_	30" (762mm)
956J608_	36" (915mm)



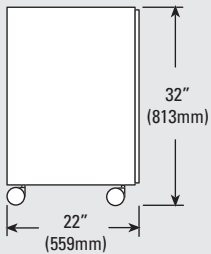
- Drawer cabinet
- Three 5-module high drawers

Product No.	Width
With handle (shown)	
953J207_	18" (457mm)
953J407_	24" (610mm)
953J507_	30" (762mm)
953J607_	36" (915mm)
Without handle	
955J207_	18" (457mm)
955J407_	24" (610mm)
955J507_	30" (762mm)
955J607_	36" (915mm)



- Drawer cabinet
- Three 5-module high drawers
- With pullboard

Product No.	Width
With handle (shown)	
954J207_	18" (457mm)
954J407_	24" (610mm)
954J507_	30" (762mm)
954J607_	36" (915mm)
Without handle	
956J207_	18" (457mm)
956J407_	24" (610mm)
956J507_	30" (762mm)
956J607_	36" (915mm)

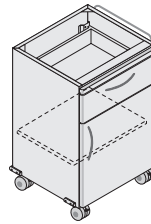


Typical End View

- Shelves are adjustable in 1/2" (13mm) increments
- Drawers standard with locks – equipped with an integral locking device that allows operator to open only one drawer at a time
- With or without grab handle
- Equipped with front and rear rubber bumpers on lower sides
- Heavy-duty locking 3" double wheel casters
- Total load rating including mobile cabinet and worktop is 600 lbs.; live load rating on entire unit is 300 lbs.; live load rating on worktop without pullboard is 200 lbs., and live load rating on worktop with pull board is 150 lbs.

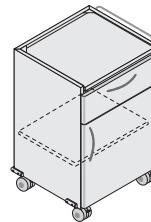
- Order work surface separately, see page 59
- See Options Menu for more selections on pages 5-14
- All mobile steel cabinets will ship with casters factory installed
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** units DO NOT have anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight

## Mobile Base Cabinets



- Combination cabinet
- One 5-module high drawer above cupboard
- One adjustable shelf

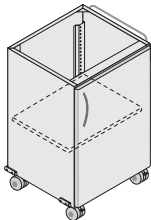
Product No.	Width
With handle, hinged left	
953J234_	18" (457mm)
953J434_	24" (610mm)
With handle, hinged right (shown)	
953J235_	18" (457mm)
953J435_	24" (610mm)
Without handle, hinged left	
955J234_	18" (457mm)
955J434_	24" (610mm)
Without handle, hinged right	
955J235_	18" (457mm)
955J435_	24" (610mm)



- Combination cabinet
- One 5-module high drawer above cupboard
- One adjustable shelf
- With pullboard

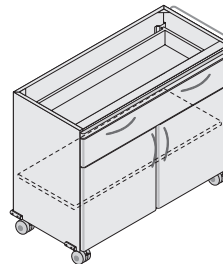
Product No.	Width
With handle, hinged left	
954J234_	18" (457mm)
954J434_	24" (610mm)
With handle, hinged right (shown)	
954J235_	18" (457mm)
954J435_	24" (610mm)
Without handle, hinged left	
956J234_	18" (457mm)
956J434_	24" (610mm)
Without handle, hinged right	
956J235_	18" (457mm)
956J435_	24" (610mm)

## Mobile Base Cabinets



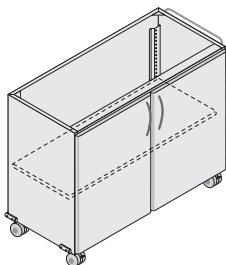
- Door cabinet
- One adjustable shelf

Product No.	Width
With handle, hinged left	
953J231_	18" (457mm)
953J431_	24" (610mm)
With handle, hinged right (shown)	
953J232_	18" (457mm)
953J432_	24" (610mm)
Without handle, hinged left	
955J231_	18" (457mm)
955J431_	24" (610mm)
Without handle, hinged right	
955J232_	18" (457mm)
955J432_	24" (610mm)



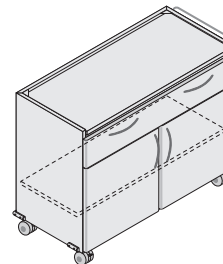
- Combination cabinet
- One 5-module high drawer above cupboard
- One adjustable shelf

Product No.	Width
With handle (shown)	
953J536_	30" (762mm)
953J636_	36" (915mm)
Without handle	
955J536_	30" (762mm)
955J636_	36" (915mm)



- Double door cabinet
- One adjustable shelf

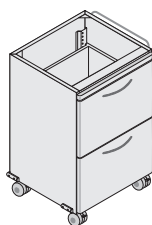
Product No.	Width
With handle (shown)	
953J533_	30" (762mm)
953J633_	36" (915mm)
Without handle	
955J533_	30" (762mm)
955J633_	36" (915mm)



- Combination cabinet
- One 5-module high drawer above cupboard
- One adjustable shelf
- With pullboard

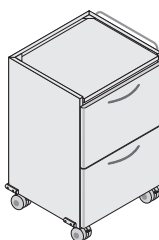
Product No.	Width
With handle (shown)	
954J536_	30" (762mm)
954J636_	36" (915mm)
Without handle	
956J536_	30" (762mm)
956J636_	36" (915mm)

## Mobile Base Cabinets



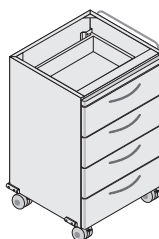
- Drawer cabinet
- Two 10-module high drawers

Product No.	Width
With handle (shown)	
953J239_	18" (457mm)
953J439_	24" (610mm)
953J539_	30" (762mm)
953J639_	36" (915mm)
Without handle	
955J239_	18" (457mm)
955J439_	24" (610mm)
955J539_	30" (762mm)
955J639_	36" (915mm)



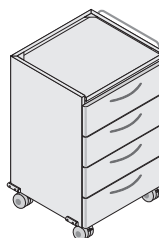
- Drawer cabinet
- Two 10-module high drawers
- With pullboard

Product No.	Width
With handle (shown)	
954J239_	18" (457mm)
954J439_	24" (610mm)
954J539_	30" (762mm)
954J639_	36" (915mm)
Without handle	
956J239_	18" (457mm)
956J439_	24" (610mm)
956J539_	30" (762mm)
956J639_	36" (915mm)



- Drawer cabinet
- Four 5-module high drawers

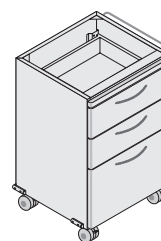
Product No.	Width
With handle (shown)	
953J237_	18" (457mm)
953J437_	24" (610mm)
953J537_	30" (762mm)
953J637_	36" (915mm)
Without handle	
955J237_	18" (457mm)
955J437_	24" (610mm)
955J537_	30" (762mm)
955J637_	36" (915mm)



- Drawer cabinet
- Four 5-module high drawers
- With pullboard

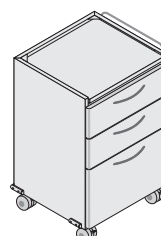
Product No.	Width
With handle (shown)	
954J237_	18" (457mm)
954J437_	24" (610mm)
954J537_	30" (762mm)
954J637_	36" (915mm)
Without handle	
956J237_	18" (457mm)
956J437_	24" (610mm)
956J537_	30" (762mm)
956J637_	36" (915mm)

## Mobile Base Cabinets



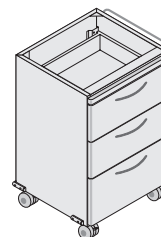
- Drawer cabinet
- Two 5-module high drawers above one 10-module high drawer

Product No.	Width
With handle (shown)	
953J238_	18" (457mm)
953J438_	24" (610mm)
953J538_	30" (762mm)
953J638_	36" (915mm)
Without handle	
955J238_	18" (457mm)
955J438_	24" (610mm)
955J538_	30" (762mm)
955J638_	36" (915mm)



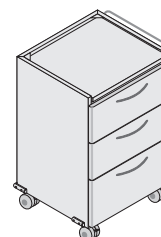
- Drawer cabinet
- Two 5-module high drawers above one 10-module high drawer
- With pullboard

Product No.	Width
With handle (shown)	
954J238_	18" (457mm)
954J438_	24" (610mm)
954J538_	30" (762mm)
954J638_	36" (915mm)
Without handle	
956J238_	18" (457mm)
956J438_	24" (610mm)
956J538_	30" (762mm)
956J638_	36" (915mm)



- Drawer cabinet
- Two 6-module high drawers above one 8-module high drawer

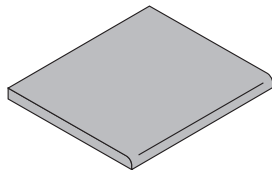
Product No.	Width
With handle (shown)	
953J240_	18" (457mm)
953J440_	24" (610mm)
953J540_	30" (762mm)
953J640_	36" (915mm)
Without handle	
955J240_	18" (457mm)
955J440_	24" (610mm)
955J540_	30" (762mm)
955J640_	36" (915mm)



- Drawer cabinet
- Two 6-module high drawers above one 8-module high drawer
- With pullboard

Product No.	Width
With handle (shown)	
954J240_	18" (457mm)
954J440_	24" (610mm)
954J540_	30" (762mm)
954J640_	36" (915mm)
Without handle	
956J240_	18" (457mm)
956J440_	24" (610mm)
956J540_	30" (762mm)
956J640_	36" (915mm)

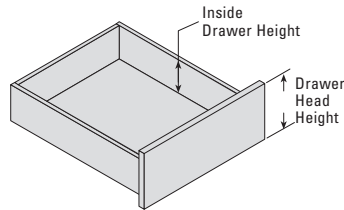
Work Surfaces for Prestige  
Radius/Flush Overlay Mobile Cabinets



- Waterfall front edge
- 1" (25mm) thick X 23" (584mm) deep
- Color is Black

Product No.	Width
High Pressure Laminate	
21L2316L	16-7/16" (418mm)
21L2322L	22-7/16" (570mm)
21L2328L	28-7/16" (722mm)
21L2334L	34-7/16" (875mm)
Black Epoxy Resin	
21L2316E	16-7/16" (418mm)
21L2322E	22-7/16" (570mm)
21L2328E	28-7/16" (722mm)
21L2334E	34-7/16" (875mm)

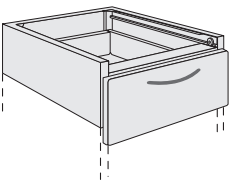
Drawer Module Dimensions



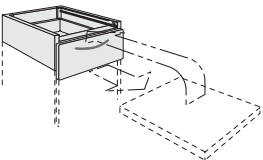
**1-Module = 32 mm**  
**Base Cabinet, Floor-Mounted**  
Standing Height = 24 Mod.  
Sitting Height = 18 Mod.  
**Base Cabinet, Suspended**  
High Suspended = 18 Mod.  
Low Suspended = 15 Mod.

Module Height	Actual Drawer Head Height	Actual Inside Drawer Height
3-Mod.	3.655" (9.28 cm)	1.703" (4.33 cm)
4-Mod.	4.914" (12.48 cm)	2.672" (6.79 cm)
5-Mod.	6.174" (15.58 cm)	2.672" (6.79 cm)
6-Mod.	7.434" (18.88 cm)	4.466" (11.34 cm)
8-Mod.	9.954" (25.28 cm)	5.919" (15.03 cm)
10-Mod. (File Drawer)	12.473" (31.68 cm)	8.341" (21.19 cm)

Add-A-Drawer

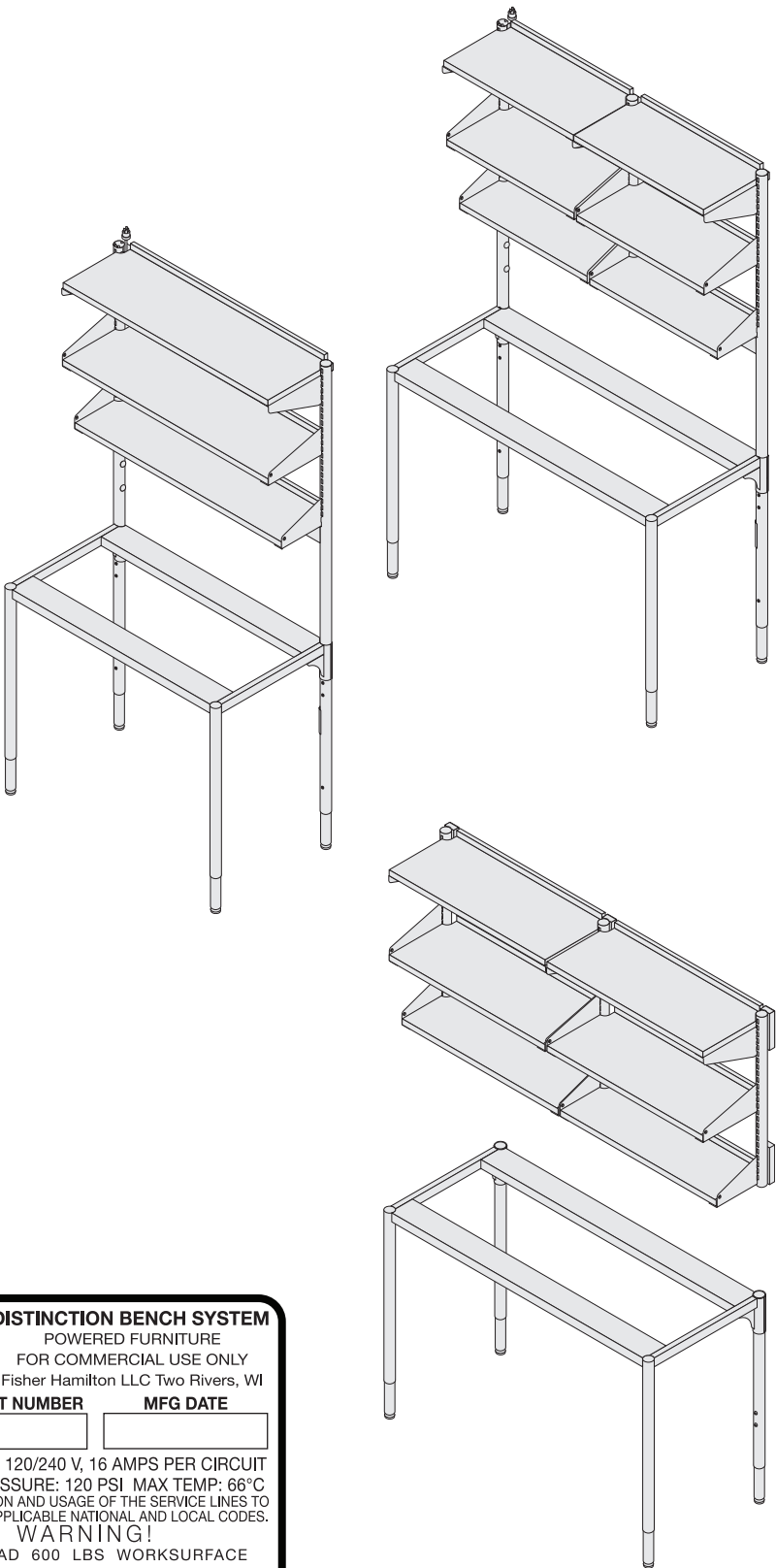


- Add to the top of a sitting height cabinet to convert to a standing height cabinet
- One 5-module high drawer




Product No.	Width
505J1220	15" (381mm)
505J2220	18" (457mm)
505J3220	21" (533mm)
505J4220	24" (610mm)

Remove extended work surface from existing sitting-height cabinet, attach Add-A-Drawer, re-insert extended work surface at top of Add-A-Drawer unit.



All Hamilton Scientific shelves are built to the highest standards of quality. Durable construction and a choice of tough, chemical-resistant finishes ensure high performance and a timeless appearance.

**Shelving Diagram** .....p. 52  
**Wall-Mount Standards** .....p. 53  
**Shelf Front Retainer Rods** .....p. 53  
**Phenolic Resin Shelf Assemblies** .....p. 54  
**Plastic Laminate Shelf Assemblies** .....p. 54-55  
**Shelf Brackets** .....p. 56  
**Glass Shelf Assemblies** .....p. 57



**DISTINCTION BENCH SYSTEM**

POWERED FURNITURE

FOR COMMERCIAL USE ONLY

**LISTED** Fisher Hamilton LLC Two Rivers, WI

20PC

**PRODUCT NUMBER**

**MFG DATE**

RATINGS: 120/240 V, 16 AMPS PER CIRCUIT

MAX PRESSURE: 120 PSI MAX TEMP: 66°C

\*INSTALLATION AND USAGE OF THE SERVICE LINES TO MEET ALL APPLICABLE NATIONAL AND LOCAL CODES.

**WARNING!**

MAX. LOAD 600 LBS WORKSURFACE

MAX. LOAD 100 LBS SHELVING

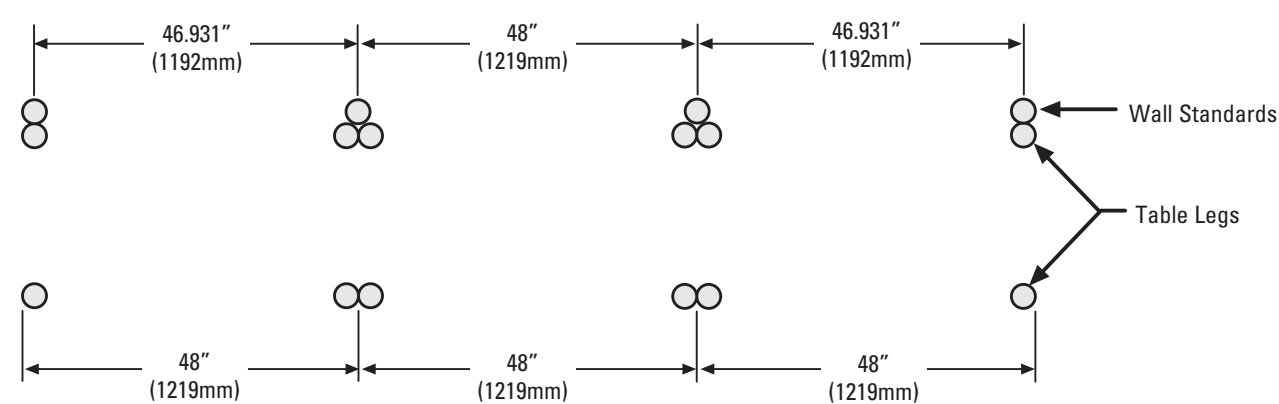
MAX. LOAD 150 LBS CABINETS

PL-981 JULY 11 P/N-70983

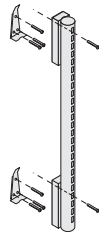
A variety of shelving widths (3) accommodate various bench and wall configurations. To avoid confusion when specifying the product line, follow the attached guideline in respect to widths:

- Shelving that mounts to a Hamilton Distinction rear frame without a center upright: Width = Nominal rear frame size – (minus) 2.125" (54mm)
- Shelving that mounts to a Hamilton Distinction rear frame with a center upright: Width = Nominal rear frame size/2 – (minus) 1.062" (27mm)
- Shelving that mounts to Hamilton Distinction wall standards = Nominal center- to-center wall standard dimension – (minus) 0.062" (1.6mm)

**All shelf widths refer to the outside dimension of the shelf with brackets attached. Product numbers for shelving units correspond to the shelf width.**

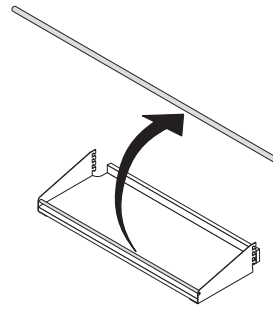


Hamilton Distinction wall standards are shared between table joints. The first wall standard lines up with the first table leg. The second wall standard splits the joint between the second and third leg, fourth and fifth, etc. The tubing is 2" diameter and the shelf slots are on the centerline of the tubing.

**Wall Standard**

- Mounts directly to interior wall when wall-mounted shelves are required
- Wall grounds are required
- Powdercoated steel or stainless steel
- Two wall standards are required for each shelf assembly
- Hardware included

Product No.	Height
Powdercoated Steel 549H0202	29-1/8" (740mm)
Stainless Steel 549H0202SS	29-1/8" (740mm)

**Shelf Front Retainer Rod**

- Prevents items from sliding off shelf
- Attaches to end brackets
- Powdercoated steel or stainless steel
- Hardware included
- Use with either 546H or 549H series shelf brackets with holes for attaching retainer rods

Product No.	Width
<b>Powdercoated Steel</b>	
549H9229	28-5/8" (727mm)
549H9230	29-5/8" (753mm)
549H9235	34-5/8" (880mm)
549H9236	35-5/8" (905mm)
549H9240	39-1/2" (1005mm)
549H9241	40-5/8" (1032mm)
549H9242	41-5/8" (1058mm)
549H9246	45-1/2" (1157mm)
549H9247	46-5/8" (1184mm)
549H9248	47-5/8" (1210mm)
549H9260	57-1/2" (1448mm)
549H9272	69-1/2" (1753mm)
<b>Stainless Steel</b>	
549H9229SS	28-5/8" (727mm)
549H9230SS	29-5/8" (753mm)
549H9235SS	34-5/8" (880mm)
549H9236SS	35-5/8" (905mm)
549H9240SS	39-1/2" (1005mm)
549H9241SS	40-5/8" (1032mm)
549H9242SS	41-5/8" (1058mm)
549H9246SS	45-1/2" (1157mm)
549H9247SS	46-5/8" (1184mm)
549H9248SS	47-5/8" (1210mm)
549H9260SS	46-5/8" (1184mm)
549H9272SS	47-5/8" (1210mm)

**Shelf Usage Guide****Bracket Style  
546H**

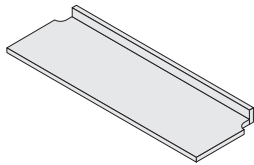
Shelf Width	
26-11/16" (660mm)	For use with center post frame – 60" (1524mm)
27-11/16" (686mm)	For use with wall brackets
32-11/16" (813mm)	For use with center post frame – 72" (1829mm)
33-11/16" (838mm)	For use with wall brackets
37-5/8" (939mm)	For use with full-width frame – 42" (1068mm)
38-11/16" (965mm)	For use with wall bracket when lining up with table frame
39-11/16" (991mm)	For use with wall brackets
43-5/8" (1092mm)	For use with full-width frame – 48" (1219mm)
44-11/16" (1118mm)	For use with center post frame – 96" (2438mm)
45-11/16" (1143mm)	For use with wall brackets
55-5/8" (1397mm)	For use with full-width frame – 60" (1524mm)
67-5/8" (1702mm)	For use with wall brackets – 72" (1829mm)

**Bracket Style  
549H**

Shelf Width	
28-9/16" (726mm)	For use with center post frame – 60" (1524mm)
29-9/16" (751mm)	For use with wall brackets
34-9/16" (878mm)	For use with center post frame – 72" (1829mm)
35-9/16" (904mm)	For use with wall brackets
39-1/2" (1003mm)	For use with full-width frame – 42" (1068mm)
40-9/16" (1030mm)	For use with wall bracket when lining up with table frame
41-9/16" (1056mm)	For use with wall brackets
45-1/2" (1156mm)	For use with full-width frame – 48" (1219mm)
46-9/16" (1183mm)	For use with center post frame – 96" (2438mm)
47-9/16" (1209mm)	For use with wall brackets



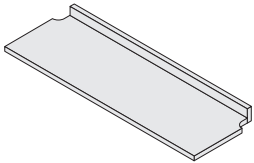
## Phenolic Resin Shelves



- Black phenolic resin shelf without end brackets
- Use with 549H series shelf brackets
- **UL 962 Listed**

**3/4" (19mm) thick shelves x 12" (305mm) deep**

Product No.	Width
549H5029	28-9/16" (726mm)
549H5030	29-9/16" (751mm)
549H5035	34-9/16" (878mm)
549H5036	35-9/16" (904mm)
549H5040	39-1/2" (1003mm)
549H5041	40-9/16" (1030mm)
549H5042	41-9/16" (1056mm)
549H5046	45-1/2" (1156mm)
549H5047	46-9/16" (1183mm)
549H5048	47-9/16" (1209mm)

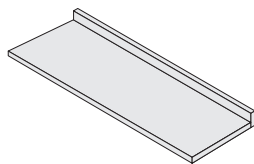


- Black phenolic resin shelf without end brackets
- Use with 549H series shelf brackets
- **UL962 Listed**

**3/4" (19mm) thick shelves x 15" (381mm) deep**

Product No.	Width
549H5129	28-9/16" (726mm)
549H5130	29-9/16" (751mm)
549H5135	34-9/16" (878mm)
549H5136	35-9/16" (904mm)
549H5140	39-1/2" (1003mm)
549H5141	40-9/16" (1030mm)
549H5142	41-9/16" (1056mm)
549H5146	45-1/2" (1156mm)
549H5147	46-9/16" (1183mm)
549H5148	47-9/16" (1209mm)

## Phenolic Resin Shelf



- Black phenolic resin shelf without end brackets
- Use with 546H series shelf brackets
- **UL 962 Listed**

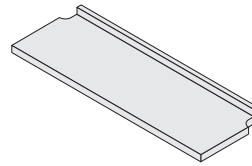
**3/4" (19mm) thick shelves x 12" (305mm) deep**

Product No.	Width
546H5029	26-11/16" (678mm)
546H5030	27-11/16" (703mm)
546H5035	32-11/16" (830mm)
546H5036	33-11/16" (856mm)
546H5040	37-5/8" (956mm)
546H5041	38-11/16" (983mm)
546H5042	39-11/16" (1008mm)
546H5046	43-5/8" (1108mm)
546H5047	44-11/16" (1135mm)
546H5048	45-11/16" (1160mm)

**3/4" (19mm) thick shelves x 15" (381mm) deep**

Product No.	Width
546H5129	26-11/16" (678mm)
546H5130	27-11/16" (703mm)
546H5135	32-11/16" (830mm)
546H5136	33-11/16" (856mm)
546H5140	37-5/8" (956mm)
546H5141	38-11/16" (983mm)
546H5142	39-11/16" (1008mm)
546H5146	43-5/8" (1108mm)
546H5147	44-11/16" (1135mm)
546H5148	45-11/16" (1160mm)

## Plastic Laminate Shelves



- Plastic laminate shelf with wood edge band and rear rail, without end brackets
- 1" (25mm) thick x 12" (305mm) depth
- Use with 549H series shelf brackets
- **UL 962 Listed**

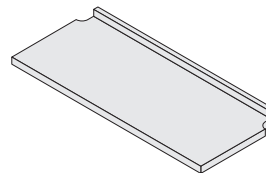
**Product No. Width**

## Maple Edge Band and Rear Rail

549H4629	28-9/16" (726mm)
549H4630	29-9/16" (751mm)
549H4635	34-9/16" (878mm)
549H4636	35-9/16" (904mm)
549H4640	39-1/2" (1003mm)
549H4641	40-9/16" (1030mm)
549H4642	41-9/16" (1056mm)
549H4646	45-1/2" (1156mm)
549H4647	46-9/16" (1183mm)
549H4648	47-9/16" (1209mm)

## Oak Edge Band and Rear Rail

549H9029	28-9/16" (726mm)
549H9030	29-9/16" (751mm)
549H9035	34-9/16" (878mm)
549H9036	35-9/16" (904mm)
549H9040	39-1/2" (1003mm)
549H9041	40-9/16" (1030mm)
549H9042	41-9/16" (1056mm)
549H9046	45-1/2" (1156mm)
549H9047	46-9/16" (1183mm)
549H9048	47-9/16" (1209mm)



- Plastic laminate shelf with wood edge band and rear rail, without end brackets
- 1" (25mm) thick x 15" (381mm) depth
- Use with 549H series shelf brackets
- **UL 962 Listed**

**Product No. Width**

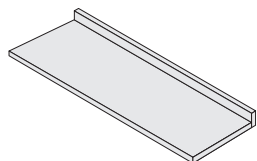
## Maple Edge Band and Rear Rail

549H8729	28-9/16" (726mm)
549H8730	29-9/16" (751mm)
549H8735	34-9/16" (878mm)
549H8736	35-9/16" (904mm)
549H8740	39-1/2" (1003mm)
549H8741	40-9/16" (1030mm)
549H8742	41-9/16" (1056mm)
549H8746	45-1/2" (1156mm)
549H8747	46-9/16" (1183mm)
549H8748	47-9/16" (1209mm)

## Oak Edge Band and Rear Rail

549H9129	28-9/16" (726mm)
549H9130	29-9/16" (751mm)
549H9135	34-9/16" (878mm)
549H9136	35-9/16" (904mm)
549H9140	39-1/2" (1003mm)
549H9141	40-9/16" (1030mm)
549H9142	41-9/16" (1056mm)
549H9146	45-1/2" (1156mm)
549H9147	46-9/16" (1183mm)
549H9148	47-9/16" (1209mm)

## Plastic Laminate Shelves

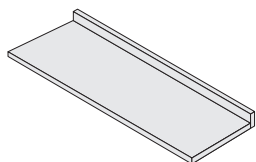


- PVC edge band and rear rail, without end brackets
- 1" (25mm) thick x 12" (305mm) depth
- Use with 546H series shelf brackets
- **UL 962 Listed**

Product No.	Width
<b>Maple Edge Band and Rear Rail</b>	
546H4629	26-11/16" (660mm)
546H4630	27-11/16" (685mm)
546H4635	32-11/16" (813mm)
546H4636	33-11/16" (838mm)
546H4640	37-5/8" (940mm)
546H4641	38-11/16" (965mm)
546H4642	39-11/16" (990mm)
546H4646	43-5/8" (1092mm)
546H4647	44-11/16" (1118mm)
546H4648	45-11/16" (1143mm)

<b>Oak Edge Band and Rear Rail</b>	
546H9029	26-11/16" (660mm)
546H9030	27-11/16" (685mm)
546H9035	32-11/16" (813mm)
546H9036	33-11/16" (838mm)
546H9040	37-5/8" (940mm)
546H9041	38-11/16" (965mm)
546H9042	39-11/16" (990mm)
546H9046	43-5/8" (1092mm)
546H9047	44-11/16" (1118mm)
546H9048	45-11/16" (1143mm)

Sizes are nominal



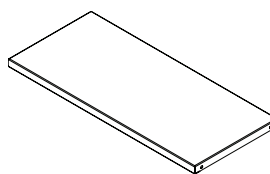
- PVC edge band and rear rail, without end brackets
- 1" (25mm) thick x 15" (381mm) depth
- Use with 546H series shelf brackets
- **UL 962 Listed**

Product No.	Width
<b>Maple Edge Band and Rear Rail</b>	
546H8729	26-11/16" (660mm)
546H8730	27-11/16" (685mm)
546H8735	32-11/16" (813mm)
546H8736	33-11/16" (838mm)
546H8740	37-5/8" (940mm)
546H8741	38-11/16" (965mm)
546H8742	39-11/16" (990mm)
546H8746	43-5/8" (1092mm)
546H8747	44-11/16" (1118mm)
546H8748	45-11/16" (1143mm)

<b>Oak Edge Band and Rear Rail</b>	
546H9129	26-11/16" (660mm)
546H9130	27-11/16" (685mm)
546H9135	32-11/16" (813mm)
546H9136	33-11/16" (838mm)
546H9140	37-5/8" (940mm)
546H9141	38-11/16" (965mm)
546H9142	39-11/16" (990mm)
546H9146	43-5/8" (1092mm)
546H9147	44-11/16" (1118mm)
546H9148	45-11/16" (1143mm)

Sizes are nominal

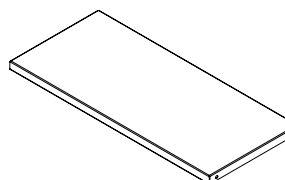
## Steel Shelves



- Load rating of 100 lbs.
- 1" (25mm) thick x 12" (305mm) depth
- Use with 546H series shelf brackets
- **UL 962 Listed**

Product No.	Width
<b>Powdercoated Steel</b>	
546H5029S	26-11/16" (660mm)
546H5030S	27-11/16" (685mm)
546H5035S	32-11/16" (813mm)
546H5036S	33-11/16" (838mm)
546H5040S	37-5/8" (940mm)
546H5041S	38-11/16" (965mm)
546H5042S	39-11/16" (990mm)
546H5046S	43-5/8" (1092mm)
546H5047S	44-11/16" (1118mm)
546H5048S	45-11/16" (1143mm)
546H5060S	55-5/8" (1397mm)
546H5072S	67-5/8" (1702mm)

<b>Stainless Steel</b>	
546H5029SS	26-11/16" (660mm)
546H5030SS	27-11/16" (685mm)
546H5035SS	32-11/16" (813mm)
546H5036SS	33-11/16" (838mm)
546H5040SS	37-5/8" (940mm)
546H5041SS	38-11/16" (965mm)
546H5042SS	39-11/16" (990mm)
546H5046SS	43-5/8" (1092mm)
546H5047SS	44-11/16" (1118mm)
546H5048SS	45-11/16" (1143mm)
546H5060SS	55-5/8" (1397mm)
546H5072SS	67-5/8" (1702mm)



- Load rating of 100 lbs.
- 1" (25mm) thick x 14.875" (378mm) depth
- Use with 546H series shelf brackets
- **UL 962 Listed**

Product No.	Width
<b>Powdercoated Steel</b>	
546H5129S	26-11/16" (660mm)
546H5130S	27-11/16" (685mm)
546H5135S	32-11/16" (813mm)
546H5136S	33-11/16" (838mm)
546H5140S	37-5/8" (940mm)
546H5141S	38-11/16" (965mm)
546H5142S	39-11/16" (990mm)
546H5146S	43-5/8" (1092mm)
546H5147S	44-11/16" (1118mm)
546H5148S	45-11/16" (1143mm)
546H5160S	55-5/8" (1397mm)
546H5172S	67-5/8" (1702mm)

<b>Stainless Steel</b>	
546H5129SS	26-11/16" (660mm)
546H5130SS	27-11/16" (685mm)
546H5135SS	32-11/16" (813mm)
546H5136SS	33-11/16" (838mm)
546H5140SS	37-5/8" (940mm)
546H5141SS	38-11/16" (965mm)
546H5142SS	39-11/16" (990mm)
546H5146SS	43-5/8" (1092mm)
546H5147SS	44-11/16" (1118mm)
546H5148SS	45-11/16" (1143mm)
546H5160SS	55-5/8" (1397mm)
546H5172SS	67-5/8" (1702mm)

Shelf Brackets – 549H Series



- One pair of 9" (229mm) end brackets
- Mounts to wall standards or rear frame uprights
- **UL 962 Listed**
- Use with 12" (305 mm) deep shelves

**Product No.**

Powdercoated Steel	
549H5212	With holes
549H9312	Without holes
Stainless Steel	
549H5212SS	With holes
549H9312SS	Without holes

- One pair of 12" (305mm) end brackets
- Use with 15" (381 mm) deep shelves

**Product No.**

Powdercoated Steel	
549H5215	With holes
549H9315	Without holes
Stainless Steel	
549H5215SS	With holes
549H9315SS	Without holes



- One pair of 12" (305mm) end brackets for top shelves
- Mounts to wall standards or rear frame uprights
- **UL 962 Listed**
- Use with 15" (381 mm) deep shelves

**Product No.**

Powdercoated Steel	
549H5315	
Stainless Steel	
549H5315SS	

Shelf Brackets



- One pair of end brackets
- Mounts to wall standards or rear frame uprights
- **UL 962 Listed**

Use with 546H series 3/4" (19 mm) shelves

**Product No.**

Powdercoated Steel	Size	
546H5412	9" (229 mm)	with hole
546H9412	9" (229 mm)	without hole
546H5415	12" (305 mm)	with hole
546H9415	12" (305 mm)	without hole

Stainless Steel		
546H5415SS	9" (229 mm)	with hole
546H9412SS	9" (229 mm)	without hole
546H5415SS	12" (305 mm)	with hole
546H9415SS	12" (305 mm)	without hole

Use with 546H series 1" shelves

**Product No.**

Powdercoated Steel	Size	
546H5212	9" (229 mm)	with hole
546H9312	9" (229 mm)	without hole
546H5215	12" (305 mm)	with hole
546H9315	12" (305 mm)	without hole

Stainless Steel		
546H5212SS	9" (229 mm)	with hole
546H9312SS	9" (229 mm)	without hole
546H5215SS	12" (305 mm)	with hole
546H9315SS	12" (305 mm)	without hole



- One pair of 12" (305mm) end brackets for top shelves
- Mounts to wall standards or rear frame uprights
- **UL 962 Listed**
- Use with 15" (381 mm) deep shelves

Use with 546H series 3/4" (19 mm) size

**Product No.**

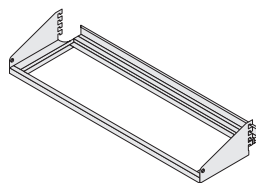
Powdercoated Steel	Size
546H5515	12" (305 mm)
Stainless Steel	
546H5515SS	12" (305 mm)

Use with 546H series 1" (25 mm) shelves

**Product No.**

Powdercoated Steel	Size
546H5315	12" (305 mm)
Stainless Steel	
546H5315SS	12" (305 mm)

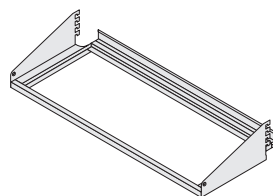
## Shelf Frame Assemblies



- Powdercoated steel or stainless steel end brackets and full frame
- 3/4" (19mm) thick x 12" (305mm) deep

**Shelf frame assemblies only. Shelf inserts must be ordered separately.**

Product No.	Width
<b>Powdercoated Steel</b>	
549H4029	28-15/16" (735mm)
549H4030	29-15/16" (760mm)
549H4035	34-15/16" (887mm)
549H4036	35-15/16" (913mm)
549H4040	39-7/8" (1012mm)
549H4041	40-15/16" (1039mm)
549H4042	41-15/16" (1065mm)
549H4046	45-7/8" (1165mm)
549H4047	46-15/16" (1192mm)
549H4048	47-15/16" (1218mm)
<b>Stainless Steel</b>	
549H4029SS	28-15/16" (735mm)
549H4030SS	29-15/16" (760mm)
549H4035SS	34-15/16" (887mm)
549H4036SS	35-15/16" (913mm)
549H4040SS	39-7/8" (1012mm)
549H4041SS	40-15/16" (1039mm)
549H4042SS	41-15/16" (1065mm)
549H4046SS	45-7/8" (1165mm)
549H4047SS	46-15/16" (1192mm)
549H4048SS	47-15/16" (1218mm)

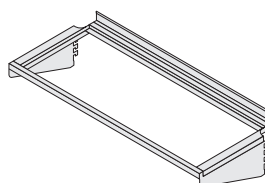


- Powdercoated steel or stainless steel end brackets and full frame
- 3/4" (19mm) thick x 15" (381mm) deep

**Shelf frame assemblies only. Shelf inserts must be ordered separately.**

Product No.	Width
<b>Powdercoated Steel</b>	
549H4129	28-15/16" (735mm)
549H4130	29-15/16" (760mm)
549H4135	34-15/16" (887mm)
549H4136	35-15/16" (913mm)
549H4140	39-7/8" (1012mm)
549H4141	40-15/16" (1039mm)
549H4142	41-15/16" (1065mm)
549H4146	45-7/8" (1165mm)
549H4147	46-15/16" (1192mm)
549H4148	47-15/16" (1218mm)
<b>Stainless Steel</b>	
549H4129SS	28-15/16" (735mm)
549H4130SS	29-15/16" (760mm)
549H4135SS	34-15/16" (887mm)
549H4136SS	35-15/16" (913mm)
549H4140SS	39-7/8" (1012mm)
549H4141SS	40-15/16" (1039mm)
549H4142SS	41-15/16" (1065mm)
549H4146SS	45-7/8" (1165mm)
549H4147SS	46-15/16" (1192mm)
549H4148SS	47-15/16" (1218mm)

## Top Shelf Frame Assemblies

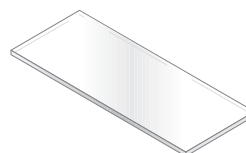


- Powdercoated steel or stainless steel end brackets and full top frame
- 3/4" (19mm) thick x 15" (381mm) deep
- UL 962 Listed

**Shelf frame assemblies only. Shelf inserts must be ordered separately.**

Product No.	Width
<b>Powdercoated Steel</b>	
549H4229	28-15/16" (735mm)
549H4230	29-15/16" (760mm)
549H4235	34-15/16" (887mm)
549H4236	35-15/16" (913mm)
549H4240	39-7/8" (1012mm)
549H4241	40-15/16" (1039mm)
549H4242	41-15/16" (1065mm)
549H4246	45-7/8" (1165mm)
549H4247	46-15/16" (1192mm)
549H4248	47-15/16" (1218mm)
<b>Stainless Steel</b>	
549H4229SS	28-15/16" (735mm)
549H4230SS	29-15/16" (760mm)
549H4235SS	34-15/16" (887mm)
549H4236SS	35-15/16" (913mm)
549H4240SS	39-7/8" (1012mm)
549H4241SS	40-15/16" (1039mm)
549H4242SS	41-15/16" (1065mm)
549H4246SS	45-7/8" (1165mm)
549H4247SS	46-15/16" (1192mm)
549H4248SS	47-15/16" (1218mm)

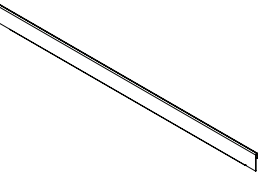
## Glass Shelf Inserts



- Laminated clear glass shelf insert for steel frame
- 1/2" (12mm) thick x 9-5/8" (245mm) or 12-5/8" (321mm) deep
- UL-962 Listed

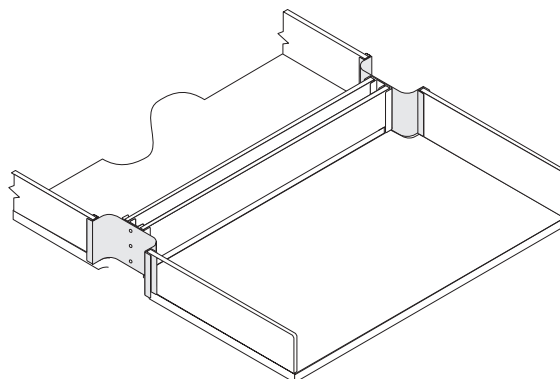
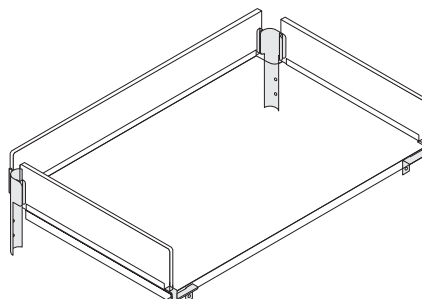
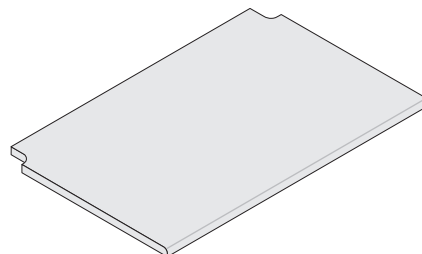
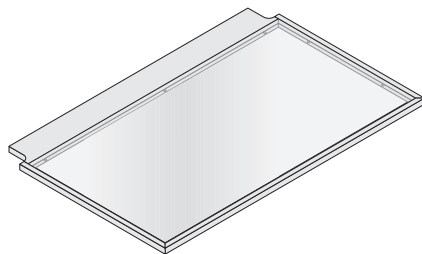
Product No.	Width
<b>9-5/8" (245mm) Depth</b>	
549H3829	26-13/32" (671mm)
549H3830	27-7/16" (697mm)
549H3835	32-13/32" (823mm)
549H3836	33-13/32" (913mm)
549H3840	37-11/32" (947mm)
549H3841	38-13/32" (976mm)
549H3842	39-7/16" (1001mm)
549H3846	43-11/32" (1101mm)
549H3847	44-13/32" (1128mm)
549H3848	45-7/16" (1154mm)
<b>12-5/8" (321mm) Depth</b>	
549H3929	26-13/32" (671mm)
549H3930	27-7/16" (697mm)
549H3935	32-13/32" (823mm)
549H3936	33-13/32" (913mm)
549H3940	37-11/32" (947mm)
549H3941	38-13/32" (976mm)
549H3942	39-7/16" (1001mm)
549H3946	43-11/32" (1101mm)
549H3947	44-13/32" (1128mm)
549H3948	45-7/16" (1154mm)

Steel Shelf Lip



■ Powdercoated steel or stainless steel shelf lip

Product No.	Width
Powdercoated Steel	
549H9229L	26-1/2" (673mm)
549H9230L	27-1/2" (698mm)
549H9235L	32-1/2" (825mm)
549H9236L	33-1/2" (851mm)
549H9240L	37-1/2" (953mm)
549H9241L	38-1/2" (978mm)
549H9242L	39-1/2" (1003mm)
549H9246L	43-1/2" (1105mm)
549H9247L	44-1/2" (1130mm)
549H9248L	45-1/2" (1156mm)
549H9260L	55-1/2" (1410mm)
549H9272L	67-1/2" (1715mm)
Stainless Steel	
549H9229LSS	26-1/2" (673mm)
549H9230LSS	27-1/2" (698mm)
549H9235LSS	32-1/2" (825mm)
549H9236LSS	33-1/2" (851mm)
549H9240LSS	37-1/2" (953mm)
549H9241LSS	38-1/2" (978mm)
549H9242LSS	39-1/2" (1003mm)
549H9246LSS	43-1/2" (1105mm)
549H9247LSS	44-1/2" (1130mm)
549H9248LSS	45-1/2" (1156mm)
549H9260LSS	55-1/2" (1410mm)
549H9272LSS	67-1/2" (1715mm)



Work surfaces are available in high pressure laminate, epoxy resin, phenolic resin and framed laminated safety glass. Back and side splashes are also available in epoxy resin, phenolic resin and laminated safety glass.

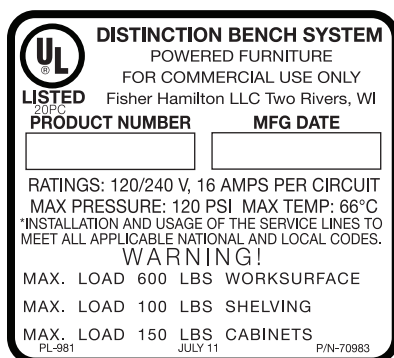
**Glass Work Surfaces** ..... p. 60

**Phenolic Resin Work Surfaces** ..... p. 61

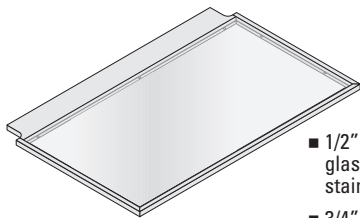
**Epoxy Resin Work Surfaces** ..... p. 61

**Plastic Laminate Work Surfaces** ..... p. 61

**Back and Side Splashes** .....p. 62-67

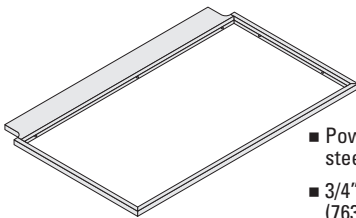


Glass Work Surface Assemblies



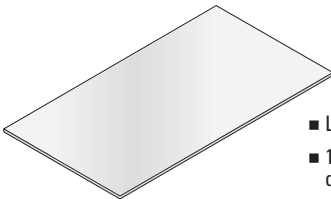
- 1/2" (13mm) thick laminated safety glass set in a powdercoated steel or stainless steel full frame
- 3/4" (19mm) overall thickness x 30" (763mm) overall depth

Product No.	Width
Powdercoated Steel Frame	
549H8842	42" (1067mm)
549H8848	48" (1219mm)
549H8860	60" (1524mm)
549H8872	72" (1829mm)
549H8896	96" (2438mm)
Stainless Steel Frame	
549H8842SS	42" (1067mm)
549H8848SS	48" (1219mm)
549H8860SS	60" (1524mm)
549H8872SS	72" (1829mm)
549H8896SS	96" (2438mm)



- Powdercoated steel or stainless steel full frame
- 3/4" (19mm) overall thickness x 30" (763mm) overall depth

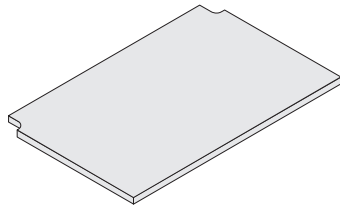
Product No.	Width
Powdercoated Steel Frame	
549H8042	42" (1067mm)
549H8048	48" (1219mm)
549H8060	60" (1524mm)
549H8072	72" (1829mm)
549H8096	96" (2438mm)
Stainless Steel Frame	
549H8042SS	42" (1067mm)
549H8048SS	48" (1219mm)
549H8060SS	60" (1524mm)
549H8072SS	72" (1829mm)
549H8096SS	96" (2438mm)



- Laminated safety glass insert
- 1/2" (13mm) thick x 25-7/16" (645mm) depth

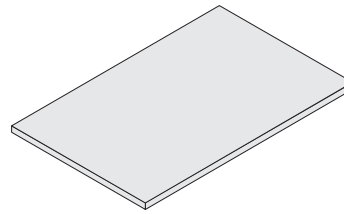
Product No.	Width
549H7042	42" (1067mm)
549H7048	48" (1219mm)
549H7060	60" (1524mm)
549H7072	72" (1829mm)
549H7096	96" (2438mm)

## Phenolic Resin Work Surfaces



- Black Phenolic Resin with rear cutouts for bench frames with full-height rear frame assemblies
- 30" (763mm) depth
- UL 962 Listed

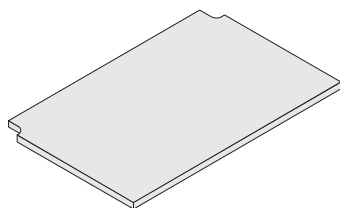
Product No.	Width	Product No.	Width
<b>1" (25mm) Thick Work Surface</b>		<b>3/4" (19mm) Thick Work Surface</b>	
549H7242	42" (1067mm)	549H9742	42" (1067mm)
549H7248	48" (1219mm)	549H9748	48" (1219mm)
549H7260	60" (1524mm)	549H9760	60" (1524mm)
549H7272	72" (1829mm)	549H9772	72" (1829mm)
549H7296	96" (2438mm)	549H9796	96" (2438mm)



- Black Phenolic Resin for four-post bench frames
- 30" (763mm) depth
- UL 962 Listed

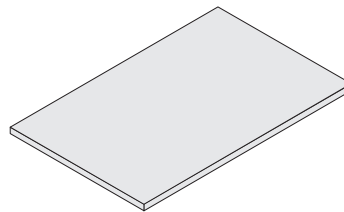
Product No.	Width	Product No.	Width
<b>1" (25mm) Thick Work Surface</b>		<b>3/4" (19mm) Thick Work Surface</b>	
549H9542	42" (1067mm)	21L3042T	42" (1067mm)
549H9548	48" (1219mm)	21L3048T	48" (1219mm)
549H9560	60" (1524mm)	21L3060T	60" (1524mm)
549H9572	72" (1829mm)	21L3072T	72" (1829mm)
549H9596	96" (2438mm)	21L3096T	96" (2438mm)

## Epoxy Resin Work Surfaces



- Black Epoxy Resin with rear cutouts for bench frames with full-height rear frame assemblies
- 30" (763mm) depth
- UL 962 Listed

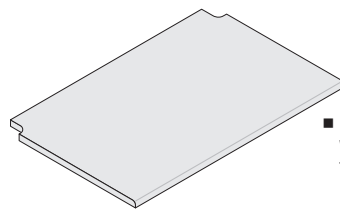
Product No.	Width	Product No.	Width
<b>1" (25mm) Thick Work Surface</b>		<b>3/4" (19mm) Thick Work Surface</b>	
549H7142	42" (1067mm)	549H9642	42" (1067mm)
549H7148	48" (1219mm)	549H9648	48" (1219mm)
549H7160	60" (1524mm)	549H9660	60" (1524mm)
549H7172	72" (1829mm)	549H9672	72" (1829mm)
549H7196	96" (2438mm)	549H9696	96" (2438mm)



- Black Epoxy Resin for four-post bench frames
- 30" (763mm) depth
- UL 962 Listed

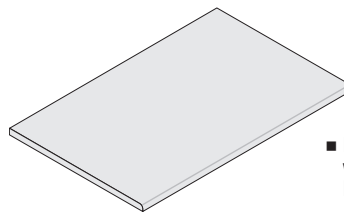
Product No.	Width	Product No.	Width
<b>1" (25mm) Thick Work Surface</b>		<b>3/4" (19mm) Thick Work Surface</b>	
21L3042E	42" (1067mm)	549H9842	42" (1067mm)
21L3048E	48" (1219mm)	549H9848	48" (1219mm)
21L3060E	60" (1524mm)	549H9860	60" (1524mm)
21L3072E	72" (1829mm)	549H9872	72" (1829mm)
21L3096E	96" (2438mm)	549H9896	96" (2438mm)

## High Pressure Plastic Laminate Work Surfaces



- High pressure plastic laminate with waterfall front edge and rear cutouts for bench frames with full-height rear frame assemblies
- 1" (25mm) thick x 30" (763mm) depth
- Color per order
- UL 962 Listed

Product No.	Width
549H8942	42" (1067mm)
549H8948	48" (1219mm)
549H8960	60" (1524mm)
549H8972	72" (1829mm)
549H8996	96" (2438mm)

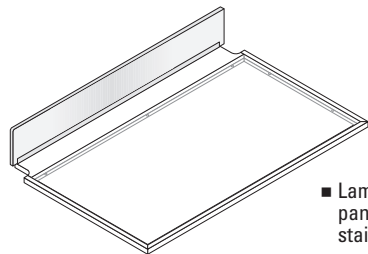


- High pressure plastic laminate with waterfall front edge for four-post bench frames
- 1" (25mm) thick x 30" (763mm) depth
- Color per order
- UL 962 Listed

Product No.	Width
549H9442	42" (1067mm)
549H9448	48" (1219mm)
549H9460	60" (1524mm)
549H9472	72" (1829mm)
549H9496	96" (2438mm)



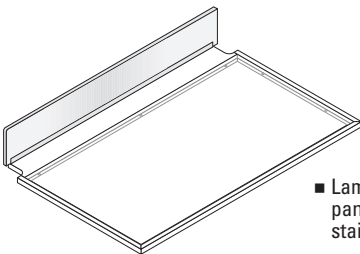
Glass Backsplash Panels  
for Tubular Rear Frame Assembly



- Laminated safety glass backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- Extended leadtime item/minimum quantity requirements
- **UL 962 Listed**

Product No.	Width
Powdercoated Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
549H5642	39-1/4" (997mm)
549H5648	45-1/4" (1149mm)
549H5660	57-1/4" (1454mm)
549H5672	69-1/4" (1759mm)
549H5696	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H5742	39-1/4" (997mm)
549H5748	45-1/4" (1149mm)
549H5760	57-1/4" (1454mm)
549H5772	69-1/4" (1759mm)
549H5796	93-1/4" (2369mm)
Stainless Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
549H5642SS	39-1/4" (997mm)
549H5648SS	45-1/4" (1149mm)
549H5660SS	57-1/4" (1454mm)
549H5672SS	69-1/4" (1759mm)
549H5696SS	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H5742SS	39-1/4" (997mm)
549H5748SS	45-1/4" (1149mm)
549H5760SS	57-1/4" (1454mm)
549H5772SS	69-1/4" (1759mm)
549H5796SS	93-1/4" (2369mm)

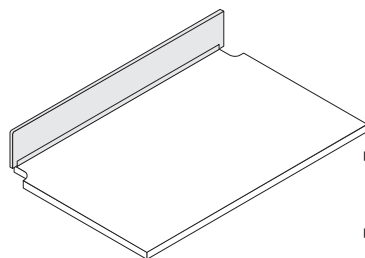
Glass Backsplash Panels  
for Shared Rear Frame Assembly



- Laminated safety glass backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- Extended leadtime item/minimum quantity requirements
- **UL 962 Listed**

Product No.	Width
Powdercoated Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
547H1442	37-3/8" (949mm)
547H1448	43-3/8" (1102mm)
547H1460	55-3/8" (1407mm)
547H1472	67-3/8" (1711mm)
547H1496	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H1542	37-3/8" (949mm)
547H1548	43-3/8" (1102mm)
547H1560	55-3/8" (1407mm)
547H1572	67-3/8" (1711mm)
547H1596	91-3/8" (2321mm)
Stainless Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
547H1442SS	37-3/8" (949mm)
547H1448SS	43-3/8" (1102mm)
547H1460SS	55-3/8" (1407mm)
547H1472SS	67-3/8" (1711mm)
547H1496SS	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H1542SS	37-3/8" (949mm)
547H1548SS	43-3/8" (1102mm)
547H1560SS	55-3/8" (1407mm)
547H1572SS	67-3/8" (1711mm)
547H1596SS	91-3/8" (2321mm)

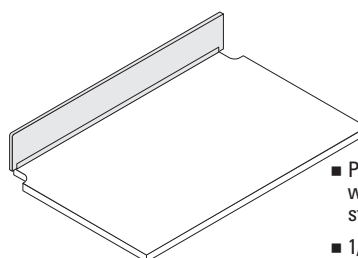
### Phenolic Resin Backsplash Panels for Tubular Rear Frame Assembly



- Phenolic Resin backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- UL 962 Listed

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H5842	39-1/4" (997mm)
549H5848	45-1/4" (1149mm)
549H5860	57-1/4" (1454mm)
549H5872	69-1/4" (1759mm)
549H5896	93-1/4" (2369mm)
3-7/8" (98mm) Overall Height	
549H5942	39-1/4" (997mm)
549H5948	45-1/4" (1149mm)
549H5960	57-1/4" (1454mm)
549H5972	69-1/4" (1759mm)
549H5996	93-1/4" (2369mm)
5-7/8" (149mm) Overall Height	
549H6042	39-1/4" (997mm)
549H6048	45-1/4" (1149mm)
549H6060	57-1/4" (1454mm)
549H6072	69-1/4" (1759mm)
549H6096	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H6142	39-1/4" (997mm)
549H6148	45-1/4" (1149mm)
549H6160	57-1/4" (1454mm)
549H6172	69-1/4" (1759mm)
549H6196	93-1/4" (2369mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H5842SS	39-1/4" (997mm)
549H5848SS	45-1/4" (1149mm)
549H5860SS	57-1/4" (1454mm)
549H5872SS	69-1/4" (1759mm)
549H5896SS	93-1/4" (2369mm)
3-7/8" (98mm) Overall Height	
549H5948SS	45-1/4" (1149mm)
549H5960SS	57-1/4" (1454mm)
549H5972SS	69-1/4" (1759mm)
549H5996SS	93-1/4" (2369mm)
5-7/8" (149mm) Overall Height	
549H6042SS	39-1/4" (997mm)
549H6048SS	45-1/4" (1149mm)
549H6060SS	57-1/4" (1454mm)
549H6072SS	69-1/4" (1759mm)
549H6096SS	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H6142SS	39-1/4" (997mm)
549H6148SS	45-1/4" (1149mm)
549H6160SS	57-1/4" (1454mm)
549H6172SS	69-1/4" (1759mm)
549H6196SS	93-1/4" (2369mm)

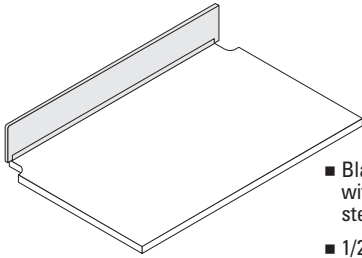
### Phenolic Resin Backsplash Panels for Shared Rear Frame Assembly



- Phenolic Resin backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- UL 962 Listed

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
547H1042	37-3/8" (949mm)
547H1048	43-3/8" (1102mm)
547H1060	55-3/8" (1407mm)
547H1072	67-3/8" (1711mm)
547H1096	91-3/8" (2321mm)
3-7/8" (98mm) Overall Height	
547H1142	37-3/8" (949mm)
547H1148	43-3/8" (1102mm)
547H1160	55-3/8" (1407mm)
547H1172	67-3/8" (1711mm)
547H1196	91-3/8" (2321mm)
5-7/8" (149mm) Overall Height	
547H1242	37-3/8" (949mm)
547H1248	43-3/8" (1102mm)
547H1260	55-3/8" (1407mm)
547H1272	67-3/8" (1711mm)
547H1296	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H1342	37-3/8" (949mm)
547H1348	43-3/8" (1102mm)
547H1360	55-3/8" (1407mm)
547H1372	67-3/8" (1711mm)
547H1396	91-3/8" (2321mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
547H1042SS	37-3/8" (949mm)
547H1048SS	43-3/8" (1102mm)
547H1060SS	55-3/8" (1407mm)
547H1072SS	67-3/8" (1711mm)
547H1096SS	91-3/8" (2321mm)
3-7/8" (98mm) Overall Height	
547H1142SS	37-3/8" (949mm)
547H1148SS	43-3/8" (1102mm)
547H1160SS	55-3/8" (1407mm)
547H1172SS	67-3/8" (1711mm)
547H1196SS	91-3/8" (2321mm)
5-7/8" (149mm) Overall Height	
547H1242SS	37-3/8" (949mm)
547H1248SS	43-3/8" (1102mm)
547H1260SS	55-3/8" (1407mm)
547H1272SS	67-3/8" (1711mm)
547H1296SS	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H1342SS	37-3/8" (949mm)
547H1348SS	43-3/8" (1102mm)
547H1360SS	55-3/8" (1407mm)
547H1372SS	67-3/8" (1711mm)
547H1396SS	91-3/8" (2321mm)

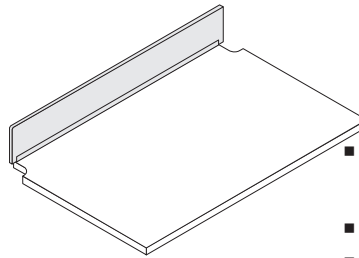
### Epoxy Resin Backsplash Panels for Tubular Rear Frame Assembly



- Black Epoxy Resin backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See page 59 for attachment brackets
- UL 962 Listed

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6242	39-1/4" (997mm)
549H6248	45-1/4" (1149mm)
549H6260	57-1/4" (1454mm)
549H6272	69-1/4" (1759mm)
549H6296	93-1/4" (2369mm)
3-7/8" (98mm) Overall Height	
549H6342	39-1/4" (997mm)
549H6348	45-1/4" (1149mm)
549H6360	57-1/4" (1454mm)
549H6372	69-1/4" (1759mm)
549H6396	93-1/4" (2369mm)
5-7/8" (149mm) Overall Height	
549H6442	39-1/4" (997mm)
549H6448	45-1/4" (1149mm)
549H6460	57-1/4" (1454mm)
549H6472	69-1/4" (1759mm)
549H6496	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H6542	39-1/4" (997mm)
549H6548	45-1/4" (1149mm)
549H6560	57-1/4" (1454mm)
549H6572	69-1/4" (1759mm)
549H6596	93-1/4" (2369mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6242SS	39-1/4" (997mm)
549H6248SS	45-1/4" (1149mm)
549H6260SS	57-1/4" (1454mm)
549H6272SS	69-1/4" (1759mm)
549H6296SS	93-1/4" (2369mm)
3-7/8" (98mm) Overall Height	
549H6342SS	39-1/4" (997mm)
549H6348SS	45-1/4" (1149mm)
549H6360SS	57-1/4" (1454mm)
549H6372SS	69-1/4" (1759mm)
549H6396SS	93-1/4" (2369mm)
5-7/8" (149mm) Overall Height	
549H6442SS	39-1/4" (997mm)
549H6448SS	45-1/4" (1149mm)
549H6460SS	57-1/4" (1454mm)
549H6472SS	69-1/4" (1759mm)
549H6496SS	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H6542SS	39-1/4" (997mm)
549H6548SS	45-1/4" (1149mm)
549H6560SS	57-1/4" (1454mm)
549H6572SS	69-1/4" (1759mm)
549H6596SS	93-1/4" (2369mm)

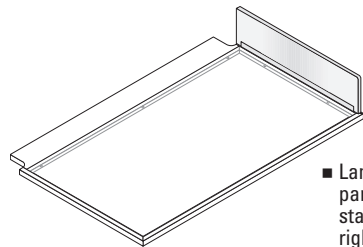
### Epoxy Resin Backsplash Panels for Shared Rear Frame Assembly



- Epoxy Resin backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See splash brackets on page 59 for attachment
- UL 962 Listed

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
547H0642	37-3/8" (949mm)
547H0648	43-3/8" (1102mm)
547H0660	55-3/8" (1407mm)
547H0672	67-3/8" (1711mm)
547H0696	91-3/8" (2321mm)
3-7/8" (98mm) Overall Height	
547H0742	37-3/8" (949mm)
547H0748	43-3/8" (1102mm)
547H0760	55-3/8" (1407mm)
547H0772	67-3/8" (1711mm)
547H0796	91-3/8" (2321mm)
5-7/8" (149mm) Overall Height	
547H0842	37-3/8" (949mm)
547H0848	43-3/8" (1102mm)
547H0860	55-3/8" (1407mm)
547H0872	67-3/8" (1711mm)
547H0896	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H0942	37-3/8" (949mm)
547H0948	43-3/8" (1102mm)
547H0960	55-3/8" (1407mm)
547H0972	67-3/8" (1711mm)
547H0996	91-3/8" (2321mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
547H0642SS	37-3/8" (949mm)
547H0648SS	43-3/8" (1102mm)
547H0660SS	55-3/8" (1407mm)
547H0672SS	67-3/8" (1711mm)
547H0696SS	91-3/8" (2321mm)
3-7/8" (98mm) Overall Height	
547H0742SS	37-3/8" (949mm)
547H0748SS	43-3/8" (1102mm)
547H0760SS	55-3/8" (1407mm)
547H0772SS	67-3/8" (1711mm)
547H0796SS	91-3/8" (2321mm)
5-7/8" (149mm) Overall Height	
547H0842SS	37-3/8" (949mm)
547H0848SS	43-3/8" (1102mm)
547H0860SS	55-3/8" (1407mm)
547H0872SS	67-3/8" (1711mm)
547H0896SS	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H0942SS	37-3/8" (949mm)
547H0948SS	43-3/8" (1102mm)
547H0960SS	55-3/8" (1407mm)
547H0972SS	67-3/8" (1711mm)
547H0996SS	91-3/8" (2321mm)

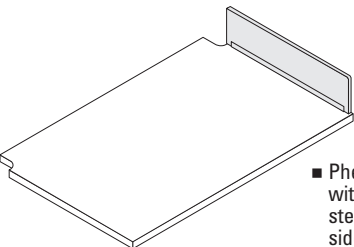
Glass Sidesplash Panels  
for Rear Frame Assemblies



- Laminated safety glass sidesplash panel with powdercoated steel or stainless steel bottom channel – right or left side
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- Extended leadtime item/minimum quantity requirements
- **UL 962 Listed**

Product No.	Width
Powdercoated Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
549H6606	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6613	26-3/4" (680mm)
Stainless Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
549H6606SS	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6613SS	26-3/4" (680mm)

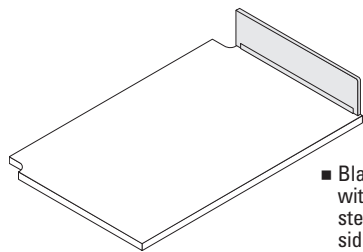
Phenolic Resin Sidesplash Panels  
for Rear Frame Assemblies



- Phenolic Resin sidesplash panel with powdercoated steel or stainless steel bottom channel – right or left side
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- **UL 962 Listed**

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6702	26-3/4" (680mm)
3-7/8" (98mm) Overall Height	
549H6704	26-3/4" (680mm)
5-7/8" (149mm) Overall Height	
549H6706	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6713	26-3/4" (680mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6702SS	26-3/4" (680mm)
3-7/8" (98mm) Overall Height	
549H6704SS	26-3/4" (680mm)
5-7/8" (149mm) Overall Height	
549H6706SS	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6713SS	26-3/4" (680mm)

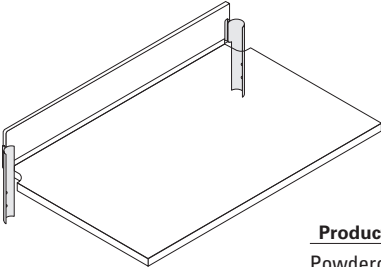
Epoxy Resin Sidesplash Panels for Rear Frame Assemblies



- Black Epoxy Resin sidesplash panel with powdercoated steel or stainless steel bottom channel – right or left side
- 1/2" (13mm) thick
- See page 59 for attachment brackets
- **UL 962 Listed**

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6802	26-3/4" (680mm)
3-7/8" (98mm) Overall Height	
549H6804	26-3/4" (680mm)
5-7/8" (149mm) Overall Height	
549H6806	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6813	26-3/4" (680mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6802SS	26-3/4" (680mm)
3-7/8" (98mm) Overall Height	
549H6804SS	26-3/4" (680mm)
5-7/8" (149mm) Overall Height	
549H6806SS	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6813SS	26-3/4" (680mm)

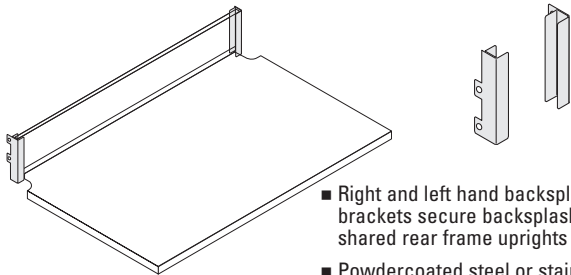
Backsplash Brackets for Tubular Rear Frame



- Right and left hand backsplash brackets secure backsplash panel to tubular rear frame uprights
- Powdercoated steel or stainless steel
- **UL 962 Listed**

Product No.	Right/Left Hand
Powdercoated Steel Bracket	
549H6902	Left Hand
549H6905	Right Hand
Stainless Steel Bracket	
549H6902SS	Left Hand
549H6905SS	Right Hand

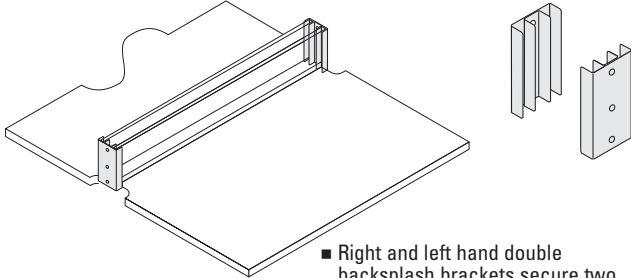
Backsplash Brackets When Used with Shared Rear Frame



- Right and left hand backsplash brackets secure backsplash panel to shared rear frame uprights
- Powdercoated steel or stainless steel
- **UL 962 Listed**

Product No.	
Powdercoated Steel Bracket	
547H0500	One Pair
Stainless Steel Bracket	
547H0500SS	One Pair

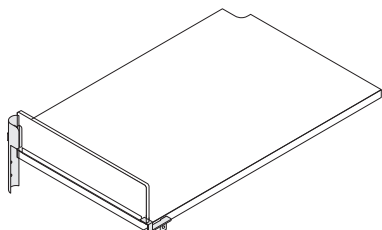
Double Backsplash Brackets When Used with Shared Rear Frame



- Right and left hand double backsplash brackets secure two backsplash panels to shared rear frame uprights
- Powdercoated steel or stainless steel
- **UL 962 Listed**

Product No.	
Powdercoated Steel Bracket	
547H0501	One Pair
Stainless Steel Bracket	
547H0501SS	One Pair

### Sidesplash Brackets – Left Hand for Tubular Rear Frame

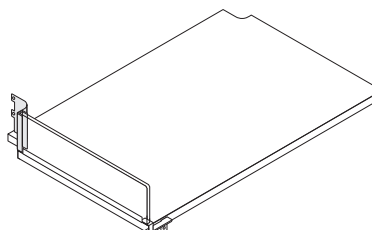


- Left hand sidesplash bracket secures sidesplash panel to tubular rear frame uprights and table frame
- Includes rear tubular and front frame bracket
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No.

Powdercoated Steel Bracket  
549H6901  
Stainless Steel Bracket  
549H6901SS

### Sidesplash Brackets – Left Hand for Shared Rear Frame

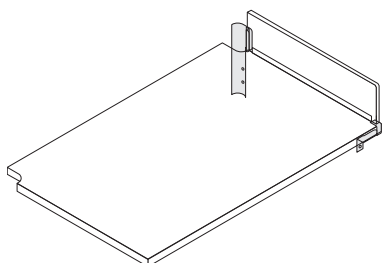


- Left hand sidesplash bracket secures sidesplash panel to shared rear frame uprights and table frame
- Includes rear tubular and front frame bracket
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No.

Powdercoated Steel Bracket  
547H0502  
Stainless Steel Bracket  
547H0502SS

### Sidesplash Brackets – Right Hand for Tubular Rear Frame

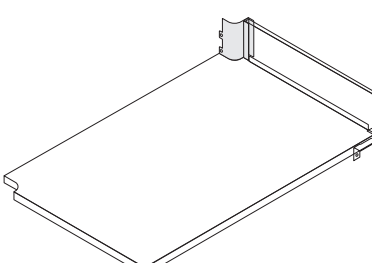


- Right hand sidesplash bracket secures sidesplash panel to tubular rear frame uprights and table frame
- Includes rear tubular and front frame bracket
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No.

Powdercoated Steel Bracket  
549H6904  
Stainless Steel Bracket  
549H6904SS

### Sidesplash Brackets – Right Hand for Shared Rear Frame

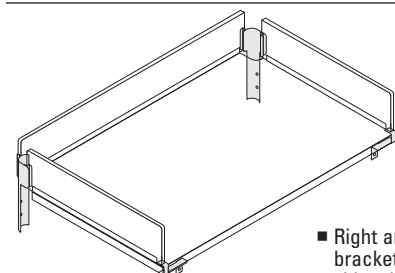


- Right hand sidesplash bracket secures sidesplash panel to shared rear frame uprights and table frame
- Includes rear tubular and front frame bracket
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No.

Powdercoated Steel Bracket  
547H0503  
Stainless Steel Bracket  
547H0503SS

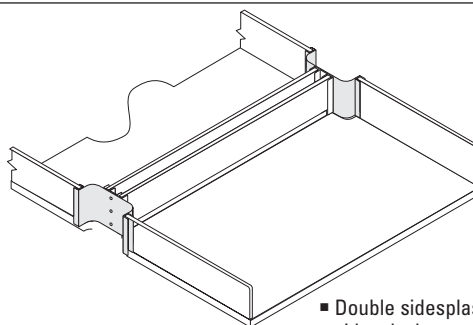
### Back/Sidesplash Brackets for Tubular Rear Frame



- Right and left hand back/sidesplash brackets secure backsplash and sidesplash panels to tubular rear frame uprights and front table frame
- Includes rear tubular and front frame bracket for right or left hand side
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No. Right/Left Hand

Powdercoated Steel Bracket	
549H6903	Left Hand
549H6906	Right Hand
Stainless Steel Bracket	
549H6903SS	Left Hand
549H6906SS	Right Hand



- Double sidesplash brackets secure sidesplash panels to shared rear frame uprights and front table frame
- Includes one pair of double brackets and front frame brackets for right and left hand side
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No.

Powdercoated Steel Bracket	
547H0504	One Pair
Stainless Steel Bracket	
547H0504SS	One Pair

Hamilton Scientific Concept fume hoods incorporate the latest innovations in performance features, enhancements and styling. Hamilton Concept is constructed of durable materials and finishes specific to the rigors of the laboratory and is designed to provide superior value throughout the life of the product.

For available fume hood service fixtures and for additional airflow products refer to the Hamilton Scientific Fume Hood Product Specification catalog.

**Fume Hood**  
**Superstructures** ..... p. 69-70

**Ceiling**  
**Enclosures** ..... p. 71-72

**Bench Frames** ..... p. 73

**Work Surfaces** ..... p. 74

Fumehoods in this section are classified under UL 1805





**Hamilton Concept Fume Hood Features:**

- 35" sash viewing height
- AutoSash automatic positioning system – the sash locks in the set-up position and automatically returns to the maximum operational height when the lock is released
- Improved combination sash – features top-hung frameless sash panels with ball-bearing rollers for smooth operation
- Low profile airfoil – obstruction-free access to the hood interior
- Chain-drive sash counterbalance system
- Preset baffle system – no adjustment required
- Designed for 60 to 100 feet-per-minute face velocities
- Downdraft bypass – air flows through the bypass area with increased volume and less resistance for quieter operation
- UL 1805 Classified

For Work Surfaces see Page 59

For Fixture Options for Concept fume hoods and additional airflow products, refer to the Hamilton Scientific Fume Hood Product Specification Catalog

### Hamilton Concept Fume Hood Superstructures with Wood Upper and Side Panels



- Restricted bypass combination sash fume hood superstructure with powdercoated or stainless steel front and wood upper and side panels
- Plugged holes for fixtures
- 37-1/4" (946mm) depth (Upper air chamber adds 4-1/2" (115mm) to depth)

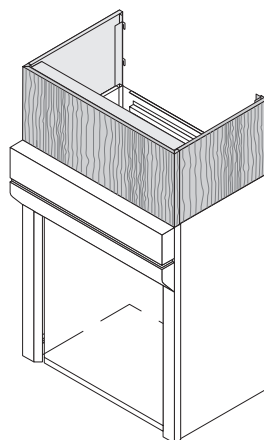
Product No.	Width
<b>Powdercoated Steel Front</b>	
61L2750PB_DC	48" (1219mm)
61L2751PB_DC	60" (1524mm)
61L2752PB_DC	72" (1829mm)
61L2754PB_DC	96" (2438mm)
<b>Stainless Steel Front</b>	
61L2750PB_DS	48" (1219mm)
61L2751PB_DS	60" (1524mm)
61L2752PB_DS	72" (1829mm)
61L2754PB_DS	96" (2438mm)

**\*End panel suffix legend**

Suffix	Panel Quantity
U	0
B	2
L	1
R	1

Place the appropriate suffix letter in the ninth position of the product number to indicate end panel quantity and placement

### Wood Ceiling Enclosures for Fume Hood Superstructures



- Wood front and side ceiling enclosure panels

Product No.	Height
<b>Front Ceiling Enclosure panel</b>	
48" (1219mm) Width	
54W48170FCSE	17-1/2" (445mm)
54W48200FCSE	20-1/2" (521mm)
54W48280FCSE	28-1/2" (724mm)
54W48320FCSE	32-1/2" (826mm)
60" (1524mm) Width	
54W60170FCSE	17-1/2" (445mm)
54W60200FCSE	20-1/2" (521mm)
54W60280FCSE	28-1/2" (724mm)
54W60320FCSE	32-1/2" (826mm)
72" (1829mm) Width	
54W72170FCSE	17-1/2" (445mm)
54W72200FCSE	20-1/2" (521mm)
54W72280FCSE	28-1/2" (724mm)
54W72320FCSE	32-1/2" (826mm)
96" (2438mm) Width	
54W96170FCSE	17-1/2" (445mm)
54W96200FCSE	20-1/2" (521mm)
54W96280FCSE	28-1/2" (724mm)
54W96320FCSE	32-1/2" (826mm)
<b>Side Ceiling Enclosure Panel (Right and Left Sides are Interchangeable)</b>	
36-1/2" (927mm) Depth	
54W37170ECEP	17-1/2" (445mm)
54W37200ECEP	20-1/2" (521mm)
54W37280ECEP	28-1/2" (724mm)
54W37320ECEP	32-1/2" (826mm)



### Hamilton Concept Fume Hood Superstructures with Steel Upper and Side Panels

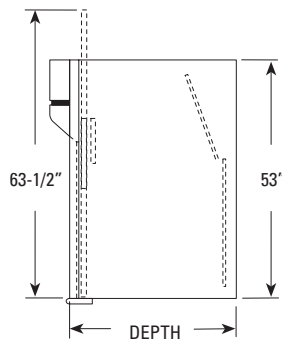
- Vertical rising unframed sash or combination sash fume hood superstructure with powdercoated steel front and side panels
- Plugged holes for fixtures
- Three depths: 31-1/4" (794mm), 37-1/4" (946mm) and 43-1/4" (1099mm)  
(Upper air chamber adds 4-1/2" (115mm) to depth)
- Side panels included



Product Numbers			
31-1/4" Depth	37-1/4" Depth	43-1/4" Depth	Width
Bypass Vertical Rising Unframed Sash			
54L2570P0	61L2570P0	62L2570P0	48" (1219mm)
54L2571P0	61L2571P0	62L2571P0	60" (1524mm)
54L2572P0	61L2572P0	62L2572P0	72" (1829mm)
54L2574P0	61L2574P0	62L2574P0	96" (2438mm)
Restricted Bypass Vertical Rising Unframed Sash			
54L2750P0	61L2750P0	62L2750P0	48" (1219mm)
54L2751P0	61L2751P0	62L2751P0	60" (1524mm)
54L2752P0	61L2752P0	62L2752P0	72" (1829mm)
54L2754P0	61L2754P0	62L2754P0	96" (2438mm)
Restricted Bypass Combination Sash			
54L2750PB	61L2750PB	62L2750PB	48" (1219mm)
54L2751PB	61L2751PB	62L2751PB	60" (1524mm)
54L2752PB	61L2752PB	62L2752PB	72" (1829mm)
54L2754PB	61L2754PB	62L2754PB	96" (2438mm)



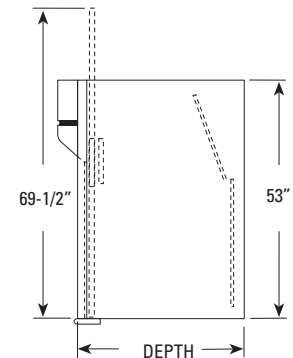
Front View with Unframed Sash



End View with Unframed Sash



Front View with Combination Sash



End View with Combination Sash

### Exhaust Volumes

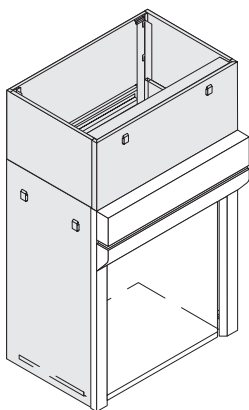
#### Hamilton Concept Fume Hood with Vertical Sash

Hood Width	Exhaust Volume	Vertical Sash Opening Height	Face Velocity	Static Pressure	Exhaust Collar Size
48"	484	18 28.5*	100 60	.09"	6" x 15"
60"	634	18 28.5*	100 60	.09"	6" x 23"
72"	784	18 28.5*	100 60	.13"	6" x 23"
96"	1084	18 28.5*	100 60	.09"	6" x 30"

#### Hamilton Concept Fume Hood with Combination Sash

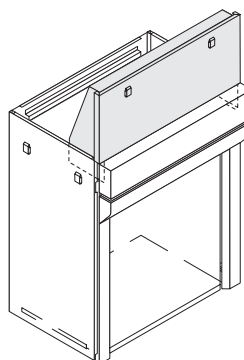
Hood Width	Exhaust Volume	Vertical Sash Height	Sash Opening			Face Velocity		Static Pressure	Exhaust Collar Size
			Horizontal Sash Opening	Sliding Sash Panels		Vertical (Nominal)	Horizontal		
48"	400	18 24*	27 x 17.375	2		80 60	100	.07"	6" x 15"
60"	540	18 24*	27 x 23.375	2		80 60	100	.07"	6" x 23"
72"	650	18 24*	27 x 28.250	4		80 60	100	.11"	6" x 23"
96"	930	18 24*	27 x 40.250	4		80 60	100	.07"	6" x 30"

\*28-1/2" and 24" opening is for set-up only; operating position is an 18" high sash opening.



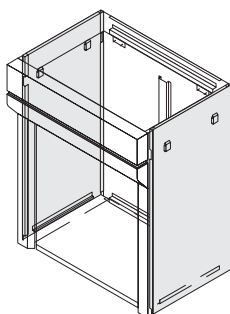
- Enclosure panels for front, both sides and back of fume hood superstructure. Encloses space between top of superstructure and ceiling.
- Made of steel, finished to match hood superstructure.
- Installation hardware included.

### Front Ceiling and Sash Enclosure Panels for Hamilton Concept Fume Hood Only



- Use to enclose space between front top and ceiling of fume hood superstructure, also provides enclosure for raised sash.

### Replacement Side Enclosure Panels

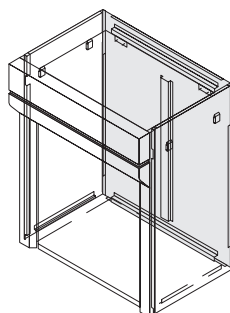


- Use to enclose one or both sides of Concept fume hood superstructure.

Product No.	Hood Depth
54L31530FHEP	31-1/4" (794mm)
54L37530FHEP	37-1/4" (946mm)
54L43530FHEP	43-1/4" (1099mm)

Product No.	Hood Width	Height
54L48170FCSE	48" (1219mm)	17-1/2" (445mm)
54L48200FCSE	48" (1219mm)	20-1/2" (521mm)
54L48280FCSE	48" (1219mm)	28-1/2" (724mm)
54L48320FCSE	48" (1219mm)	32-1/2" (826mm)
54L60170FCSE	60" (1524mm)	17-1/2" (445mm)
54L60200FCSE	60" (1524mm)	20-1/2" (521mm)
54L60280FCSE	60" (1524mm)	28-1/2" (724mm)
54L60320FCSE	60" (1524mm)	32-1/2" (826mm)
54L72170FCSE	72" (1829mm)	17-1/2" (445mm)
54L72200FCSE	72" (1829mm)	20-1/2" (521mm)
54L72280FCSE	72" (1829mm)	28-1/2" (724mm)
54L72320FCSE	72" (1829mm)	32-1/2" (826mm)
54L96170FCSE	96" (2438mm)	17-1/2" (445mm)
54L96200FCSE	96" (2438mm)	20-1/2" (521mm)
54L96280FCSE	96" (2438mm)	28-1/2" (724mm)
54L96320FCSE	96" (2438mm)	32-1/2" (826mm)

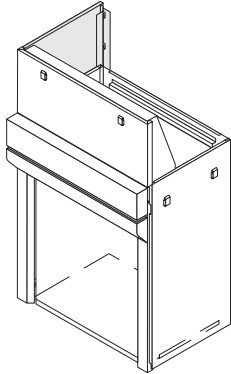
### Lower Back Enclosure Panels



- Use to enclose back of fume hood superstructure.

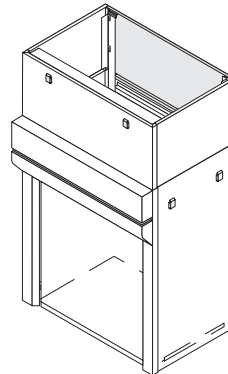
Product No.	Hood Width
54L48530LBEP	48" (1219mm)
54L60530LBEP	60" (1524mm)
54L72530LBEP	72" (1829mm)
54L96530LBEP	96" (2438mm)

### Left Ceiling Enclosure Panels



- Use to enclose space at left side of hood between lower left side panel and ceiling.
- Requires front ceiling and sash enclosure panels.

### Upper Back Ceiling Enclosure Panels

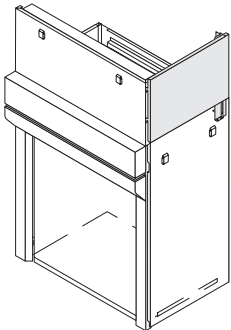


- Use to enclose space between lower back panel and ceiling of fume hood superstructure.
- Requires front ceiling and sash enclosure, left and right ceiling enclosure panels.

Product No.	Hood Depth	Height
54L31170LCEP	31-1/4" (794mm)	17-1/2" (445mm)
54L37170LCEP	37-1/4" (946mm)	17-1/2" (445mm)
54L43170LCEP	43-1/4" (1099mm)	17-1/2" (445mm)
54L31200LCEP	31-1/4" (794mm)	20-1/2" (521mm)
54L37200LCEP	37-1/4" (946mm)	20-1/2" (521mm)
54L43200LCEP	43-1/4" (1099mm)	20-1/2" (521mm)
54L31280LCEP	31-1/4" (794mm)	28-1/2" (724mm)
54L37280LCEP	37-1/4" (946mm)	28-1/2" (724mm)
54L43280LCEP	43-1/4" (1099mm)	28-1/2" (724mm)
54L31320LCEP	31-1/4" (794mm)	32-1/2" (826mm)
54L37320LCEP	37-1/4" (946mm)	32-1/2" (826mm)
54L43320LCEP	43-1/4" (1099mm)	32-1/2" (826mm)

Product No.	Hood Depth	Height
54L48170UBCE	48" (1219mm)	17-1/2" (445mm)
54L48200UBCE	48" (1219mm)	20-1/2" (521mm)
54L48280UBCE	48" (1219mm)	28-1/2" (724mm)
54L48320UBCE	48" (1219mm)	32-1/2" (826mm)
54L60170UBCE	60" (1524mm)	17-1/2" (445mm)
54L60200UBCE	60" (1524mm)	20-1/2" (521mm)
54L60280UBCE	60" (1524mm)	28-1/2" (724mm)
54L60320UBCE	60" (1524mm)	32-1/2" (826mm)
54L72170UBCE	72" (1829mm)	17-1/2" (445mm)
54L72200UBCE	72" (1829mm)	20-1/2" (521mm)
54L72280UBCE	72" (1829mm)	28-1/2" (724mm)
54L72320UBCE	72" (1829mm)	32-1/2" (826mm)
54L96170UBCE	96" (2438mm)	17-1/2" (445mm)
54L96200UBCE	96" (2438mm)	20-1/2" (521mm)
54L96280UBCE	96" (2438mm)	28-1/2" (724mm)
54L96320UBCE	96" (2438mm)	32-1/2" (826mm)

### Right Ceiling Enclosure Panels



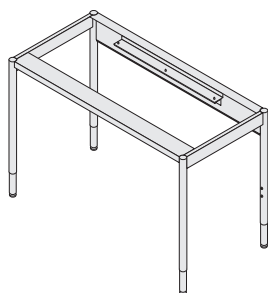
- Use to enclose space at right side of hood between lower right side panel and ceiling.
- Requires front ceiling and sash enclosure panels.

Product No.	Hood Depth	Height
54L31170RCEP	31-1/4" (794mm)	17-1/2" (445mm)
54L37170RCEP	37-1/4" (946mm)	17-1/2" (445mm)
54L43170RCEP	43-1/4" (1099mm)	17-1/2" (445mm)
54L31200RCEP	31-1/4" (794mm)	20-1/2" (521mm)
54L37200RCEP	37-1/4" (946mm)	20-1/2" (521mm)
54L43200RCEP	43-1/4" (1099mm)	20-1/2" (521mm)
54L31280RCEP	31-1/4" (794mm)	28-1/2" (724mm)
54L37280RCEP	37-1/4" (946mm)	28-1/2" (724mm)
54L43280RCEP	43-1/4" (1099mm)	28-1/2" (724mm)
54L31320RCEP	31-1/4" (794mm)	32-1/2" (826mm)
54L37320RCEP	37-1/4" (946mm)	32-1/2" (826mm)
54L43320RCEP	43-1/4" (1099mm)	32-1/2" (826mm)

**Installation Information:** With suspended ceilings, it is suggested that the enclosure assembly extend to the bottom of the ceiling. The hung ceiling should extend over the top of the hood and be trimmed around the mechanical connections to ensure proper room pressure control of the HVAC system.

- Stainless steel or powdercoated steel finish
- Height adjustments are 31", 33", 35" and 37"
- 2" tubular legs with levelers
- Modesty panel is optional, see Accessories section
- For lower cabinets, see Lower Storage section

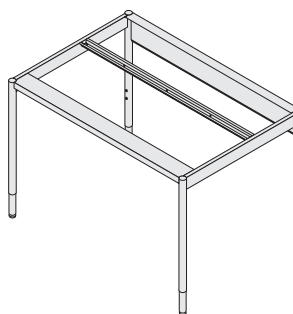
### Four-Post Fume Hood Bench Frames



- Adjustable height table frame for supporting a fume hood
- Depth: 29"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8148	47-3/4" (1213mm)
549H8160	59-3/4" (1518mm)
549H8172	71-3/4" (1822mm)

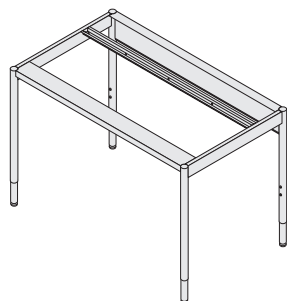
<b>Stainless Steel Frame</b>	
549H8148SS	47-3/4" (1213mm)
549H8160SS	59-3/4" (1518mm)
549H8172SS	71-3/4" (1822mm)



- Adjustable height table frame for supporting a fume hood
- Depth: 41"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8348	47-3/4" (1213mm)
549H8360	59-3/4" (1518mm)
549H8372	71-3/4" (1822mm)

<b>Stainless Steel Frame</b>	
549H8348SS	47-3/4" (1213mm)
549H8360SS	59-3/4" (1518mm)
549H8372SS	71-3/4" (1822mm)



- Adjustable height table frame for supporting a fume hood
- Depth: 35"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8248	47-3/4" (1213mm)
549H8260	59-3/4" (1518mm)
549H8272	71-3/4" (1822mm)

<b>Stainless Steel Frame</b>	
549H8248SS	47-3/4" (1213mm)
549H8260SS	59-3/4" (1518mm)
549H8272SS	71-3/4" (1822mm)

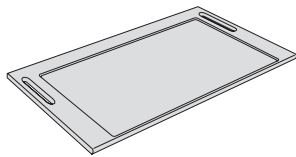
## Common Features:

- Work surfaces for or use with Hamilton Concept fume hood assemblies.
- Black epoxy resin work surface
- Cupsink cutouts sized for product number 34L132 polyolefin cupsinks. Special cutouts must be specified if alternate cupsinks are selected.
- 1-1/4" (32mm) thick.

## Ordering Information:

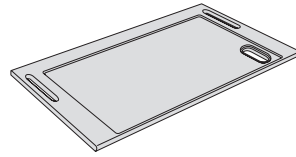
- Cutout only included; cupsinks and other service fixtures must be ordered separately.
- Piping pass-through cutouts are symmetrical

## Epoxy Resin Work Surfaces for Concept Fume Hoods



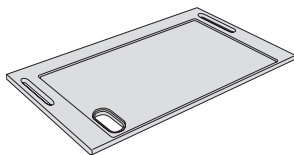
■ Without cupsink cutouts

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
48" (1219mm)	21L4826000	21L4832000	21L4838000
60" (1524mm)	21L6026000	21L6032000	21L6038000
72" (1829mm)	21L7226000	21L7232000	21L7238000
96" (2438mm)	21L9626000	21L9632000	21L9638000



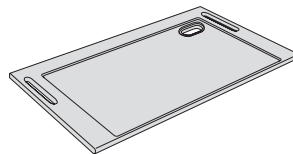
■ With right front cupsink cutout

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
48" (1219mm)	21L48261RF	21L48321RF	21L48381RF
60" (1524mm)	21L60261RF	21L60321RF	21L60381RF
72" (1829mm)	21L72261RF	21L72321RF	21L72381RF
96" (2438mm)	21L96261RF	21L96321RF	21L96381RF



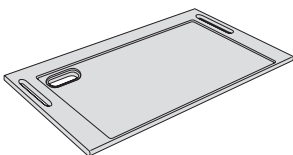
■ With left front cupsink cutout

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
48" (1219mm)	21L48261LF	21L48321LF	21L48381LF
60" (1524mm)	21L60261LF	21L60321LF	21L60381LF
72" (1829mm)	21L72261LF	21L72321LF	21L72381LF
96" (2438mm)	21L96261LF	21L96321LF	21L96381LF



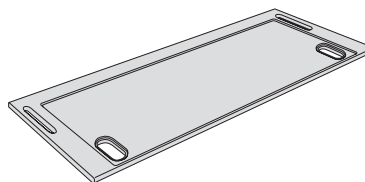
■ With right rear cupsink cutout

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
48" (1219mm)	21L48261RR	21L48321RR	21L48381RR
60" (1524mm)	21L60261RR	21L60321RR	21L60381RR
72" (1829mm)	21L72261RR	21L72321RR	21L72381RR
96" (2438mm)	21L96261RR	21L96321RR	21L96381RR



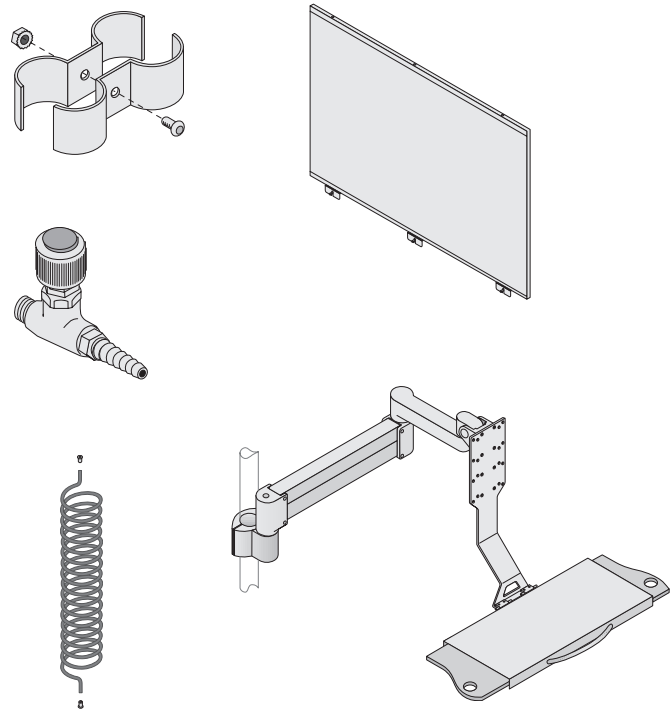
■ With left rear cupsink cutout

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
48" (1219mm)	21L48261LR	21L48321LR	21L48381LR
60" (1524mm)	21L60261LR	21L60321LR	21L60381LR
72" (1829mm)	21L72261LR	21L72321LR	21L72381LR
96" (2438mm)	21L96261LR	21L96321LR	21L96381LR



■ With two front cupsink cutouts

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
96" (2438mm)	21L96262BF	21L96322BF	21L96382BF



**Service Fixtures** .....p. 76

**Task Lights**.....p. 77

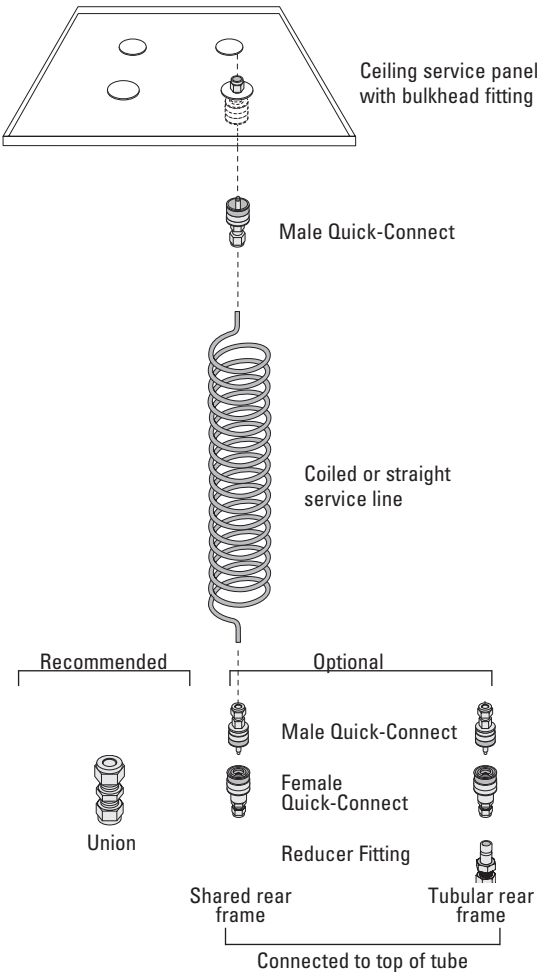
**LCD Arm** .....p. 77

**Back-To-Back Mounting Kit**.....p. 77

**Modesty Panels** .....p. 78

**Bulletin Boards**.....p. 78-80

**Ceiling Service Panels** .....p. 81



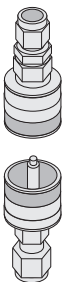
Coiled Service Line Assembly



- Coiled service line
- Milky white 3/8" O.D. nylon tubing
- For use with tubular and shared rear frames
- Brass or stainless steel fitting can be connected to this tubing
- For use with non-burning gas but not vacuum

Product No.	
547H0544	84" (working length)

Quick Disconnect Assemblies



- 3/8" Bulkhead fitting for ceiling panel
- Includes nipple and coupler – each have a color-keyed band

Product No.	Band Color	
For Tubular Rear Frame and Shared Rear Frame		
547H0513	Black – He	Nickel Plated Brass
547H0514	Orange – Air	Nickel Plated Brass
547H0516	Yellow – Vac	Nickel Plated Brass
547H0517	Blue – Gas	Nickel Plated Brass
547H0519	Violet – Ar	Nickel Plated Brass
547H0520	Brown – N <sub>2</sub>	Nickel Plated Brass
547H0553	White – Burning Gas	Stainless Steel
	UL Listed	

**Note:** The blue band can be used with multiple gases. Consult factory for user defined gases.

- 3/8" Quick disconnect fitting for tube ends
- Includes nipple and coupler for rear frame – each have a color-keyed band

Product No.	Band Color	
For Tubular Rear Frame and Shared Rear Frame		
547H0505	Black – He	Nickel Plated Brass
547H0506	Orange – Air	Nickel Plated Brass
547H0508	Yellow – Vac	Nickel Plated Brass
547H0509	Blue – Gas	Nickel Plated Brass
547H0511	Violet – Ar	Nickel Plated Brass
547H0512	Brown – N <sub>2</sub>	Nickel Plated Brass
547H0552	White – Burning Gas	Stainless Steel
	UL Listed	

Straight Service Line Assembly



- Milky white 3/8" O.D. polyethylene tubing
- For use with non-burning gases and vacuum
- For use with tubular and shared rear frames
- Brass or stainless steel fitting can be connected to this tubing

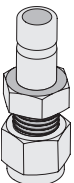
Product No.	Length
547H0542	60" (1524mm)



- Braided stainless steel with 3/8" O.D. tube stubs
- For use with natural gas
- For use with tubular and shared rear frames
- Only to be used with stainless steel fittings

Product No.	Length
547H0523	48" (1219mm)

Reducer Fitting – 3/8" to 1/4"



- Connecting quick disconnect to service line on tubular rear frame

Product No.	
547H0549	Nickel Plated Brass
547H0549SS	316 Stainless Steel

### Union, Tube-to-Tube for Tubular and Shared Rear Frames

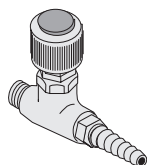


- For connecting the internal tubing to straight or coiled lines

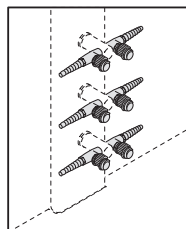
Product No.	(Shared Frames)
547H0526	(3/8" to 3/8") Brass
547H0526SS	(3/8" to 3/8") Stainless Steel

Product No.	(Tubular Frames)
547H0540	(1/4" to 3/8") Brass
547H0540SS	(1/4" to 3/8") Stainless Steel

### Service Fixture

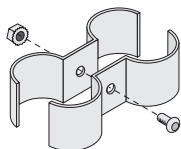


- Service fixture connects to fitting in tubular upright
- Includes a color-keyed index button on handle
- For natural gas applications on the shared rear frame, it is recommended that the tubing, elbow and top fixture stem location be stainless steel. Contact the factory for assistance.



Product No.	Service	Color
549H0234	White – Burning Gas	Chrome Plated Brass
549H0236	Brown – N <sub>2</sub>	Chrome Plated Brass
549H0237	Orange – Air	Chrome Plated Brass
549H0238	Yellow – Vac	Chrome Plated Brass
549H0239	Blue – Gas	Chrome Plated Brass
549H0252	Black – He	Chrome Plated Brass
549H0253	Violet – Ar	Chrome Plated Brass

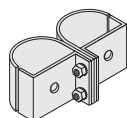
### Back-To-Back Mounting Kit



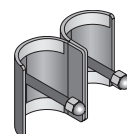
- Use to secure two tubular rear frame assemblies back-to-back – two kits are required for each frame assembly
- Powdercoated steel or stainless steel
- The 5/16" diameter hardware for connecting top of tubular frames is user supplied.
- Hardware included with instructions

Product No.	Material
549H0201	Powdercoated Steel
549H0201SS	Stainless Steel

### Side-To-Side Mounting Kit

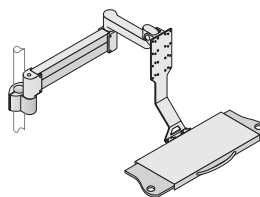


- Use to secure two tubular rear frame assemblies side-to-side – one kit is required for each pair of frames
- Powdercoated steel or stainless steel
- Hardware included



Product No.	Material
Front post-side to side bracket	
549H0248	Powdercoated Steel
549H0248SS	Stainless Steel
Back post-side to side bracket	
549H0249	Powdercoated Steel
549H0249SS	Stainless Steel

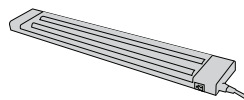
### LCD Arm



- Fully adjustable arm and keyboard holder with right or left slide-out mouse pad platform
- Bracket attaches to rear frame upright
- Black finish

Product No.
549H0247

### Task Lights



- Black fixture housing
- 2 each T5 4200k Tubes
- UL Listed, includes diffuser
- Gangable up to 10 units maximum with optional jumper cable
- 100 fc at 18" from light to worktop in complete darkness
- 40 fc at 30" from light to worktop in complete darkness
- Stick-on wire management kits with each fixture
- Mechanical screws are included

Product No.	Length
548H1708BK	16" (406mm)
548H1709BK	25" (635mm)
548H1710BK	38" (966mm)
548H1711BK	50" (1270mm)

### Starter Lead (black)

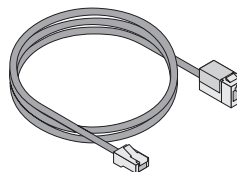
Product No.	Length
548H1716BK	30" (762mm)

### Jumper Cable (black)

Product No.	Length
548H1714BK	15" (381mm)
548H1715BK	30" (762mm)

### Data Cable Assemblies Shared Rear Frames

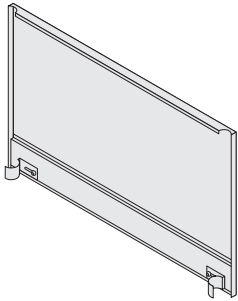
for



- Use to connect telephone and data outlets
- Order 4 CAT6 cables
- Cables are equipped with one male plug end (ceiling service panel) and one female plug end (rear leg outlet)
- Cables will extend from the outlets in the frame upright, up inside the upright, across the top horizontal support and four-feet above the top of the upright
- Order separately for field installation

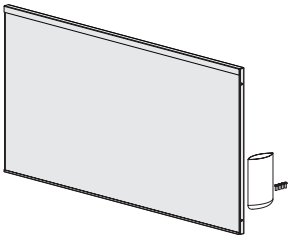
Product No.	Length
CAT6 Cables for data or phone	
547H0532	42" (1065mm)
547H0533	48" (1219mm)
547H0534	60" (1524mm)
547H0535	72" (1827mm)
547H0536	96" (2437mm)



**Modesty Panel for Tubular Rear Frame Assembly**

- Mounts to tubular rear frame assembly below counter top
- Powdercoated steel or stainless steel
- Height is 19" (483mm)
- Hardware included

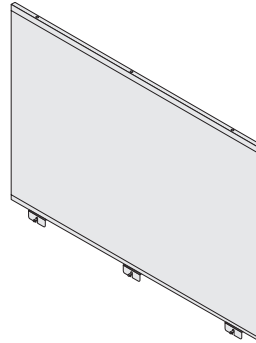
Product No.	Width
<b>Powdercoated Steel</b>	
549H7342	42" (1065mm)
549H7348	48" (1219mm)
549H7360	60" (1524mm)
549H7372	72" (1827mm)
549H7396	96" (2437mm)
<b>Stainless Steel</b>	
549H7342SS	42" (1065mm)
549H7348SS	48" (1219mm)
549H7360SS	60" (1524mm)
549H7372SS	72" (1827mm)
549H7396SS	96" (2437mm)

**Modesty Panel for Shared Rear Frame Assembly**

- Mounts to shared rear frame assembly below counter top (side mounts to vertical frame)
- Powdercoated steel or stainless steel
- Height is 19" (483mm)
- Hardware included

Product No.	Width
<b>Powdercoated Steel</b>	
547H0442	37-5/8" (957mm)
547H0448	43-5/8" (1110mm)
547H0460	55-5/8" (1414mm)
547H0472	67-5/8" (1719mm)
547H0496	91-5/8" (2329mm)
<b>Stainless Steel</b>	
547H0442SS	37-5/8" (957mm)
547H0448SS	43-5/8" (1110mm)
547H0460SS	55-5/8" (1414mm)
547H0472SS	67-5/8" (1719mm)
547H0496SS	91-5/8" (2329mm)

- Bulletin boards are dyed linoleum material framed in either powdercoated painted or stainless steel.
- Specify one of the following color options:
  - BC2 Champagne
  - BC27 Slate Grey
  - BC16 Graphite

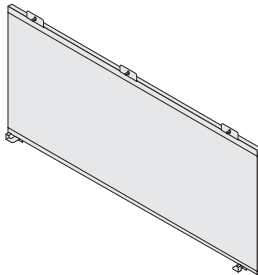
**Bulletin Board Assemblies for Tubular Rear Frame Assemblies**

- Mounts to rear frame above electrical raceway
- Powdercoated or stainless steel frame
- Height is 28-1/4" (718mm)
- Hardware included

Product No.	Width
<b>Powdercoated Steel Frame</b>	
549H8642	42" (1065mm)
549H8648	48" (1219mm)
549H8660	60" (1524mm)
549H8672	72" (1827mm)
549H8696	96" (2437mm)
<b>Stainless Steel Frame</b>	
549H8642SS	42" (1065mm)
549H8648SS	48" (1219mm)
549H8660SS	60" (1524mm)
549H8672SS	72" (1827mm)
549H8696SS	96" (2437mm)

- Bulletin boards are a dyed linoleum material framed in either powdercoated painted steel or stainless steel.
- Specify one of the following color options:
  - BC2 Champagne
  - BC27 Slate Grey
  - BC16 Graphite

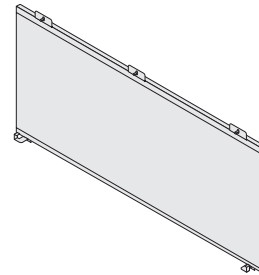
### Bulletin Board Assemblies for Tubular Rear Frame Assemblies (Continued)



- Mounts to rear frame below electrical raceway
- Accommodates 3/4" to 1" work surfaces
- Powdercoated steel frame
- Four height dimensions
- Hardware included

Product No.	Width
<b>Powdercoated Steel Frame</b>	
16" (405mm) Height, 37" above finished floor	
549H7542	42" (1065mm)
549H7548	48" (1219mm)
549H7560	60" (1524mm)
549H7572	72" (1827mm)
549H7596	96" (2437mm)
18" (456mm) Height, 35" above finished floor	
549H7642	42" (1065mm)
549H7648	48" (1219mm)
549H7660	60" (1524mm)
549H7672	72" (1827mm)
549H7696	96" (2437mm)
20" (506mm) Height, 33" above finished floor	
549H7742	42" (1065mm)
549H7748	48" (1219mm)
549H7760	60" (1524mm)
549H7772	72" (1827mm)
549H7796	96" (2437mm)
22" (557mm) Height, 31" above finished floor	
549H7842	42" (1065mm)
549H7848	48" (1219mm)
549H7860	60" (1524mm)
549H7872	72" (1827mm)
549H7896	96" (2437mm)

### Bulletin Board Assemblies for Tubular Rear Frame Assemblies (Continued)

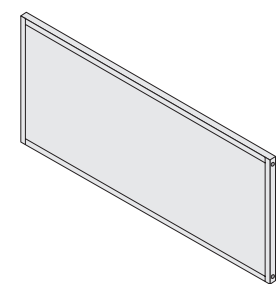


- Mounts to rear frame below electrical raceway
- Accommodates 3/4" to 1" work surfaces
- Stainless steel frame
- Four height dimensions
- Hardware included

Product No.	Width
<b>Stainless Steel Frame</b>	
16" (405mm) Height, 37" above finished floor	
549H7542SS	42" (1065mm)
549H7548SS	48" (1219mm)
549H7560SS	60" (1524mm)
549H7572SS	72" (1827mm)
549H7596SS	96" (2437mm)
18" (456mm) Height, 35" above finished floor	
549H7642SS	42" (1065mm)
549H7648SS	48" (1219mm)
549H7660SS	60" (1524mm)
549H7672SS	72" (1827mm)
549H7696SS	96" (2437mm)
20" (506mm) Height, 33" above finished floor	
549H7742SS	42" (1065mm)
549H7748SS	48" (1219mm)
549H7760SS	60" (1524mm)
549H7772SS	72" (1827mm)
549H7796SS	96" (2437mm)
22" (557mm) Height, 31" above finished floor	
549H7842SS	42" (1065mm)
549H7848SS	48" (1219mm)
549H7860SS	60" (1524mm)
549H7872SS	72" (1827mm)
549H7896SS	96" (2437mm)

- Bulletin boards are a dyed linoleum material framed in either powdercoated painted steel or stainless steel.
- Specify one of the following color options:
  - BC2 Champagne
  - BC27 Slate Grey
  - BC16 Graphite

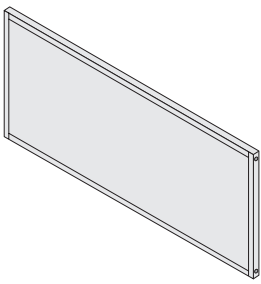
Powdercoated Steel Frame Bulletin Board Assemblies for Shared Rear Frame Assemblies



- Mounts between shared rear frame uprights
- Powdercoated steel frame
- Available in three heights
- Hardware included

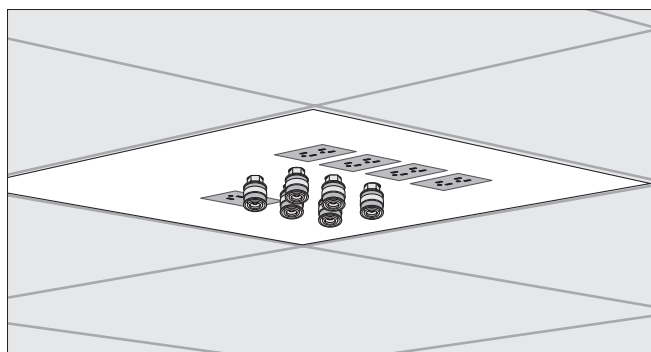
Product No.	Width
Powdercoated Steel Frame	
14-7/8" High	
547H1642	37-5/8" (857mm)
547H1648	43-5/8" (1109mm)
547H1660	55-5/8" (1414mm)
547H1672	67-5/8" (1719mm)
547H1696	91-5/8" (2328mm)
16-7/8" High	
547H1742	37-5/8" (857mm)
547H1748	43-5/8" (1109mm)
547H1760	55-5/8" (1414mm)
547H1772	67-5/8" (1719mm)
547H1796	91-5/8" (2328mm)
18-7/8" High	
547H1842	37-5/8" (857mm)
547H1848	43-5/8" (1109mm)
547H1860	55-5/8" (1414mm)
547H1872	67-5/8" (1719mm)
547H1896	91-5/8" (2328mm)
20-7/8" High	
547H1942	37-5/8" (857mm)
547H1948	43-5/8" (1109mm)
547H1960	55-5/8" (1414mm)
547H1972	67-5/8" (1719mm)
547H1996	91-5/8" (2328mm)

Stainless Steel Frame Bulletin Board Assemblies for Shared Rear Frame Assemblies



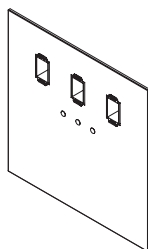
- Mounts between shared rear frame uprights
- Stainless steel frame
- Available in three heights
- Hardware included

Product No.	Width
Stainless Steel Frame	
14-7/8" High	
547H1642SS	37-5/8" (857mm)
547H1648SS	43-5/8" (1109mm)
547H1660SS	55-5/8" (1414mm)
547H1672SS	67-5/8" (1719mm)
547H1696SS	91-5/8" (2328mm)
16-7/8" High	
547H1742SS	37-5/8" (857mm)
547H1748SS	43-5/8" (1109mm)
547H1760SS	55-5/8" (1414mm)
547H1772SS	67-5/8" (1719mm)
547H1796SS	91-5/8" (2328mm)
18-7/8" High	
547H1842SS	37-5/8" (857mm)
547H1848SS	43-5/8" (1109mm)
547H1860SS	55-5/8" (1414mm)
547H1872SS	67-5/8" (1719mm)
547H1896SS	91-5/8" (2328mm)
20-7/8" High	
547H1942SS	37-5/8" (857mm)
547H1948SS	43-5/8" (1109mm)
547H1960SS	55-5/8" (1414mm)
547H1972SS	67-5/8" (1719mm)
547H1996SS	91-5/8" (2328mm)



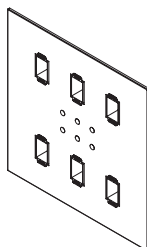
Ceiling panel typical view from below

### Ceiling Service Panels for Shared Rear Frame Assemblies



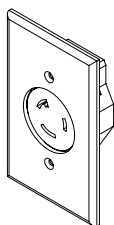
- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- Three electrical junction boxes and three service access holes
- Order service fixtures separately
- Color per order

**Product No.**  
547H0545



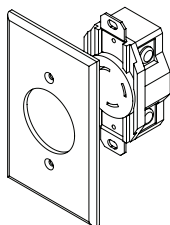
- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- Six electrical junction boxes and six service access holes
- Order service fixtures separately
- Color per order

**Product No.**  
547H0546



- Three prong outlet
- Twist lock 125V outlet assembly
- To be used with tubular rear frame assemblies

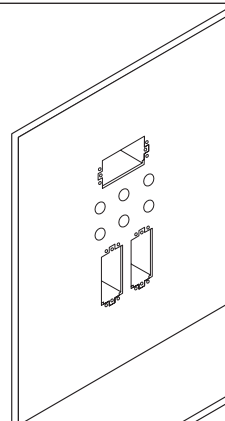
**Product No.**  
549H0246



- Four prong outlet
- Twist lock NEMA L14-20 outlet assembly
- To be used with shared rear frame assemblies

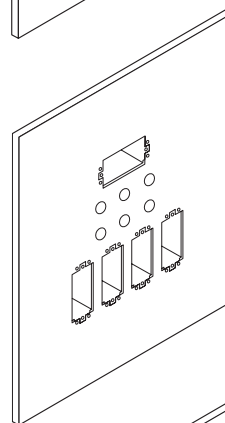
**Product No.**  
547H0547

### Ceiling Service Panels for Tubular Rear Frame Assemblies



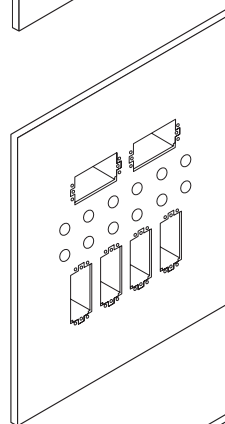
- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- For two-table, one-circuit arrangement
- Order service fixtures separately
- Color per order

**Product No.**  
549H0241



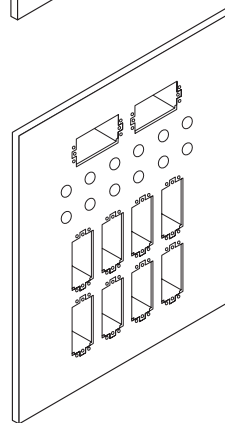
- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- For two-table, two-circuit arrangement
- Order service fixtures separately
- Color per order

**Product No.**  
549H0242



- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- For four-table, one-circuit arrangement
- Order service fixtures separately
- Color per order

**Product No.**  
549H0243



- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- For four-table, two-circuit arrangement
- Order service fixtures separately
- Color per order

**Product No.**  
549H0244

# Movable Bench Laboratory Furniture System – Specifications

## PART 1 GENERAL

### 1.00 SUMMARY

- A. Section Includes:
  - 1. Tables
  - 2. Support structures
  - 3. Shelves
  - 4. Mobile base cabinets
  - 5. Ceiling manifold system
- B. Related sections:
  - 1. Section 11610 - Laboratory Fume Hoods are a part of the work of this section.
  - 2. Section \_\_\_\_\_ - \_\_\_\_\_ : Furnishing and installation of plumbing utilities and final connections.
  - 3. Section \_\_\_\_\_ - \_\_\_\_\_ : Furnishing and installation of exhaust ductwork and equipment, and final connection to fume hood(s).
  - 4. Section \_\_\_\_\_ - \_\_\_\_\_ : Furnishing and installation of electrical utilities and final connections.

### 1.01 ALTERNATE PROPOSALS

Proposals are invited from alternate manufacturers only if they comply with the minimum design requirements and the minimum performance requirements set forth by SEFA and UL 962 standards. A notarized letter stating full compliance must be included in alternate proposals signed by an independent testing laboratory recognized by ASTM E 548 to ensure compliance.

A copy of UL (Underwriters Laboratories) certification must be submitted with any alternate proposal noting full compliance to UL 962 testing and approvals.

### 1.02 SYSTEM DESIGN REQUIREMENTS

- A. Modular dimensioned system of tubular frame style support structures, tables and cantilevered storage units.
- B. Tubular Frames: Support structure for tables, shelves and service chase for all service lines, data and electrical cables.
  - 1. Modular units shall be suitable for wall, peninsula or island configurations.
  - 2. Rear frame can be supported with structural tables or anchored to the wall structure.
  - 3. Equipped with easy to remove work surface frame. Work surface frame can accommodate "Add-A-Leg" members to function as a free standing structural table.
  - 4. Moveable bench system shall be pre-wired and pre-plumbed, equipped with cabling plug-ins and service line quick connects.
- C. Tables Frames: Modular, interchangeable work surface support structures in both frame attached and free standing adjustable height configurations.
  - 1. Adjustable height tables incorporate fixed mechanical adjustment.

- 2. Levelers are included on both free standing and adjustable height work surface frames.

#### D. System requirements:

- 1. The system shall consist of a welded framework with slotted uprights to support work surfaces and overhead shelving components and integrate with mobile undercounter cabinets.
- 2. Structural components are self-supporting and independent of the building structure.
- 3. Tubular frame structures support service fixtures, electrical/data outlets and supply lines utilizing the frame system as a utility chase.
- 4. The vertical height of table work surfaces and shelves can be adjusted from sitting to standing height in 2" increments.
- 5. All services (plumbing, power, phone and data) terminate at the top of the vertical support.
- 6. All support frames shall bolt together or to the wall at the top horizontal rail.
- 7. The bench system shall ship complete with minimal final assembly. Assembly shall be accomplished with simple hand tools.

### 1.03 SUBMITTALS

Include number of each type of submittal required if this information is not covered in Division 1 or elsewhere.

- A. Shop Drawings: Provide 3/4"=1'-0" scale elevations of all components, cross sections, rough-in and anchor placements, tolerances and clearances. Provide 1/4"= 1'-0" rough-in plan drawings for coordination with trades. Rough-in shall show free area.

### 1.04 QUALITY ASSURANCE

- A. Single source responsibility: Laboratory furniture system, casework, work surfaces, laboratory equipment, chemical fume hoods and accessories shall be manufactured or furnished by a single laboratory furniture manufacturer.
- B. Manufacturer's qualifications: Modern plant with proper tools, dies, fixtures and skilled workmen to produced high quality laboratory casework and equipment, and shall meet the following minimum requirements:
  - 1. Five years or more experience in manufacture of laboratory casework and equipment of similar product type specified.
- C. Laboratory furniture systems and systems components must be UL 962 submitted, approved and listed. Products must bear the UL Mark and shall be identified to those products that were evaluated by UL and found to comply with UL's requirements. The testing standard shall include Dielectric, Grounding Impedance, Stability, Strain Relief and Strength tests.

## 1.05 REFERENCE STANDARDS

- A. All casework, worksurface and service fixture construction and performance characteristics shall be in full compliance with SEFA (Scientific Equipment and Furniture Association) standards. At the owner's request, independent, third part testing must be submitted validating compliance and adheres to the architectural specifications:
  - 1. SEFA 1.2 - Laboratory Fume Hoods
  - 2. SEFA 2.3 - Installation of Scientific Laboratory Furniture and Equipment.
  - 3. SEFA 3 - Work Surfaces
  - 4. SEFA 7 - Laboratory and Hospital Fixtures
  - 5. SEFA 8 - Laboratory Furniture

## 1.06 DELIVERY, STORAGE AND HANDLING

- A. Schedule delivery of laboratory furniture system so that spaces are sufficiently complete that material can be installed immediately following delivery.
- B. Protect finished surfaces from soiling or damage during handling and installation.

## 1.07 PROJECT CONDITIONS

- A. Do not deliver or install equipment until the following conditions have been met:
  - 1. Windows and doors are installed and the building is secure and weather tight.
  - 2. Ceiling, overhead ductwork and lighting are installed.
  - 3. All painting is completed and floor tile is installed.

## PART 2 PRODUCTS

### 2.01 MANUFACTURER

- A. Design, materials, construction and finish of laboratory furniture specified is the minimum acceptable standard of quality for flexible laboratory casework. The basis of this specification is Hamilton Scientific, 1716 Lawerence Drive STE 1, De Pere, WI 54115.

### 2.02 WORKSURFACE TABLES FRAMES

- A. General requirements for table frames:
  - 1. Work surface support frame: 2" outside diameter wall and 1.75" inner telescoping leg 11 gauge cold rolled and/or #304 stainless steel tubing. ASTM A513 type 1, 1010-1018 tubing. Levelers are 3/8" - 16 nc X 2.5" long.
    - a. Finish: Chemical resistant urethane powder paint or #4 on the #304 stainless steel.
  - 2. Work surface support frame (Specifier's Option): 2" outside diameter wall and 1.75" inner telescoping leg 11 gauge stainless steel tubing. ASTM A554 type 304 stainless - polished to #4 finish or 180 grit. Levelers are 3/8" - 16 nc X 2.5" long.

### B. Worksurface Table Frame:

- 1. Nominal table frame dimensions:
  - a. Width: 42", 48", 60", 72", 96"
  - b. Depth: 30", 27" projecting in front of the uprights and 1" behind the upright)
  - c. Adjustable Height: 30" to 37" AFF including .75" thick top
- 2. Front upright member is 2" outside diameter, 11 ga. wall tubing with telescoping 11 ga. inner leg. The upright is capable of vertical adjustment in two-inch increments.
- 3. Worksurface frames 11 ga. formed steel. Rear corners shall have 2.25" diameter X 6" high 11 ga. collar. The front half of the collar shall be welded to the worksurface frame with supporting gussets and the back half mechanically fastened to the rear uprights with socket head button cap and bolt.
- 4. A back stop angle, with full length bumper, shall be located under the worksurface frame to position the 24" deep mobile base cabinet 1" behind the front edge of the worksurface.

### C. Four Leg Adjustable-Height Add-A-Leg Table

- 1. Nominal table frame dimensions:
  - a. Width: 42", 48", 60", 72", 96"
  - b. Depth: 30" (27" projecting in front of the uprights and 1" behind the upright)
  - c. Adjustable Height: 30 to 37" AFF including .75" thick top
- 2. Worksurface table frame shall be able to detach from the rear frame and form a four-leg adjustable height table with the addition of two Add-A-Legs.
- 3. Add-A-Leg member and front upright member are 2" outside diameter 11 ga. wall tubing with telescoping 11 ga. inner leg. Capable of vertical adjustment in two inch increments.
- 4. Worksurface frames 11 ga. formed steel.

### 2.03 REAR FRAME SUPPORT STRUCTURE

- A. General requirements for rear frame support structures:
  - 1. Vertical uprights shall allow for plumbing, electrical and data cabling
  - 2. Uprights supports shall be 11 ga. tubular steel 2" outside diameter. Gas piping and high/low voltage cabling shall be separated in opposite and separate vertical members.
  - 3. Shared rear frame upright shall be 11 ga. cold-rolled steel formed to a 2" X 6" structural support with a full-height removal side cover. Gas piping shall be in the opposite and separate vertical upright from cabling. Cabled vertical upright shall have two channels to separate low voltage from high voltage cabling.



## Movable Bench Laboratory Furniture System – Specifications

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4. Levelers are 3/8" - 16 nc X 2.5" long. (1 leveler per single frame upright, 2 levelers per shared frame upright.)
5. Uprights have slots punched on 1" increments starting at nominal 55" above the floor to the top of the upright.
6. Upper and lower horizontal cross rails shall be 11 ga. steel for single frames and 14 ga. for shared frames.
7. Lower structural cross rail for the single frame shall house an integral two-channel raceway. Structural cross rails for the shared frames shall incorporate an enclosed raceway with removable bottom cover for electrical wiring and 20 amp duplex outlets.
8. Raceways for single frames to have 2 -20 amp hospital grade duplexes on 4' and 5' units, 3 - 20 amp hospital grade duplexes on 6' and 8' wide units and an optional 20 amp duplex located in the vertical upright under the worksurface.
9. Raceways for shared frames to have 2 per side - 20 amp hospital grade duplexes on the horizontal raceway on 42", 48" wide frames and 3 per side on 60", 72" and 96".
10. Two separate (separate circuits) shall be located in the side vertical upright under the worksurface.
11. Single frame assemblies having cabled vertical upright shall have one CAT 6 phone and CAT 6 data cable connecting to two separate 2-port receptacle frames. 2-port receptacle frame shall house separate ANSI/TIA/EIA-568-b data and voice compliant female component.

Shared frame assemblies do not include CAT 6 cables.

2-port receptacle is located in the horizontal raceway of the single frame. 2-port receptacles are located in the upright of the shared frame.

### B. Rear Frame:

1. Nominal dimensions:
  - a. Width: 42", 48", 60", 72", 96"
  - b. Height: 84"

### C. Wall Frame - General requirements for wall frame support structures:

1. Wall frames shall have the same general requirements as the rear frame in performance and construction.
2. Wall frames can be created by removing the work surface table frame and mounting the existing rear frame directly to the wall structure by mechanically fastening the top horizontal support rail.
3. Wall frames shall be orderable as a separate entity as part of the standard product offering.

### D. Wall Frame:

1. Nominal dimensions:
  - a. Width: 42", 48", 60", 72", 96"
  - b. Height: 84"

### E. Wall Standards:

1. Wall standard shall mount directly to interior wall when wall-mounted shelves are required.
2. Wall standards shall have the same general requirements, profile and performance requirements as the frame assemblies.
3. Two wall standards are required for each shelf assembly.

## 2.04 PLUMBING/FIXTURES

### A. General requirements:

1. The upright frame structure shall house a maximum of three plumbing services.
2. Needle Valves – chromed brass straight pattern instrumentation needle with serrated hose end.
3. Plumbing lines – Single frame (1/4" OD wall) copper tubing with quick disconnect attached to the tube with compression fittings at the top of the upright. Each half of the quick disconnect (coupler and nipple) are valved.
4. Plumbing lines – Shared frame (3/8" OD wall) polyethylene tubing with tube-to-tube union attached to the tube with compression fittings at the top of the upright.
5. Plumbing lines with the quick disconnects are to be arranged so services cannot be intermixed.
6. All service valves and quick connects shall be media keyed and color coded. Keyed media connects cannot be accidentally switched.
7. All burning gases tubing (1/4" and 3/8") shall be specified as #316 stainless steel.

## 2.05 SERVICE CONNECTIONS

### A. General requirements:

1. All services (plumbing, power, phone and data) terminate at the top of the plumbing upright.
2. Power services will have a 20 amp cord plug extending 4' above the top of the upright. Plug end to be twist lock on single frame and shared frame.
3. Phone CAT6 line will have a male plug-in extending 4' above the upright. (Connections to the facility to be provided by others.)
4. Data CAT6 line will have a male plug-in extending 4' above the upright. (Connections to the facility to be provided by others.)

### 2.06 CEILING MANIFOLD SYSTEM

1. General requirements - Ceiling utility panel shall integrate within most standard-duty T-grid acoustical suspended ceiling systems.
2. Utility panel shall provide a means to mount and connect electrical outlets, data outlets and quick connect service fixtures.
3. Utility panels shall accommodate single sided and back-to-back bench configurations.
4. Utility panels will ship with junction boxes factory attached. Electrical outlets, data outlets, cover plates and service fixtures shall be ordered separately and field installed.
5. Utility panel shall be a minimum 18 gauge cold rolled steel with a urethane powdercoat finish.
6. Nominal Dimensions:
  - a. Widths: 24" x 24"
  - b. Height (including junction boxes): 3"
7. Ceiling service panel system shall be equipped with quick disconnect fitting for service tube ends. Each keyed disconnect shall include nipple and coupler with color-keyed band marking media.
8. Service lines: polyurethane and/or for non-burning gases and braided stainless steel for burning gases will attach to quick-connects and/or tube-to-tube unions from the ceiling utility panel and the rear frame disconnects.

### 2.07 SHELVES

#### A. General requirements for shelves:

1. All shelf supports shall be available in #304 stainless steel (#4 finish) or powdercoated cold rolled steel.
2. Shelf platforms shall be available in glass, steel, phenolic resin or plastic laminate with 3mm wood edge banding.
3. Shelves shall overhang 2" behind the face of the vertical tubular support.
4. Shelf brackets: 11 gauge stainless steel or cold rolled powdercoated steel.
5. Vertical shelf adjustment: one-inch increments.
6. All shelves shall incorporate a reversible shelf retainer lip that is capable of being positioned in the raised or flush position. Shelf lips can be repositioned with the use of simple hand tools.
7. Shelves can be mounted to wall frames, wall standards or rear frames.
8. Load capacity for shelving is 100 lbs.

#### B. Outside Shelf:

1. Nominal dimensions:
  - a. Widths: 29", 35", 46", 47"
  - b. Depth: 12", 15"

2. Shelf brackets shall rise above the shelf surface to provide sides.

#### C. Shelf Types (Specifier Option):

1. Laminated safety glass shelf with steel (stainless or cold rolled) frame:
  - a. Frame to be made up of 11 ga. steel and 3/4" square 11 ga. tubing.
  - b. Glass to be .50" laminated.
2. Phenolic resin shelf with steel (stainless or cold rolled) frame:
  - a. Phenolic resin shelf to be 3/4" thick.
3. Wood shelf with steel (stainless or cold rolled) frame:
  - a. Wood laminated shelf to be 1" thick with 3mm hardwood banding.
4. Steel painted or stainless steel:
  - a. Steel painted and stainless steel shelf to be 3/4" thick.

#### D. Shelf Retainer Options (Specifier's Option):

1. Cold rolled powdercoated steel or #304 stainless steel shelf options:
  - a. Lower and middle shelves shall have a removable 18 ga. steel back rail which acts as a back stop and can be turned upside down to provide a flush work surface when units are back-to-back.
  - b. Upper shelf to have a removable 18 ga. steel back rail.
  - c. Optional front .375" diameter retaining rod shall be 1.25" above the shelf.

#### 2. Wood shelf options:

- a. Lower and middle shelves shall have a removable/reversible rear 1" solid hardwood lip which can act as a stop and can turn upside down to provide a flush surface when units are back-to-back.
- b. Upper shelf shall have a removable 1" high solid hardware lip.
- c. Front .375" diameter retaining rod shall be 1.25" above the shelf.

### 2.08 WORK SURFACES AND SPLASH GUARDS

#### A. General requirements for work surfaces

1. All work surface table frames supports and backsplash support hardware shall be available in #304 stainless steel (#4 finish) or powdercoated cold rolled steel.
2. Work surfaces shall be available in glass, phenolic resin or wood.
3. Work surfaces shall be corner notched to the tube profile and hang 1" behind the face of the vertical tubular support.
4. Load capacity: the work surface load capacity is 600 lbs.



## Movable Bench Laboratory Furniture System – Specifications

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- B. Work surfaces:
  - 1. Nominal dimensions:
    - a. Widths: 42", 48", 60", 72", 96"
    - b. Depth: 30"
- C. Work surface Types - Material Options (Specifier Option):
  - 1. Laminated safety glass – .50" thick with 3/4" X 3/4" 11-gauge 4-sided steel frame
  - 2. Phenolic resin – 1", .75" thick
  - 3. Epoxy resin – 1", .75" thick
- D. Side and Back Splashes:
  - 1. Nominal dimensions:
    - a. Heights: 1 7/8", 3 7/8", 5 7/8", 12 7/8"
- E. Side and Back Splashes Types - Material Options (Specifier Option):
  - 1. Laminated safety glass – .50" thick
  - 2. Phenolic resin – .50" thick
  - 3. Epoxy resin – .50" thick (finished both sides)

### 2.09 MOBILE BASE CABINETS

- A. Design requirements, performance requirements, materials, fabrication and hardware shall comply in all respects with fixed wood and/or steel case work specifications as manufactured and cataloged. The basis of this product specification is Thermo Fisher Scientific, 1316 18th Street, Two Rivers, WI 54241.
- B. Cabinets with casters shall be constructed without toe spaces. The cabinet shall be constructed with a reinforced base capable of supporting a 4" high caster assembly in each corner. Casters shall be swivel locking type and rated for minimum 250 pounds load each. Cabinets with casters shall be completely finished on four sides and top since surfaces are considered visible.
- C. The entire cabinet assembly shall be reinforced to permit mobility without twisting and achieve an industry standard height of 31" or 37" including the flush 1" counter top.
- D. Base cabinets shall, except as noted, incorporate a flush overlay design in which the cabinet body is completely concealed.
- E. The mobile base unit shall incorporate a 6" high "Add-A-Drawer" furniture design to allow the casework to be used in both standing height and sitting height configuration and shall be constructed as follows:
  - 1. Base cabinet shall be nominally 29" high.
  - 2. A 6" high, fully enclosed drawer box made to the same widths as the cabinet below shall sit on top of each base cabinet to create a standing height cabinet. The drawer box frame shall be 3/4" thick on all four sides.

- 3. The drawer box frame shall be aligned with two mechanical pins or fasteners that engage the cabinet's top rail through pre-drilled holes with metal inserts. In addition, a cam lock mechanism shall be located at the rear of the base cabinet to lock the add-a-drawer unit to the cabinet.
- F. Units with drawers must be equipped with an anti-tipping mechanism that shall include an interlock so that only one drawer in a vertical stack can be opened at one time.

### 2.10 FINISHES

- A. Metal finish:
  - 1. Preparation: Spray clean metal with a heated cleaner/phosphate solution, pre-treat with iron phosphate spray, water rinse, and neutral final seal. Immediately dry in heated ovens, gradually cooled, prior to application of finish.
  - 2. Application: Electrostatically apply urethane powdercoat of selected color and bake in controlled high temperature oven to assure a smooth, hard satin finish. Surfaces shall have a chemical resistant, high grade laboratory furniture quality finish of the following thickness: Liquid, dipped, solvent based finishes are not and will not be acceptable.
    - a. Exterior and interior exposed surfaces: 1.5 mil average and 1.2 mil min.
    - b. Backs of cabinets and other surfaces not exposed to view: 1.2 mil average.
- B. Cabinet Surface Finish Tests: **All casework construction and performance characteristics shall be in full compliance with SEFA 8 standards.** At the owner's request, independent, third party performance testing must be submitted validating compliance and adheres to the finish specifications.
  - 1. **Chemical Spot Test**
    - 1.1 **Purpose of Test**

The purpose of the chemical spot test is to evaluate the resistance a finish has to chemical spills. **Note:** Many organic solvents are suspected carcinogens, toxic and/or flammable. Great care should be exercised to protect personnel and the environment from exposure to harmful levels of these materials.
    - 1.2 **Test Procedure**

Obtain one sample panel measuring 14" x 24" (355.6mm x 609.6mm). The received sample to be tested for chemical resistance as described herein. Place panel on a flat surface, clean with soap and water and blot dry. Condition the panel for 48-hours at 73+3F (23+2C) and 50+5% relative humidity. Test the panel for chemical resistance using forty-nine different chemical reagents by one of the following methods:

**Method A** - Test volatile chemicals by placing a cotton ball saturated with reagent in the mouth of a one-ounce (29.574cc) bottle and inverting the bottle on the surface of the panel.

**Method B** - Test volatile chemicals by placing five drops of the reagent on the surface of the panel and covering with a 24mm watch glass, convex side down.

For both of the above methods, leave the reagents on the panel for a period of **one hour**. Wash off the panel with water, clean with detergent and naphtha, and rinse with deionized water. Dry with a towel and evaluate after 24-hours at  $73 \pm F$  ( $23 \pm C$ ) and  $50 \pm 5\%$  relative using the following rating system:

**Level 0** – No detectable change.

**Level 1** – Slight change in color or gloss.

**Level 2** – Slight surface etching or severe staining.

**Level 3** – Pitting, cratering, swelling, or erosion of coating. Obvious and significant deterioration.

Test No.	Chemical Reagent	Test Method
1.	Acetate, Amyl	A
2.	Acetate, Ethyl	A
3.	Acetic Acid, 98%	B
4.	Acetone	A
5.	Acid Dichromate, 5%	B
6.	Alcohol, Butyl	A
7.	Alcohol, Ethyl	A
8.	Alcohol, Methyl	A
9.	Ammonium Hydroxide, 28%	B
10.	Benzene	A
11.	Carbon Tetrachloride	A
12.	Chloroform	A
13.	Chromic Acid, 60%	B
14.	Cresol	A
15.	Dichlor Acetic Acid	A
16.	Dimethylformamide	A
17.	Dioxane	A
18.	Ethyl Ether	A
19.	Formaldehyde, 37%	A
20.	Formic Acid, 90%	B
21.	Furfural	A
22.	Gasoline	A
23.	Hydrochloric Acid, 37%	B
24.	Hydrochloric Acid, 48%	B

25.	Hydrogen Peroxide, 3%	B
26.	Iodine, Tincture of	B
27.	Methyl Ethyl Ketone	A
28.	Methylene Chloride	A
29.	Mono Chlorobenzene	A
30.	Naphthalene	A
31.	Nitric Acid, 20%	B
32.	Nitric Acid, 30%	B
33.	Nitric Acid, 70%	B
34.	Phenol, 90%	A
35.	Phosphoric Acid, 85%	B
36.	Silver Nitrate, Saturated	B
37.	Sodium Hydroxide, 10%	B
38.	Sodium Hydroxide, 20%	B
39.	Sodium Hydroxide, 40%	B
40.	Sodium Hydroxide, Flake	B
41.	Sodium Hydroxide, Saturated	B
42.	Sulfuric Acid, 33%	B
43.	Sulfuric Acid, 77%	B
44.	Sulfuric Acid, 96%	B
45.	Sulfuric Acid, 77% and Nitric Acid, 70%, equal parts	B
46.	Toluene	A
47.	Trichloroethylene	A
48.	Xylene	A
49.	Zinc Chloride, Saturated	B

## 1.3 Acceptance Level

Results will vary from manufacturer to manufacturer. **Laboratory grade finishes should result in no more than four Level 3 conditions.** Suitability for a given application is dependent upon the chemicals used in a given laboratory.

## 2. Hot Water Test

### 2.1 Purpose of Test

The purpose of this test is to insure the coating is resistant to hot water.

### 2.2 Test Procedure

Hot water, 190°F to 205°F (88°C to 96°C), shall be allowed to trickle (with a steady stream and at a rate of not less than 6 ounces (177.44cc) per minute on the surface, which shall be set at an angle of 45-degrees, for a period of five minutes.

### 2.3 Acceptance Level

After cooling and wiping dry, the finish shall show no visible effect from the hot water.

## 3. Impact Test

### 3.1 Purpose of Test

The purpose of this test is to evaluate the ductility of the coating.

### 3.2 Test Procedure

A one-pound ball approximately 2" (50.8mm) in diameter shall be dropped from a distance of 12" (304.8mm) onto a flat horizontal surface, coated to manufacturer's standard manufacturing method.

### 3.3 Acceptance Level

There shall be no visible evidence to the naked eye of cracks or checks in the finish due to impact.

## 4. Paint Adhesion on Steel Test

### 4.1 Purpose of Test

The paint adhesion test is used to determine the bond of the coating to steel. This does not apply to non-steel products.

### 4.2 Test Procedure

This test is based on ASTM D2197-86 "Standard Method of Test for Adhesion of Organic Coating". Two sets of eleven parallel lines 1/16" (1.587mm) apart shall be cut with a razor blade to intersect at right angles thus forming a grid of 100 squares. The cuts shall be made just deep enough to go through the coating, but not into the substrate. They shall then be brushed lightly with a soft brush for one minute. Examine under 100-foot candles of illumination.

### 4.3 Acceptance Level

Ninety or more of the squares shall show finish intact.

## 5. Paint Hardness on Steel Test

### 5.1 Purpose of Test

The paint hardness test is used to determine the resistance of the coatings to scratches.

### 5.2 Test Procedure

Pencils, regardless of their brand, are valued in this way: 8-H is the hardest, and next 11 order of diminishing hardness are 7-H, 6-H, 5-H, 4-H, 3-H, 2-H, H, F, HB, B (soft), 2-B, 3-B, 4-B, 5-B (which are softest). The pencils shall be sharpened on emery paper to a wide sharp edge. Pencils of increasing hardness shall be pushed across the paint film in a chisel-like manner until one is found that will cut or scratch the film. The pencil used before that one, that is the hardest pencil that will not rupture the film, is then used to express or designate the hardness.

### 5.3 Acceptance Level

The paint shall have a hardness of 4-H minimum.

## 2.11 BULLETIN BOARDS

1. General requirements - Bulletin boards are a dyed linoleum material framed in either powder painted steel or #304 stainless steel. Bulletin boards shall be both acoustical and tackable. Refer to drawing details. For fabric selection, provide color samples for owners review.
2. Nominal dimensions:
  - a. Widths: 42", 48", 60", 72", 96"
  - b. Heights: 20", 18", 16", 14" (from top of work surface to horizontal raceway)

## 2.12 MODESTY PANELS

1. General requirements - Steel (stainless steel or painted) shall mount directly to rear frame. Modesty panel will mount with a simple clamp mechanism with simple hand tool.
2. Nominal dimensions:
  - a. Widths: 42", 48", 60", 72", 96"
  - b. Heights: 19" mounts directly below the worksurface

## 2.13 TASK LIGHTS

1. General requirements - Task light shall be a T5HQ type. Task lights shall be gangable with an integral on/off switch. Switch will turn on/off all lights ganged to it.
2. Task light minimum performance levels shall be as follows: with 40 foot candle room lighting at the work surfaces, the task light shall increase the work surface illumination to 80/100 foot candles.
3. Nominal dimensions:
  - a. Widths: 29", 35", 47"

## PART 3 EXECUTION

### 3.01 INSTALLATION

- A. Furniture system installation:
  1. Install system in strict accordance with manufacturer's instructions.
  2. Set system components level on two planes with no distortion. Securely anchored to building structure using concealed shims where necessary in wall mount.
- B. Install applications casework, work surfaces and accessory items per Section 12345.

### 3.02 ADJUSTING

- A. Repair or remove and replace defective work, as directed by [Architect] [Owner] upon completion of installation.

### 3.03 CLEANING

- A. Clean shop finished laboratory furniture system surfaces and touch up as required.

### 3.04 PROTECTION OF FINISHED WORK

- A. Provide all necessary protective measures to prevent exposure of laboratory furniture system and attached components from exposure to other construction activity.
- B. Advise contractor of procedures and precautions for protection of the installed laboratory furniture system and related components from damage by work of other trades.

## ENVIRONMENTAL COMPLIANCE

### 1. Recycled Steel Content for Laboratory Casework

All steel used in the product fabrication shall comply with the LEED (Leadership in Energy and Environmental Design) Green Building Rating System. The manufacturer must submit documentation (i.e. "Source of Materials", Invoices, Third Party Validation, etc.) for steel purchased for this project providing recycled content. Such documentation shall be submitted to the Owner Representative/Architect for approval prior to award of contract.

- A. **Sheet Steel:** All cold rolled sheet steel used in the fabrication of laboratory cabinets, fumehoods and modular laboratory systems shall have a minimal of 20% recycled steel content.
- B. **Recycled Steel Content:** Of this 20% recycled content, 60% shall be purchased scrap (i.e. old cars, appliances) with the remaining 40% from generated in-house scrap and manufacturing fall-off.
- C. **Fabricators Scrap:** Fabricators shall provide documentation that manufacturing fall-off is recycled to respective steel mills and does not enter the solid waste system and/or become a product of land fill space.

### 2. Finish for Steel Laboratory Products

All Steel Laboratory Products shall utilize a dry powdercoat paint process by means of electrostatically spray, providing high-transfer efficiency low waste generation. Any liquid-applied coatings **shall not** be acceptable. Manufacturer shall supply documentation that waste generated during the painting process, is a solid, non-hazardous material.

- A. **Pretreatment:** Finish process shall incorporate a phosphate conversion coating during the pretreatment/cleaning operation. Electrostatic application of dry powder shall follow. Coated parts shall pass through curing ovens, which shall cause the powder to melt, flow, gel, cure and bond onto the phosphatized steel substrate.

- B. **Chemically Resistance Finish:** Only highly chemically resistant, dry powdercoated finishes that passes the SEFA 8 casework specifications for chemical and durability resistance, will be acceptable. A letter from a third-party validator, verifying independent test results, shall be submitted to the Owner Representative/ Architect for approval - at time of bid submittal.

- C. **Operator Protection:** The application is convenient and easily mastered through robotic application plus manual detailing. The painting process is cleanly contained and has no solvent odor and is performed in an air-conditioned room.

- D. **Overspray Powder Paint:** Shall be captured and resprayed. Efficiency shall be 99% effective in coating usage, reducing waste generation. A closed collection system shall be utilized for overspray that is not reused. Powder overspray, which can not escape the facility, is collected in bulk, eliminating the need for daily replacement/disposal of filter media.

- E. **VOC Emissions:** Powder paint shall be sprayed and baked with a near zero (.29 lbs per gallon maximum) VOC (Volatile Organic Compounds) emissions.

- F. **Offgasing:** After all steel powdercoated parts have cooled from the curing ovens, the coating shall be firm and stable. **No further emissions** or offgasing/ decomposition vapors shall occur at room temperature.

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953J438_	49
953J439_	49
953J440_	49
953J503_	44

[www.hamiltonscientific.com](http://www.hamiltonscientific.com)



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AL-1767-2 1013



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### Hamilton Scientific Distinction

This modular, self-contained laboratory bench system is designed to respond to the changing lab equipment and instrumentation, personnel, research activities and room layouts with minimal downtime, cost and effort.

- Built around bench structures with adjustable height work surfaces and shelving.
- Self-contained benches house pre-piped and pre-wired services.
- Sinks and fume hoods use special mobile cabinets to conceal drain lines.
- Adjustable components are designed to be easily repositioned.
- Service lines with quick-connect fittings connect to overhead service distribution panels.
- Components can be used independently or integrated, with mobile cabinetry to provide a tailored solution for each application.
- Components are non-generational and completely compatible, ensuring continuing availability.

### To specify Hamilton Distinction:

1. Choose specific **system components**, including bench structures, upper and lower storage components and work surfaces.
  - Three styles of mobile cabinets designed especially for the **Hamilton Distinction** system are included in this catalog.
  - Refer to other Hamilton Scientific product catalogs for casework, fume hoods, fixtures and accessories.
2. Use **options menus** to choose system colors and cabinet options for steel and wood cabinets.
3. Select modular **work surfaces** based upon matching performance characteristics to the work performed in the lab.
4. Choose **system accessories** as needed from the accessories section of this catalog.
5. Choose **auxiliary lab equipment**, including safety equipment, fixtures, sinks and accessories from the related Hamilton Scientific product catalogs.
  - Service fixtures designed exclusively for Hamilton Distinction workstations are included in this catalog.



### Choosing Hamilton Distinction Colors

Components are available in 18 standard colors or Type 304 stainless steel. Choose a single color for any component or the entire system. Or, choose a base color for bench frames and cabinet bodies, and an accent color for drawer and door fronts. It is not necessary to choose the same base and accent colors for each component.

Color selection guidelines:

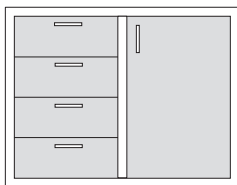
**Cabinets** – Base color for cabinet body; accent color for drawer and door fronts.

**Bench Frames, Shelves** – Base color only.



**RECOMMENDATION:**

Prior to making your final selection, please contact your representative to obtain samples.

**1 Powdercoat Colors****Cabinet Body**

Color Code	Reference Color
<b>BK</b>	Black
<b>BL</b>	Blue
<b>BS</b>	Blue Slate
<b>BD</b>	Brown Burgundy
<b>CH</b>	Chameleon
<b>DK</b>	Dark Khaki
<b>G1</b>	Dove Grey
<b>G3</b>	Grey Slate
<b>HG</b>	Hunter Green
<b>IN</b>	Indigo
<b>KK</b>	Khaki
<b>PW</b>	Petal White
<b>PM</b>	Piedmont Green
<b>PL</b>	Platinum
<b>PA</b>	Purple
<b>SA</b>	Sand
<b>SS</b>	Sandstone
<b>SW</b>	Shell White

**Door/Drawer Fronts**

Color Code	Accent Color
<b>BK</b>	Black
<b>BL</b>	Blue
<b>BS</b>	Blue Slate
<b>BD</b>	Brown Burgundy
<b>CH</b>	Chameleon
<b>DK</b>	Dark Khaki
<b>G1</b>	Dove Grey
<b>G3</b>	Grey Slate
<b>HG</b>	Hunter Green
<b>IN</b>	Indigo
<b>KK</b>	Khaki
<b>PW</b>	Petal White
<b>PM</b>	Piedmont Green
<b>PL</b>	Platinum
<b>PA</b>	Purple
<b>SA</b>	Sand
<b>SS</b>	Sandstone
<b>SW</b>	Shell White

**2 Plastic Laminate Colors****Door/Drawer Fronts**

Color Code	Plastic Laminate Reference Color*
<b>9P</b>	Antique White
<b>6F</b>	Atlantis
<b>90</b>	Black
<b>9R</b>	Dove Grey
<b>9T</b>	Grey
<b>LE</b>	Grey Nebula
<b>7Y</b>	Fashion Grey
<b>8Y</b>	Featherstone
<b>9Y</b>	Frosty White
<b>9S</b>	Haze
<b>8Q</b>	Lapis Blue
<b>9X</b>	Light Beige
<b>9V</b>	Mandarin Red
<b>6I</b>	Natural Almond
<b>6W</b>	Pepperdust
<b>6Q</b>	Platinum
<b>9U</b>	Putty
<b>LK</b>	Sand Nebula**
<b>LD</b>	White
<b>9Q</b>	White Nebula

\*Many nonstandard colors are available – consult a Hamilton Scientific representative for more information.

\*\* 3-week lead time.

**3 High Pressure Laminate Colors for Worksurfaces**

<b>1C</b>	– Port
<b>1D</b>	– Wineberry
<b>1F</b>	– Atlantis
<b>1G</b>	– Seaspray
<b>1H</b>	– Silver Pine
<b>1I</b>	– Natural Almond
<b>1J</b>	– Doeskin
<b>1K</b>	– Moccasin
<b>1L</b>	– Thistle
<b>1M</b>	– Khaki Brown
<b>10</b>	– Feather Stone
<b>1P</b>	– Pewter
<b>1Q</b>	– Porcelain Rose
<b>1R</b>	– Mauve Blush
<b>1S</b>	– Hunter Green
<b>1T</b>	– North Sea
<b>1U</b>	– Slate Grey
<b>1V</b>	– Dove Grey
<b>1W</b>	– Shadow
<b>1X</b>	– Haze
<b>1Y</b>	– Wild Rose
<b>1Z</b>	– Chiffon

**3 High Pressure Laminate Colors for Worksurfaces continued**

<b>2C</b>	– Rose Buff
<b>2F</b>	– Hollyberry
<b>2G</b>	– Ivory Rose
<b>2J</b>	– Platinum
<b>2L</b>	– Shadow Blue
<b>2M</b>	– Blue Ice
<b>2N</b>	– Brittany Blue
<b>2O</b>	– Bluejay
<b>2Q</b>	– Pepperdust
<b>2R</b>	– Larkspur
<b>2S</b>	– Bisque
<b>2T</b>	– Sand
<b>2U</b>	– Pebble
<b>2V</b>	– Marigold
<b>3C</b>	– Tyrol Green
<b>3D</b>	– Designer White
<b>3O</b>	– Taupetone
<b>3Y</b>	– Indigo
<b>3Z</b>	– Fashion Grey
<b>4B</b>	– Cloud
<b>4L</b>	– Oasis
<b>4M</b>	– White Sand
<b>4T</b>	– Fortuneberry
<b>4Y</b>	– Lapis Blue
<b>5C</b>	– Ming Gold
<b>5G</b>	– Mandarin Red
<b>5H</b>	– Beige
<b>5I</b>	– Light Beige
<b>5J</b>	– White
<b>5K</b>	– Antique White
<b>5L</b>	– Frosty White
<b>5M</b>	– Black
<b>5N</b>	– Caldera Rose
<b>5P</b>	– White Nebula
<b>5Q</b>	– Cloud Nebula
<b>5R</b>	– Blue Nebula
<b>3B</b>	– Bengal Teak
<b>3J</b>	– Canary
<b>GG</b>	– Grey Glace
<b>2E</b>	– Natural Butcher Block
<b>2P</b>	– White Leather
<b>3M</b>	– Winchester Walnut

**4 Wood Cabinet Stains****Red Oak**

Bratton Cherry  
Ceylon Teak  
English Oak  
Honey Oak  
Tinted Clear  
Clear  
Sable Tan  
Santa Fe

**Bamboo**

Caramelized Flat Cut  
Caramelized Vertical Cut  
Natural Flat Cut  
Natural Vertical Cut

**Steamed Beech**

Clear

**Maple**

Ceylon Teak  
Santa Fe  
Tinted Clear  
Clear  
Honey Maple

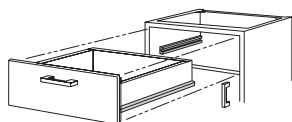
**5 Recessed Door & Drawer Pull Colors**

Black  
Grey  
Chameleon  
White

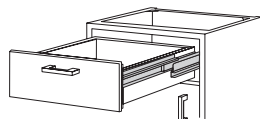


Check here for all **Standard Default** selections.

## 1 Drawer Suspension



Self-Closing, self-centering, hold-open feature. 100 lb. drawer runs  
– **Standard Default**

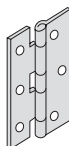


SEFA 8 – Accuride 150 lb. full extension drawer slides on all drawers.  
(Standard on file drawers)

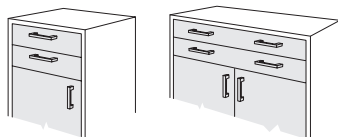
## 2 Hinges

Stainless steel with zinc-plated screws.  
– **Standard Default**

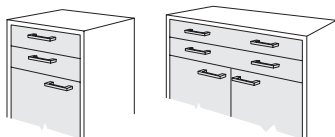
Black with zinc-plated screws.



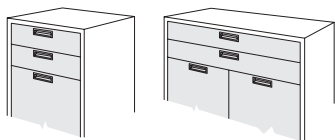
## 3 Pull Location



**Configuration 1\***  
Horizontal on drawers, vertical on doors.  
– **Standard Default**

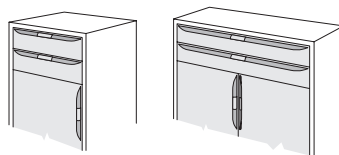


**Configuration 2\***  
Horizontal on drawers and doors.



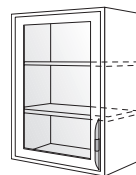
**Configuration 3\***

## 3 Pull Location (continued)



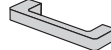
**Configuration 4\***  
Full width horizontal on drawers, vertical on doors.

\* Wall, upper and tall cases always have vertical pulls.

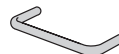


## 4a Pull Types Configuration 1 & 2 Only

Brushed aluminum rectangular style finger pull.  
– **Standard Default**



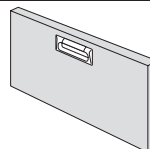
- Aluminum wire
- Chameleon powdercoat wire
- Black powdercoat wire
- Grey powdercoat wire
- Stainless steel wire
- Satin chrome wire
- Polished chrome wire (Plated)



## 4b Pull Typ Configuration 1, 2 & 3

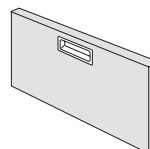
Semi-recessed Polypropylene

- Black
- Grey
- Chameleon
- White



## 4c Pull Type Configuration 3 Only

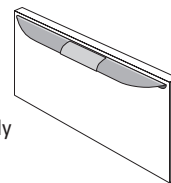
Flush stainless steel pull No. 28127.



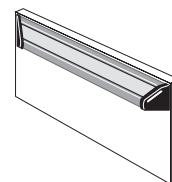
## 4d Pull Type Configuration 4 Only

Full-Width (on drawers), powdercoated steel.

- BK** Black
- BL** Blue
- BS** Blue Slate
- BD** Brown Burgandy
- CH** Chameleon
- DK** Dark Khaki
- G1** Dove Grey
- G3** Grey Slate
- HG** Hunter Green
- IN** Indigo
- KK** Khaki
- PW** Petal White
- PL** Platinum
- SA** Sand
- SS** Sandstone
- SW** Shell White
- PM** Piedmont Green
- PA** Purple



Full width powdercoated or stainless steel pull



Full-width aluminum pull

Full-Width (on drawers), stainless steel pull.

Full-Width (on drawers), aluminum pull.

## 5 Door Catches

Roller – **Standard Default**



## Hamilton Scientific Tradition

## 6 Lock Types

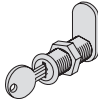
- Designated by suffix

- Master® 5-disc  
– **Standard Default**

Use when up to 225 key changes are required (master keyed).

- Master® 5-pin\*
- Grand Master® 5-pin\*

\*Use when up to 2000 primary key changes are required; 8-week lead time. Lock keying is determined by lock schedule.



### Locking Suffixes

Insert appropriate letter in the 8<sup>th</sup> position of the product number.

#### Cupboard Units

With Lock: **L**  
W/O Lock: **Q**

#### Combination Units (Drawer over Door)

With Lock: **F**  
W/O Lock: **C** No lock at door; drawer lock only

#### All Drawer Units

With Lock: **F**

\*Drawer units are **not** available without locks

## 7 Label Holders

- None – **Standard Default**

One each door, one each drawer head.

- Stainless Steel
- Black

One per pair of doors, one each drawer head.

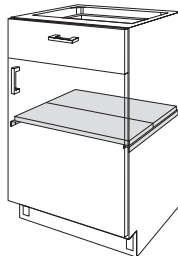
- Stainless Steel
- Black

Check "None" when full-width and semi-recessed polypropylene pulls are selected.



## 8 Base Unit Shelf

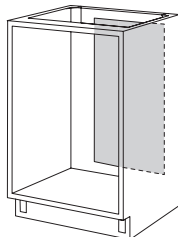
- One-piece.  
– **Standard Default**
- Split (2 pieces).



## 9 Removable Access Panel

Available on 100S and 200S Series base cabinets only.

- At cupboard areas only.  
– **Standard Default**
- At both cupboard and drawer areas.



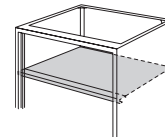
## 10 Glass – Framed and/or Unframed Doors

- 6mm clear float glass.  
– **Standard Default**
- 6mm tempered safety glass.
- 6mm laminated safety glass.



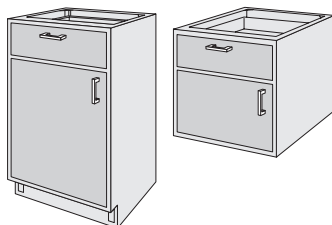
## 11 Security Panels Between Locked Sections

- Without security panel.  
– **Standard Default**
- With security panel.

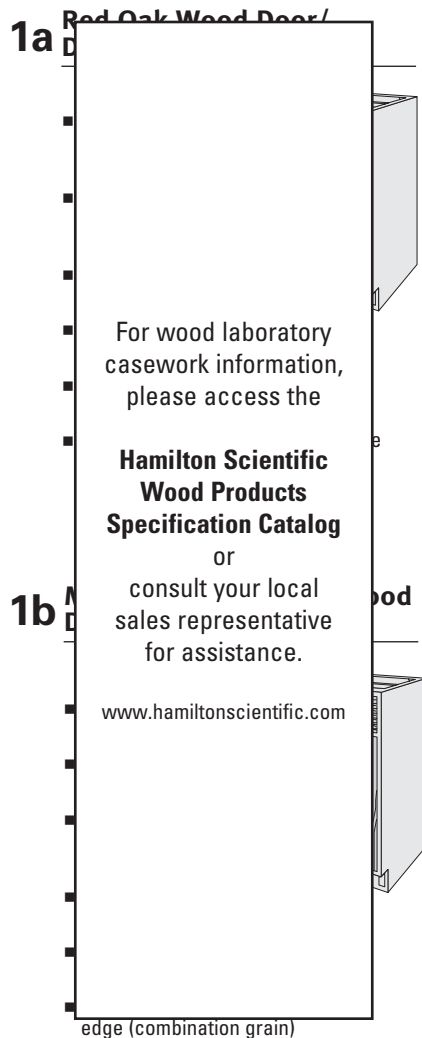


**NOTE: All options must be "COOLED"**

## 1 Contrast: Inset Steel Cabinet Door/Drawer Front Style



Inset styling features an exposed cabinet frame surrounding doors and drawers. Contrast door and drawer fronts are available in wood or plastic laminate construction.



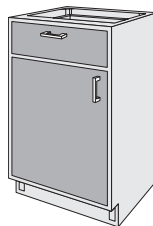
edge (combination grain)

## 1c Plastic Laminate Door/Drawer Fronts Option

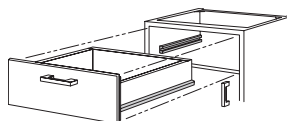
Plastic Laminate  
Color Code

3mm PVC  
Edgeband:

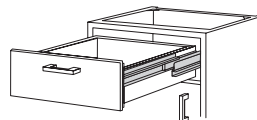
- Black
- Grey
- Chameleon
- White



## 2 Drawer Suspension



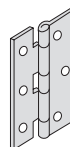
- Self-closing, self-centering, hold-open feature. 100 lb. drawer runs.



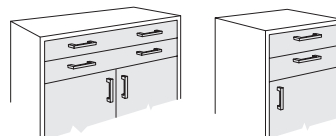
- SEFA 8 - Accuride (or equal). 150 lb. full extension drawer slides. (Standard on file drawers)

## 3 Cabinet Hinges

- Stainless steel with zinc-plated screws. – **Standard Default**
- Black with zinc-plated screws.

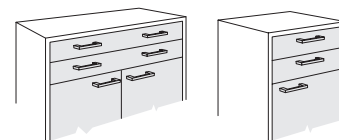


## 3a Pull Direction

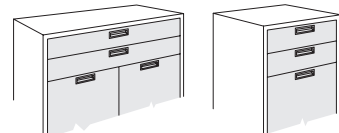


- **Configuration 1\***  
Horizontal on drawers, vertical on doors. – **Standard Default**

## 4 Pull Direction (continued)



- **Configuration 2\***  
Horizontal on drawers and base unit doors only.

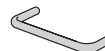
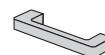


- **Configuration 3\***  
Full width, horizontal on drawers, vertical on doors.

\***Note:** Wall, upper and tall cases always have vertical pulls.

## 5a Pull Types – Configurations 1 & 2 Only

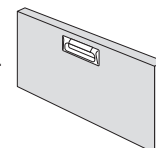
- Brushed aluminum rectangular style – **Standard Default**
- Aluminum wire
- Chameleon wire (powdercoat)
- Black wire (powdercoat)
- Grey wire (powdercoat)
- Stainless steel wire
- Satin chrome wire
- Polished chrome wire (plated)
- Bright chrome wire (powdercoat)
- Goldtone wire (powdercoat)



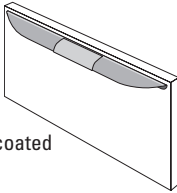
## 5b Pull Types – Configurations 1, 2 & 3

Semi-recessed polypropylene pull.

- Black
- Grey
- Chameleon
- White



## 5c Pull Types Configuration 3 Only

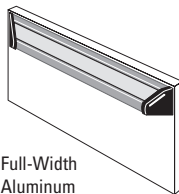


- Full-width powdercoated steel (on drawers).

**BK** Black  
**BL** Blue  
**BS** Blue Slate  
**BD** Brown Burgundy  
**CH** Chameleon  
**DK** Dark Khaki  
**G1** Dove Grey  
**G3** Grey Slate  
**HG** Hunter Green  
**IN** Indigo  
**KK** Khaki  
**PW** Petal White  
**PM** Piedmont Green  
**PL** Platinum  
**PA** Purple  
**SA** Sand  
**SS** Sandstone  
**SW** Shell White

- Full width stainless steel. (on drawers)

- Full width aluminum. (on drawers)



## 6 Door Catches

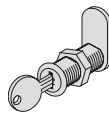
- Roller catch.  
– **Standard Default**



## 7 Lock Types

- Designated by suffix
- Master® 5-disc  
– **Standard Default**  
Use when up to 225 key changes are required (master keyed).
- Master® 5-pin\*
- Grand Master® 5-pin\*

\*Use when up to 2000 primary key changes are required; 8-week lead time. Lock keying is determined by lock schedule.



## 8 Label Holders

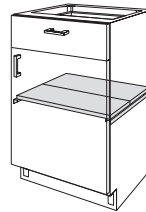
- None\*  
– **Standard Default**
- One each door, one each drawer head.  
Stainless Steel  
Black
- One per pair of doors, one each drawer head.  
Stainless Steel  
Black



Check "**None**" when full-width and semi-recessed polypropylene pulls are selected.

## 9 Base Unit Shelf

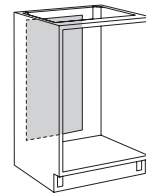
- One-Piece.  
– **Standard Default**
- Split.  
(2 pieces).



## 10 Removable Access Panel

Available on 100S and 200S Series base cabinets only.

- At cupboard areas only.  
– **Standard Default**
- At both cupboard and drawer areas.



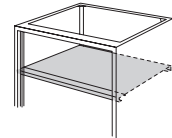
## 11 Glass – Framed and/or Unframed Doors

- Float glass – clear 6mm.  
– **Standard Default**
- Safety glass – laminated, 6mm (framed).
- Safety glass – tempered, 6mm (framed).



## 12 Security Panels Between Locked Sections

- Without panel.  
– **Standard Default**
- With panel.



## 13 Finish Wood door and drawer fronts only

- SEFA 8 – **Standard Default**

## Locking Suffixes

Insert appropriate letter in the 8<sup>th</sup> position of the product number.

Cupboard Units

With Lock: **L**  
W/O Lock: **Q**

Combination Units (Drawer over Door)

With Lock: **F**  
W/O Lock: **C** No lock at door; drawer lock only

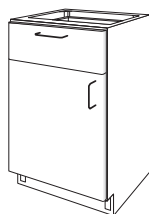
All Drawer Units

With Lock: **F**

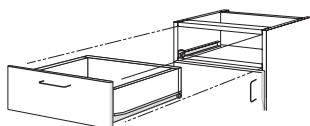
\*Drawer units are **not** available without locks

## 1 Cabinet Front

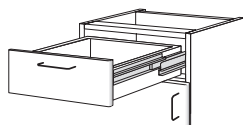
Flush Overlay Door/  
Drawer head style  
with radiused vertical  
edge profile  
Steel Flush Overlay  
cabinet fronts provide  
modern styling with  
tight reveals between  
doors and drawers.



## 2 Drawer Suspension



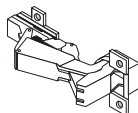
- Self-closing, self-centering, hold-open feature 100 lb. drawer runs.  
– **Standard Default**



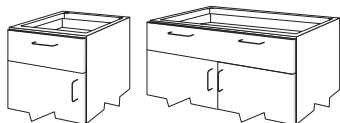
- SEFA 8 – Accuride (or equal)  
150 lb. full-extension drawer slides.

## 3 Door Hinges

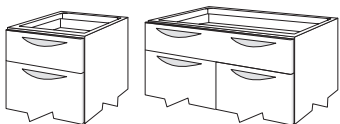
Concealed Hinge  
– **Standard Default**



## 4 Pull Direction at Doors



- **Configuration 1**  
Horizontal on drawers, vertical on doors.



- **Configuration 2 (Waterfall only)**  
Horizontal on drawers and base cabinet doors.

Wall, upper and tall cases  
always have vertical pulls.

## 5 Pull Types Configuration 1 & 2 Only



- **Configuration 1**  
**Wire Aluminum**  
Part No. 00028098



- **Configuration 1**  
**Large Sweep Matte Chrome Wire**  
Part No. 00028143



- **Configuration 1**  
**Small Sweep Matte**  
**Stainless Steel Wire**  
Part No. 00028147



- **Configuration 1**  
**Slotted Nickel Matte**  
Part No. 00028145



- **Configuration 1**  
**Contour Matte Stainless Steel**  
Part No. 00028146

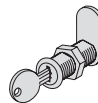


- **Configuration 2**  
**Waterfall Nickel Matte**  
Part No. 00028144

## 6 Lock Types

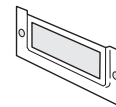
- Designated by suffix
- Master® 5-disc  
– **Standard Default**  
Use when up to 225 key changes  
are required (master keyed).
- Master® 5-pin\*
- Grand Master® 5-pin\*

\*Use when up to 2000 primary key  
changes are required; 8-week lead  
time. Lock keying is determined by  
lock schedule.



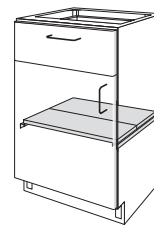
## 7 Label Holders

- None  
– **Standard Default**
- One per door, one  
each drawer head:  
Stainless Steel  
Black  
Goldtone
- One per pair of doors,  
one each drawer head  
Stainless Steel  
Black  
Goldtone
- Full width on drawers, aluminum



## 8 Base Unit Shelves

- One-piece  
– **Standard Default**
- Split, 2-piece

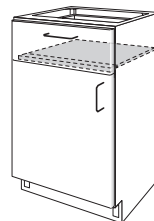


## 9 Glass

- Float glass – clear 6mm.  
– **Standard Default**
- Safety glass – laminated 6mm.
- Safety glass – tempered 6mm.

## 10 Security Panels

- Without  
security panel.  
– **Standard Default**
- With security panel.



## Locking Suffixes

Insert appropriate letter in the 8<sup>th</sup>  
position of the product number.

### Cupboard Units

With Lock: **L**  
W/O Lock: **Q**

### Combination Units (Drawer over Door)

With Lock: **F**  
W/O Lock: **C**

### All Drawer Units

With Lock: **Z**  
W/O Lock: **C**

1

Cabinet Front and/or Drawer Style

■ Flush Overlay (Rege – Standard Default  
Flush overlay cabin modern styling with between doors and

■ Lipped Overlay (Leg Intermediate and co direction. Lipped ov combine traditional

■ Radius Overlay (Pro Fronts with exposed edges and flush ove

■ Plastic Laminate Flu

2

Veneer Type

■ Plain-Sliced Red Oak – Standard Default

■ Rift-Cut Red Oak

■ Plain-sliced select White Maple

■ Rotary-sliced select White Maple

■ Black

■ Grey

■ Chameleon

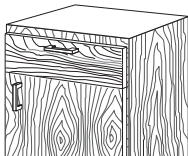
■ White

■ With

3

Grain Direction

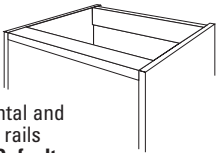
■ Combination – Standard Default



6

Cabinet Top Frame

■ Front horizontal and rear vertical rails – Standard Default



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front e furnished ets, and

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front e furnished ets, and

ails

For wood laboratory casework information, please access the

Hamilton Scientific Wood Product Specification Catalog

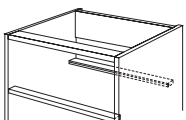
or consult your local sales representative for assistance.

www.hamiltonscientific.com

**9 Security Panels**

Only available on locked cabinets.

- Without –  
– **Standard Default**  
(21.5" deep base cabinets).



- With –  
(Including front/ rear  
– **Standard Default** (15" base cabinets with locks)

**10 Removal**

- One-piece  
48" wide drawers or  
– **Standard**
- Two-piece  
behind cup

**10a Fixed Base and Upper**

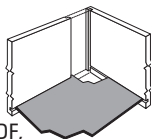
- Veneer M  
– **Standard**
- Tempered

**11 Drawer Construction**

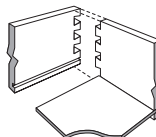
- Standard H  
– **Standard**
- Extended H

**12 Drawer Construction**

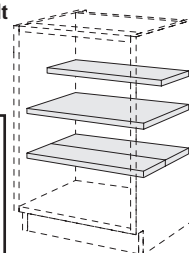
- Lock Joint  
5mm white finished  
MDF, no divider  
grooves. –  
– **Standard Default**
- Lock Joint  
5mm white finished MDF,  
with divider grooves.
- Lock Joint  
5mm tempered hardboard bottom, no  
divider grooves.
- Lock Joint  
5mm tempered hardboard bottom, with  
divider grooves.

**12 Drawer Construction – Drawer Joinery (Continued)**

- Multiple Dovetail  
5mm white PVC  
clad MDF, no divider  
grooves.
- Multiple Dovetail  
5mm white PVC clad  
MDF, with divider

**15 Base Cabinet Shelf Depth**

- Half-depth  
12" Shelf  
– **Standard Default**  
Half-depth  
shelves  
accommodate  
storage of tall



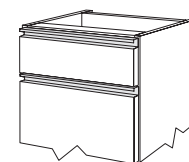
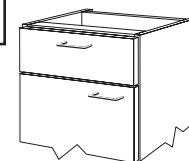
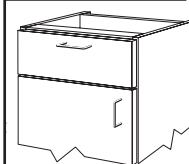
15"

1/2" thick.

100 lb. rating.

Two sets are  
with shelves.

Key

**Pull Direction**

- Configuration 3\*  
Full-width,  
horizontal on  
drawers, vertical  
on doors.

Wall, upper  
and tall cases always  
have vertical pulls.

For wood laboratory casework information,  
please access the

## Hamilton Scientific Wood Product Specification Catalog

or consult your local sales representative for assistance.

[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

self-closing, epoxy-coated.

**14 Shelf Material**

Veneer core plywood construction.  
15" deep base cabinets are provided with  
12" deep shelf only – half/split depth shelf  
options not available.

- Wood – **Standard Default**
- Steel Color – Cognac  
Adjustable shelves only; veneer core  
plywood on fixed shelves.

19a Pull Types

Available in Configuration 1 & 2 Only

- Black wire powdercoat – Standard Default
- Goldtone wire – p
- Stainless steel wi
- Satin chrome wir
- Polished chrome
- Brite chrome wire (chrome powderc
- Dove grey wire
- Chameleon wire
- Aluminum wire
- Brushed aluminum rectangular style



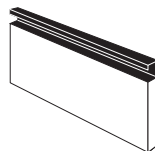
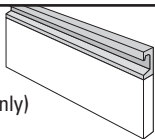
- Semi-recessed polypropylene (Regency flush ov
- Profile radius and laminate flush overlay only)
- Black
- Grey
- Chameleon
- White

- Flush aluminum (Regency flush ov
- Profile radius and laminate flush overlay only)

19b Pull Types

Available in Con

- Flush full-width aluminum (Regency flush and laminate fl
- only)
- Flush full-width solid hardwood integral pull (Regency flush overlay and profile radius flush overlay only)
- Flush full-width black (Regency flush overlay only)



20 Door Hinges

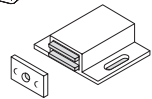
5-Knuckle steel hinges offer proven long-term durability in a variety of attractive finishes.

5-Knuckle

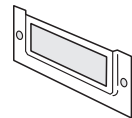


23 Catches

- Roller – Standard Default
- Magnetic



inges)



th and  
e pulls are

ll, upper and  
nd upper

6mm on all

3mm on wall,  
n on wall and  
glass.

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For wood laboratory casework information,  
please access the

Hamilton Scientific

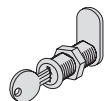
Wood Product Specification Catalog

or consult your local sales representative for assistance.

[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

22 Lock Type

- Designated by suffix
- Master® 5-disc – Standard Default
- Use when up to 225 key changes are required (master keyed).
- Master® 5-pin\*
- Grand Master® 5-pin\*



\*Use when up to 2000 primary key changes are required; 8-week lead time. Lock keying is determined by lock schedule.

Locking Suffixes

Insert appropriate letter in the 8<sup>th</sup> position of the product number.

Cupboard Units

With Lock: **L**  
W/O Lock: **Q**

Combination Units (Drawer over Door)

With Lock: **F**  
W/O Lock: **C**

All Drawer Units

With Lock: **Z**  
\*Drawer units are **not** available without locks



**System Colors and Cabinet Options**

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Proper selection of work surface material is critical in creating a functional laboratory.

Work surface options include epoxy resin, phenolic resin, high-pressure laminate or glass.

See Work Surfaces section, page 59.

**Accessories**

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Key service delivery components including ceiling panels, quick-connect fixtures and service lines are included in this section.

Other accessories, including modesty panels, lighting and computer support arms make the Hamilton Distinction system more comfortable and convenient for paperwork tasks.

For additional laboratory accessories refer to the Hamilton Scientific Fixtures and Accessories Catalog.

**UL 962 Listing**

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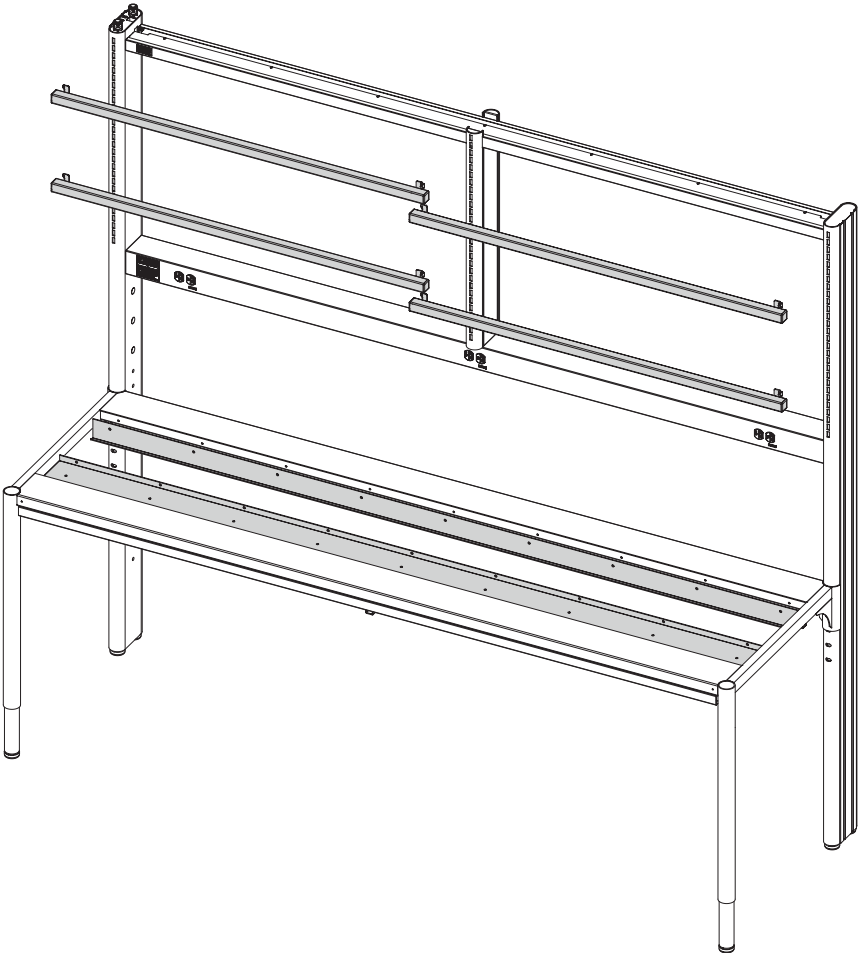
The completely assembled lab bench and only certain accessories are UL 962 Listed. The accessories by themselves are not UL Listed, and some accessories are not part of the UL Listing.

Service fixtures and quick-connects must be ordered separately and field installed. Service fixtures and quick-connects are not part of the UL Listing.

See individual pages for information on UL 962 pertaining to each product.

Bench assemblies utilize free-standing modular support structures to support work surfaces and storage components.

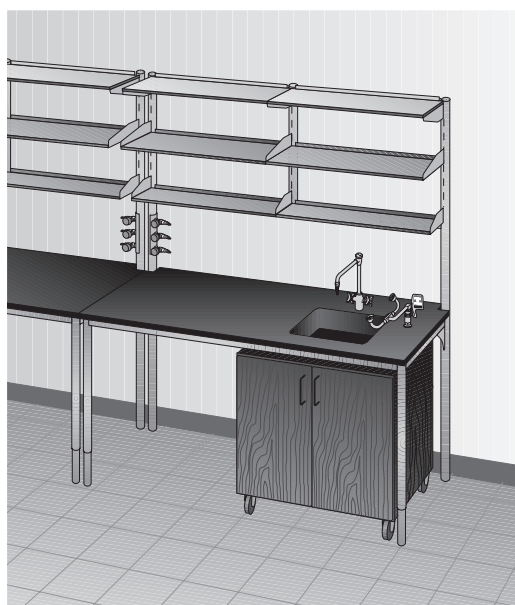
Bench Frames Without Uprights . . . .	p. 18-29
Rear Frame Assemblies . . . . .	p. 20-28
Shared Frame Assemblies . . . . .	p. 29-33
Wall Mount Units . . . . .	p. 34
Suspended Units . . . . .	p. 34






Four-post bench frames are freestanding structures without uprights for supporting overhead storage shelving and services.

**Bench Frames without Uprights** ..... p. 18-19



- Stainless steel or powdercoated steel finish
- Height adjustments are 31", 33", 35" and 37" (including 1" top)
- 2" tubular legs with levelers
- Modesty panel is optional, see Accessories section
- Depth provides for a 30" deep work surface
- For work surfaces, see Work Surfaces section
- For lower cabinets, see Lower Storage section
- **UL 962 Listed**



**LISTED**  
20FC

**DISTINCTION BENCH SYSTEM**  
POWERED FURNITURE  
FOR COMMERCIAL USE ONLY  
Fisher Hamilton LLC Two Rivers, WI

**PRODUCT NUMBER**

**MFG DATE**

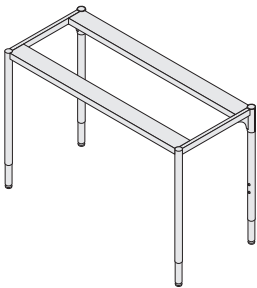
RATINGS: 120/240 V, 16 AMPS PER CIRCUIT  
MAX PRESSURE: 120 PSI MAX TEMP: 66°C  
\*INSTALLATION AND USAGE OF THE SERVICE LINES TO MEET ALL APPLICABLE NATIONAL AND LOCAL CODES.

WARNING!

MAX. LOAD 600 LBS WORKSURFACE  
MAX. LOAD 100 LBS SHELVING  
MAX. LOAD 150 LBS CABINETS

PL-981
JULY 11
P/N-70983

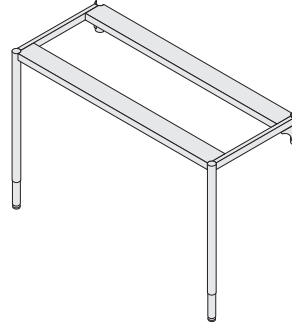
## Four-Post Bench Frames



- Adjustable height table frame for stand-alone applications
- Bench frames are field assembled to leg kit
- **UL 962 Listed**

Product No.	Width
<b>Painted Steel Frame</b>	
549H0042	41-3/4" (1061mm)
549H0048	47-3/4" (1213mm)
549H0060	59-3/4" (1518mm)
549H0072	71-3/4" (1822mm)
549H0096	95-3/4" (2432mm)
<b>Stainless Steel Frame</b>	
549H0042SS	41-3/4" (1061mm)
549H0048SS	47-3/4" (1213mm)
549H0060SS	59-3/4" (1518mm)
549H0072SS	71-3/4" (1822mm)
549H0096SS	95-3/4" (2432mm)

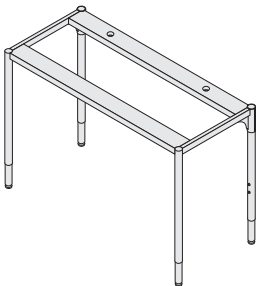
## Two-Post Bench Frames



- Adjustable height bench frame for application with rear frame assemblies
- **UL 962 Listed**

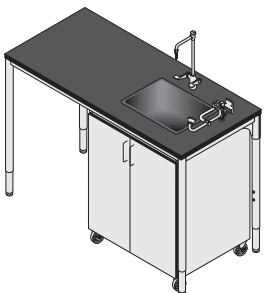
Product No.	Width
<b>Painted Steel Frame</b>	
549H0142	41-3/4" (1061mm)
549H0148	47-3/4" (1213mm)
549H0160	59-3/4" (1518mm)
549H0172	71-3/4" (1822mm)
549H0196	95-3/4" (2432mm)
<b>Stainless Steel Frame</b>	
549H0142SS	41-3/4" (1061mm)
549H0148SS	47-3/4" (1213mm)
549H0160SS	59-3/4" (1518mm)
549H0172SS	71-3/4" (1822mm)
549H0196SS	95-3/4" (2432mm)

## Four-Post Sink Bench Frames

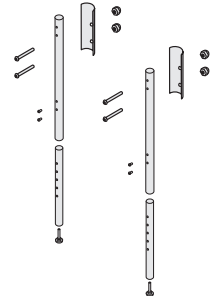


- Adjustable height table frame for application with sink in work surface
- Two fixture cutouts in back horizontal rail
- Bench frames are field assembled to leg kit
- **UL 962 Listed**

Product No.	Width
<b>Painted Steel Frame</b>	
549H8442	41-3/4" (1061mm)
549H8448	47-3/4" (1213mm)
549H8460	59-3/4" (1518mm)
549H8472	71-3/4" (1822mm)
549H8496	95-3/4" (2432mm)
<b>Stainless Steel Frame</b>	
549H8442SS	41-3/4" (1061mm)
549H8448SS	47-3/4" (1213mm)
549H8460SS	59-3/4" (1518mm)
549H8472SS	71-3/4" (1822mm)
549H8496SS	95-3/4" (2432mm)



## Four-Post Bench Leg Kit

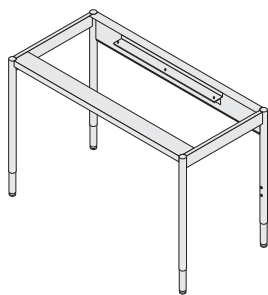


- Adjustable height tubular leg kit for converting a two-post bench frame to a four-post bench
- Hardware to attach to the two-post bench frames included

Product No.
<b>Painted Steel</b>
549H0200
<b>Stainless Steel</b>
549H0200SS

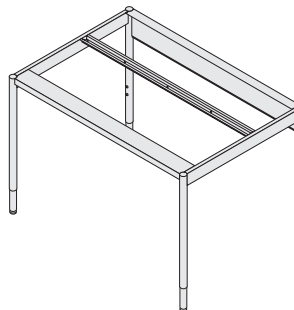
- Stainless steel or powdercoated steel finish
- Height adjustments are 31", 33", 35" and 37"
- 2" tubular legs with levelers
- Modesty panel is optional, see Accessories section
- For fume hood superstructures, see Fume Hood section
- For work surfaces, see Page 59
- For lower cabinets, see Lower Storage section

### Four-Post Fume Hood Bench Frames



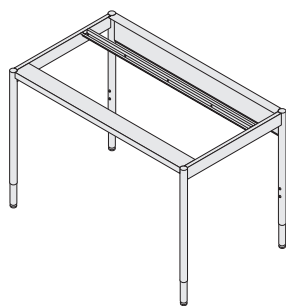
- Adjustable height bench frame for supporting a fume hood.
- Depth: 29"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8148	47-3/4" (1213mm)
549H8160	59-3/4" (1518mm)
549H8172	71-3/4" (1822mm)
<b>Stainless Steel Frame</b>	
549H8148SS	47-3/4" (1213mm)
549H8160SS	59-3/4" (1518mm)
549H8172SS	71-3/4" (1822mm)



- Adjustable height bench frame for supporting a fume hood.
- Depth: 41"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8348	47-3/4" (1213mm)
549H8360	59-3/4" (1518mm)
549H8372	71-3/4" (1822mm)
<b>Stainless Steel Frame</b>	
549H8348SS	47-3/4" (1213mm)
549H8360SS	59-3/4" (1518mm)
549H8372SS	71-3/4" (1822mm)



- Adjustable height bench frame for supporting a fume hood.
- Depth: 35"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8248	47-3/4" (1213mm)
549H8260	59-3/4" (1518mm)
549H8272	71-3/4" (1822mm)
<b>Stainless Steel Frame</b>	
549H8248SS	47-3/4" (1213mm)
549H8260SS	59-3/4" (1518mm)
549H8272SS	71-3/4" (1822mm)

Single structural frame assemblies become freestanding structures when combined with two-post bench frames. Attachment hardware included.

Single frames are available in painted steel or stainless steel.

Painted and stainless steel frames can have none, one, two or three 1/4" diameter copper tubing service lines with chrome plated brass fittings. Unions, reducers, disconnects and service fixtures are installed by others.

Raceway Outlets

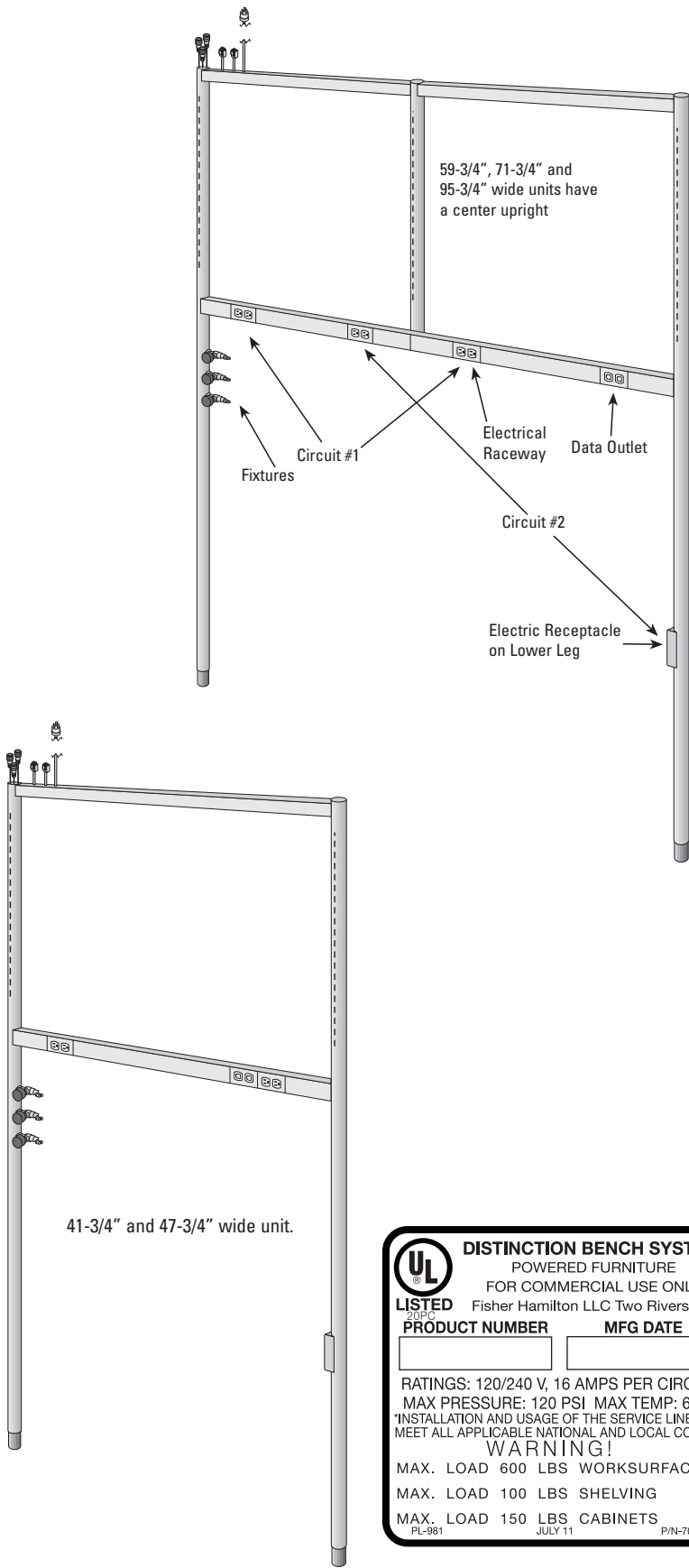
Width	(Duplex) Electrical	(Double) Telecommunications
41-3/4"	2	1
47-3/4"	2	1
59-3/4"	3	1
71-3/4"	3	1
95-3/4"	4	1


**Single Frame Assemblies**  
Raceways for the single frames are to have two 20 amp hospital grade duplexes on the horizontal raceway on the 42" and 48" units, three 20 amp hospital grade duplexes on the 60", 72" and 96" wide units and an optional 20 amp duplex outlet located in the vertical uprghit under the work surface.

Single frames are equipped with 3-prong, twist-lock power cords:  
1 circuit – 1 power cord – 16 AMP  
2 circuit – 2 power cords – 16 AMP

**Color**  
All duplexes are grey in color with the exception of 20A outlets on the lower and uprights of single frames, which are black.

Single Frame Assemblies . . . . . p. 20-28





**UL**  
LISTED

**DISTINCTION BENCH SYSTEM**  
POWERED FURNITURE  
FOR COMMERCIAL USE ONLY  
Fisher Hamilton LLC Two Rivers, WI

PRODUCT NUMBER

MFG DATE

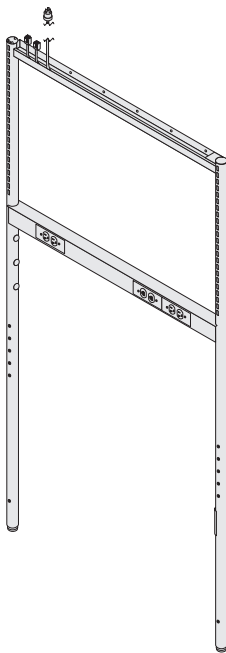
RATINGS: 120/240 V, 16 AMPS PER CIRCUIT  
MAX PRESSURE: 120 PSI MAX TEMP: 66°C  
\*INSTALLATION AND USAGE OF THE SERVICE LINES TO MEET ALL APPLICABLE NATIONAL AND LOCAL CODES.

**WARNING!**  
MAX. LOAD 600 LBS WORKSURFACE  
MAX. LOAD 100 LBS SHELVING  
MAX. LOAD 150 LBS CABINETS

PL-981 JULY 11 P/N-70983

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly – Without Receptacle or Fixtures



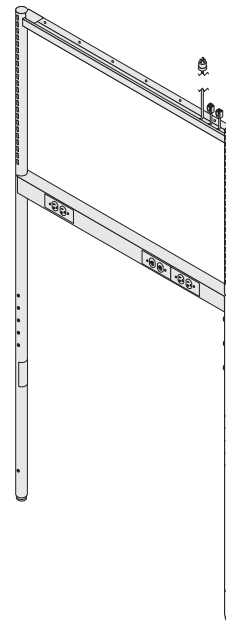
- Plugged holes for fixtures in left upright and covered opening for receptacle in right upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1142	41-3/4" (1061mm)
549H1148	47-3/4" (1213mm)
549H1160	59-3/4" (1518mm)
549H1172	71-3/4" (1822mm)
549H1196	95-3/4" (2432mm)
Stainless Steel Frame	
549H1142SS	41-3/4" (1061mm)
549H1148SS	47-3/4" (1213mm)
549H1160SS	59-3/4" (1518mm)
549H1172SS	71-3/4" (1822mm)
549H1196SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2742	41-3/4" (1061mm)
549H2748	47-3/4" (1213mm)
549H2760	59-3/4" (1518mm)
549H2772	71-3/4" (1822mm)
549H2796	95-3/4" (2432mm)
Stainless Steel Frame	
549H2742SS	41-3/4" (1061mm)
549H2748SS	47-3/4" (1213mm)
549H2760SS	59-3/4" (1518mm)
549H2772SS	71-3/4" (1822mm)
549H2796SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1160A	59-3/4" (1524mm)
549H1172A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1160SSA	59-3/4" (1524mm)
549H1172SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2760A	59-3/4" (1524mm)
549H2772A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2760SSA	59-3/4" (1524mm)
549H2772SSA	71-3/4" (1829mm)

### Right Single Frame Assembly – Without Receptacle or Fixtures



- Plugged holes for fixtures in right upright and covered opening for receptacle in left upright.

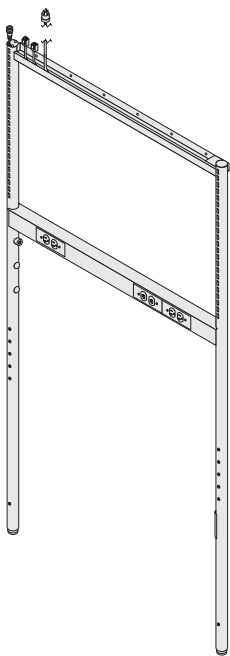
Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1242	41-3/4" (1061mm)
549H1248	47-3/4" (1213mm)
549H1260	59-3/4" (1518mm)
549H1272	71-3/4" (1822mm)
549H1296	95-3/4" (2432mm)
Stainless Steel Frame	
549H1242SS	41-3/4" (1061mm)
549H1248SS	47-3/4" (1213mm)
549H1260SS	59-3/4" (1518mm)
549H1272SS	71-3/4" (1822mm)
549H1296SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2842	41-3/4" (1061mm)
549H2848	47-3/4" (1213mm)
549H2860	59-3/4" (1518mm)
549H2872	71-3/4" (1822mm)
549H2896	95-3/4" (2432mm)
Stainless Steel Frame	
549H2842SS	41-3/4" (1061mm)
549H2848SS	47-3/4" (1213mm)
549H2860SS	59-3/4" (1518mm)
549H2872SS	71-3/4" (1822mm)
549H2896SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1260A	59-3/4" (1524mm)
549H1272A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1260SSA	59-3/4" (1524mm)
549H1272SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2860A	59-3/4" (1524mm)
549H2872A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2860SSA	59-3/4" (1524mm)
549H2872SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly — Without Receptacle and with One Fixture



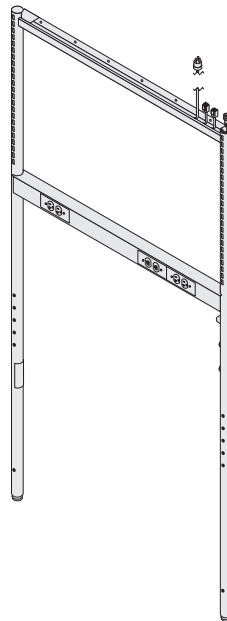
- One fixture outlet and two plugged holes for fixtures in left upright and covered opening for receptacle in right upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1342	41-3/4" (1061mm)
549H1348	47-3/4" (1213mm)
549H1360	59-3/4" (1518mm)
549H1372	71-3/4" (1822mm)
549H1396	95-3/4" (2432mm)
Stainless Steel Frame	
549H1342SS	41-3/4" (1061mm)
549H1348SS	47-3/4" (1213mm)
549H1360SS	59-3/4" (1518mm)
549H1372SS	71-3/4" (1822mm)
549H1396SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2942	41-3/4" (1061mm)
549H2948	47-3/4" (1213mm)
549H2960	59-3/4" (1518mm)
549H2972	71-3/4" (1822mm)
549H2996	95-3/4" (2432mm)
Stainless Steel Frame	
549H2942SS	41-3/4" (1061mm)
549H2948SS	47-3/4" (1213mm)
549H2960SS	59-3/4" (1518mm)
549H2972SS	71-3/4" (1822mm)
549H2996SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1360A	59-3/4" (1524mm)
549H1372A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1360SSA	59-3/4" (1524mm)
549H1372SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2960A	59-3/4" (1524mm)
549H2972A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2960SSA	59-3/4" (1524mm)
549H2972SSA	71-3/4" (1829mm)

### Right Single Frame Assembly — Without Receptacle and with One Fixture



- One fixture outlet and two plugged holes for fixtures in right upright and covered opening for receptacle in left upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1442	41-3/4" (1061mm)
549H1448	47-3/4" (1213mm)
549H1460	59-3/4" (1518mm)
549H1472	71-3/4" (1822mm)
549H1496	95-3/4" (2432mm)
Stainless Steel Frame	
549H1442SS	41-3/4" (1061mm)
549H1448SS	47-3/4" (1213mm)
549H1460SS	59-3/4" (1518mm)
549H1472SS	71-3/4" (1822mm)
549H1496SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3042	41-3/4" (1061mm)
549H3048	47-3/4" (1213mm)
549H3060	59-3/4" (1518mm)
549H3072	71-3/4" (1822mm)
549H3096	95-3/4" (2432mm)
Stainless Steel Frame	
549H3042SS	41-3/4" (1061mm)
549H3048SS	47-3/4" (1213mm)
549H3060SS	59-3/4" (1518mm)
549H3072SS	71-3/4" (1822mm)
549H3096SS	95-3/4" (2432mm)

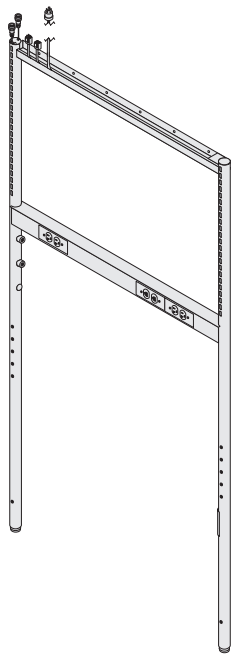
- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1460A	59-3/4" (1524mm)
549H1472A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1460SSA	59-3/4" (1524mm)
549H1472SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3060A	59-3/4" (1524mm)
549H3072A	71-3/4" (1829mm)
Stainless Steel Frame	
549H3060SSA	59-3/4" (1524mm)
549H2272SSA	71-3/4" (1829mm)



- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly – Without Receptacle and with Two Fixtures



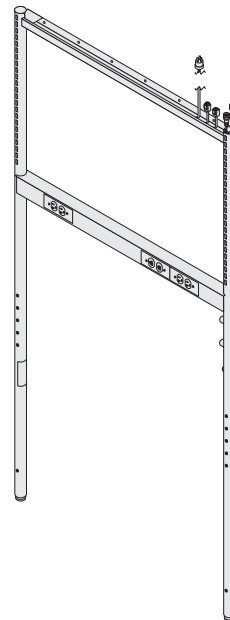
- Two fixture outlets and one plugged hole for fixture in left upright and covered opening for receptacle in right upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1542	41-3/4" (1061mm)
549H1548	47-3/4" (1213mm)
549H1560	59-3/4" (1518mm)
549H1572	71-3/4" (1822mm)
549H1596	95-3/4" (2432mm)
Stainless Steel Frame	
549H1542SS	41-3/4" (1061mm)
549H1548SS	47-3/4" (1213mm)
549H1560SS	59-3/4" (1518mm)
549H1572SS	71-3/4" (1822mm)
549H1596SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3142	41-3/4" (1061mm)
549H3148	47-3/4" (1213mm)
549H3160	59-3/4" (1518mm)
549H3172	71-3/4" (1822mm)
549H3196	95-3/4" (2432mm)
Stainless Steel Frame	
549H3142SS	41-3/4" (1061mm)
549H3148SS	47-3/4" (1213mm)
549H3160SS	59-3/4" (1518mm)
549H3172SS	71-3/4" (1822mm)
549H3196SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1560A	59-3/4" (1524mm)
549H1572A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1560SSA	59-3/4" (1524mm)
549H1572SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3160A	59-3/4" (1524mm)
549H3172A	71-3/4" (1829mm)
Stainless Steel Frame	
549H3160SSA	59-3/4" (1524mm)
549H3172SSA	71-3/4" (1829mm)

### Right Single Frame Assembly – Without Receptacle and with Two Fixtures



- Two fixture outlets and one plugged hole for fixture in right upright and covered opening for receptacle in left upright.

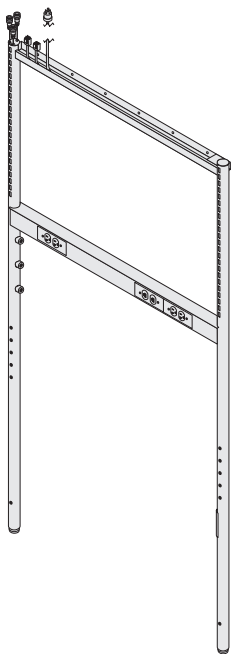
Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1642	41-3/4" (1061mm)
549H1648	47-3/4" (1213mm)
549H1660	59-3/4" (1518mm)
549H1672	71-3/4" (1822mm)
549H1696	95-3/4" (2432mm)
Stainless Steel Frame	
549H1642SS	41-3/4" (1061mm)
549H1648SS	47-3/4" (1213mm)
549H1660SS	59-3/4" (1518mm)
549H1672SS	71-3/4" (1822mm)
549H1696SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3242	41-3/4" (1061mm)
549H3248	47-3/4" (1213mm)
549H3260	59-3/4" (1518mm)
549H3272	71-3/4" (1822mm)
549H3296	95-3/4" (2432mm)
Stainless Steel Frame	
549H3242SS	41-3/4" (1061mm)
549H3248SS	47-3/4" (1213mm)
549H3260SS	59-3/4" (1518mm)
549H3272SS	71-3/4" (1822mm)
549H3296SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1660A	59-3/4" (1524mm)
549H1672A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1660SSA	59-3/4" (1524mm)
549H1672SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3260A	59-3/4" (1524mm)
549H3272A	71-3/4" (1829mm)
Stainless Steel Frame	
549H3260SSA	59-3/4" (1524mm)
549H3272SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly – Without Receptacle and with Three Fixtures



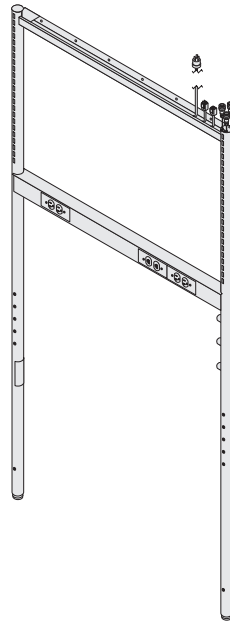
- Three fixture outlets in left upright and covered opening for receptacle in right upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1742	41-3/4" (1061mm)
549H1748	47-3/4" (1213mm)
549H1760	59-3/4" (1518mm)
549H1772	71-3/4" (1822mm)
549H1796	95-3/4" (2432mm)
Stainless Steel Frame	
549H1742SS	41-3/4" (1061mm)
549H1748SS	47-3/4" (1213mm)
549H1760SS	59-3/4" (1518mm)
549H1772SS	71-3/4" (1822mm)
549H1796SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3342	41-3/4" (1061mm)
549H3348	47-3/4" (1213mm)
549H3360	59-3/4" (1518mm)
549H3372	71-3/4" (1822mm)
549H3396	95-3/4" (2432mm)
Stainless Steel Frame	
549H3342SS	41-3/4" (1061mm)
549H3348SS	47-3/4" (1213mm)
549H3360SS	59-3/4" (1518mm)
549H3372SS	71-3/4" (1822mm)
549H3396SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1760A	59-3/4" (1524mm)
549H1772A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1760SSA	59-3/4" (1524mm)
549H1772SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3360A	59-3/4" (1524mm)
549H3372A	71-3/4" (1829mm)
Stainless Steel Frame	
549H3360SSA	59-3/4" (1524mm)
549H3372SSA	71-3/4" (1829mm)

### Right Single Frame Assembly – Without Receptacle and with Three Fixtures



- Three fixture outlets in right upright and covered opening for receptacle in left upright.

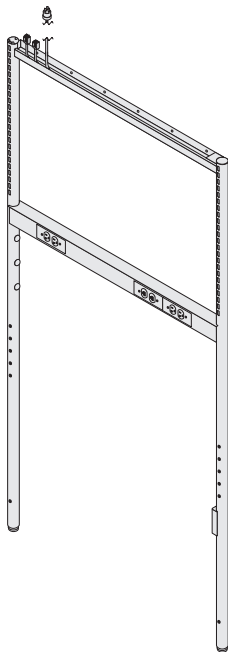
Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1842	41-3/4" (1061mm)
549H1848	47-3/4" (1213mm)
549H1860	59-3/4" (1518mm)
549H1872	71-3/4" (1822mm)
549H1896	95-3/4" (2432mm)
Stainless Steel Frame	
549H1842SS	41-3/4" (1061mm)
549H1848SS	47-3/4" (1213mm)
549H1860SS	59-3/4" (1518mm)
549H1872SS	71-3/4" (1822mm)
549H1896SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3442	41-3/4" (1061mm)
549H3448	47-3/4" (1213mm)
549H3460	59-3/4" (1518mm)
549H3472	71-3/4" (1822mm)
549H3496	95-3/4" (2432mm)
Stainless Steel Frame	
549H3442SS	41-3/4" (1061mm)
549H3448SS	47-3/4" (1213mm)
549H3460SS	59-3/4" (1518mm)
549H3472SS	71-3/4" (1822mm)
549H3496SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1860A	59-3/4" (1524mm)
549H1872A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1860SSA	59-3/4" (1524mm)
549H1872SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H3460A	59-3/4" (1524mm)
549H3472A	71-3/4" (1829mm)
Stainless Steel Frame	
549H3460SSA	59-3/4" (1524mm)
549H3472SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly – With One Receptacle and Without Fixtures



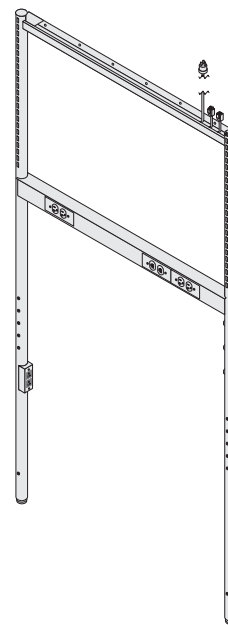
- Plugged holes for fixtures in left upright and one receptacle in right upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0342	41-3/4" (1061mm)
549H0348	47-3/4" (1213mm)
549H0360	59-3/4" (1518mm)
549H0372	71-3/4" (1822mm)
549H0396	95-3/4" (2432mm)
Stainless Steel Frame	
549H0342SS	41-3/4" (1061mm)
549H0348SS	47-3/4" (1213mm)
549H0360SS	59-3/4" (1518mm)
549H0372SS	71-3/4" (1822mm)
549H0396SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H1942	41-3/4" (1061mm)
549H1948	47-3/4" (1213mm)
549H1960	59-3/4" (1518mm)
549H1972	71-3/4" (1822mm)
549H1996	95-3/4" (2432mm)
Stainless Steel Frame	
549H1942SS	41-3/4" (1061mm)
549H1948SS	47-3/4" (1213mm)
549H1960SS	59-3/4" (1518mm)
549H1972SS	71-3/4" (1822mm)
549H1996SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0360A	59-3/4" (1524mm)
549H0372A	71-3/4" (1829mm)
Stainless Steel Frame	
549H0360SSA	59-3/4" (1524mm)
549H0372SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H1960A	59-3/4" (1524mm)
549H1972A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1960SSA	59-3/4" (1524mm)
549H1972SSA	71-3/4" (1829mm)

### Right Single Frame Assembly – With One Receptacle and Without Fixtures



- Plugged holes for fixtures in right upright and one receptacle in left upright

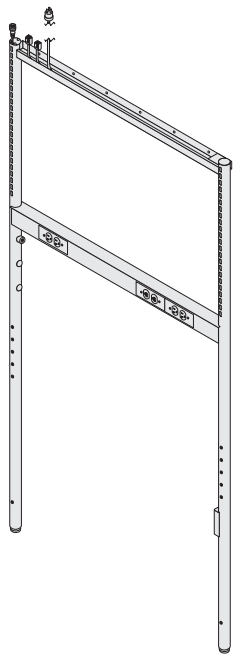
Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0442	41-3/4" (1061mm)
549H0448	47-3/4" (1213mm)
549H0460	59-3/4" (1518mm)
549H0472	71-3/4" (1822mm)
549H0496	95-3/4" (2432mm)
Stainless Steel Frame	
549H0442SS	41-3/4" (1061mm)
549H0448SS	47-3/4" (1213mm)
549H0460SS	59-3/4" (1518mm)
549H0472SS	71-3/4" (1822mm)
549H0496SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2042	41-3/4" (1061mm)
549H2048	47-3/4" (1213mm)
549H2060	59-3/4" (1518mm)
549H2072	71-3/4" (1822mm)
549H2096	95-3/4" (2432mm)
Stainless Steel Frame	
549H2042SS	41-3/4" (1061mm)
549H2048SS	47-3/4" (1213mm)
549H2060SS	59-3/4" (1518mm)
549H2072SS	71-3/4" (1822mm)
549H2096SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0460A	59-3/4" (1524mm)
549H0472A	71-3/4" (1829mm)
Stainless Steel Frame	
549H0460SSA	59-3/4" (1524mm)
549H0472SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2060A	59-3/4" (1524mm)
549H2072A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2060SSA	59-3/4" (1524mm)
549H2072SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly — With One Receptacle and One Fixture



- One fixture outlet and plugged holes for two fixtures in left upright and one receptacle in right upright

Product No.	Width
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#### Single-Circuit

##### Painted Steel Frame

549H0542	41-3/4" (1061mm)
549H0548	47-3/4" (1213mm)
549H0560	59-3/4" (1518mm)
549H0572	71-3/4" (1822mm)
549H0596	95-3/4" (2432mm)

##### Stainless Steel Frame

549H0542SS	41-3/4" (1061mm)
549H0548SS	47-3/4" (1213mm)
549H0560SS	59-3/4" (1518mm)
549H0572SS	71-3/4" (1822mm)
549H0596SS	95-3/4" (2432mm)

#### Double-Circuit

##### Painted Steel Frame

549H2142	41-3/4" (1061mm)
549H2148	47-3/4" (1213mm)
549H2160	59-3/4" (1518mm)
549H2172	71-3/4" (1822mm)
549H2196	95-3/4" (2432mm)

##### Stainless Steel Frame

549H2142SS	41-3/4" (1061mm)
549H2148SS	47-3/4" (1213mm)
549H2160SS	59-3/4" (1518mm)
549H2172SS	71-3/4" (1822mm)
549H2196SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
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#### Single-Circuit

##### Painted Steel Frame

549H0560A	59-3/4" (1524mm)
549H0572A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H0560SSA	59-3/4" (1524mm)
549H0572SSA	71-3/4" (1829mm)

#### Double-Circuit

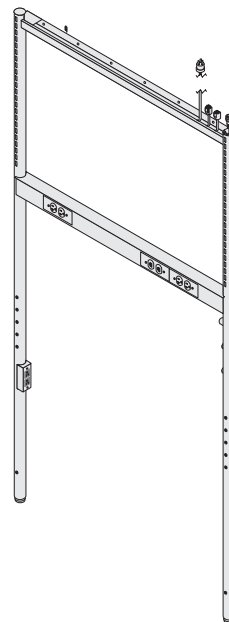
##### Painted Steel Frame

549H2160A	59-3/4" (1524mm)
549H2172A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H2160SSA	59-3/4" (1524mm)
549H2172SSA	71-3/4" (1829mm)

### Right Single Frame Assembly — With One Receptacle and One Fixture



- One fixture outlet and two plugged holes for fixtures in right upright and one receptacle in left upright

Product No.	Width
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#### Single-Circuit

##### Painted Steel Frame

549H0642	41-3/4" (1061mm)
549H0648	47-3/4" (1213mm)
549H0660	59-3/4" (1518mm)
549H0672	71-3/4" (1822mm)
549H0696	95-3/4" (2432mm)

##### Stainless Steel Frame

549H0642SS	41-3/4" (1061mm)
549H0648SS	47-3/4" (1213mm)
549H0660SS	59-3/4" (1518mm)
549H0672SS	71-3/4" (1822mm)
549H0696SS	95-3/4" (2432mm)

#### Double-Circuit

##### Painted Steel Frame

549H2242	41-3/4" (1061mm)
549H2248	47-3/4" (1213mm)
549H2260	59-3/4" (1518mm)
549H2272	71-3/4" (1822mm)
549H2296	95-3/4" (2432mm)

##### Stainless Steel Frame

549H2242SS	41-3/4" (1061mm)
549H2248SS	47-3/4" (1213mm)
549H2260SS	59-3/4" (1518mm)
549H2272SS	71-3/4" (1822mm)
549H2296SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
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#### Single-Circuit

##### Painted Steel Frame

549H0660A	59-3/4" (1524mm)
549H0672A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H0660SSA	59-3/4" (1524mm)
549H0672SSA	71-3/4" (1829mm)

#### Double-Circuit

##### Painted Steel Frame

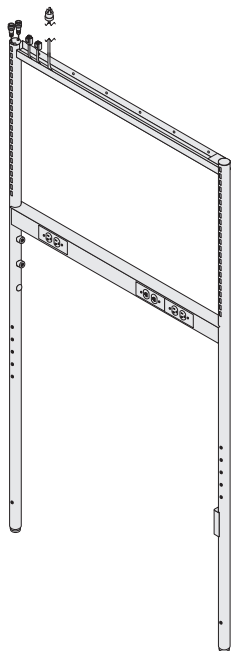
549H2260A	59-3/4" (1524mm)
549H2272A	71-3/4" (1829mm)

##### Stainless Steel Frame

549H2260SSA	59-3/4" (1524mm)
549H2272SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly — With One Receptacle and Two Fixtures



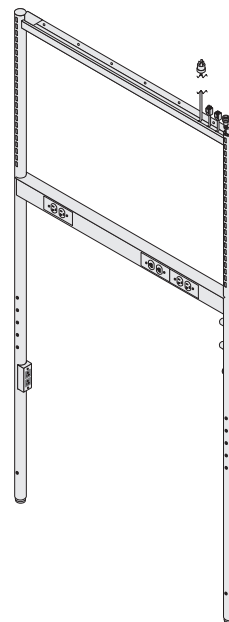
- Two fixture outlets and one plugged hole for fixture in left upright and one receptacle in right upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0742	41-3/4" (1061mm)
549H0748	47-3/4" (1213mm)
549H0760	59-3/4" (1518mm)
549H0772	71-3/4" (1822mm)
549H0796	95-3/4" (2432mm)
Stainless Steel Frame	
549H0742SS	41-3/4" (1061mm)
549H0748SS	47-3/4" (1213mm)
549H0760SS	59-3/4" (1518mm)
549H0772SS	71-3/4" (1822mm)
549H0796SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2342	41-3/4" (1061mm)
549H2348	47-3/4" (1213mm)
549H2360	59-3/4" (1518mm)
549H2372	71-3/4" (1822mm)
549H2396	95-3/4" (2432mm)
Stainless Steel Frame	
549H2342SS	41-3/4" (1061mm)
549H2348SS	47-3/4" (1213mm)
549H2360SS	59-3/4" (1518mm)
549H2372SS	71-3/4" (1822mm)
549H2396SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0760A	59-3/4" (1524mm)
549H0772A	71-3/4" (1829mm)
Stainless Steel Frame	
549H0760SSA	59-3/4" (1524mm)
549H0772SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2360A	59-3/4" (1524mm)
549H2372A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2360SSA	59-3/4" (1524mm)
549H2372SSA	71-3/4" (1829mm)

### Right Single Frame Assembly — With One Receptacle and Two Fixtures



- Two fixture outlets and one plugged hole for fixture in right upright and one receptacle in left upright

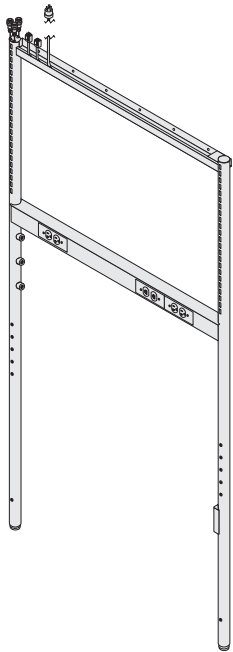
Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0842	41-3/4" (1061mm)
549H0848	47-3/4" (1213mm)
549H0860	59-3/4" (1518mm)
549H0872	71-3/4" (1822mm)
549H0896	95-3/4" (2432mm)
Stainless Steel Frame	
549H0842SS	41-3/4" (1061mm)
549H0848SS	47-3/4" (1213mm)
549H0860SS	59-3/4" (1518mm)
549H0872SS	71-3/4" (1822mm)
549H0896SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2442	41-3/4" (1061mm)
549H2448	47-3/4" (1213mm)
549H2460	59-3/4" (1518mm)
549H2472	71-3/4" (1822mm)
549H2496	95-3/4" (2432mm)
Stainless Steel Frame	
549H2442SS	41-3/4" (1061mm)
549H2448SS	47-3/4" (1213mm)
549H2460SS	59-3/4" (1518mm)
549H2472SS	71-3/4" (1822mm)
549H2496SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0860A	59-3/4" (1524mm)
549H0872A	71-3/4" (1829mm)
Stainless Steel Frame	
549H0860SSA	59-3/4" (1524mm)
549H0872SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2460A	59-3/4" (1524mm)
549H2472A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2460SSA	59-3/4" (1524mm)
549H2472SSA	71-3/4" (1829mm)

- Stainless steel or powdercoated steel finish
- 2" tubular legs with levelers
- Includes single or double circuit electric/telecommunications raceway with power cord routed to top of upright
- Modesty panel is optional, see Accessories section
- For upper shelving, see Upper Storage section
- Height is 84" (2134mm)
- Order service fixtures and quick-connects separately – for field installation
- UL 962 Listed

### Left Single Frame Assembly — With One Receptacle and Three Fixtures



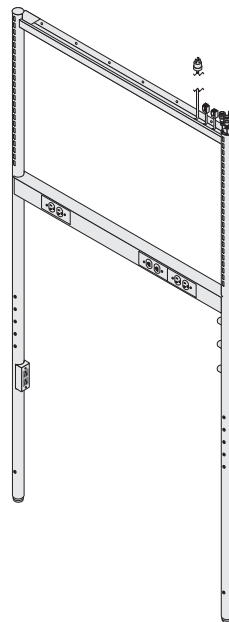
- Three fixture outlets in left upright and one receptacle in right upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0942	41-3/4" (1061mm)
549H0948	47-3/4" (1213mm)
549H0960	59-3/4" (1518mm)
549H0972	71-3/4" (1822mm)
549H0996	95-3/4" (2432mm)
Stainless Steel Frame	
549H0942SS	41-3/4" (1061mm)
549H0948SS	47-3/4" (1213mm)
549H0960SS	59-3/4" (1518mm)
549H0972SS	71-3/4" (1822mm)
549H0996SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2542	41-3/4" (1061mm)
549H2548	47-3/4" (1213mm)
549H2560	59-3/4" (1518mm)
549H2572	71-3/4" (1822mm)
549H2596	95-3/4" (2432mm)
Stainless Steel Frame	
549H2542SS	41-3/4" (1061mm)
549H2548SS	47-3/4" (1213mm)
549H2560SS	59-3/4" (1518mm)
549H2572SS	71-3/4" (1822mm)
549H2596SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H0960A	59-3/4" (1524mm)
549H0972A	71-3/4" (1829mm)
Stainless Steel Frame	
549H0960SSA	59-3/4" (1524mm)
549H0972SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2560A	59-3/4" (1524mm)
549H2572A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2560SSA	59-3/4" (1524mm)
549H2572SSA	71-3/4" (1829mm)

### Right Single Frame Assembly — With One Receptacle and Three Fixtures

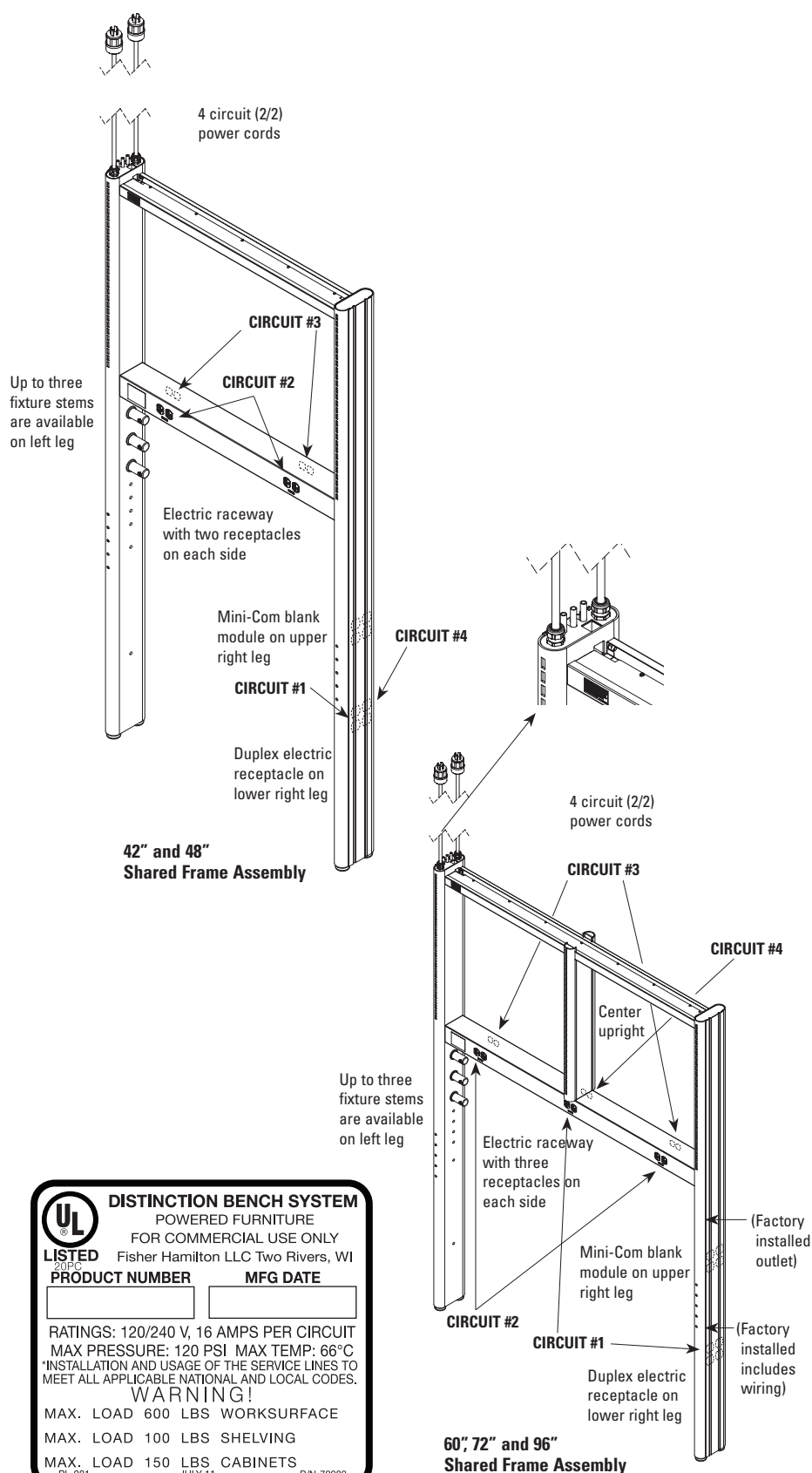


- Three fixture outlets in right upright and one receptacle in left upright.

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1042	41-3/4" (1061mm)
549H1048	47-3/4" (1213mm)
549H1060	59-3/4" (1518mm)
549H1072	71-3/4" (1822mm)
549H1096	95-3/4" (2432mm)
Stainless Steel Frame	
549H1042SS	41-3/4" (1061mm)
549H1048SS	47-3/4" (1213mm)
549H1060SS	59-3/4" (1518mm)
549H1072SS	71-3/4" (1822mm)
549H1096SS	95-3/4" (2432mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2642	41-3/4" (1061mm)
549H2648	47-3/4" (1213mm)
549H2660	59-3/4" (1518mm)
549H2672	71-3/4" (1822mm)
549H2696	95-3/4" (2432mm)
Stainless Steel Frame	
549H2642SS	41-3/4" (1061mm)
549H2648SS	47-3/4" (1213mm)
549H2660SS	59-3/4" (1518mm)
549H2672SS	71-3/4" (1822mm)
549H2696SS	95-3/4" (2432mm)

- Without center upright

Product No.	Width
<b>Single-Circuit</b>	
Painted Steel Frame	
549H1060A	59-3/4" (1524mm)
549H1072A	71-3/4" (1829mm)
Stainless Steel Frame	
549H1060SSA	59-3/4" (1524mm)
549H1072SSA	71-3/4" (1829mm)
<b>Double-Circuit</b>	
Painted Steel Frame	
549H2660A	59-3/4" (1524mm)
549H2672A	71-3/4" (1829mm)
Stainless Steel Frame	
549H2660SSA	59-3/4" (1524mm)
549H2672SSA	71-3/4" (1829mm)



Shared structural frame assemblies become freestanding structures when combined with two-post bench frames. Shared frames are available in painted steel or stainless steel.

Shared frames are factory installed with electrical wiring and outlets. CAT6 teledata cables must be ordered separately and field installed.

Shared frames are equipped with two twist lock power cords with a total of four 16 amp circuits. Each twist lock power cord has four wires and handles two circuits. The neutral and ground wires are common between the two circuits.

Painted steel frames can have none, one, two or three service lines with chrome plated brass stems. The top fixture stem has a copper tubing line. The middle and bottom fixture stem have polyethylene tubing.

Stainless steel frames can have none, one, two or three service lines and stainless steel stems. The top fixture stem has a stainless steel tubing line. The middle and bottom fixture stem have polyethylene tubing.

Unions, reducers, disconnects and service fixtures are installed by others.

#### Shared Frame Assemblies

Raceways for shared frames are to have two per side 20 amp hospital grade duplexes on the horizontal raceway for the 42", 48" wide frames and 3 per side on the 60", 72" and 96". Two separate (shared circuits) shall be located in the side vertical upright under the work surface.

Shared frames are equipped with two four-prong twist lock 4' power cords with a total of four 16 amp circuits. Each twist lock power cord has four wires and handles two circuits. The neutral and ground wires are common between the two circuits.

#### Color

All duplexes are grey in color with the exception of 20A on the lower and uprights of shared frames, which are black.

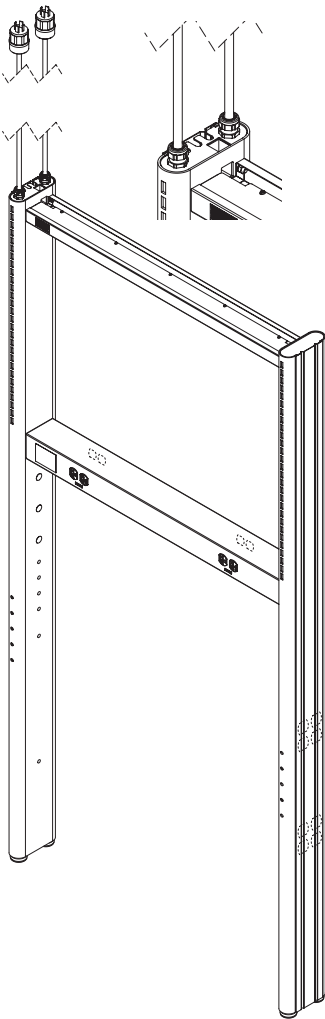
**Shared Frame Assemblies**.....p. 29-33



Common Features:

- Stainless steel or powdercoated steel finish
- 6" deep upright assembly with levelers
- Order work surfaces, backs plashes and sides plashes separately, see Work Surfaces section
- Includes two duplex electric receptacle in lower right-hand frame upright
- Includes **four Mini-Com blank modules** in upper right-hand frame upright
- CAT 6 teledata cables ordered sepearte and field installed
- Includes **four 16AMP circuits**
- Two twist lock power cords with each cord having two circuits at top extending 4' of frame
- Modesty panel and tackboards are optional, see Accessories section
- Includes removable side cover for access to service valve and electrical and teledata outlet connections
- For upper shelving, see Upper Storage Section
- Height is 83-1/4" (2114mm)
- Order **service fixtures and quick-connects** separately, for field installation
- **UL 962 Listed**

Shared Frame Assembly — Without Fixture Stems

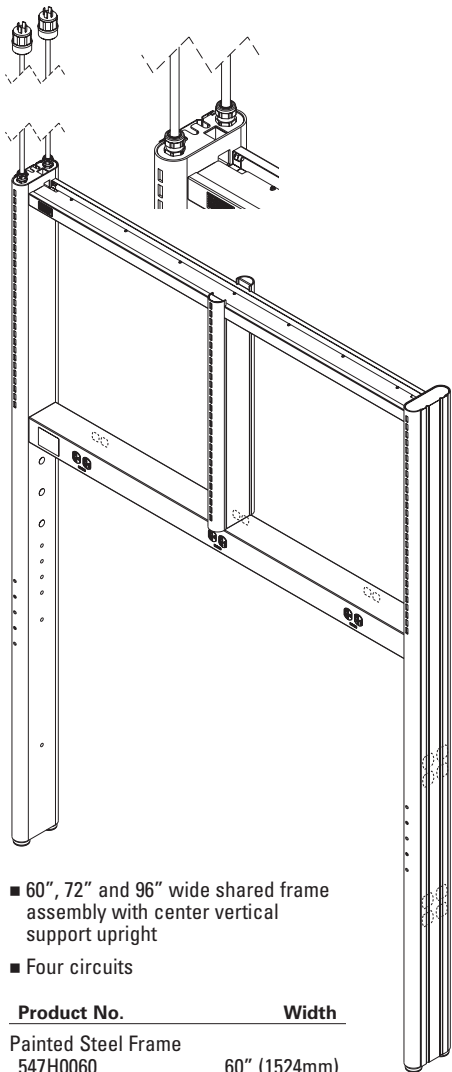


- 42" and 48" wide shared frame assembly
- Four circuits

Product No.	Width
Painted Steel Frame	
547H0042	42" (1066mm)
547H0048	48" (1219mm)
Stainless Steel Frame	
547H0042SS	42" (1066mm)
547H0048SS	48" (1219mm)

- Without center upright

Product No.	Width
Painted Steel Frame	
547H0060A	60" (1524mm)
547H0072A	72" (1829mm)
Stainless Steel Frame	
547H0060SSA	60" (1524mm)
547H0072SSA	72" (1829mm)



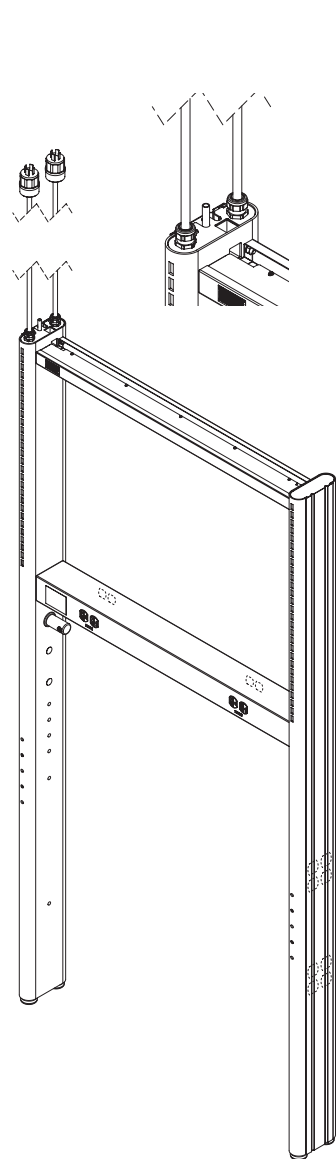
- 60", 72" and 96" wide shared frame assembly with center vertical support upright
- Four circuits

Product No.	Width
Painted Steel Frame	
547H0060	60" (1524mm)
547H0072	72" (1829mm)
547H0096	96" (2438mm)
Stainless Steel Frame	
547H0060SS	60" (1524mm)
547H0072SS	72" (1829mm)
547H0096SS	96" (2438mm)

Common Features:

- Stainless steel or powdercoated steel finish
- 6" deep upright assembly with levelers
- Order work surfaces, backs plashes and sides plashes separately, see Work Surfaces section
- Includes two duplex electric receptacle in lower right-hand frame upright
- Includes four Mini-Com blank modules in upper right-hand frame upright
- CAT 6 teledata cables ordered separate and field installed
- Includes four 16AMP circuits
- Two twist lock power cords with each cord having two circuits at top extending 4' of frame
- Modesty panel and tackboards are optional, see Accessories section
- Includes removable side cover for access to service valve and electrical and teledata outlet connections
- For upper shelving, see Upper Storage Section
- Height is 83-1/4" (2114mm)
- Order service fixtures and quick-connects separately, for field installation
- UL 962 Listed

Shared Frame Assembly — With One Fixture Stem



- 42" and 48" wide shared frame assembly
- Includes one fixture stem in left leg
- Four circuits

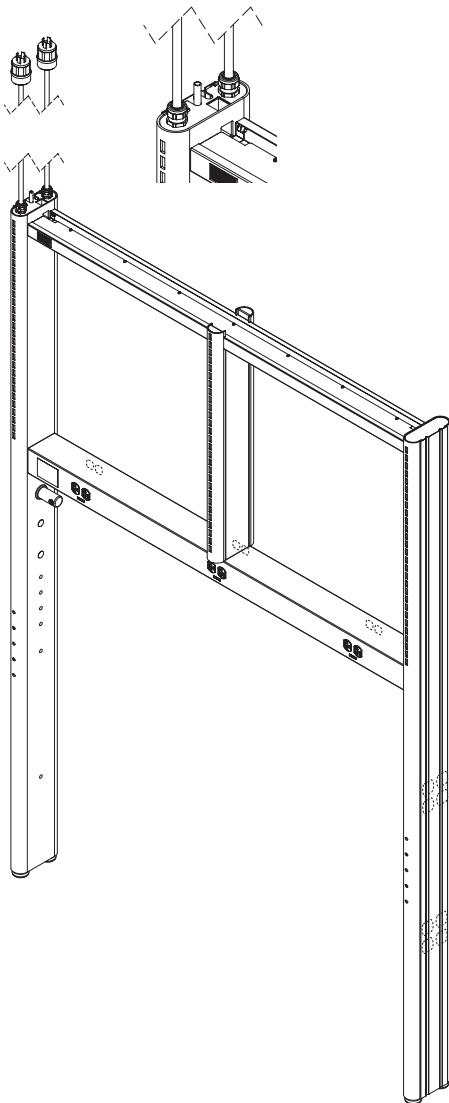
Product No.	Width
Painted Steel Frame	
547H0142	42" (1066mm)
547H0148	48" (1219mm)
Stainless Steel Frame	
547H0142SS	42" (1066mm)
547H0148SS	48" (1219mm)

- Without center upright

Product No.	Width
Painted Steel Frame	
547H0160A	60" (1524mm)
547H0172A	72" (1829mm)
Stainless Steel Frame	
547H0160SSA	60" (1524mm)
547H0172SSA	72" (1829mm)

- 60", 72" and 96 wide shared frame assembly with center vertical support upright
- Includes one fixture stem in left leg
- Four circuits

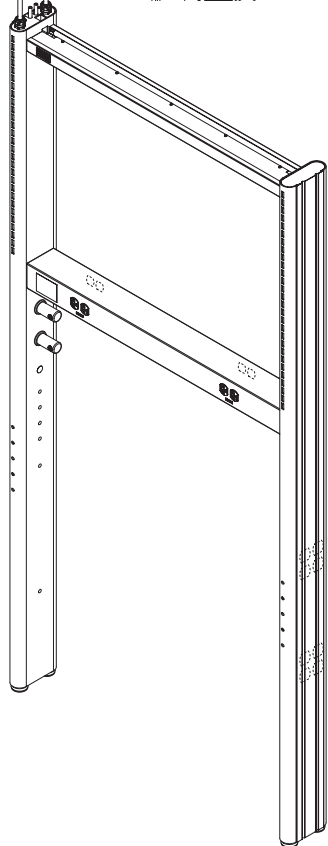
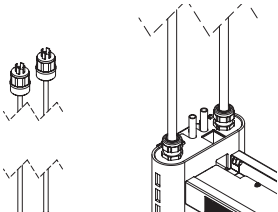
Product No.	Width
Painted Steel Frame	
547H0160	60" (1524mm)
547H0172	72" (1829mm)
547H0196	96" (2438mm)
Stainless Steel Frame	
547H0160SS	60" (1524mm)
547H0172SS	72" (1829mm)
547H0196SS	96" (2438mm)



Common Features:

- Stainless steel or powdercoated steel finish
- 6" deep upright assembly with levelers
- Order work surfaces, backs plashes and sides plashes separately, see Work Surfaces section
- Includes two duplex electric receptacle in lower right-hand frame upright
- Includes **four Mini-Com blank modules** in upper right-hand frame upright
- CAT 6 teledata cables ordered separate and field installed
- Includes **four 16AMP circuits**
- Two twist lock power cords with each cord having two circuits at top extending 4' of frame
- Modesty panel and tackboards are optional, see Accessories section
- Includes removable side cover for access to service valve and electrical and teledata outlet connections
- For upper shelving, see Upper Storage section
- Height is 83-1/4" (2114mm)
- Order **service fixtures** and **quick-connects** separately, for field installation
- **UL 962 Listed**

Shared Frame Assembly – With Two Fixture Stems



- 42" and 48" wide shared frame assembly
- Includes two fixture stems in left leg
- Four circuits

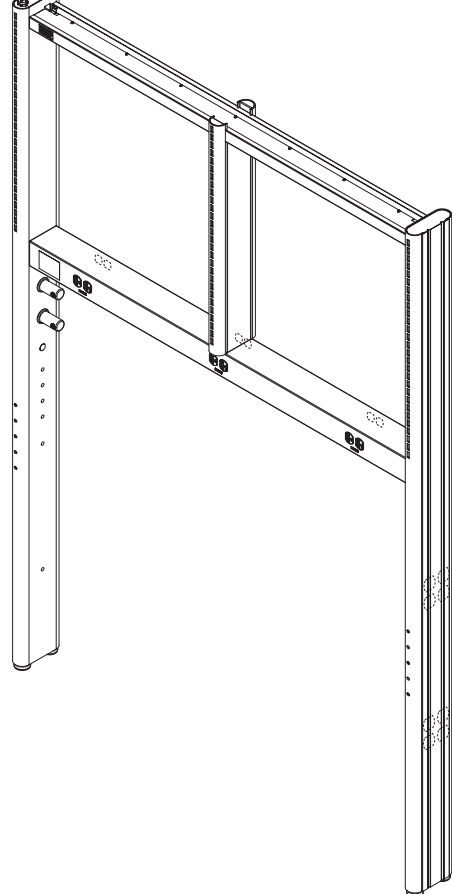
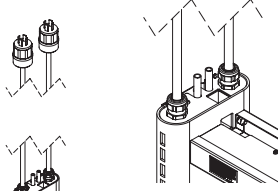
Product No.	Width
Painted Steel Frame	
547H0242	42" (1066mm)
547H0248	48" (1219mm)
Stainless Steel Frame	
547H0242SS	42" (1066mm)
547H0248SS	48" (1219mm)

- Without center upright

Product No.	Width
Painted Steel Frame	
547H0260A	60" (1524mm)
547H0272A	72" (1829mm)
Stainless Steel Frame	
547H0260SSA	60" (1524mm)
547H0272SSA	72" (1829mm)

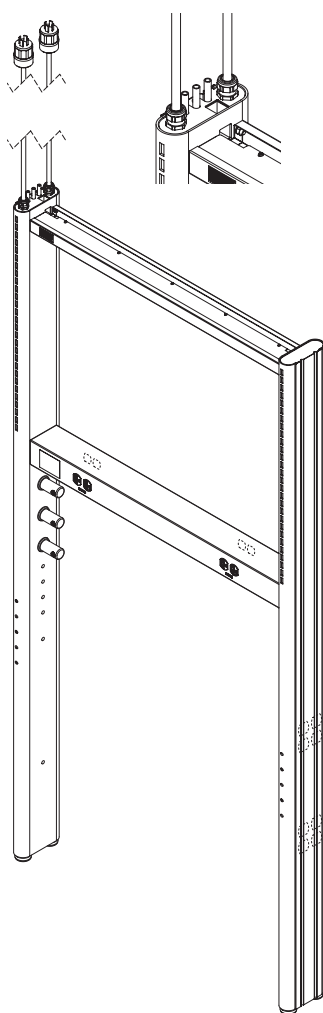
- 60", 72" and 96" wide shared frame assembly with center vertical support upright
- Includes two fixture stems in left leg
- Four circuits

Product No.	Width
Painted Steel Frame	
547H0260	60" (1524mm)
547H0272	72" (1829mm)
547H0296	96" (2438mm)
Stainless Steel Frame	
547H0260SS	60" (1524mm)
547H0272SS	72" (1829mm)
547H0296SS	96" (2438mm)



**Common Features:**

- Stainless steel or powdercoated steel finish
- 6" deep upright assembly with levelers
- Order work surfaces, backs plashes and sides plashes separately, see Work Surfaces section
- Includes two duplex electric receptacle in lower right-hand frame upright
- Includes **four Mini-Com blank modules** in upper right-hand frame upright
- CAT 6 teledata cables ordered separate and field installed
- Includes **four 16AMP circuits**
- Two twist lock power cords with each cord having two circuits at top extending 4' of frame
- Modesty panel and tackboards are optional, see Accessories section
- Includes removable side cover for access to service valve and electrical and teledata outlet connections
- For upper shelving, see Upper Storage section
- Height is 83-1/4" (2114mm)
- Order **service fixtures** and **quick-connects** separately, for field installation
- **UL 962 Listed**

**Shared Frame Assembly — With Three Fixture Stems**

- 42" and 48" wide shared frame assembly
- Includes three fixture stems in left leg
- Four circuits

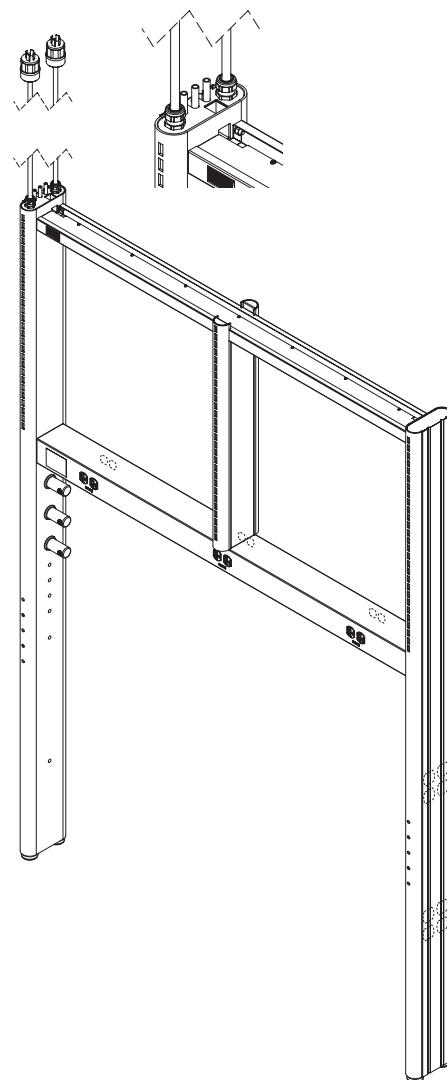
Product No.	Width
<b>Painted Steel Frame</b>	
547H0342	42" (1066mm)
547H0348	48" (1219mm)
<b>Stainless Steel Frame</b>	
547H0342SS	42" (1066mm)
547H0348SS	48" (1219mm)

- Without center upright

Product No.	Width
<b>Painted Steel Frame</b>	
547H0360A	60" (1524mm)
547H0372A	72" (1829mm)
<b>Stainless Steel Frame</b>	
547H0360SSA	60" (1524mm)
547H0372SSA	72" (1829mm)

- 60", 72" and 96" wide shared frame assembly with center vertical support upright
- Includes three fixture stems in left leg
- Four circuits

Product No.	Width
<b>Painted Steel Frame</b>	
547H0360	60" (1524mm)
547H0372	72" (1829mm)
547H0396	96" (2438mm)
<b>Stainless Steel Frame</b>	
547H0360SS	60" (1524mm)
547H0372SS	72" (1829mm)
547H0396SS	96" (2438mm)



Common Features:

■ Distinction Frame - Wall mount units and suspended units

■ Field installable with Single or Shared Frame Distinction

■ UL 962 Listed

Wall Mount Units

- Wall rails mount into shelf slots in Distinction vertical uprights
- Important:** Adjacent rails cannot be positioned at the same height
- Wall mount units require (1) product 549HWH\_\_ per wall cabinet
- Maximum (2) wall cabinets per Distinction frame - load not to exceed 150 lbs. per cabinet

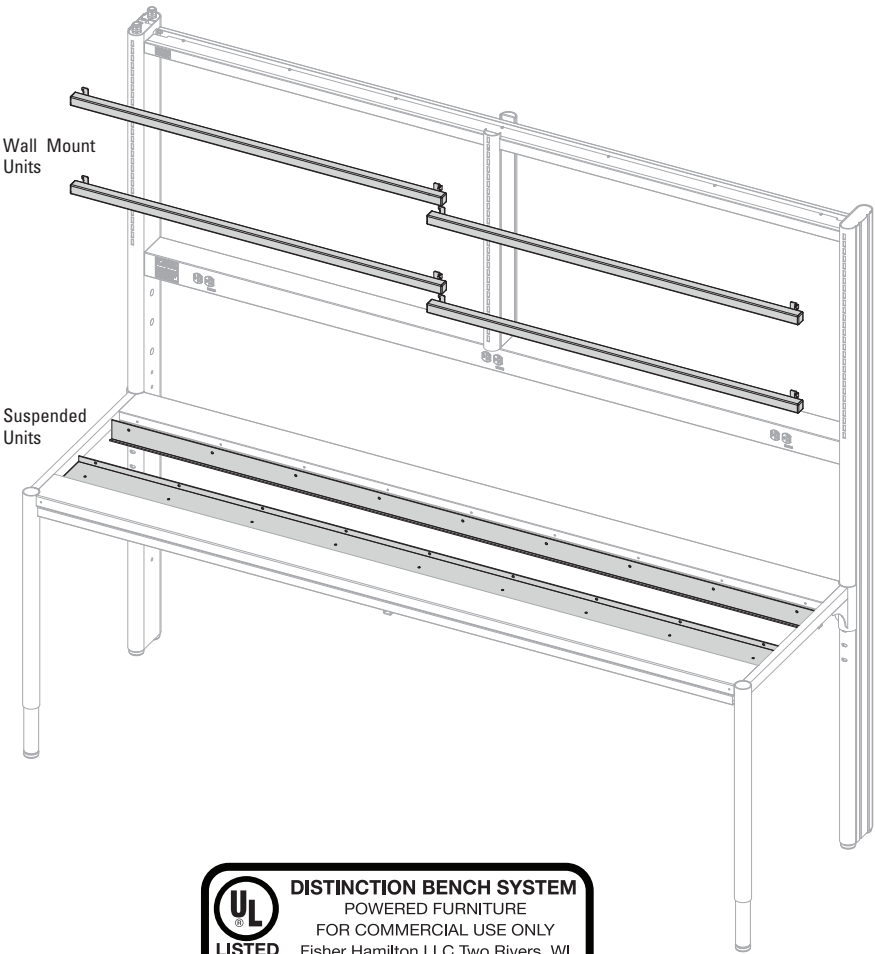
Product No.	Width
For use with center vertical upright	
549HWH42	42" (1066mm)
549HWH48	48" (1219mm)
549HWH60	31" (787mm)
549HWH72	37" (940mm)
549HWH96	49" (1245mm)

For use without center vertical upright	
549HWH60F	60" (1524mm)
549HWH72F	72" (1829mm)

Suspended Units

- Suspended rails are bolted to Distinction table frame (fasteners included)
- Suspended units require (1) product 549HTH... per (2) suspended units
- Maximum (2) suspended cabinets per Distinction frame - load not to exceed 150 lbs. per cabinet

Product No.	Width
549HTH42	38-7/16" (965mm)
549HTH48	44-7/16" (1219mm)
549HTH60	56-7/16" (1422mm)
549HTH72	68-7/16" (1727mm)
549HTH84	80-7/16" (2032mm)
549HTH96	92-7/16" (2337mm)



UL

201FC

LISTED

**DISTINCTION BENCH SYSTEM**

POWERED FURNITURE

FOR COMMERCIAL USE ONLY

Fisher Hamilton LLC Two Rivers, WI

PRODUCT NUMBER

MFG DATE

RATINGS: 120/240 V, 16 AMPS PER CIRCUIT

MAX PRESSURE: 120 PSI MAX TEMP: 66°C

\*INSTALLATION AND USAGE OF THE SERVICE LINES TO MEET ALL APPLICABLE NATIONAL AND LOCAL CODES.

**WARNING!**

MAX. LOAD 600 LBS WORKSURFACE

MAX. LOAD 100 LBS SHELVING

MAX. LOAD 150 LBS CABINETS

PL-981

JULY 11

P/N-70983

All Hamilton Scientific cabinets are built to the highest standards of quality. Durable construction plus a choice of tough, chemical-resistant finishes ensure high performance and a timeless appearance.

**Wood Mobile  
Base Cabinets** ..... p. 36-42  
**Inset Steel Mobile  
Base Cabinets** ..... p. 43-45  
**Prestige Steel Mobile  
Base Cabinets** ..... p. 46-50

All mobile cabinets can be used as stand-alone storage or rolled under benches.  
Choose from a variety of widths.

All Hamilton Scientific mobile cabinets meet 8 standards for laboratory furniture.

Sitting Height Cabinets  
Standing Height Cabinets  
Drawer Dimensions . . .  
Mobile Sink Cabinet . . .

Cabinets in this section are UL 962 Listed.

For wood laboratory casework information,  
please access the

**Hamilton Scientific  
Wood Product Specification Catalog**

or consult your local sales representative for assistance.

[www.hamiltonscientific.com](http://www.hamiltonscientific.com)



28-5/16"  
(719mm)

23-1/8"  
(587mm)

Typical En

**Common Features:**

- Finished veneer top, sides and back
- Available with finished outside ends and back only
- Equipped with four casters, two with locks
- Equipped with interlocking drawer system and counterbalanced weights

**Mobile Combination Cabinets**

- Mobile cabinet with one 6-mod high drawer above right- or left-hinged swinging door
- Four casters, two with locks

Product No.	Width
Right-Hinged (shown)	18" (457mm)
	24" (610mm)
	18" (457mm)
	24" (610mm)

et with one 6-mod high  
wer above double  
ed doors  
two with locks

Width
30" (762mm)

et with two 6-mod high  
re double swinging  
two with locks

Width
30" (762mm)

et with two 4-mod high  
re two 5-mod high  
t-hinged swinging door  
n adjustable wood shelf  
rea  
two with locks

Width
24" (610mm)
30" (762mm)

et with two 4-mod high  
drawers above two 5-mod high  
drawers, left-hinged swinging door  
at left side

- One 1/2-depth adjustable wood shelf in cupboard area
- Four casters, two with locks

Product No.	Width
955C266B	24" (610mm)
955C267B	30" (762mm)

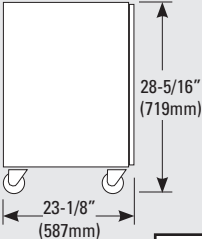
**Mobile Door**

For wood laboratory casework information,  
please access the

**Hamilton Scientific**  
**Wood Product Specification Catalog**

or consult your local sales representative for assistance.

[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

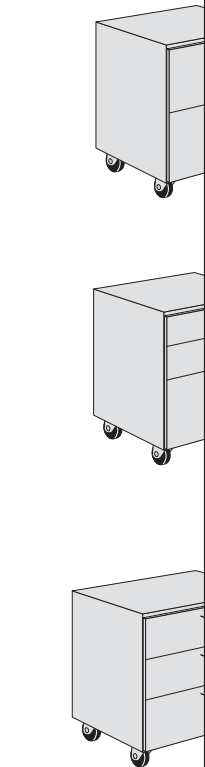


Typical End View

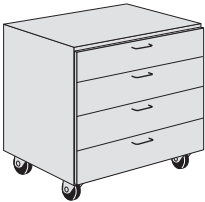
**Common Features:**

- Finished veneer top, sides and back
- Available with finished outside ends and back only
- Equipped with four casters, two with locks
- Equipped with interlocking drawer system and counterbalanced weights in drawer cabinets – Note: 25 lbs

Mobile Drawer C



Mobile Drawer Cabinets (Continued)



- Mobile cabinet with one 4-mod above three 5-mod high drawers
- Four casters, two with locks

Product No.	Width
955C241B	18" (457mm)
955C242B	24" (610mm)
955C243B	30" (762mm)

two 4-mod drawers
h locks
Width
24" (610mm)
30" (762mm)

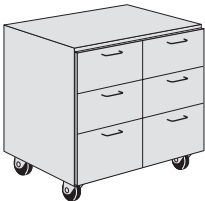
For wood laboratory casework information,  
please access the

**Hamilton Scientific  
Wood Product Specification Catalog**

or consult your local sales representative for assistance.

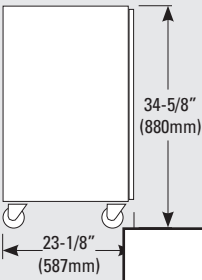
[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

fits into
des
included
Cabinet Width
ed Door Hinges
15" (381mm)
18" (457mm)
21" (533mm)
24" (610mm)
30" (762mm)
36" (914mm)
42" (1066mm)
48" (1219mm)
ed Door Hinges
15" (381mm)
18" (457mm)
21" (533mm)
24" (610mm)
30" (762mm)
36" (914mm)
42" (1066mm)
48" (1219mm)



- Mobile cabinet with four 6-mod high drawers above two 7-mod high drawers
- Four casters, two with locks

Product No.	Width
955C262B	24" (610mm)
955C263B	30" (762mm)

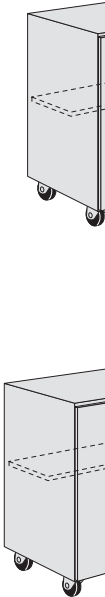


Typical End View

**Common Features:**

- Finished veneer top, sides and back
- Available with finished outside ends and back only
- Equipped with four casters, two with locks
- Equipped with interlocking drawer system and counterbalanced weights in drawer cabinets – Note: 25 lbs

Mobile Door C



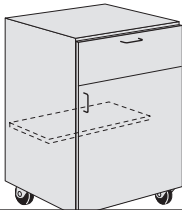
For wood laboratory casework information,  
please access the

**Hamilton Scientific**  
**Wood Product Specification Catalog**

or consult your local sales representative for assistance.

[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

Mobile Combination Cabinets



- Mobile cabinet with one 6-mod high drawer above right- or left-hinged swinging door
- One 1/2-depth adjustable wood shelf
- Four casters, two with locks

Product No.	Width
Right-Hinged (shown)	18" (457mm)
	24" (610mm)
	18" (457mm)
	24" (610mm)

with one 6-mod high  
above double  
doors  
adjustable wood shelf  
with locks

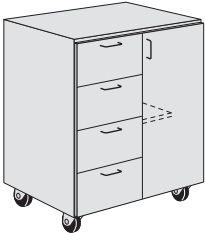
Width
30" (762mm)

with two 6-mod high  
double swinging  
adjustable wood shelf  
with locks

Width
30" (762mm)

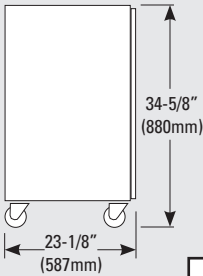
with four 6-mod high  
side and left-hinged  
left side  
adjustable wood shelf  
with locks

Width
24" (610mm)
30" (762mm)



- Mobile cabinet with four 6-mod high drawers at left side and right-hinged swinging door at right side
- One 1/2-depth adjustable wood shelf in cupboard area
- Four casters, two with locks

Product No.	Width
955C251B	24" (610mm)
955C252B	30" (762mm)

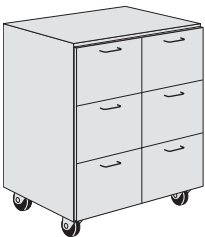


Typical End View

Common Features:

- Finished veneer top, sides and back
- Available with finished outside ends and back only
- Equipped with four casters, two with locks
- Equipped with interlocking drawer system and counterbalanced weights in drawer cabinets – Note: 25 lbs maximum weight per drawer is recommended for safety reasons

Mobile Drawer Cabinets (Continued)



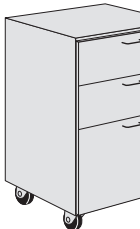
- Mobile cabinet with six 8-mod high drawers
- Four casters, two with locks

Product No.	Width
955C249B	24" (610mm)
955C250B	30" (762mm)

Mobile Cabinet with



Mobile Drawer Cabinet



- Mobile cabinet with three 8-mod high drawers
- Four casters, two with locks

Product No.	Width
955C232B	18" (457mm)
955C233B	24" (610mm)
955C234B	30" (762mm)

For Cabinet with Concealed Door Hinges	
532C117	15" (381mm)
532C118	18" (457mm)
532C119	21" (533mm)
532C121	24" (610mm)
532C120	30" (762mm)
532C122	36" (914mm)
532C130	42" (1066mm)
532C123	48" (1219mm)

For wood laboratory casework information,  
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Wood Product Specification Catalog

or consult your local sales representative for assistance.

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6-mod high

cks

Width

18" (457mm)  
24" (610mm)  
30" (762mm)

t 6-mod high

cks

Width

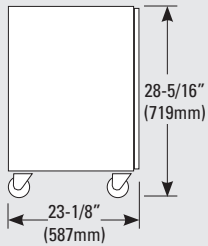
24" (610mm)  
30" (762mm)

into

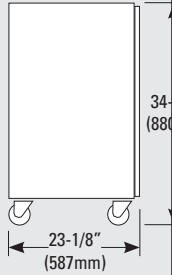
s  
uded

net Width

oor Hinges  
" (381mm)  
" (457mm)  
" (533mm)  
" (610mm)  
" (762mm)  
" (914mm)  
" (1066mm)  
" (1219mm)



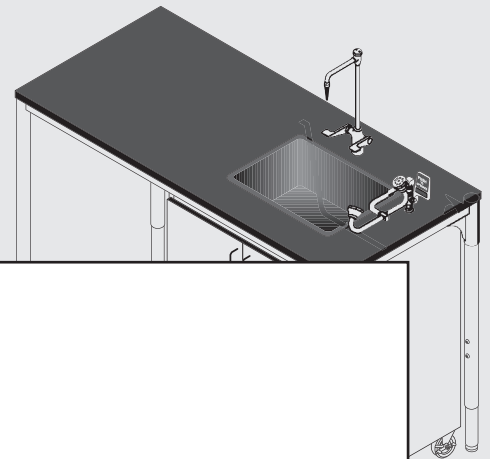
Typical End View  
Sitting Height



Typical End View  
Standing Height

**Common Features:**

- Finished veneer sides and back
- Available with finished outside ends and back only
- Equipped with four casters, two with locks
- Available with locks
- Steel reinforcement plate on bottom

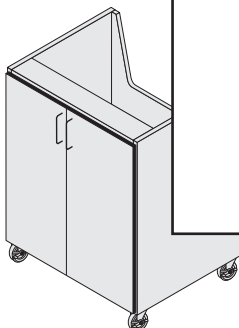
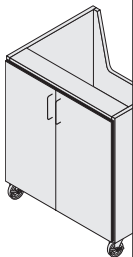


For wood laboratory casework information,  
please access the

**Hamilton Scientific  
Wood Product Specification Catalog**

or consult your local sales representative for assistance.

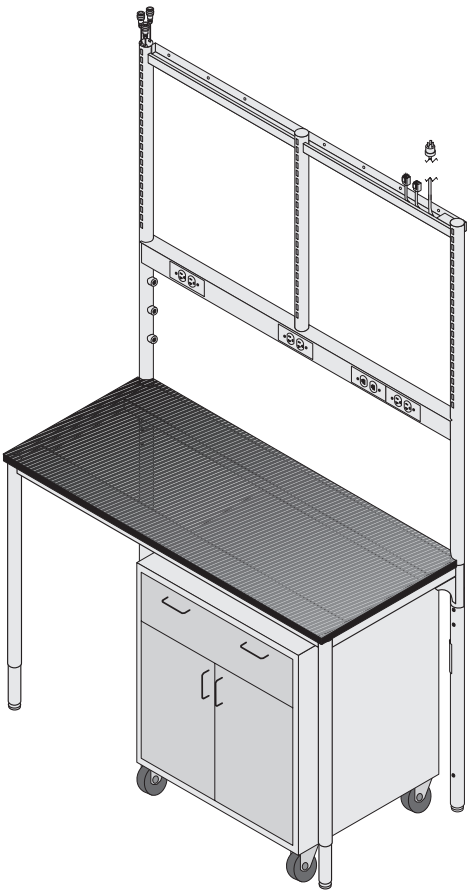
[www.hamiltonscientific.com](http://www.hamiltonscientific.com)

**Mobile Sink Cab**

18 Modules

File Drawer Frame

18-3/4" (473mm)	21-1/2" (546mm)	18-1/4" (460mm)	20-1/2" (521mm)	—	—	18-3/4" (473mm)
24" (610mm)	21-1/2" (546mm)	21-1/2" (546mm)	26-1/2" (673mm)	11-1/2" (292mm)	5-1/2" (140mm)	16-3/4" (425mm)
30" (762mm)	21-1/2" (546mm)	26-1/2" (673mm)	28" (711mm)	12-1/4" (311mm)	—	16-3/4" (425mm)
31-1/2" (800mm)	21-1/2" (546mm)	28" (711mm)	32-1/2" (826mm)	14-1/2" (368mm)	8-1/2" (216mm)	16-3/4" (425mm)
36" (914mm)	21-1/2" (546mm)	32-1/2" (826mm)	34" (864mm)	15-1/4" (387mm)	—	16-3/4" (425mm)
37-1/2" (953mm)	21-1/2" (546mm)	34" (864mm)	38-1/2" (978mm)	17-1/2" (445mm)	11-1/2" (292mm)	16-3/4" (425mm)
42" (1067mm)	21-1/2" (546mm)	38-1/2" (978mm)	44-1/2" (1130mm)	20-1/2" (521mm)	14-1/2" (368mm)	16-3/4" (425mm)
48" (1219mm)	21-1/2" (546mm)	44-1/2" (1130mm)				



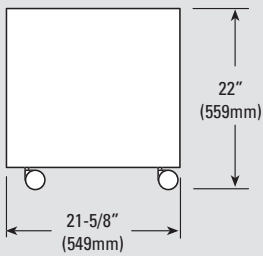
Inset steel casework is constructed of powdercoated steel for superior chemical resistance and durability. Drawer and door fronts are inset between the cabinet front perimeter frame rails. The exposed perimeter frame is ideal for showing two-tone color combinations.

All Hamilton Scientific Inset steel mobile cabinets meets SEFA 8 standards for laboratory furniture.

**Sitting Height Cabinets** . . . . .p. 44  
**Standing Height Cabinets** . . . . p. 44-45  
**Work Surfaces** . . . . .p. 45  
**Drawer Dimensions** . . . . .p. 45

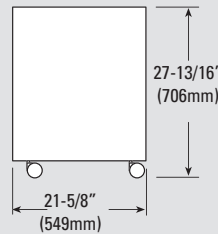
Cabinets in this section are not UL 962 listed





Typical End View

- Shelves are adjustable in 1/2" (13mm) increments
- Drawers standard with locks – equipped with an integral locking device that allows operator to open only one drawer at a time
- Drawers have a zinc plated three-piece full extension slide rated at 100 lbs. This slide has restricted travel length and opens to approximately 3/4 of the drawer depth. Options are not available
- Heavy-duty locking 2-1/2" double wheel casters
- Total load rating including mobile cabinet and worktop is 400 lbs.; live load rating on entire unit is 200 lbs.; live load rating on worktop is 100 lbs.
- Order work surface separately, see page 59
- Order additional shelves separately
- See Options Menu for more selections
- All mobile steel cabinets will ship with casters factory installed
- Lock options must be specified on the options menu – pages 5-14
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** units DO NOT have anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight



Typical End View

- Shelves are adjustable in 1/2" (13mm) increments
- Drawers standard with locks – equipped with an integral locking device that allows operator to open only one drawer at a time
- Drawers have a zinc plated three-piece full extension slide rated at 100 lbs. This slide has restricted travel length and opens to approximately 3/4 of the drawer depth. Options are not available
- Heavy-duty locking 2-1/2" double wheel casters
- Total load rating including mobile cabinet and worktop is 400 lbs.; live load rating on entire unit is 200 lbs.; live load rating on worktop is 100 lbs.
- Order work surface separately, see page 59
- Order additional shelves separately
- See Options Menu for more selections
- All mobile steel cabinets will ship with casters factory installed
- Lock options must be specified on the options menu – pages 5-14
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** units DO NOT have anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight

## Mobile Base Cabinets



- Drawer cabinet
- One 4-1/2" (114mm) high drawer above one 10-1/4" (260mm) high file drawer with full extension slides

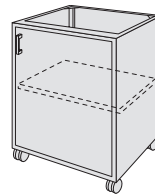
Product No.	Width
950S076_	18" (457mm)
950S077_	24" (610mm)



- Drawer cabinet
- Three 4-1/2" (114mm) high drawers

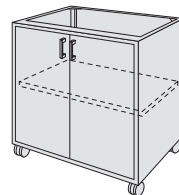
Product No.	Width
950S070_	18" (457mm)
950S071_	24" (610mm)

## Mobile Base Cabinets



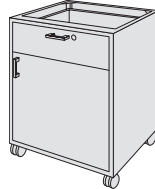
- Door cabinet
- Full-height left- or right-hinged door
- One adjustable shelf

Product No.	Width
Right-Hinged Door (shown)	
950S080_	18" (457mm)
950S082_	24" (610mm)
Left-Hinged Door	
950S081_	18" (457mm)
950S083_	24" (610mm)



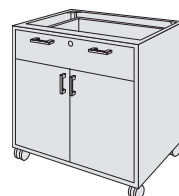
- Door cabinet
- Full-height double hinged doors
- One adjustable shelf

Product No.	Width
950S084_	30" (762mm)



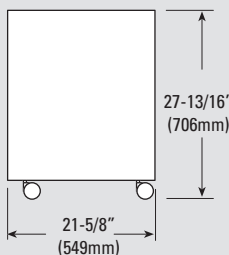
- Combination cabinet
- One 4-1/2" (114mm) high drawer above cupboard with left- or right-hinged door

Product No.	Width
Right-Hinged Door (shown)	
950S085_	18" (457mm)
950S087_	24" (610mm)
Left-Hinged Door	
950S086_	18" (457mm)
950S088_	24" (610mm)



- Combination cabinet
- One 4-1/2" (114mm) high drawer above cupboard with double hinged doors

Product No.	Width
950S089_	30" (762mm)



- Heavy-duty locking 2-1/2" double wheel casters
- All mobile steel cabinets will ship with casters factory installed
- Total load rating including mobile cabinet and worktop is 400 lbs.; live load rating on entire unit is 200 lbs.; live load rating on worktop is 100 lbs.
- Lock options must be specified on the options menu – pages 5-14
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** units DO NOT have anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight

Typical End View

- Shelves are adjustable in 1/2" (13mm) increments
- Drawers standard with locks – equipped with an integral locking device that allows operator to open only one drawer at a time
- Drawers have a zinc plated three-piece full extension slide rated at 100 lbs. This slide has restricted travel length and opens to approximately 3/4 of the drawer depth. Options are not available

## Mobile Base Cabinets (continued)



- Drawer cabinet
- Two 10-1/4" (260mm) high file drawers

Product No.	Width
950S098_	18" (457mm)
950S099_	24" (610mm)



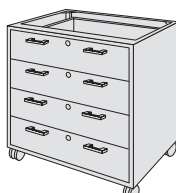
- Drawer cabinet
- Two 4-1/2" (114mm) high drawers above one 10-1/4" (260mm) high file drawer

Product No.	Width
950S096_	18" (457mm)
950S097_	24" (610mm)



- Drawer cabinet
- Four 4-1/2" (114mm) high drawers

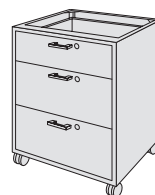
Product No.	Width
950S090_	18" (457mm)
950S091_	24" (610mm)



- Drawer cabinet
- Four 4-1/2" (114mm) high drawers

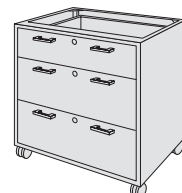
Product No.	Width
950S092_	30" (762mm)

## Mobile Base Cabinets (continued)



- Drawer cabinet
- One 4-1/2" (114mm) high drawer above two 7-3/8" (187mm) high drawers

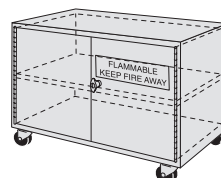
Product No.	Width
950S093_	18" (457mm)
950S094_	24" (610mm)



- Drawer cabinet
- One 4-1/2" (114mm) high drawer above two 7-3/8" (187mm) high drawers

Product No.	Width
950S095_	30" (762mm)

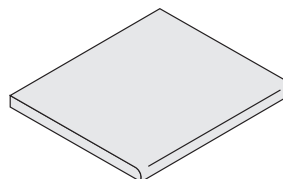
## Mobile Flammable Liquid Storage Cabinets



- Mobile cabinet, no vents
- For storage of flammable liquids
- UL listed and FM approved
- 22" (556mm) deep, 29-1/4" (743mm) high
- Lock included
- Includes one shelf
- Capacity 18 gal. (68.1 L)

Product No.	Width	Door Operation
Double Doors		
950S7911	34" (864mm)	Self-Closing
950S7901	34" (864mm)	Manual

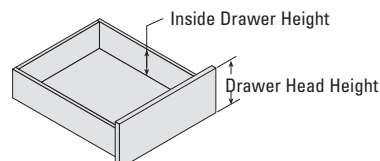
## Work Surfaces for Inset Steel Mobile Base Cabinets – High-Pressure Laminate



- Self-banded waterfall edge
- 22-1/4" (564mm) Deep

Product No.	Width
20L22180	18-1/4" (464mm)
20L22240	24-1/4" (616mm)
20L22300	30-1/4" (768mm)

## Drawer Dimensions



Nominal Drawer Front Height	Actual Drawer Head Height	Actual Inside Drawer Height
3" (76mm)	2-13/16" (71mm)	1-5/8" (41mm)
6" (154mm)	5-23/32" (145mm)	4-1/2" (152mm)
7-1/2" (191mm)	7-11/64" (182mm)	6" (114mm)
9" (229mm)	8-5/8" (219mm)	7-3/8" (187mm)
File Drawer	11-17/32" (293mm)	10-1/4" (260mm)
10" (254mm)	9-19/32" (244mm)	8-1/4" (210mm)

Steel mobile base cabinets feature flush overlay styling and unique hardware features, including rubber bumpers, optional grab handles and gang locks.

Available in 18 colors, these components are finished in powder coating for high chemical resistance and overall durability.

Hamilton Scientific Prestige steel mobile cabinets do not meet SEFA 8 standards for laboratory furniture.

**Sitting Height Cabinets** . . . . .p. 47

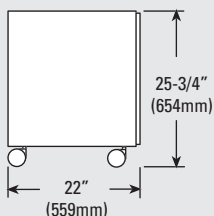
**Standing Height Cabinets** . . . . p. 48-49

**Add Drawer** . . . . .p. 50

**Work Surfaces** . . . . .p. 50

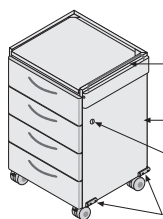
**Drawer Dimensions** . . . . .p. 50

Cabinets in this section are **not** UL 962 listed.



Typical End View

- Shelves are adjustable in 1/2" (13mm) increments
- Drawers standard with locks – equipped with an integral locking device that allows operator to open only one drawer at a time
- With or without grab handle
- Equipped with front and rear rubber bumpers on lower sides
- Heavy-duty locking 3" double wheel casters
- Total load rating including mobile cabinet and worktop is 600 lbs.; live load rating on entire unit is 300 lbs.; live load rating on worktop without pullboard is 200 lbs., and live load rating on worktop with pull board is 150 lbs.
- Order work surface separately, see page 59
- See Options Menu for more selections on pages 5-14
- All mobile steel cabinets will ship with casters factory installed
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** units DO NOT have anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight



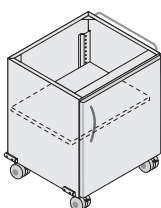
Optional Retracting Grab Handle

Anti-Tipping Counterweight

Gang Lock on Drawer Cabinets

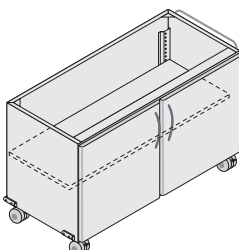
Front and Rear Rubber Bumpers

## Mobile Base Cabinets



- Door cabinet
- One adjustable shelf

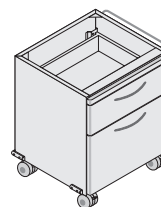
Product No.	Width
With handle, hinged left	
953J201_	18" (457mm)
953J401_	24" (610mm)
With handle, hinged right (shown)	
953J202_	18" (457mm)
953J402_	24" (610mm)
Without handle, hinged left	
955J201_	18" (457mm)
955J401_	24" (610mm)
Without handle, hinged right	
955J202_	18" (457mm)
955J402_	24" (610mm)



- Double door cabinet
- One adjustable shelf

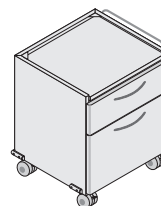
Product No.	Width
With handle (shown)	
953J503_	30" (762mm)
953J603_	36" (915mm)
Without handle	
955J503_	30" (762mm)
955J603_	36" (915mm)

## Mobile Base Cabinets



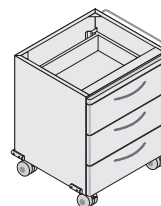
- Drawer cabinet
- One 5-module high drawer above one 10-module high drawer

Product No.	Width
With handle (shown)	
953J208_	18" (457mm)
953J408_	24" (610mm)
953J508_	30" (762mm)
953J608_	36" (915mm)
Without handle	
955J208_	18" (457mm)
955J408_	24" (610mm)
955J508_	30" (762mm)
955J608_	36" (915mm)



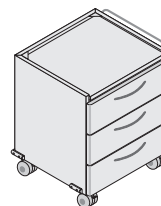
- Drawer cabinet
- One 5-module high drawer above one 10-module high drawer
- With pullboard

Product No.	Width
With handle (shown)	
954J208_	18" (457mm)
954J408_	24" (610mm)
954J508_	30" (762mm)
954J608_	36" (915mm)
Without handle	
956J208_	18" (457mm)
956J408_	24" (610mm)
956J508_	30" (762mm)
956J608_	36" (915mm)



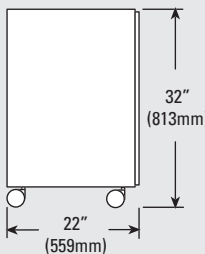
- Drawer cabinet
- Three 5-module high drawers

Product No.	Width
With handle (shown)	
953J207_	18" (457mm)
953J407_	24" (610mm)
953J507_	30" (762mm)
953J607_	36" (915mm)
Without handle	
955J207_	18" (457mm)
955J407_	24" (610mm)
955J507_	30" (762mm)
955J607_	36" (915mm)



- Drawer cabinet
- Three 5-module high drawers
- With pullboard

Product No.	Width
With handle (shown)	
954J207_	18" (457mm)
954J407_	24" (610mm)
954J507_	30" (762mm)
954J607_	36" (915mm)
Without handle	
956J207_	18" (457mm)
956J407_	24" (610mm)
956J507_	30" (762mm)
956J607_	36" (915mm)

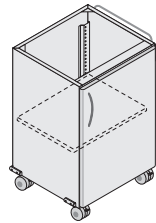


Typical End View

- Shelves are adjustable in 1/2" (13mm) increments
- Drawers standard with locks – equipped with an integral locking device that allows operator to open only one drawer at a time
- With or without grab handle
- Equipped with front and rear rubber bumpers on lower sides
- Heavy-duty locking 3" double wheel casters
- Total load rating including mobile cabinet and worktop is 600 lbs.; live load rating on entire unit is 300 lbs.; live load rating on worktop without pullboard is 200 lbs., and live load rating on worktop with pull board is 150 lbs.

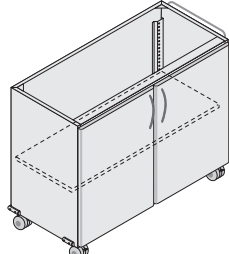
- Order work surface separately, see page 59
- See Options Menu for more selections on pages 5-14
- All mobile steel cabinets will ship with casters factory installed
- Steel mobile **drawer** units DO have anti-tip, drawer interlock mechanism and counterweight
- Steel mobile **door** units DO NOT have anti-tip, drawer interlock mechanism or counterweight; each unit *does* include an inner shelf
- Steel mobile **drawer/door** units DO NOT have anti-tip, drawer interlock mechanism or inner shelf; each unit *does* include a counterweight

## Mobile Base Cabinets



- Door cabinet
- One adjustable shelf

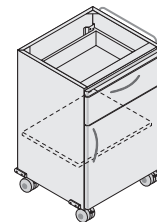
Product No.	Width
With handle, hinged left	
953J231_	18" (457mm)
953J431_	24" (610mm)
With handle, hinged right (shown)	
953J232_	18" (457mm)
953J432_	24" (610mm)
Without handle, hinged left	
955J231_	18" (457mm)
955J431_	24" (610mm)
Without handle, hinged right	
955J232_	18" (457mm)
955J432_	24" (610mm)

- Double door cabinet
- One adjustable shelf

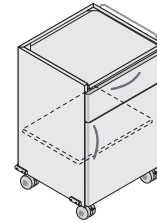
Product No.	Width
With handle (shown)	
953J533_	30" (762mm)
953J633_	36" (915mm)
Without handle	
955J533_	30" (762mm)
955J633_	36" (915mm)

## Mobile Base Cabinets



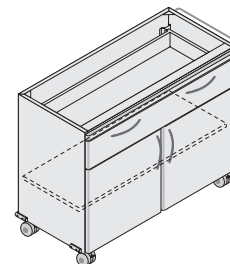
- Combination cabinet
- One 5-module high drawer above cupboard
- One adjustable shelf

Product No.	Width
With handle, hinged left	
953J234_	18" (457mm)
953J434_	24" (610mm)
With handle, hinged right (shown)	
953J235_	18" (457mm)
953J435_	24" (610mm)
Without handle, hinged left	
955J234_	18" (457mm)
955J434_	24" (610mm)
Without handle, hinged right	
955J235_	18" (457mm)
955J435_	24" (610mm)

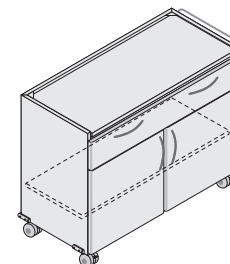
- Combination cabinet
- One 5-module high drawer above cupboard
- One adjustable shelf
- With pullboard

Product No.	Width
With handle, hinged left	
954J234_	18" (457mm)
954J434_	24" (610mm)
With handle, hinged right (shown)	
954J235_	18" (457mm)
954J435_	24" (610mm)
Without handle, hinged left	
956J234_	18" (457mm)
956J434_	24" (610mm)
Without handle, hinged right	
956J235_	18" (457mm)
956J435_	24" (610mm)

- Combination cabinet
- One 5-module high drawer above cupboard
- One adjustable shelf

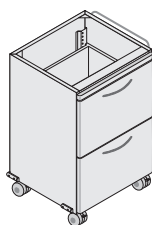
Product No.	Width
With handle (shown)	
953J536_	30" (762mm)
953J636_	36" (915mm)
Without handle	
955J536_	30" (762mm)
955J636_	36" (915mm)

- Combination cabinet
- One 5-module high drawer above cupboard
- One adjustable shelf
- With pullboard

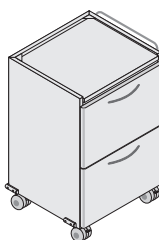
Product No.	Width
With handle (shown)	
954J536_	30" (762mm)
954J636_	36" (915mm)
Without handle	
956J536_	30" (762mm)
956J636_	36" (915mm)

## Mobile Base Cabinets



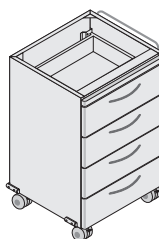
- Drawer cabinet
- Two 10-module high drawers

Product No.	Width
With handle (shown)	
953J239_	18" (457mm)
953J439_	24" (610mm)
953J539_	30" (762mm)
953J639_	36" (915mm)
Without handle	
955J239_	18" (457mm)
955J439_	24" (610mm)
955J539_	30" (762mm)
955J639_	36" (915mm)



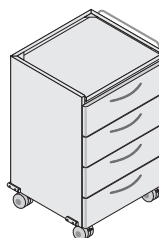
- Drawer cabinet
- Two 10-module high drawers
- With pullboard

Product No.	Width
With handle (shown)	
954J239_	18" (457mm)
954J439_	24" (610mm)
954J539_	30" (762mm)
954J639_	36" (915mm)
Without handle	
956J239_	18" (457mm)
956J439_	24" (610mm)
956J539_	30" (762mm)
956J639_	36" (915mm)



- Drawer cabinet
- Four 5-module high drawers

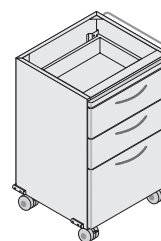
Product No.	Width
With handle (shown)	
953J237_	18" (457mm)
953J437_	24" (610mm)
953J537_	30" (762mm)
953J637_	36" (915mm)
Without handle	
955J237_	18" (457mm)
955J437_	24" (610mm)
955J537_	30" (762mm)
955J637_	36" (915mm)



- Drawer cabinet
- Four 5-module high drawers
- With pullboard

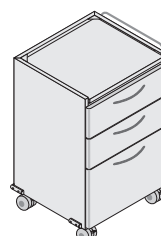
Product No.	Width
With handle (shown)	
954J237_	18" (457mm)
954J437_	24" (610mm)
954J537_	30" (762mm)
954J637_	36" (915mm)
Without handle	
956J237_	18" (457mm)
956J437_	24" (610mm)
956J537_	30" (762mm)
956J637_	36" (915mm)

## Mobile Base Cabinets



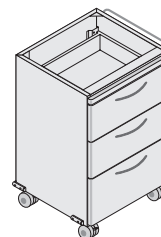
- Drawer cabinet
- Two 5-module high drawers above one 10-module high drawer

Product No.	Width
With handle (shown)	
953J238_	18" (457mm)
953J438_	24" (610mm)
953J538_	30" (762mm)
953J638_	36" (915mm)
Without handle	
955J238_	18" (457mm)
955J438_	24" (610mm)
955J538_	30" (762mm)
955J638_	36" (915mm)



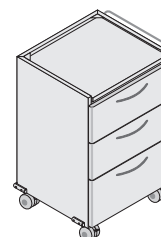
- Drawer cabinet
- Two 5-module high drawers above one 10-module high drawer
- With pullboard

Product No.	Width
With handle (shown)	
954J238_	18" (457mm)
954J438_	24" (610mm)
954J538_	30" (762mm)
954J638_	36" (915mm)
Without handle	
956J238_	18" (457mm)
956J438_	24" (610mm)
956J538_	30" (762mm)
956J638_	36" (915mm)



- Drawer cabinet
- Two 6-module high drawers above one 8-module high drawer

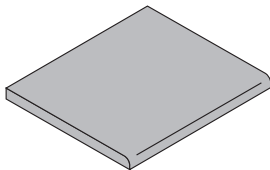
Product No.	Width
With handle (shown)	
953J240_	18" (457mm)
953J440_	24" (610mm)
953J540_	30" (762mm)
953J640_	36" (915mm)
Without handle	
955J240_	18" (457mm)
955J440_	24" (610mm)
955J540_	30" (762mm)
955J640_	36" (915mm)



- Drawer cabinet
- Two 6-module high drawers above one 8-module high drawer
- With pullboard

Product No.	Width
With handle (shown)	
954J240_	18" (457mm)
954J440_	24" (610mm)
954J540_	30" (762mm)
954J640_	36" (915mm)
Without handle	
956J240_	18" (457mm)
956J440_	24" (610mm)
956J540_	30" (762mm)
956J640_	36" (915mm)

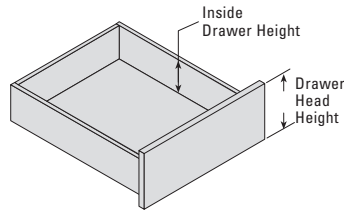
Work Surfaces for Prestige  
Radius/Flush Overlay Mobile Cabinets



- Waterfall front edge
- 1" (25mm) thick X 23" (584mm) deep
- Color is Black

Product No.	Width
High Pressure Laminate	
21L2316L	16-7/16" (418mm)
21L2322L	22-7/16" (570mm)
21L2328L	28-7/16" (722mm)
21L2334L	34-7/16" (875mm)
Black Epoxy Resin	
21L2316E	16-7/16" (418mm)
21L2322E	22-7/16" (570mm)
21L2328E	28-7/16" (722mm)
21L2334E	34-7/16" (875mm)

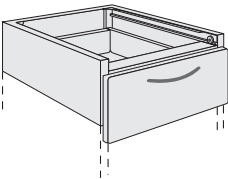
Drawer Module Dimensions



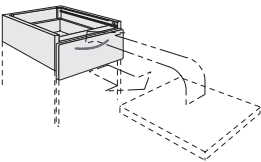
**1-Module = 32 mm**  
**Base Cabinet, Floor-Mounted**  
Standing Height = 24 Mod.  
Sitting Height = 18 Mod.  
**Base Cabinet, Suspended**  
High Suspended = 18 Mod.  
Low Suspended = 15 Mod.

Module Height	Actual Drawer Head Height	Actual Inside Drawer Height
3-Mod.	3.655" (9.28 cm)	1.703" (4.33 cm)
4-Mod.	4.914" (12.48 cm)	2.672" (6.79 cm)
5-Mod.	6.174" (15.58 cm)	2.672" (6.79 cm)
6-Mod.	7.434" (18.88 cm)	4.466" (11.34 cm)
8-Mod.	9.954" (25.28 cm)	5.919" (15.03 cm)
10-Mod. (File Drawer)	12.473" (31.68 cm)	8.341" (21.19 cm)

Add-A-Drawer



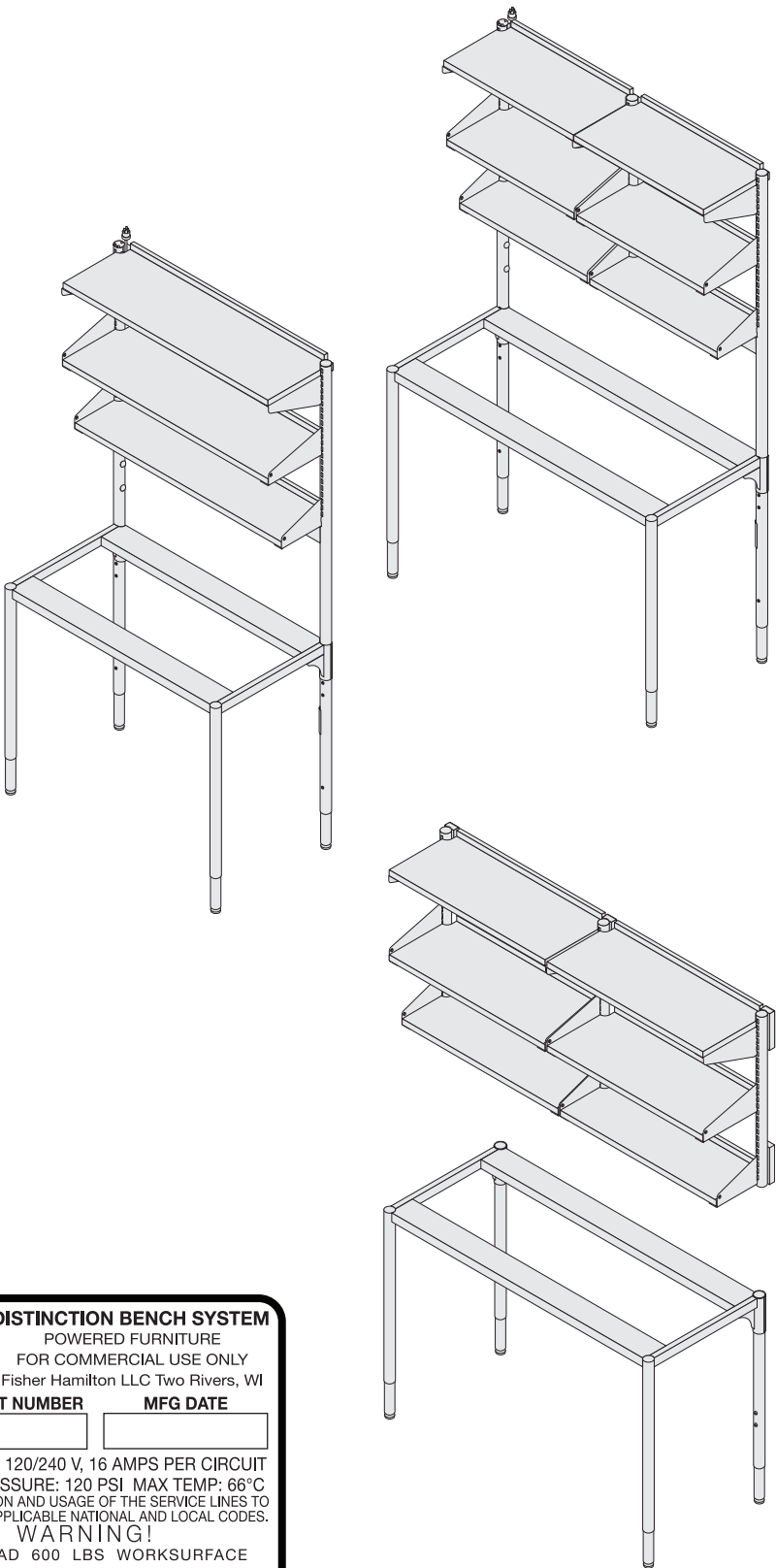
- Add to the top of a sitting height cabinet to convert to a standing height cabinet
- One 5-module high drawer



Product No.	Width
505J1220	15" (381mm)
505J2220	18" (457mm)
505J3220	21" (533mm)
505J4220	24" (610mm)


Remove extended work surface from existing sitting-height cabinet, attach Add-A-Drawer, re-insert extended work surface at top of Add-A-Drawer unit.





All Hamilton Scientific shelves are built to the highest standards of quality. Durable construction and a choice of tough, chemical-resistant finishes ensure high performance and a timeless appearance.

**Shelving Diagram** .....p. 52  
**Wall-Mount Standards** .....p. 53  
**Shelf Front Retainer Rods** .....p. 53  
**Phenolic Resin Shelf Assemblies** .....p. 54  
**Plastic Laminate Shelf Assemblies** .....p. 54-55  
**Shelf Brackets** .....p. 56  
**Glass Shelf Assemblies** .....p. 57



**DISTINCTION BENCH SYSTEM**  
POWERED FURNITURE  
FOR COMMERCIAL USE ONLY  
**LISTED** Fisher Hamilton LLC Two Rivers, WI  
20PC  
**PRODUCT NUMBER**   
**MFG DATE**

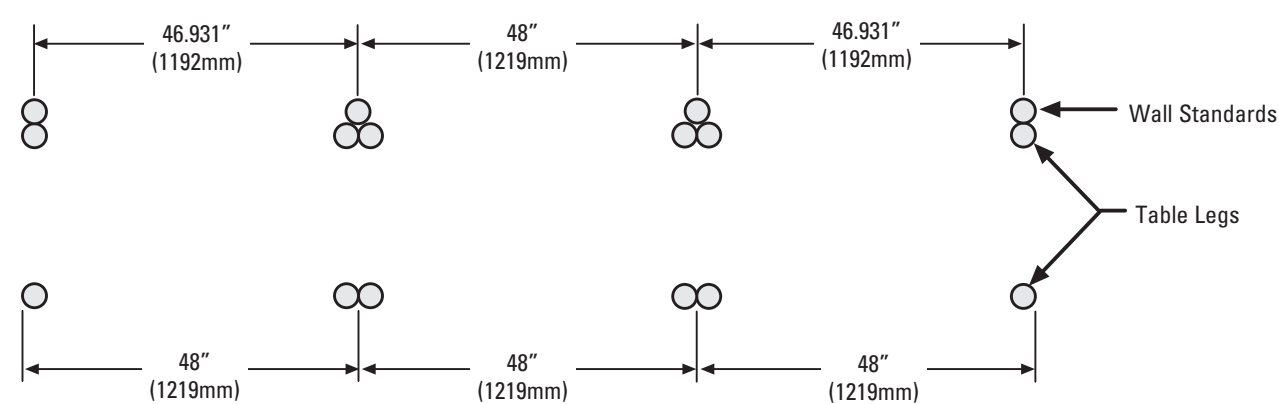
RATINGS: 120/240 V, 16 AMPS PER CIRCUIT  
MAX PRESSURE: 120 PSI MAX TEMP: 66°C  
\*INSTALLATION AND USAGE OF THE SERVICE LINES TO MEET ALL APPLICABLE NATIONAL AND LOCAL CODES.  
**WARNING!**  
MAX. LOAD 600 LBS WORKSURFACE  
MAX. LOAD 100 LBS SHELVING  
MAX. LOAD 150 LBS CABINETS  
PL-981 JULY 11 P/N-70983



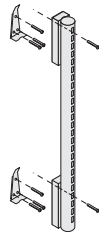
A variety of shelving widths (3) accommodate various bench and wall configurations. To avoid confusion when specifying the product line, follow the attached guideline in respect to widths:

- Shelving that mounts to a Hamilton Distinction rear frame without a center upright: Width = Nominal rear frame size – (minus) 2.125" (54mm)
- Shelving that mounts to a Hamilton Distinction rear frame with a center upright: Width = Nominal rear frame size/2 – (minus) 1.062" (27mm)
- Shelving that mounts to Hamilton Distinction wall standards = Nominal center- to-center wall standard dimension – (minus) 0.062" (1.6mm)

**All shelf widths refer to the outside dimension of the shelf with brackets attached. Product numbers for shelving units correspond to the shelf width.**

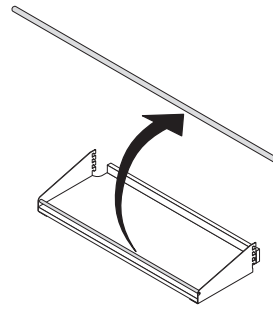


Hamilton Distinction wall standards are shared between table joints. The first wall standard lines up with the first table leg. The second wall standard splits the joint between the second and third leg, fourth and fifth, etc. The tubing is 2" diameter and the shelf slots are on the centerline of the tubing.

**Wall Standard**

- Mounts directly to interior wall when wall-mounted shelves are required
- Wall grounds are required
- Powdercoated steel or stainless steel
- Two wall standards are required for each shelf assembly
- Hardware included

Product No.	Height
Powdercoated Steel 549H0202	29-1/8" (740mm)
Stainless Steel 549H0202SS	29-1/8" (740mm)

**Shelf Front Retainer Rod**

- Prevents items from sliding off shelf
- Attaches to end brackets
- Powdercoated steel or stainless steel
- Hardware included
- Use with either 546H or 549H series shelf brackets with holes for attaching retainer rods

Product No.	Width
<b>Powdercoated Steel</b>	
549H9229	28-5/8" (727mm)
549H9230	29-5/8" (753mm)
549H9235	34-5/8" (880mm)
549H9236	35-5/8" (905mm)
549H9240	39-1/2" (1005mm)
549H9241	40-5/8" (1032mm)
549H9242	41-5/8" (1058mm)
549H9246	45-1/2" (1157mm)
549H9247	46-5/8" (1184mm)
549H9248	47-5/8" (1210mm)
549H9260	57-1/2" (1448mm)
549H9272	69-1/2" (1753mm)
<b>Stainless Steel</b>	
549H9229SS	28-5/8" (727mm)
549H9230SS	29-5/8" (753mm)
549H9235SS	34-5/8" (880mm)
549H9236SS	35-5/8" (905mm)
549H9240SS	39-1/2" (1005mm)
549H9241SS	40-5/8" (1032mm)
549H9242SS	41-5/8" (1058mm)
549H9246SS	45-1/2" (1157mm)
549H9247SS	46-5/8" (1184mm)
549H9248SS	47-5/8" (1210mm)
549H9260SS	46-5/8" (1184mm)
549H9272SS	47-5/8" (1210mm)

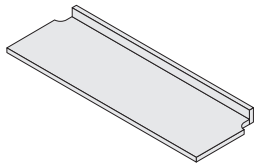
**Shelf Usage Guide****Bracket Style  
546H**

Shelf Width	
26-11/16" (660mm)	For use with center post frame – 60" (1524mm)
27-11/16" (686mm)	For use with wall brackets
32-11/16" (813mm)	For use with center post frame – 72" (1829mm)
33-11/16" (838mm)	For use with wall brackets
37-5/8" (939mm)	For use with full-width frame – 42" (1068mm)
38-11/16" (965mm)	For use with wall bracket when lining up with table frame
39-11/16" (991mm)	For use with wall brackets
43-5/8" (1092mm)	For use with full-width frame – 48" (1219mm)
44-11/16" (1118mm)	For use with center post frame – 96" (2438mm)
45-11/16" (1143mm)	For use with wall brackets
55-5/8" (1397mm)	For use with full-width frame – 60" (1524mm)
67-5/8" (1702mm)	For use with wall brackets – 72" (1829mm)

**Bracket Style  
549H**

Shelf Width	
28-9/16" (726mm)	For use with center post frame – 60" (1524mm)
29-9/16" (751mm)	For use with wall brackets
34-9/16" (878mm)	For use with center post frame – 72" (1829mm)
35-9/16" (904mm)	For use with wall brackets
39-1/2" (1003mm)	For use with full-width frame – 42" (1068mm)
40-9/16" (1030mm)	For use with wall bracket when lining up with table frame
41-9/16" (1056mm)	For use with wall brackets
45-1/2" (1156mm)	For use with full-width frame – 48" (1219mm)
46-9/16" (1183mm)	For use with center post frame – 96" (2438mm)
47-9/16" (1209mm)	For use with wall brackets

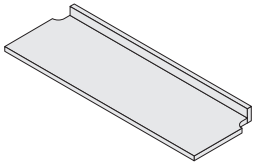
## Phenolic Resin Shelves



- Black phenolic resin shelf without end brackets
- Use with 549H series shelf brackets
- **UL 962 Listed**

**3/4" (19mm) thick shelves x 12" (305mm) deep**

Product No.	Width
549H5029	28-9/16" (726mm)
549H5030	29-9/16" (751mm)
549H5035	34-9/16" (878mm)
549H5036	35-9/16" (904mm)
549H5040	39-1/2" (1003mm)
549H5041	40-9/16" (1030mm)
549H5042	41-9/16" (1056mm)
549H5046	45-1/2" (1156mm)
549H5047	46-9/16" (1183mm)
549H5048	47-9/16" (1209mm)

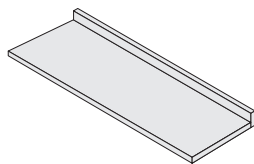


- Black phenolic resin shelf without end brackets
- Use with 549H series shelf brackets
- **UL962 Listed**

**3/4" (19mm) thick shelves x 15" (381mm) deep**

Product No.	Width
549H5129	28-9/16" (726mm)
549H5130	29-9/16" (751mm)
549H5135	34-9/16" (878mm)
549H5136	35-9/16" (904mm)
549H5140	39-1/2" (1003mm)
549H5141	40-9/16" (1030mm)
549H5142	41-9/16" (1056mm)
549H5146	45-1/2" (1156mm)
549H5147	46-9/16" (1183mm)
549H5148	47-9/16" (1209mm)

## Phenolic Resin Shelf



- Black phenolic resin shelf without end brackets
- Use with 546H series shelf brackets
- **UL 962 Listed**

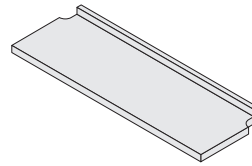
**3/4" (19mm) thick shelves x 12" (305mm) deep**

Product No.	Width
546H5029	26-11/16" (678mm)
546H5030	27-11/16" (703mm)
546H5035	32-11/16" (830mm)
546H5036	33-11/16" (856mm)
546H5040	37-5/8" (956mm)
546H5041	38-11/16" (983mm)
546H5042	39-11/16" (1008mm)
546H5046	43-5/8" (1108mm)
546H5047	44-11/16" (1135mm)
546H5048	45-11/16" (1160mm)

**3/4" (19mm) thick shelves x 15" (381mm) deep**

Product No.	Width
546H5129	26-11/16" (678mm)
546H5130	27-11/16" (703mm)
546H5135	32-11/16" (830mm)
546H5136	33-11/16" (856mm)
546H5140	37-5/8" (956mm)
546H5141	38-11/16" (983mm)
546H5142	39-11/16" (1008mm)
546H5146	43-5/8" (1108mm)
546H5147	44-11/16" (1135mm)
546H5148	45-11/16" (1160mm)

## Plastic Laminate Shelves



- Plastic laminate shelf with wood edge band and rear rail, without end brackets
- 1" (25mm) thick x 12" (305mm) depth
- Use with 549H series shelf brackets
- **UL 962 Listed**

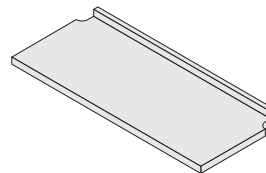
**Product No. Width**

## Maple Edge Band and Rear Rail

549H4629	28-9/16" (726mm)
549H4630	29-9/16" (751mm)
549H4635	34-9/16" (878mm)
549H4636	35-9/16" (904mm)
549H4640	39-1/2" (1003mm)
549H4641	40-9/16" (1030mm)
549H4642	41-9/16" (1056mm)
549H4646	45-1/2" (1156mm)
549H4647	46-9/16" (1183mm)
549H4648	47-9/16" (1209mm)

## Oak Edge Band and Rear Rail

549H9029	28-9/16" (726mm)
549H9030	29-9/16" (751mm)
549H9035	34-9/16" (878mm)
549H9036	35-9/16" (904mm)
549H9040	39-1/2" (1003mm)
549H9041	40-9/16" (1030mm)
549H9042	41-9/16" (1056mm)
549H9046	45-1/2" (1156mm)
549H9047	46-9/16" (1183mm)
549H9048	47-9/16" (1209mm)



- Plastic laminate shelf with wood edge band and rear rail, without end brackets
- 1" (25mm) thick x 15" (381mm) depth
- Use with 549H series shelf brackets
- **UL 962 Listed**

**Product No. Width**

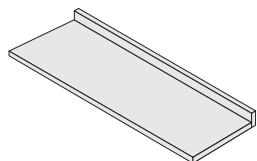
## Maple Edge Band and Rear Rail

549H8729	28-9/16" (726mm)
549H8730	29-9/16" (751mm)
549H8735	34-9/16" (878mm)
549H8736	35-9/16" (904mm)
549H8740	39-1/2" (1003mm)
549H8741	40-9/16" (1030mm)
549H8742	41-9/16" (1056mm)
549H8746	45-1/2" (1156mm)
549H8747	46-9/16" (1183mm)
549H8748	47-9/16" (1209mm)

## Oak Edge Band and Rear Rail

549H9129	28-9/16" (726mm)
549H9130	29-9/16" (751mm)
549H9135	34-9/16" (878mm)
549H9136	35-9/16" (904mm)
549H9140	39-1/2" (1003mm)
549H9141	40-9/16" (1030mm)
549H9142	41-9/16" (1056mm)
549H9146	45-1/2" (1156mm)
549H9147	46-9/16" (1183mm)
549H9148	47-9/16" (1209mm)

## Plastic Laminate Shelves

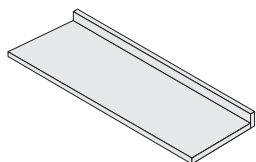


- PVC edge band and rear rail, without end brackets
- 1" (25mm) thick x 12" (305mm) depth
- Use with 546H series shelf brackets
- **UL 962 Listed**

Product No.	Width
<b>Maple Edge Band and Rear Rail</b>	
546H4629	26-11/16" (660mm)
546H4630	27-11/16" (685mm)
546H4635	32-11/16" (813mm)
546H4636	33-11/16" (838mm)
546H4640	37-5/8" (940mm)
546H4641	38-11/16" (965mm)
546H4642	39-11/16" (990mm)
546H4646	43-5/8" (1092mm)
546H4647	44-11/16" (1118mm)
546H4648	45-11/16" (1143mm)

<b>Oak Edge Band and Rear Rail</b>	
546H9029	26-11/16" (660mm)
546H9030	27-11/16" (685mm)
546H9035	32-11/16" (813mm)
546H9036	33-11/16" (838mm)
546H9040	37-5/8" (940mm)
546H9041	38-11/16" (965mm)
546H9042	39-11/16" (990mm)
546H9046	43-5/8" (1092mm)
546H9047	44-11/16" (1118mm)
546H9048	45-11/16" (1143mm)

Sizes are nominal



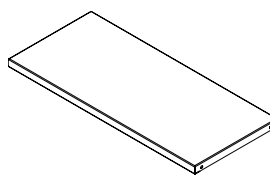
- PVC edge band and rear rail, without end brackets
- 1" (25mm) thick x 15" (381mm) depth
- Use with 546H series shelf brackets
- **UL 962 Listed**

Product No.	Width
<b>Maple Edge Band and Rear Rail</b>	
546H8729	26-11/16" (660mm)
546H8730	27-11/16" (685mm)
546H8735	32-11/16" (813mm)
546H8736	33-11/16" (838mm)
546H8740	37-5/8" (940mm)
546H8741	38-11/16" (965mm)
546H8742	39-11/16" (990mm)
546H8746	43-5/8" (1092mm)
546H8747	44-11/16" (1118mm)
546H8748	45-11/16" (1143mm)

<b>Oak Edge Band and Rear Rail</b>	
546H9129	26-11/16" (660mm)
546H9130	27-11/16" (685mm)
546H9135	32-11/16" (813mm)
546H9136	33-11/16" (838mm)
546H9140	37-5/8" (940mm)
546H9141	38-11/16" (965mm)
546H9142	39-11/16" (990mm)
546H9146	43-5/8" (1092mm)
546H9147	44-11/16" (1118mm)
546H9148	45-11/16" (1143mm)

Sizes are nominal

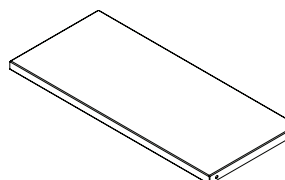
## Steel Shelves



- Load rating of 100 lbs.
- 1" (25mm) thick x 12" (305mm) depth
- Use with 546H series shelf brackets
- **UL 962 Listed**

Product No.	Width
<b>Powdercoated Steel</b>	
546H5029S	26-11/16" (660mm)
546H5030S	27-11/16" (685mm)
546H5035S	32-11/16" (813mm)
546H5036S	33-11/16" (838mm)
546H5040S	37-5/8" (940mm)
546H5041S	38-11/16" (965mm)
546H5042S	39-11/16" (990mm)
546H5046S	43-5/8" (1092mm)
546H5047S	44-11/16" (1118mm)
546H5048S	45-11/16" (1143mm)
546H5060S	55-5/8" (1397mm)
546H5072S	67-5/8" (1702mm)

<b>Stainless Steel</b>	
546H5029SS	26-11/16" (660mm)
546H5030SS	27-11/16" (685mm)
546H5035SS	32-11/16" (813mm)
546H5036SS	33-11/16" (838mm)
546H5040SS	37-5/8" (940mm)
546H5041SS	38-11/16" (965mm)
546H5042SS	39-11/16" (990mm)
546H5046SS	43-5/8" (1092mm)
546H5047SS	44-11/16" (1118mm)
546H5048SS	45-11/16" (1143mm)
546H5060SS	55-5/8" (1397mm)
546H5072SS	67-5/8" (1702mm)

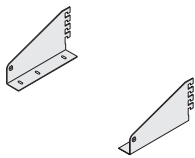


- Load rating of 100 lbs.
- 1" (25mm) thick x 14.875" (378mm) depth
- Use with 546H series shelf brackets
- **UL 962 Listed**

Product No.	Width
<b>Powdercoated Steel</b>	
546H5129S	26-11/16" (660mm)
546H5130S	27-11/16" (685mm)
546H5135S	32-11/16" (813mm)
546H5136S	33-11/16" (838mm)
546H5140S	37-5/8" (940mm)
546H5141S	38-11/16" (965mm)
546H5142S	39-11/16" (990mm)
546H5146S	43-5/8" (1092mm)
546H5147S	44-11/16" (1118mm)
546H5148S	45-11/16" (1143mm)
546H5160S	55-5/8" (1397mm)
546H5172S	67-5/8" (1702mm)

<b>Stainless Steel</b>	
546H5129SS	26-11/16" (660mm)
546H5130SS	27-11/16" (685mm)
546H5135SS	32-11/16" (813mm)
546H5136SS	33-11/16" (838mm)
546H5140SS	37-5/8" (940mm)
546H5141SS	38-11/16" (965mm)
546H5142SS	39-11/16" (990mm)
546H5146SS	43-5/8" (1092mm)
546H5147SS	44-11/16" (1118mm)
546H5148SS	45-11/16" (1143mm)
546H5160SS	55-5/8" (1397mm)
546H5172SS	67-5/8" (1702mm)

Shelf Brackets – 549H Series



- One pair of 9" (229mm) end brackets
- Mounts to wall standards or rear frame uprights
- **UL 962 Listed**
- Use with 12" (305 mm) deep shelves

**Product No.**

Powdercoated Steel	
549H5212	With holes
549H9312	Without holes
Stainless Steel	
549H5212SS	With holes
549H9312SS	Without holes

- One pair of 12" (305mm) end brackets
- Use with 15" (381 mm) deep shelves

**Product No.**

Powdercoated Steel	
549H5215	With holes
549H9315	Without holes
Stainless Steel	
549H5215SS	With holes
549H9315SS	Without holes



- One pair of 12" (305mm) end brackets for top shelves
- Mounts to wall standards or rear frame uprights
- **UL 962 Listed**
- Use with 15" (381 mm) deep shelves

**Product No.**

Powdercoated Steel	
549H5315	
Stainless Steel	
549H5315SS	

Shelf Brackets



- One pair of end brackets
- Mounts to wall standards or rear frame uprights
- **UL 962 Listed**

Use with 546H series 3/4" (19 mm) shelves

**Product No.**

Powdercoated Steel	Size	
546H5412	9" (229 mm)	with hole
546H9412	9" (229 mm)	without hole
546H5415	12" (305 mm)	with hole
546H9415	12" (305 mm)	without hole

Stainless Steel		
546H5415SS	9" (229 mm)	with hole
546H9412SS	9" (229 mm)	without hole
546H5415SS	12" (305 mm)	with hole
546H9415SS	12" (305 mm)	without hole

Use with 546H series 1" shelves

**Product No.**

Powdercoated Steel	Size	
546H5212	9" (229 mm)	with hole
546H9312	9" (229 mm)	without hole
546H5215	12" (305 mm)	with hole
546H9315	12" (305 mm)	without hole

Stainless Steel		
546H5212SS	9" (229 mm)	with hole
546H9312SS	9" (229 mm)	without hole
546H5215SS	12" (305 mm)	with hole
546H9315SS	12" (305 mm)	without hole



- One pair of 12" (305mm) end brackets for top shelves
- Mounts to wall standards or rear frame uprights
- **UL 962 Listed**
- Use with 15" (381 mm) deep shelves

Use with 546H series 3/4" (19 mm) size

**Product No.**

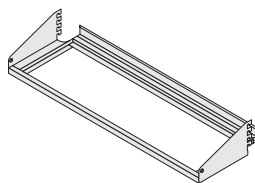
Powdercoated Steel	Size
546H5515	12" (305 mm)
Stainless Steel	
546H5515SS	12" (305 mm)

Use with 546H series 1" (25 mm) shelves

**Product No.**

Powdercoated Steel	Size
546H5315	12" (305 mm)
Stainless Steel	
546H5315SS	12" (305 mm)

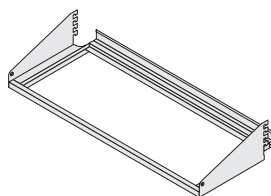
## Shelf Frame Assemblies



- Powdercoated steel or stainless steel end brackets and full frame
- 3/4" (19mm) thick x 12" (305mm) deep

**Shelf frame assemblies only. Shelf inserts must be ordered separately.**

Product No.	Width
<b>Powdercoated Steel</b>	
549H4029	28-15/16" (735mm)
549H4030	29-15/16" (760mm)
549H4035	34-15/16" (887mm)
549H4036	35-15/16" (913mm)
549H4040	39-7/8" (1012mm)
549H4041	40-15/16" (1039mm)
549H4042	41-15/16" (1065mm)
549H4046	45-7/8" (1165mm)
549H4047	46-15/16" (1192mm)
549H4048	47-15/16" (1218mm)
<b>Stainless Steel</b>	
549H4029SS	28-15/16" (735mm)
549H4030SS	29-15/16" (760mm)
549H4035SS	34-15/16" (887mm)
549H4036SS	35-15/16" (913mm)
549H4040SS	39-7/8" (1012mm)
549H4041SS	40-15/16" (1039mm)
549H4042SS	41-15/16" (1065mm)
549H4046SS	45-7/8" (1165mm)
549H4047SS	46-15/16" (1192mm)
549H4048SS	47-15/16" (1218mm)

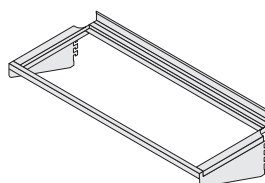


- Powdercoated steel or stainless steel end brackets and full frame
- 3/4" (19mm) thick x 15" (381mm) deep

**Shelf frame assemblies only. Shelf inserts must be ordered separately.**

Product No.	Width
<b>Powdercoated Steel</b>	
549H4129	28-15/16" (735mm)
549H4130	29-15/16" (760mm)
549H4135	34-15/16" (887mm)
549H4136	35-15/16" (913mm)
549H4140	39-7/8" (1012mm)
549H4141	40-15/16" (1039mm)
549H4142	41-15/16" (1065mm)
549H4146	45-7/8" (1165mm)
549H4147	46-15/16" (1192mm)
549H4148	47-15/16" (1218mm)
<b>Stainless Steel</b>	
549H4129SS	28-15/16" (735mm)
549H4130SS	29-15/16" (760mm)
549H4135SS	34-15/16" (887mm)
549H4136SS	35-15/16" (913mm)
549H4140SS	39-7/8" (1012mm)
549H4141SS	40-15/16" (1039mm)
549H4142SS	41-15/16" (1065mm)
549H4146SS	45-7/8" (1165mm)
549H4147SS	46-15/16" (1192mm)
549H4148SS	47-15/16" (1218mm)

## Top Shelf Frame Assemblies

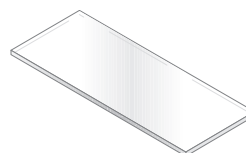


- Powdercoated steel or stainless steel end brackets and full top frame
- 3/4" (19mm) thick x 15" (381mm) deep
- UL 962 Listed

**Shelf frame assemblies only. Shelf inserts must be ordered separately.**

Product No.	Width
<b>Powdercoated Steel</b>	
549H4229	28-15/16" (735mm)
549H4230	29-15/16" (760mm)
549H4235	34-15/16" (887mm)
549H4236	35-15/16" (913mm)
549H4240	39-7/8" (1012mm)
549H4241	40-15/16" (1039mm)
549H4242	41-15/16" (1065mm)
549H4246	45-7/8" (1165mm)
549H4247	46-15/16" (1192mm)
549H4248	47-15/16" (1218mm)
<b>Stainless Steel</b>	
549H4229SS	28-15/16" (735mm)
549H4230SS	29-15/16" (760mm)
549H4235SS	34-15/16" (887mm)
549H4236SS	35-15/16" (913mm)
549H4240SS	39-7/8" (1012mm)
549H4241SS	40-15/16" (1039mm)
549H4242SS	41-15/16" (1065mm)
549H4246SS	45-7/8" (1165mm)
549H4247SS	46-15/16" (1192mm)
549H4248SS	47-15/16" (1218mm)

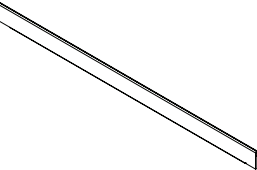
## Glass Shelf Inserts



- Laminated clear glass shelf insert for steel frame
- 1/2" (12mm) thick x 9-5/8" (245mm) or 12-5/8" (321mm) deep
- UL-962 Listed

Product No.	Width
<b>9-5/8" (245mm) Depth</b>	
549H3829	26-13/32" (671mm)
549H3830	27-7/16" (697mm)
549H3835	32-13/32" (823mm)
549H3836	33-13/32" (913mm)
549H3840	37-11/32" (947mm)
549H3841	38-13/32" (976mm)
549H3842	39-7/16" (1001mm)
549H3846	43-11/32" (1101mm)
549H3847	44-13/32" (1128mm)
549H3848	45-7/16" (1154mm)
<b>12-5/8" (321mm) Depth</b>	
549H3929	26-13/32" (671mm)
549H3930	27-7/16" (697mm)
549H3935	32-13/32" (823mm)
549H3936	33-13/32" (913mm)
549H3940	37-11/32" (947mm)
549H3941	38-13/32" (976mm)
549H3942	39-7/16" (1001mm)
549H3946	43-11/32" (1101mm)
549H3947	44-13/32" (1128mm)
549H3948	45-7/16" (1154mm)

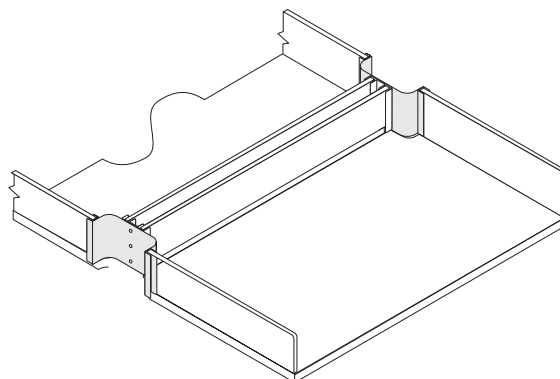
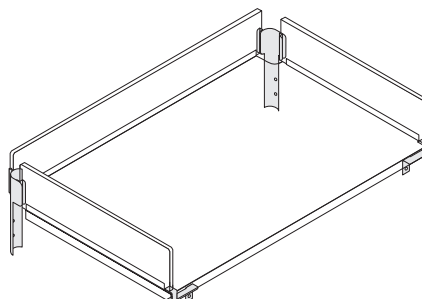
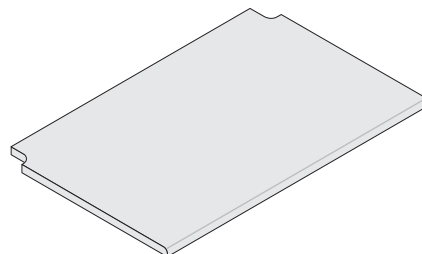
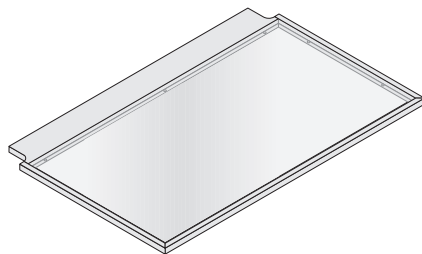
Steel Shelf Lip



■ Powdercoated steel or stainless steel shelf lip

Product No.	Width
Powdercoated Steel	
549H9229L	26-1/2" (673mm)
549H9230L	27-1/2" (698mm)
549H9235L	32-1/2" (825mm)
549H9236L	33-1/2" (851mm)
549H9240L	37-1/2" (953mm)
549H9241L	38-1/2" (978mm)
549H9242L	39-1/2" (1003mm)
549H9246L	43-1/2" (1105mm)
549H9247L	44-1/2" (1130mm)
549H9248L	45-1/2" (1156mm)
549H9260L	55-1/2" (1410mm)
549H9272L	67-1/2" (1715mm)

Stainless Steel	
549H9229LSS	26-1/2" (673mm)
549H9230LSS	27-1/2" (698mm)
549H9235LSS	32-1/2" (825mm)
549H9236LSS	33-1/2" (851mm)
549H9240LSS	37-1/2" (953mm)
549H9241LSS	38-1/2" (978mm)
549H9242LSS	39-1/2" (1003mm)
549H9246LSS	43-1/2" (1105mm)
549H9247LSS	44-1/2" (1130mm)
549H9248LSS	45-1/2" (1156mm)
549H9260LSS	55-1/2" (1410mm)
549H9272LSS	67-1/2" (1715mm)



Work surfaces are available in high pressure laminate, epoxy resin, phenolic resin and framed laminated safety glass. Back and side splashes are also available in epoxy resin, phenolic resin and laminated safety glass.

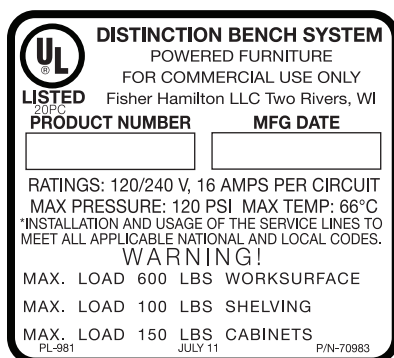
**Glass Work Surfaces** ..... p. 60

**Phenolic Resin Work Surfaces** ..... p. 61

**Epoxy Resin Work Surfaces** ..... p. 61

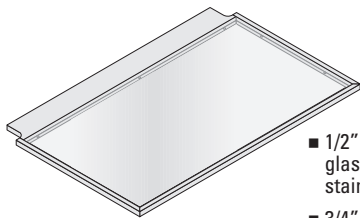
**Plastic Laminate Work Surfaces** ..... p. 61

**Back and Side Splashes** ..... p. 62-67



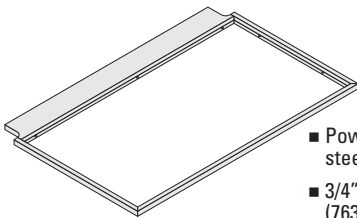


Glass Work Surface Assemblies



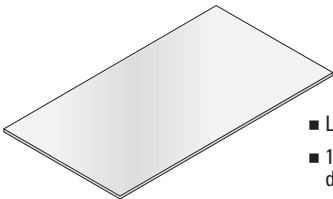
- 1/2" (13mm) thick laminated safety glass set in a powdercoated steel or stainless steel full frame
- 3/4" (19mm) overall thickness x 30" (763mm) overall depth

Product No.	Width
Powdercoated Steel Frame	
549H8842	42" (1067mm)
549H8848	48" (1219mm)
549H8860	60" (1524mm)
549H8872	72" (1829mm)
549H8896	96" (2438mm)
Stainless Steel Frame	
549H8842SS	42" (1067mm)
549H8848SS	48" (1219mm)
549H8860SS	60" (1524mm)
549H8872SS	72" (1829mm)
549H8896SS	96" (2438mm)



- Powdercoated steel or stainless steel full frame
- 3/4" (19mm) overall thickness x 30" (763mm) overall depth

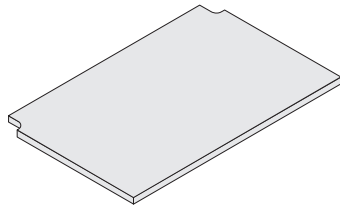
Product No.	Width
Powdercoated Steel Frame	
549H8042	42" (1067mm)
549H8048	48" (1219mm)
549H8060	60" (1524mm)
549H8072	72" (1829mm)
549H8096	96" (2438mm)
Stainless Steel Frame	
549H8042SS	42" (1067mm)
549H8048SS	48" (1219mm)
549H8060SS	60" (1524mm)
549H8072SS	72" (1829mm)
549H8096SS	96" (2438mm)



- Laminated safety glass insert
- 1/2" (13mm) thick x 25-7/16" (645mm) depth

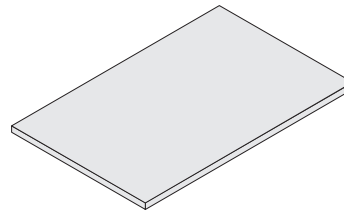
Product No.	Width
549H7042	42" (1067mm)
549H7048	48" (1219mm)
549H7060	60" (1524mm)
549H7072	72" (1829mm)
549H7096	96" (2438mm)

## Phenolic Resin Work Surfaces



- Black Phenolic Resin with rear cutouts for bench frames with full-height rear frame assemblies
- 30" (763mm) depth
- UL 962 Listed

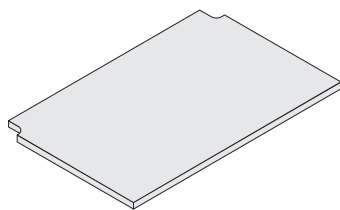
Product No.	Width	Product No.	Width
<b>1" (25mm) Thick Work Surface</b>		<b>3/4" (19mm) Thick Work Surface</b>	
549H7242	42" (1067mm)	549H9742	42" (1067mm)
549H7248	48" (1219mm)	549H9748	48" (1219mm)
549H7260	60" (1524mm)	549H9760	60" (1524mm)
549H7272	72" (1829mm)	549H9772	72" (1829mm)
549H7296	96" (2438mm)	549H9796	96" (2438mm)



- Black Phenolic Resin for four-post bench frames
- 30" (763mm) depth
- UL 962 Listed

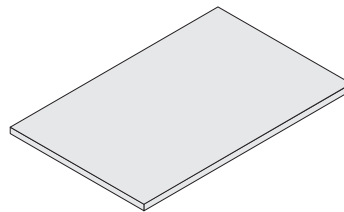
Product No.	Width	Product No.	Width
<b>1" (25mm) Thick Work Surface</b>		<b>3/4" (19mm) Thick Work Surface</b>	
549H9542	42" (1067mm)	21L3042T	42" (1067mm)
549H9548	48" (1219mm)	21L3048T	48" (1219mm)
549H9560	60" (1524mm)	21L3060T	60" (1524mm)
549H9572	72" (1829mm)	21L3072T	72" (1829mm)
549H9596	96" (2438mm)	21L3096T	96" (2438mm)

## Epoxy Resin Work Surfaces



- Black Epoxy Resin with rear cutouts for bench frames with full-height rear frame assemblies
- 30" (763mm) depth
- UL 962 Listed

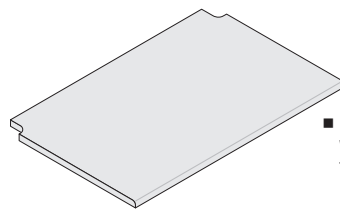
Product No.	Width	Product No.	Width
<b>1" (25mm) Thick Work Surface</b>		<b>3/4" (19mm) Thick Work Surface</b>	
549H7142	42" (1067mm)	549H9642	42" (1067mm)
549H7148	48" (1219mm)	549H9648	48" (1219mm)
549H7160	60" (1524mm)	549H9660	60" (1524mm)
549H7172	72" (1829mm)	549H9672	72" (1829mm)
549H7196	96" (2438mm)	549H9696	96" (2438mm)



- Black Epoxy Resin for four-post bench frames
- 30" (763mm) depth
- UL 962 Listed

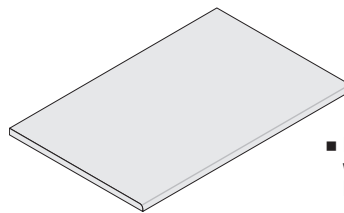
Product No.	Width	Product No.	Width
<b>1" (25mm) Thick Work Surface</b>		<b>3/4" (19mm) Thick Work Surface</b>	
21L3042E	42" (1067mm)	549H9842	42" (1067mm)
21L3048E	48" (1219mm)	549H9848	48" (1219mm)
21L3060E	60" (1524mm)	549H9860	60" (1524mm)
21L3072E	72" (1829mm)	549H9872	72" (1829mm)
21L3096E	96" (2438mm)	549H9896	96" (2438mm)

## High Pressure Plastic Laminate Work Surfaces



- High pressure plastic laminate with waterfall front edge and rear cutouts for bench frames with full-height rear frame assemblies
- 1" (25mm) thick x 30" (763mm) depth
- Color per order
- UL 962 Listed

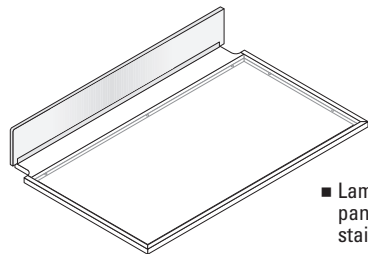
Product No.	Width
549H8942	42" (1067mm)
549H8948	48" (1219mm)
549H8960	60" (1524mm)
549H8972	72" (1829mm)
549H8996	96" (2438mm)



- High pressure plastic laminate with waterfall front edge for four-post bench frames
- 1" (25mm) thick x 30" (763mm) depth
- Color per order
- UL 962 Listed

Product No.	Width
549H9442	42" (1067mm)
549H9448	48" (1219mm)
549H9460	60" (1524mm)
549H9472	72" (1829mm)
549H9496	96" (2438mm)

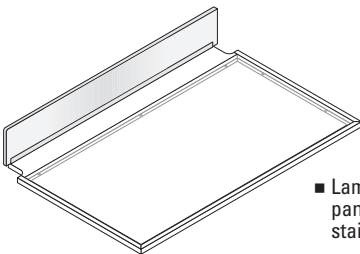
Glass Backsplash Panels  
for Tubular Rear Frame Assembly



- Laminated safety glass backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- Extended leadtime item/minimum quantity requirements
- **UL 962 Listed**

Product No.	Width
Powdercoated Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
549H5642	39-1/4" (997mm)
549H5648	45-1/4" (1149mm)
549H5660	57-1/4" (1454mm)
549H5672	69-1/4" (1759mm)
549H5696	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H5742	39-1/4" (997mm)
549H5748	45-1/4" (1149mm)
549H5760	57-1/4" (1454mm)
549H5772	69-1/4" (1759mm)
549H5796	93-1/4" (2369mm)
Stainless Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
549H5642SS	39-1/4" (997mm)
549H5648SS	45-1/4" (1149mm)
549H5660SS	57-1/4" (1454mm)
549H5672SS	69-1/4" (1759mm)
549H5696SS	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H5742SS	39-1/4" (997mm)
549H5748SS	45-1/4" (1149mm)
549H5760SS	57-1/4" (1454mm)
549H5772SS	69-1/4" (1759mm)
549H5796SS	93-1/4" (2369mm)

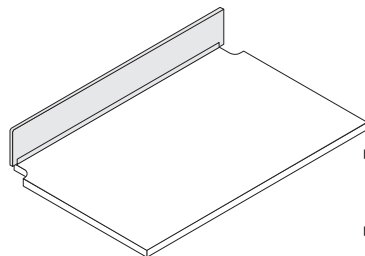
Glass Backsplash Panels  
for Shared Rear Frame Assembly



- Laminated safety glass backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- Extended leadtime item/minimum quantity requirements
- **UL 962 Listed**

Product No.	Width
Powdercoated Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
547H1442	37-3/8" (949mm)
547H1448	43-3/8" (1102mm)
547H1460	55-3/8" (1407mm)
547H1472	67-3/8" (1711mm)
547H1496	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H1542	37-3/8" (949mm)
547H1548	43-3/8" (1102mm)
547H1560	55-3/8" (1407mm)
547H1572	67-3/8" (1711mm)
547H1596	91-3/8" (2321mm)
Stainless Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
547H1442SS	37-3/8" (949mm)
547H1448SS	43-3/8" (1102mm)
547H1460SS	55-3/8" (1407mm)
547H1472SS	67-3/8" (1711mm)
547H1496SS	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H1542SS	37-3/8" (949mm)
547H1548SS	43-3/8" (1102mm)
547H1560SS	55-3/8" (1407mm)
547H1572SS	67-3/8" (1711mm)
547H1596SS	91-3/8" (2321mm)

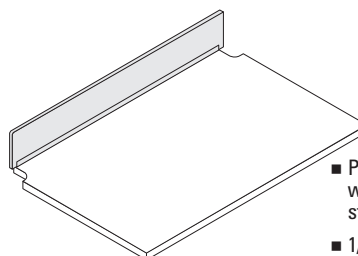
### Phenolic Resin Backsplash Panels for Tubular Rear Frame Assembly



- Phenolic Resin backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- UL 962 Listed

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H5842	39-1/4" (997mm)
549H5848	45-1/4" (1149mm)
549H5860	57-1/4" (1454mm)
549H5872	69-1/4" (1759mm)
549H5896	93-1/4" (2369mm)
3-7/8" (98mm) Overall Height	
549H5942	39-1/4" (997mm)
549H5948	45-1/4" (1149mm)
549H5960	57-1/4" (1454mm)
549H5972	69-1/4" (1759mm)
549H5996	93-1/4" (2369mm)
5-7/8" (149mm) Overall Height	
549H6042	39-1/4" (997mm)
549H6048	45-1/4" (1149mm)
549H6060	57-1/4" (1454mm)
549H6072	69-1/4" (1759mm)
549H6096	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H6142	39-1/4" (997mm)
549H6148	45-1/4" (1149mm)
549H6160	57-1/4" (1454mm)
549H6172	69-1/4" (1759mm)
549H6196	93-1/4" (2369mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H5842SS	39-1/4" (997mm)
549H5848SS	45-1/4" (1149mm)
549H5860SS	57-1/4" (1454mm)
549H5872SS	69-1/4" (1759mm)
549H5896SS	93-1/4" (2369mm)
3-7/8" (98mm) Overall Height	
549H5948SS	45-1/4" (1149mm)
549H5960SS	57-1/4" (1454mm)
549H5972SS	69-1/4" (1759mm)
549H5996SS	93-1/4" (2369mm)
5-7/8" (149mm) Overall Height	
549H6042SS	39-1/4" (997mm)
549H6048SS	45-1/4" (1149mm)
549H6060SS	57-1/4" (1454mm)
549H6072SS	69-1/4" (1759mm)
549H6096SS	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H6142SS	39-1/4" (997mm)
549H6148SS	45-1/4" (1149mm)
549H6160SS	57-1/4" (1454mm)
549H6172SS	69-1/4" (1759mm)
549H6196SS	93-1/4" (2369mm)

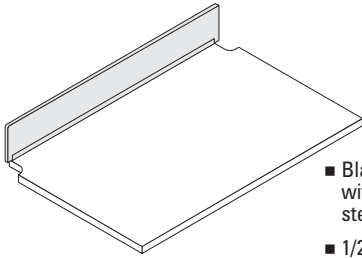
### Phenolic Resin Backsplash Panels for Shared Rear Frame Assembly



- Phenolic Resin backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- UL 962 Listed

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
547H1042	37-3/8" (949mm)
547H1048	43-3/8" (1102mm)
547H1060	55-3/8" (1407mm)
547H1072	67-3/8" (1711mm)
547H1096	91-3/8" (2321mm)
3-7/8" (98mm) Overall Height	
547H1142	37-3/8" (949mm)
547H1148	43-3/8" (1102mm)
547H1160	55-3/8" (1407mm)
547H1172	67-3/8" (1711mm)
547H1196	91-3/8" (2321mm)
5-7/8" (149mm) Overall Height	
547H1242	37-3/8" (949mm)
547H1248	43-3/8" (1102mm)
547H1260	55-3/8" (1407mm)
547H1272	67-3/8" (1711mm)
547H1296	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H1342	37-3/8" (949mm)
547H1348	43-3/8" (1102mm)
547H1360	55-3/8" (1407mm)
547H1372	67-3/8" (1711mm)
547H1396	91-3/8" (2321mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
547H1042SS	37-3/8" (949mm)
547H1048SS	43-3/8" (1102mm)
547H1060SS	55-3/8" (1407mm)
547H1072SS	67-3/8" (1711mm)
547H1096SS	91-3/8" (2321mm)
3-7/8" (98mm) Overall Height	
547H1142SS	37-3/8" (949mm)
547H1148SS	43-3/8" (1102mm)
547H1160SS	55-3/8" (1407mm)
547H1172SS	67-3/8" (1711mm)
547H1196SS	91-3/8" (2321mm)
5-7/8" (149mm) Overall Height	
547H1242SS	37-3/8" (949mm)
547H1248SS	43-3/8" (1102mm)
547H1260SS	55-3/8" (1407mm)
547H1272SS	67-3/8" (1711mm)
547H1296SS	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H1342SS	37-3/8" (949mm)
547H1348SS	43-3/8" (1102mm)
547H1360SS	55-3/8" (1407mm)
547H1372SS	67-3/8" (1711mm)
547H1396SS	91-3/8" (2321mm)

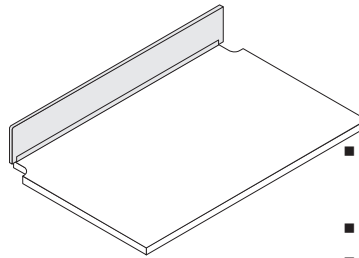
### Epoxy Resin Backsplash Panels for Tubular Rear Frame Assembly



- Black Epoxy Resin backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See page 59 for attachment brackets
- UL 962 Listed

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6242	39-1/4" (997mm)
549H6248	45-1/4" (1149mm)
549H6260	57-1/4" (1454mm)
549H6272	69-1/4" (1759mm)
549H6296	93-1/4" (2369mm)
3-7/8" (98mm) Overall Height	
549H6342	39-1/4" (997mm)
549H6348	45-1/4" (1149mm)
549H6360	57-1/4" (1454mm)
549H6372	69-1/4" (1759mm)
549H6396	93-1/4" (2369mm)
5-7/8" (149mm) Overall Height	
549H6442	39-1/4" (997mm)
549H6448	45-1/4" (1149mm)
549H6460	57-1/4" (1454mm)
549H6472	69-1/4" (1759mm)
549H6496	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H6542	39-1/4" (997mm)
549H6548	45-1/4" (1149mm)
549H6560	57-1/4" (1454mm)
549H6572	69-1/4" (1759mm)
549H6596	93-1/4" (2369mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6242SS	39-1/4" (997mm)
549H6248SS	45-1/4" (1149mm)
549H6260SS	57-1/4" (1454mm)
549H6272SS	69-1/4" (1759mm)
549H6296SS	93-1/4" (2369mm)
3-7/8" (98mm) Overall Height	
549H6342SS	39-1/4" (997mm)
549H6348SS	45-1/4" (1149mm)
549H6360SS	57-1/4" (1454mm)
549H6372SS	69-1/4" (1759mm)
549H6396SS	93-1/4" (2369mm)
5-7/8" (149mm) Overall Height	
549H6442SS	39-1/4" (997mm)
549H6448SS	45-1/4" (1149mm)
549H6460SS	57-1/4" (1454mm)
549H6472SS	69-1/4" (1759mm)
549H6496SS	93-1/4" (2369mm)
12-7/8" (327mm) Overall Height	
549H6542SS	39-1/4" (997mm)
549H6548SS	45-1/4" (1149mm)
549H6560SS	57-1/4" (1454mm)
549H6572SS	69-1/4" (1759mm)
549H6596SS	93-1/4" (2369mm)

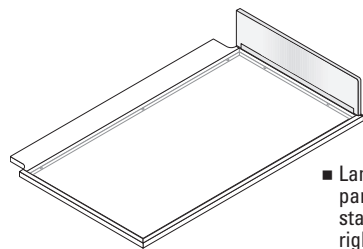
### Epoxy Resin Backsplash Panels for Shared Rear Frame Assembly



- Epoxy Resin backsplash panel with powdercoated steel or stainless steel bottom channel
- 1/2" (13mm) thick
- See splash brackets on page 59 for attachment
- UL 962 Listed

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
547H0642	37-3/8" (949mm)
547H0648	43-3/8" (1102mm)
547H0660	55-3/8" (1407mm)
547H0672	67-3/8" (1711mm)
547H0696	91-3/8" (2321mm)
3-7/8" (98mm) Overall Height	
547H0742	37-3/8" (949mm)
547H0748	43-3/8" (1102mm)
547H0760	55-3/8" (1407mm)
547H0772	67-3/8" (1711mm)
547H0796	91-3/8" (2321mm)
5-7/8" (149mm) Overall Height	
547H0842	37-3/8" (949mm)
547H0848	43-3/8" (1102mm)
547H0860	55-3/8" (1407mm)
547H0872	67-3/8" (1711mm)
547H0896	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H0942	37-3/8" (949mm)
547H0948	43-3/8" (1102mm)
547H0960	55-3/8" (1407mm)
547H0972	67-3/8" (1711mm)
547H0996	91-3/8" (2321mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
547H0642SS	37-3/8" (949mm)
547H0648SS	43-3/8" (1102mm)
547H0660SS	55-3/8" (1407mm)
547H0672SS	67-3/8" (1711mm)
547H0696SS	91-3/8" (2321mm)
3-7/8" (98mm) Overall Height	
547H0742SS	37-3/8" (949mm)
547H0748SS	43-3/8" (1102mm)
547H0760SS	55-3/8" (1407mm)
547H0772SS	67-3/8" (1711mm)
547H0796SS	91-3/8" (2321mm)
5-7/8" (149mm) Overall Height	
547H0842SS	37-3/8" (949mm)
547H0848SS	43-3/8" (1102mm)
547H0860SS	55-3/8" (1407mm)
547H0872SS	67-3/8" (1711mm)
547H0896SS	91-3/8" (2321mm)
12-7/8" (327mm) Overall Height	
547H0942SS	37-3/8" (949mm)
547H0948SS	43-3/8" (1102mm)
547H0960SS	55-3/8" (1407mm)
547H0972SS	67-3/8" (1711mm)
547H0996SS	91-3/8" (2321mm)

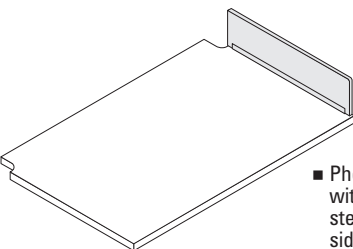
Glass Sidesplash Panels  
for Rear Frame Assemblies



- Laminated safety glass sidesplash panel with powdercoated steel or stainless steel bottom channel – right or left side
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- Extended leadtime item/minimum quantity requirements
- **UL 962 Listed**

Product No.	Width
Powdercoated Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
549H6606	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6613	26-3/4" (680mm)
Stainless Steel Bottom Channel	
5-7/8" (149mm) Overall Height	
549H6606SS	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6613SS	26-3/4" (680mm)

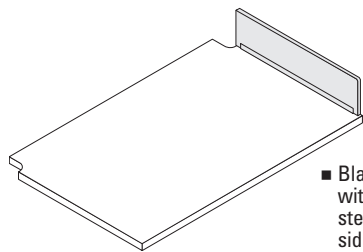
Phenolic Resin Sidesplash Panels  
for Rear Frame Assemblies



- Phenolic Resin sidesplash panel with powdercoated steel or stainless steel bottom channel – right or left side
- 1/2" (13mm) thick
- See splash brackets on page 65 for attachment
- **UL 962 Listed**

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6702	26-3/4" (680mm)
3-7/8" (98mm) Overall Height	
549H6704	26-3/4" (680mm)
5-7/8" (149mm) Overall Height	
549H6706	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6713	26-3/4" (680mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6702SS	26-3/4" (680mm)
3-7/8" (98mm) Overall Height	
549H6704SS	26-3/4" (680mm)
5-7/8" (149mm) Overall Height	
549H6706SS	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6713SS	26-3/4" (680mm)

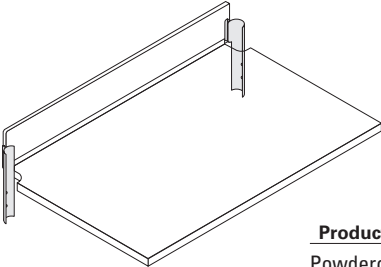
Epoxy Resin Sidesplash Panels for Rear Frame Assemblies



- Black Epoxy Resin sidesplash panel with powdercoated steel or stainless steel bottom channel – right or left side
- 1/2" (13mm) thick
- See page 59 for attachment brackets
- **UL 962 Listed**

Product No.	Width
Powdercoated Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6802	26-3/4" (680mm)
3-7/8" (98mm) Overall Height	
549H6804	26-3/4" (680mm)
5-7/8" (149mm) Overall Height	
549H6806	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6813	26-3/4" (680mm)
Stainless Steel Bottom Channel	
1-7/8" (48mm) Overall Height	
549H6802SS	26-3/4" (680mm)
3-7/8" (98mm) Overall Height	
549H6804SS	26-3/4" (680mm)
5-7/8" (149mm) Overall Height	
549H6806SS	26-3/4" (680mm)
12-7/8" (327mm) Overall Height	
549H6813SS	26-3/4" (680mm)

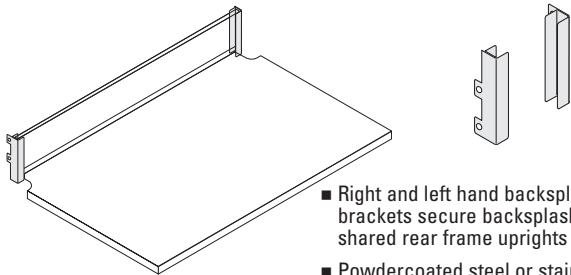
Backsplash Brackets for Tubular Rear Frame



- Right and left hand backsplash brackets secure backsplash panel to tubular rear frame uprights
- Powdercoated steel or stainless steel
- **UL 962 Listed**

Product No.	Right/Left Hand
Powdercoated Steel Bracket	
549H6902	Left Hand
549H6905	Right Hand
Stainless Steel Bracket	
549H6902SS	Left Hand
549H6905SS	Right Hand

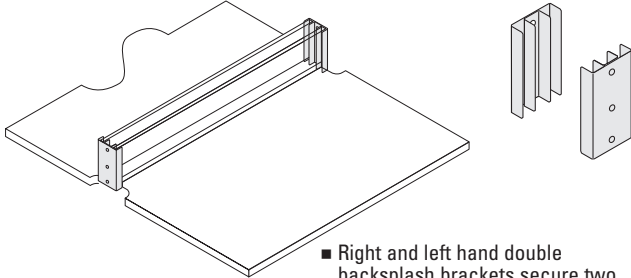
Backsplash Brackets When Used with Shared Rear Frame



- Right and left hand backsplash brackets secure backsplash panel to shared rear frame uprights
- Powdercoated steel or stainless steel
- **UL 962 Listed**

Product No.	
Powdercoated Steel Bracket	
547H0500	One Pair
Stainless Steel Bracket	
547H0500SS	One Pair

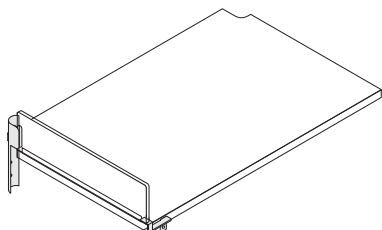
Double Backsplash Brackets When Used with Shared Rear Frame



- Right and left hand double backsplash brackets secure two backsplash panels to shared rear frame uprights
- Powdercoated steel or stainless steel
- **UL 962 Listed**

Product No.	
Powdercoated Steel Bracket	
547H0501	One Pair
Stainless Steel Bracket	
547H0501SS	One Pair

### Sidesplash Brackets – Left Hand for Tubular Rear Frame

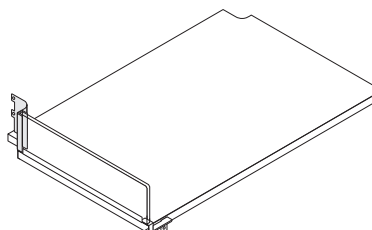


- Left hand sidesplash bracket secures sidesplash panel to tubular rear frame uprights and table frame
- Includes rear tubular and front frame bracket
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No.

Powdercoated Steel Bracket  
549H6901  
Stainless Steel Bracket  
549H6901SS

### Sidesplash Brackets – Left Hand for Shared Rear Frame

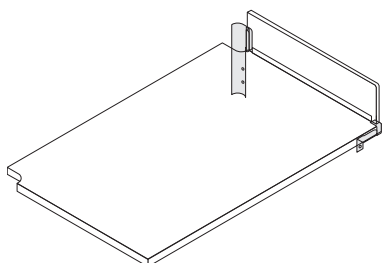


- Left hand sidesplash bracket secures sidesplash panel to shared rear frame uprights and table frame
- Includes rear tubular and front frame bracket
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No.

Powdercoated Steel Bracket  
547H0502  
Stainless Steel Bracket  
547H0502SS

### Sidesplash Brackets – Right Hand for Tubular Rear Frame

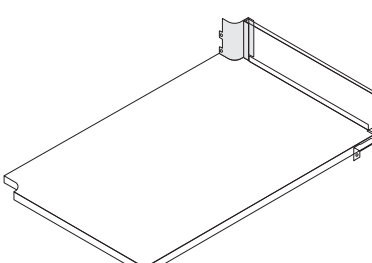


- Right hand sidesplash bracket secures sidesplash panel to tubular rear frame uprights and table frame
- Includes rear tubular and front frame bracket
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No.

Powdercoated Steel Bracket  
549H6904  
Stainless Steel Bracket  
549H6904SS

### Sidesplash Brackets – Right Hand for Shared Rear Frame

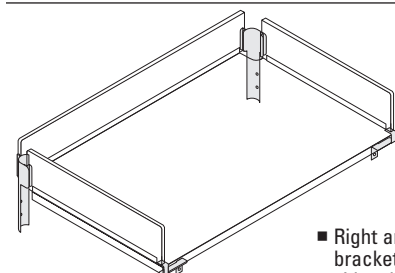


- Right hand sidesplash bracket secures sidesplash panel to shared rear frame uprights and table frame
- Includes rear tubular and front frame bracket
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No.

Powdercoated Steel Bracket  
547H0503  
Stainless Steel Bracket  
547H0503SS

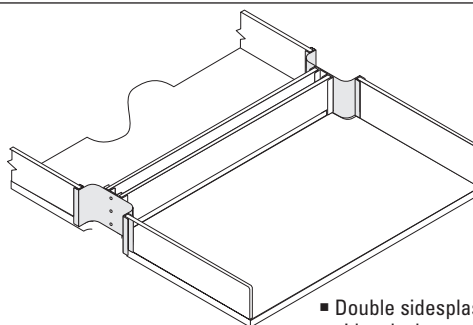
### Back/Sidesplash Brackets for Tubular Rear Frame



- Right and left hand back/sidesplash brackets secure backslash and sidesplash panels to tubular rear frame uprights and front table frame
- Includes rear tubular and front frame bracket for right or left hand side
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No. Right/Left Hand

Powdercoated Steel Bracket	
549H6903	Left Hand
549H6906	Right Hand
Stainless Steel Bracket	
549H6903SS	Left Hand
549H6906SS	Right Hand



- Double sidesplash brackets secure sidesplash panels to shared rear frame uprights and front table frame
- Includes one pair of double brackets and front frame brackets for right and left hand side
- Powdercoated steel or stainless steel
- **UL 962 Listed**

#### Product No.

Powdercoated Steel Bracket	
547H0504	One Pair
Stainless Steel Bracket	
547H0504SS	One Pair



Hamilton Scientific Concept fume hoods incorporate the latest innovations in performance features, enhancements and styling. Hamilton Concept is constructed of durable materials and finishes specific to the rigors of the laboratory and is designed to provide superior value throughout the life of the product.

For available fume hood service fixtures and for additional airflow products refer to the Hamilton Scientific Fume Hood Product Specification catalog.

**Fume Hood**  
**Superstructures** ..... p. 69-70

**Ceiling**  
**Enclosures** ..... p. 71-72

**Bench Frames** ..... p. 73

**Work Surfaces** ..... p. 74

Fumehoods in this section are classified under UL 1805



**Hamilton Concept Fume Hood Features:**

- 35" sash viewing height
- AutoSash automatic positioning system – the sash locks in the set-up position and automatically returns to the maximum operational height when the lock is released
- Improved combination sash – features top-hung frameless sash panels with ball-bearing rollers for smooth operation
- Low profile airfoil – obstruction-free access to the hood interior
- Chain-drive sash counterbalance system
- Preset baffle system – no adjustment required
- Designed for 60 to 100 feet-per-minute face velocities
- Downdraft bypass – air flows through the bypass area with increased volume and less resistance for quieter operation
- UL 1805 Classified

For Work Surfaces see Page 59

For Fixture Options for Concept fume hoods and additional airflow products, refer to the Hamilton Scientific Fume Hood Product Specification Catalog

### Hamilton Concept Fume Hood Superstructures with Wood Upper and Side Panels



- Restricted bypass combination sash fume hood superstructure with powdercoated or stainless steel front and wood upper and side panels
- Plugged holes for fixtures
- 37-1/4" (946mm) depth (Upper air chamber adds 4-1/2" (115mm) to depth)

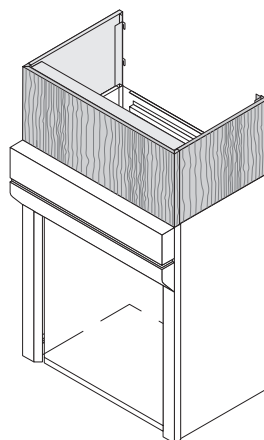
Product No.	Width
<b>Powdercoated Steel Front</b>	
61L2750PB_DC	48" (1219mm)
61L2751PB_DC	60" (1524mm)
61L2752PB_DC	72" (1829mm)
61L2754PB_DC	96" (2438mm)
<b>Stainless Steel Front</b>	
61L2750PB_DS	48" (1219mm)
61L2751PB_DS	60" (1524mm)
61L2752PB_DS	72" (1829mm)
61L2754PB_DS	96" (2438mm)

**\*End panel suffix legend**

Suffix	Panel Quantity
U	0
B	2
L	1
R	1

Place the appropriate suffix letter in the ninth position of the product number to indicate end panel quantity and placement

### Wood Ceiling Enclosures for Fume Hood Superstructures



- Wood front and side ceiling enclosure panels

Product No.	Height
<b>Front Ceiling Enclosure panel</b>	
48" (1219mm) Width	
54W48170FCSE	17-1/2" (445mm)
54W48200FCSE	20-1/2" (521mm)
54W48280FCSE	28-1/2" (724mm)
54W48320FCSE	32-1/2" (826mm)
60" (1524mm) Width	
54W60170FCSE	17-1/2" (445mm)
54W60200FCSE	20-1/2" (521mm)
54W60280FCSE	28-1/2" (724mm)
54W60320FCSE	32-1/2" (826mm)
72" (1829mm) Width	
54W72170FCSE	17-1/2" (445mm)
54W72200FCSE	20-1/2" (521mm)
54W72280FCSE	28-1/2" (724mm)
54W72320FCSE	32-1/2" (826mm)
96" (2438mm) Width	
54W96170FCSE	17-1/2" (445mm)
54W96200FCSE	20-1/2" (521mm)
54W96280FCSE	28-1/2" (724mm)
54W96320FCSE	32-1/2" (826mm)
<b>Side Ceiling Enclosure Panel (Right and Left Sides are Interchangeable)</b>	
36-1/2" (927mm) Depth	
54W37170ECEP	17-1/2" (445mm)
54W37200ECEP	20-1/2" (521mm)
54W37280ECEP	28-1/2" (724mm)
54W37320ECEP	32-1/2" (826mm)

### Hamilton Concept Fume Hood Superstructures with Steel Upper and Side Panels

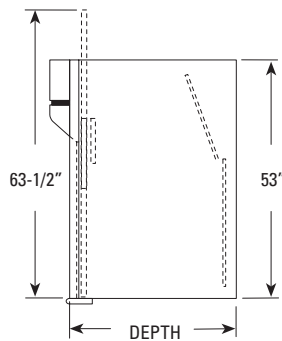
- Vertical rising unframed sash or combination sash fume hood superstructure with powdercoated steel front and side panels
- Plugged holes for fixtures
- Three depths: 31-1/4" (794mm), 37-1/4" (946mm) and 43-1/4" (1099mm)  
(Upper air chamber adds 4-1/2" (115mm) to depth)
- Side panels included



Product Numbers			
31-1/4" Depth	37-1/4" Depth	43-1/4" Depth	Width
Bypass Vertical Rising Unframed Sash			
54L2570P0	61L2570P0	62L2570P0	48" (1219mm)
54L2571P0	61L2571P0	62L2571P0	60" (1524mm)
54L2572P0	61L2572P0	62L2572P0	72" (1829mm)
54L2574P0	61L2574P0	62L2574P0	96" (2438mm)
Restricted Bypass Vertical Rising Unframed Sash			
54L2750P0	61L2750P0	62L2750P0	48" (1219mm)
54L2751P0	61L2751P0	62L2751P0	60" (1524mm)
54L2752P0	61L2752P0	62L2752P0	72" (1829mm)
54L2754P0	61L2754P0	62L2754P0	96" (2438mm)
Restricted Bypass Combination Sash			
54L2750PB	61L2750PB	62L2750PB	48" (1219mm)
54L2751PB	61L2751PB	62L2751PB	60" (1524mm)
54L2752PB	61L2752PB	62L2752PB	72" (1829mm)
54L2754PB	61L2754PB	62L2754PB	96" (2438mm)



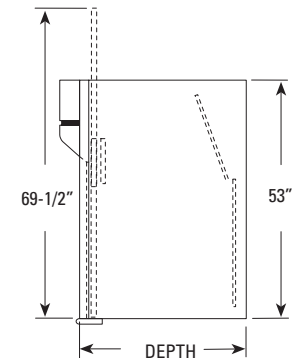
Front View with Unframed Sash



End View with Unframed Sash



Front View with Combination Sash



End View with Combination Sash

### Exhaust Volumes

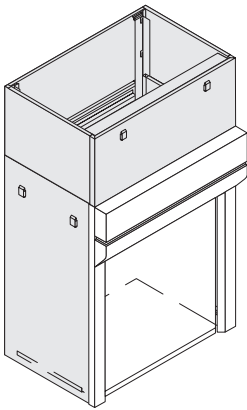
#### Hamilton Concept Fume Hood with Vertical Sash

Hood Width	Exhaust Volume	Vertical Sash Opening Height	Face Velocity	Static Pressure	Exhaust Collar Size
48"	484	18 28.5*	100 60	.09"	6" x 15"
60"	634	18 28.5*	100 60	.09"	6" x 23"
72"	784	18 28.5*	100 60	.13"	6" x 23"
96"	1084	18 28.5*	100 60	.09"	6" x 30"

#### Hamilton Concept Fume Hood with Combination Sash

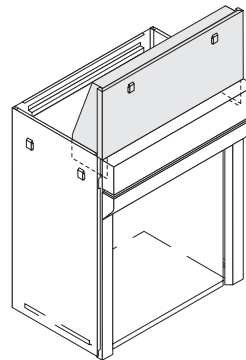
Hood Width	Exhaust Volume	Vertical Sash Height	Sash Opening			Face Velocity		Static Pressure	Exhaust Collar Size
			Horizontal Sash Opening	Sliding Sash Panels		Vertical (Nominal)	Horizontal		
48"	400	18 24*	27 x 17.375	2		80 60	100	.07"	6" x 15"
60"	540	18 24*	27 x 23.375	2		80 60	100	.07"	6" x 23"
72"	650	18 24*	27 x 28.250	4		80 60	100	.11"	6" x 23"
96"	930	18 24*	27 x 40.250	4		80 60	100	.07"	6" x 30"

\*28-1/2" and 24" opening is for set-up only; operating position is an 18" high sash opening.



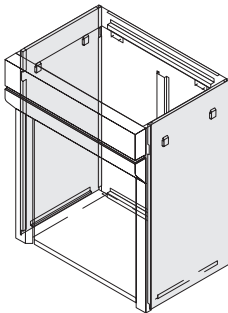
- Enclosure panels for front, both sides and back of fume hood superstructure. Encloses space between top of superstructure and ceiling.
- Made of steel, finished to match hood superstructure.
- Installation hardware included.

### Front Ceiling and Sash Enclosure Panels for Hamilton Concept Fume Hood Only



- Use to enclose space between front top and ceiling of fume hood superstructure, also provides enclosure for raised sash.

### Replacement Side Enclosure Panels

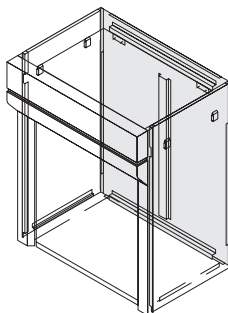


- Use to enclose one or both sides of Concept fume hood superstructure.

Product No.	Hood Depth
54L31530FHEP	31-1/4" (794mm)
54L37530FHEP	37-1/4" (946mm)
54L43530FHEP	43-1/4" (1099mm)

Product No.	Hood Width	Height
54L48170FCSE	48" (1219mm)	17-1/2" (445mm)
54L48200FCSE	48" (1219mm)	20-1/2" (521mm)
54L48280FCSE	48" (1219mm)	28-1/2" (724mm)
54L48320FCSE	48" (1219mm)	32-1/2" (826mm)
54L60170FCSE	60" (1524mm)	17-1/2" (445mm)
54L60200FCSE	60" (1524mm)	20-1/2" (521mm)
54L60280FCSE	60" (1524mm)	28-1/2" (724mm)
54L60320FCSE	60" (1524mm)	32-1/2" (826mm)
54L72170FCSE	72" (1829mm)	17-1/2" (445mm)
54L72200FCSE	72" (1829mm)	20-1/2" (521mm)
54L72280FCSE	72" (1829mm)	28-1/2" (724mm)
54L72320FCSE	72" (1829mm)	32-1/2" (826mm)
54L96170FCSE	96" (2438mm)	17-1/2" (445mm)
54L96200FCSE	96" (2438mm)	20-1/2" (521mm)
54L96280FCSE	96" (2438mm)	28-1/2" (724mm)
54L96320FCSE	96" (2438mm)	32-1/2" (826mm)

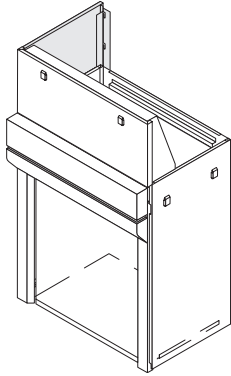
### Lower Back Enclosure Panels



- Use to enclose back of fume hood superstructure.

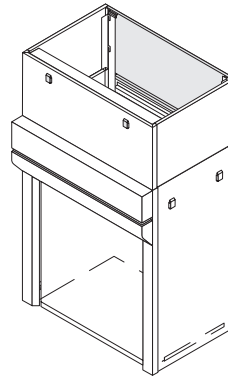
Product No.	Hood Width
54L48530LBEP	48" (1219mm)
54L60530LBEP	60" (1524mm)
54L72530LBEP	72" (1829mm)
54L96530LBEP	96" (2438mm)

### Left Ceiling Enclosure Panels



- Use to enclose space at left side of hood between lower left side panel and ceiling.
- Requires front ceiling and sash enclosure panels.

### Upper Back Ceiling Enclosure Panels

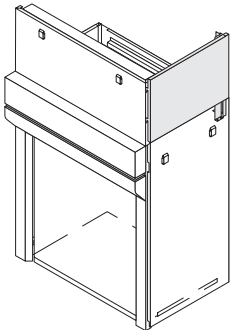


- Use to enclose space between lower back panel and ceiling of fume hood superstructure.
- Requires front ceiling and sash enclosure, left and right ceiling enclosure panels.

Product No.	Hood Depth	Height
54L31170LCEP	31-1/4" (794mm)	17-1/2" (445mm)
54L37170LCEP	37-1/4" (946mm)	17-1/2" (445mm)
54L43170LCEP	43-1/4" (1099mm)	17-1/2" (445mm)
54L31200LCEP	31-1/4" (794mm)	20-1/2" (521mm)
54L37200LCEP	37-1/4" (946mm)	20-1/2" (521mm)
54L43200LCEP	43-1/4" (1099mm)	20-1/2" (521mm)
54L31280LCEP	31-1/4" (794mm)	28-1/2" (724mm)
54L37280LCEP	37-1/4" (946mm)	28-1/2" (724mm)
54L43280LCEP	43-1/4" (1099mm)	28-1/2" (724mm)
54L31320LCEP	31-1/4" (794mm)	32-1/2" (826mm)
54L37320LCEP	37-1/4" (946mm)	32-1/2" (826mm)
54L43320LCEP	43-1/4" (1099mm)	32-1/2" (826mm)

Product No.	Hood Depth	Height
54L48170UBCE	48" (1219mm)	17-1/2" (445mm)
54L48200UBCE	48" (1219mm)	20-1/2" (521mm)
54L48280UBCE	48" (1219mm)	28-1/2" (724mm)
54L48320UBCE	48" (1219mm)	32-1/2" (826mm)
54L60170UBCE	60" (1524mm)	17-1/2" (445mm)
54L60200UBCE	60" (1524mm)	20-1/2" (521mm)
54L60280UBCE	60" (1524mm)	28-1/2" (724mm)
54L60320UBCE	60" (1524mm)	32-1/2" (826mm)
54L72170UBCE	72" (1829mm)	17-1/2" (445mm)
54L72200UBCE	72" (1829mm)	20-1/2" (521mm)
54L72280UBCE	72" (1829mm)	28-1/2" (724mm)
54L72320UBCE	72" (1829mm)	32-1/2" (826mm)
54L96170UBCE	96" (2438mm)	17-1/2" (445mm)
54L96200UBCE	96" (2438mm)	20-1/2" (521mm)
54L96280UBCE	96" (2438mm)	28-1/2" (724mm)
54L96320UBCE	96" (2438mm)	32-1/2" (826mm)

### Right Ceiling Enclosure Panels



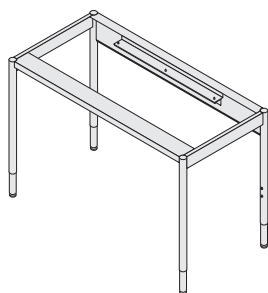
- Use to enclose space at right side of hood between lower right side panel and ceiling.
- Requires front ceiling and sash enclosure panels.

Product No.	Hood Depth	Height
54L31170RCEP	31-1/4" (794mm)	17-1/2" (445mm)
54L37170RCEP	37-1/4" (946mm)	17-1/2" (445mm)
54L43170RCEP	43-1/4" (1099mm)	17-1/2" (445mm)
54L31200RCEP	31-1/4" (794mm)	20-1/2" (521mm)
54L37200RCEP	37-1/4" (946mm)	20-1/2" (521mm)
54L43200RCEP	43-1/4" (1099mm)	20-1/2" (521mm)
54L31280RCEP	31-1/4" (794mm)	28-1/2" (724mm)
54L37280RCEP	37-1/4" (946mm)	28-1/2" (724mm)
54L43280RCEP	43-1/4" (1099mm)	28-1/2" (724mm)
54L31320RCEP	31-1/4" (794mm)	32-1/2" (826mm)
54L37320RCEP	37-1/4" (946mm)	32-1/2" (826mm)
54L43320RCEP	43-1/4" (1099mm)	32-1/2" (826mm)

**Installation Information:** With suspended ceilings, it is suggested that the enclosure assembly extend to the bottom of the ceiling. The hung ceiling should extend over the top of the hood and be trimmed around the mechanical connections to ensure proper room pressure control of the HVAC system.

- Stainless steel or powdercoated steel finish
- Height adjustments are 31", 33", 35" and 37"
- 2" tubular legs with levelers
- Modesty panel is optional, see Accessories section
- For lower cabinets, see Lower Storage section

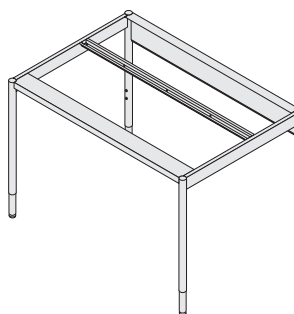
### Four-Post Fume Hood Bench Frames



- Adjustable height table frame for supporting a fume hood
- Depth: 29"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8148	47-3/4" (1213mm)
549H8160	59-3/4" (1518mm)
549H8172	71-3/4" (1822mm)

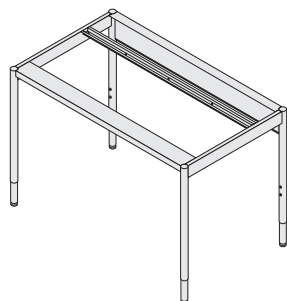
<b>Stainless Steel Frame</b>	
549H8148SS	47-3/4" (1213mm)
549H8160SS	59-3/4" (1518mm)
549H8172SS	71-3/4" (1822mm)



- Adjustable height table frame for supporting a fume hood
- Depth: 41"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8348	47-3/4" (1213mm)
549H8360	59-3/4" (1518mm)
549H8372	71-3/4" (1822mm)

<b>Stainless Steel Frame</b>	
549H8348SS	47-3/4" (1213mm)
549H8360SS	59-3/4" (1518mm)
549H8372SS	71-3/4" (1822mm)



- Adjustable height table frame for supporting a fume hood
- Depth: 35"

Product No.	Width
<b>Painted Steel Frame</b>	
549H8248	47-3/4" (1213mm)
549H8260	59-3/4" (1518mm)
549H8272	71-3/4" (1822mm)

<b>Stainless Steel Frame</b>	
549H8248SS	47-3/4" (1213mm)
549H8260SS	59-3/4" (1518mm)
549H8272SS	71-3/4" (1822mm)

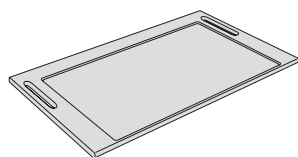
## Common Features:

- Work surfaces for or use with Hamilton Concept fume hood assemblies.
- Black epoxy resin work surface
- Cupsink cutouts sized for product number 34L132 polyolefin cupsinks. Special cutouts must be specified if alternate cupsinks are selected.
- 1-1/4" (32mm) thick.

## Ordering Information:

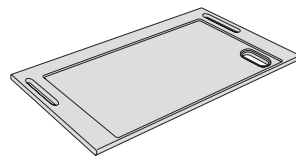
- Cutout only included; cupsinks and other service fixtures must be ordered separately.
- Piping pass-through cutouts are symmetrical

## Epoxy Resin Work Surfaces for Concept Fume Hoods



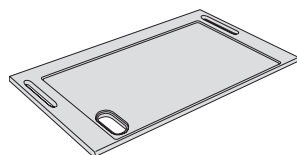
■ Without cupsink cutouts

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
48" (1219mm)	21L4826000	21L4832000	21L4838000
60" (1524mm)	21L6026000	21L6032000	21L6038000
72" (1829mm)	21L7226000	21L7232000	21L7238000
96" (2438mm)	21L9626000	21L9632000	21L9638000



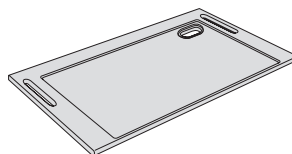
■ With right front cupsink cutout

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
48" (1219mm)	21L48261RF	21L48321RF	21L48381RF
60" (1524mm)	21L60261RF	21L60321RF	21L60381RF
72" (1829mm)	21L72261RF	21L72321RF	21L72381RF
96" (2438mm)	21L96261RF	21L96321RF	21L96381RF



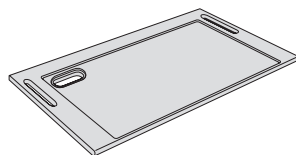
■ With left front cupsink cutout

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
48" (1219mm)	21L48261LF	21L48321LF	21L48381LF
60" (1524mm)	21L60261LF	21L60321LF	21L60381LF
72" (1829mm)	21L72261LF	21L72321LF	21L72381LF
96" (2438mm)	21L96261LF	21L96321LF	21L96381LF



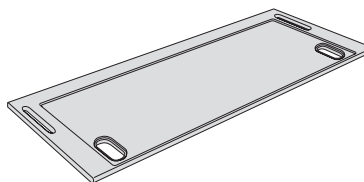
■ With right rear cupsink cutout

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
48" (1219mm)	21L48261RR	21L48321RR	21L48381RR
60" (1524mm)	21L60261RR	21L60321RR	21L60381RR
72" (1829mm)	21L72261RR	21L72321RR	21L72381RR
96" (2438mm)	21L96261RR	21L96321RR	21L96381RR



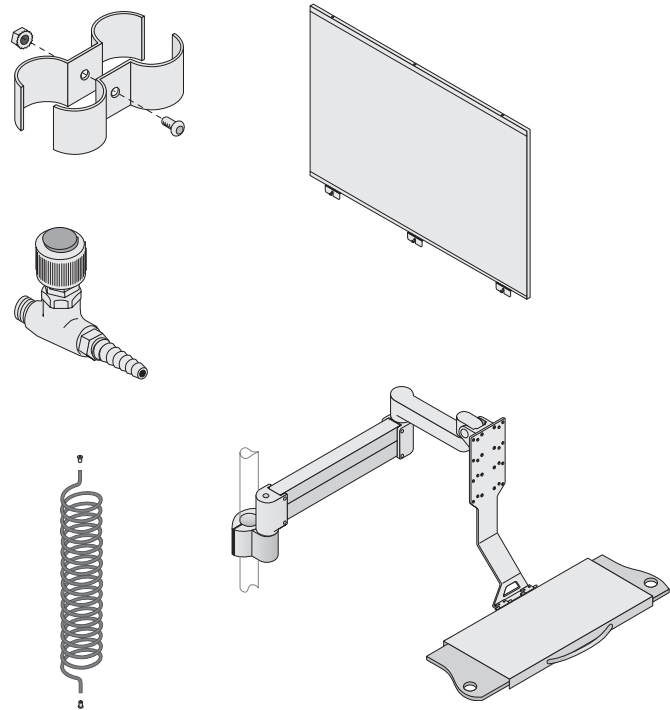
■ With left rear cupsink cutout

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
48" (1219mm)	21L48261LR	21L48321LR	21L48381LR
60" (1524mm)	21L60261LR	21L60321LR	21L60381LR
72" (1829mm)	21L72261LR	21L72321LR	21L72381LR
96" (2438mm)	21L96261LR	21L96321LR	21L96381LR



■ With two front cupsink cutouts

Width	Corresponds to Hamilton Concept Hood Depth		
	31-1/4 (794mm)	37-1/4" (946mm)	43-1/4" (1099mm)
96" (2438mm)	21L96262BF	21L96322BF	21L96382BF



**Service Fixtures** .....p. 76

**Task Lights**.....p. 77

**LCD Arm** .....p. 77

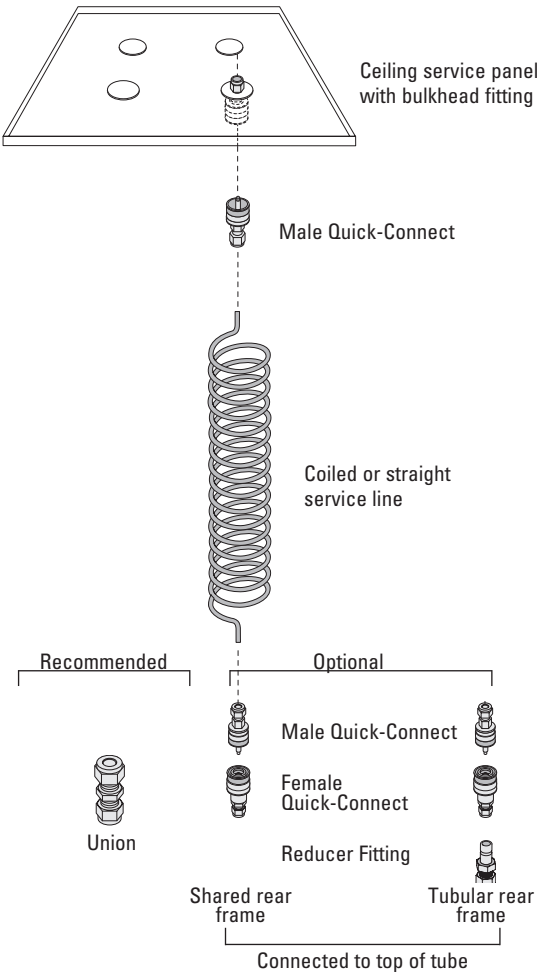
**Back-To-Back Mounting Kit**.....p. 77

**Modesty Panels** .....p. 78

**Bulletin Boards**.....p. 78-80

**Ceiling Service Panels** .....p. 81





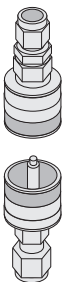
Coiled Service Line Assembly



- Coiled service line
- Milky white 3/8" O.D. nylon tubing
- For use with tubular and shared rear frames
- Brass or stainless steel fitting can be connected to this tubing
- For use with non-burning gas but not vacuum

Product No.	
547H0544	84" (working length)

Quick Disconnect Assemblies



- 3/8" Bulkhead fitting for ceiling panel
- Includes nipple and coupler – each have a color-keyed band

Product No.	Band Color	
For Tubular Rear Frame and Shared Rear Frame		
547H0513	Black – He	Nickel Plated Brass
547H0514	Orange – Air	Nickel Plated Brass
547H0516	Yellow – Vac	Nickel Plated Brass
547H0517	Blue – Gas	Nickel Plated Brass
547H0519	Violet – Ar	Nickel Plated Brass
547H0520	Brown – N <sub>2</sub>	Nickel Plated Brass
547H0553	White – Burning Gas	Stainless Steel
	UL Listed	

**Note:** The blue band can be used with multiple gases. Consult factory for user defined gases.

- 3/8" Quick disconnect fitting for tube ends
- Includes nipple and coupler for rear frame – each have a color-keyed band

Product No.	Band Color	
For Tubular Rear Frame and Shared Rear Frame		
547H0505	Black – He	Nickel Plated Brass
547H0506	Orange – Air	Nickel Plated Brass
547H0508	Yellow – Vac	Nickel Plated Brass
547H0509	Blue – Gas	Nickel Plated Brass
547H0511	Violet – Ar	Nickel Plated Brass
547H0512	Brown – N <sub>2</sub>	Nickel Plated Brass
547H0552	White – Burning Gas	Stainless Steel
	UL Listed	

Straight Service Line Assembly



- Milky white 3/8" O.D. polyethylene tubing
- For use with non-burning gases and vacuum
- For use with tubular and shared rear frames
- Brass or stainless steel fitting can be connected to this tubing

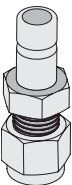
Product No.	Length
547H0542	60" (1524mm)



- Braided stainless steel with 3/8" O.D. tube stubs
- For use with natural gas
- For use with tubular and shared rear frames
- Only to be used with stainless steel fittings

Product No.	Length
547H0523	48" (1219mm)

Reducer Fitting – 3/8" to 1/4"



- Connecting quick disconnect to service line on tubular rear frame

Product No.	
547H0549	Nickel Plated Brass
547H0549SS	316 Stainless Steel

### Union, Tube-to-Tube for Tubular and Shared Rear Frames

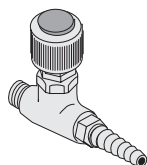


- For connecting the internal tubing to straight or coiled lines

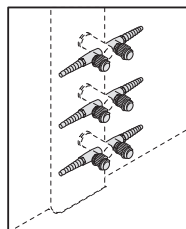
Product No.	(Shared Frames)
547H0526	(3/8" to 3/8") Brass
547H0526SS	(3/8" to 3/8") Stainless Steel

Product No.	(Tubular Frames)
547H0540	(1/4" to 3/8") Brass
547H0540SS	(1/4" to 3/8") Stainless Steel

### Service Fixture

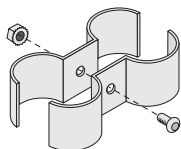


- Service fixture connects to fitting in tubular upright
- Includes a color-keyed index button on handle
- For natural gas applications on the shared rear frame, it is recommended that the tubing, elbow and top fixture stem location be stainless steel. Contact the factory for assistance.



Product No.	Service	Color
549H0234	White – Burning Gas	Chrome Plated Brass
549H0236	Brown – N <sub>2</sub>	Chrome Plated Brass
549H0237	Orange – Air	Chrome Plated Brass
549H0238	Yellow – Vac	Chrome Plated Brass
549H0239	Blue – Gas	Chrome Plated Brass
549H0252	Black – He	Chrome Plated Brass
549H0253	Violet – Ar	Chrome Plated Brass

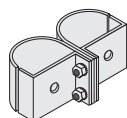
### Back-To-Back Mounting Kit



- Use to secure two tubular rear frame assemblies back-to-back – two kits are required for each frame assembly
- Powdercoated steel or stainless steel
- The 5/16" diameter hardware for connecting top of tubular frames is user supplied.
- Hardware included with instructions

Product No.	Material
549H0201	Powdercoated Steel
549H0201SS	Stainless Steel

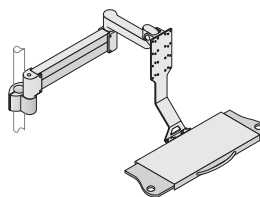
### Side-To-Side Mounting Kit



- Use to secure two tubular rear frame assemblies side-to-side – one kit is required for each pair of frames
- Powdercoated steel or stainless steel
- Hardware included

Product No.	Material
Front post-side to side bracket	
549H0248	Powdercoated Steel
549H0248SS	Stainless Steel
Back post-side to side bracket	
549H0249	Powdercoated Steel
549H0249SS	Stainless Steel

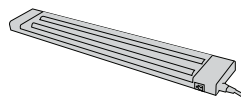
### LCD Arm



- Fully adjustable arm and keyboard holder with right or left slide-out mouse pad platform
- Bracket attaches to rear frame upright
- Black finish

Product No.
549H0247

### Task Lights



- Black fixture housing
- 2 each T5 4200k Tubes
- UL Listed, includes diffuser
- Gangable up to 10 units maximum with optional jumper cable
- 100 fc at 18" from light to worktop in complete darkness
- 40 fc at 30" from light to worktop in complete darkness
- Stick-on wire management kits with each fixture
- Mechanical screws are included

Product No.	Length
548H1708BK	16" (406mm)
548H1709BK	25" (635mm)
548H1710BK	38" (966mm)
548H1711BK	50" (1270mm)

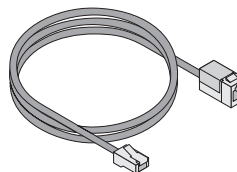
### Starter Lead (black)

Product No.	Length
548H1716BK	30" (762mm)

### Jumper Cable (black)

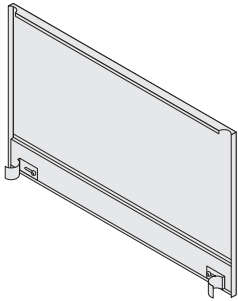
Product No.	Length
548H1714BK	15" (381mm)
548H1715BK	30" (762mm)

### Data Cable Assemblies for Shared Rear Frames



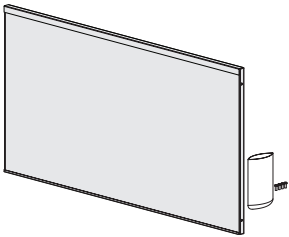
- Use to connect telephone and data outlets
- Order 4 CAT6 cables
- Cables are equipped with one male plug end (ceiling service panel) and one female plug end (rear leg outlet)
- Cables will extend from the outlets in the frame upright, up inside the upright, across the top horizontal support and four-feet above the top of the upright
- Order separately for field installation

Product No.	Length
CAT6 Cables for data or phone	
547H0532	42" (1065mm)
547H0533	48" (1219mm)
547H0534	60" (1524mm)
547H0535	72" (1827mm)
547H0536	96" (2437mm)

**Modesty Panel for Tubular Rear Frame Assembly**

- Mounts to tubular rear frame assembly below counter top
- Powdercoated steel or stainless steel
- Height is 19" (483mm)
- Hardware included

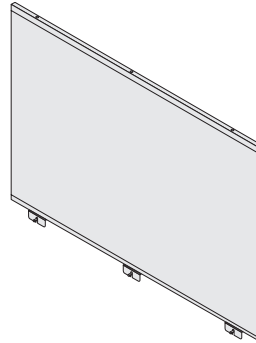
Product No.	Width
<b>Powdercoated Steel</b>	
549H7342	42" (1065mm)
549H7348	48" (1219mm)
549H7360	60" (1524mm)
549H7372	72" (1827mm)
549H7396	96" (2437mm)
<b>Stainless Steel</b>	
549H7342SS	42" (1065mm)
549H7348SS	48" (1219mm)
549H7360SS	60" (1524mm)
549H7372SS	72" (1827mm)
549H7396SS	96" (2437mm)

**Modesty Panel for Shared Rear Frame Assembly**

- Mounts to shared rear frame assembly below counter top (side mounts to vertical frame)
- Powdercoated steel or stainless steel
- Height is 19" (483mm)
- Hardware included

Product No.	Width
<b>Powdercoated Steel</b>	
547H0442	37-5/8" (957mm)
547H0448	43-5/8" (1110mm)
547H0460	55-5/8" (1414mm)
547H0472	67-5/8" (1719mm)
547H0496	91-5/8" (2329mm)
<b>Stainless Steel</b>	
547H0442SS	37-5/8" (957mm)
547H0448SS	43-5/8" (1110mm)
547H0460SS	55-5/8" (1414mm)
547H0472SS	67-5/8" (1719mm)
547H0496SS	91-5/8" (2329mm)

- Bulletin boards are dyed linoleum material framed in either powdercoated painted or stainless steel.
- Specify one of the following color options:
  - BC2 Champagne
  - BC27 Slate Grey
  - BC16 Graphite

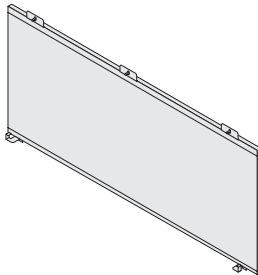
**Bulletin Board Assemblies for Tubular Rear Frame Assemblies**

- Mounts to rear frame above electrical raceway
- Powdercoated or stainless steel frame
- Height is 28-1/4" (718mm)
- Hardware included

Product No.	Width
<b>Powdercoated Steel Frame</b>	
549H8642	42" (1065mm)
549H8648	48" (1219mm)
549H8660	60" (1524mm)
549H8672	72" (1827mm)
549H8696	96" (2437mm)
<b>Stainless Steel Frame</b>	
549H8642SS	42" (1065mm)
549H8648SS	48" (1219mm)
549H8660SS	60" (1524mm)
549H8672SS	72" (1827mm)
549H8696SS	96" (2437mm)

- Bulletin boards are a dyed linoleum material framed in either powdercoated painted steel or stainless steel.
- Specify one of the following color options:
  - BC2 Champagne
  - BC27 Slate Grey
  - BC16 Graphite

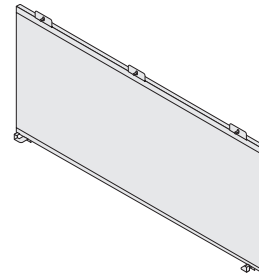
### Bulletin Board Assemblies for Tubular Rear Frame Assemblies (Continued)



- Mounts to rear frame below electrical raceway
- Accommodates 3/4" to 1" work surfaces
- Powdercoated steel frame
- Four height dimensions
- Hardware included

Product No.	Width
<b>Powdercoated Steel Frame</b>	
16" (405mm) Height, 37" above finished floor	
549H7542	42" (1065mm)
549H7548	48" (1219mm)
549H7560	60" (1524mm)
549H7572	72" (1827mm)
549H7596	96" (2437mm)
18" (456mm) Height, 35" above finished floor	
549H7642	42" (1065mm)
549H7648	48" (1219mm)
549H7660	60" (1524mm)
549H7672	72" (1827mm)
549H7696	96" (2437mm)
20" (506mm) Height, 33" above finished floor	
549H7742	42" (1065mm)
549H7748	48" (1219mm)
549H7760	60" (1524mm)
549H7772	72" (1827mm)
549H7796	96" (2437mm)
22" (557mm) Height, 31" above finished floor	
549H7842	42" (1065mm)
549H7848	48" (1219mm)
549H7860	60" (1524mm)
549H7872	72" (1827mm)
549H7896	96" (2437mm)

### Bulletin Board Assemblies for Tubular Rear Frame Assemblies (Continued)

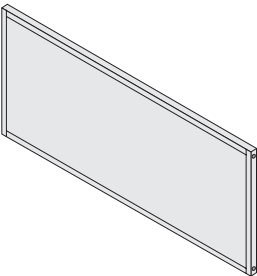


- Mounts to rear frame below electrical raceway
- Accommodates 3/4" to 1" work surfaces
- Stainless steel frame
- Four height dimensions
- Hardware included

Product No.	Width
<b>Stainless Steel Frame</b>	
16" (405mm) Height, 37" above finished floor	
549H7542SS	42" (1065mm)
549H7548SS	48" (1219mm)
549H7560SS	60" (1524mm)
549H7572SS	72" (1827mm)
549H7596SS	96" (2437mm)
18" (456mm) Height, 35" above finished floor	
549H7642SS	42" (1065mm)
549H7648SS	48" (1219mm)
549H7660SS	60" (1524mm)
549H7672SS	72" (1827mm)
549H7696SS	96" (2437mm)
20" (506mm) Height, 33" above finished floor	
549H7742SS	42" (1065mm)
549H7748SS	48" (1219mm)
549H7760SS	60" (1524mm)
549H7772SS	72" (1827mm)
549H7796SS	96" (2437mm)
22" (557mm) Height, 31" above finished floor	
549H7842SS	42" (1065mm)
549H7848SS	48" (1219mm)
549H7860SS	60" (1524mm)
549H7872SS	72" (1827mm)
549H7896SS	96" (2437mm)

- Bulletin boards are a dyed linoleum material framed in either powdercoated painted steel or stainless steel.
- Specify one of the following color options:
  - BC2 Champagne
  - BC27 Slate Grey
  - BC16 Graphite

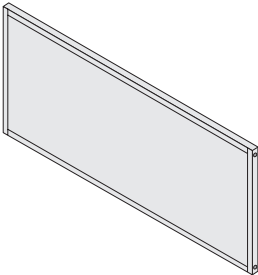
Powdercoated Steel Frame Bulletin Board Assemblies for Shared Rear Frame Assemblies



- Mounts between shared rear frame uprights
- Powdercoated steel frame
- Available in three heights
- Hardware included

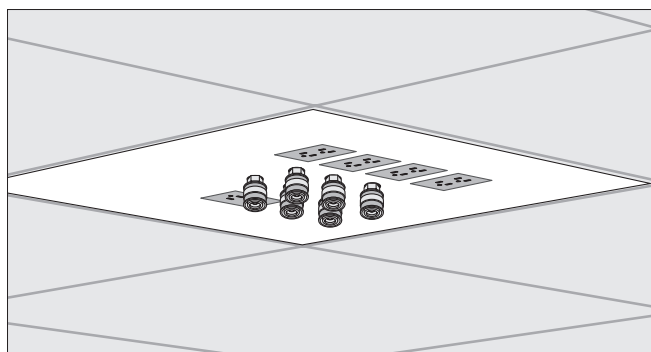
Product No.	Width
Powdercoated Steel Frame	
14-7/8" High	
547H1642	37-5/8" (857mm)
547H1648	43-5/8" (1109mm)
547H1660	55-5/8" (1414mm)
547H1672	67-5/8" (1719mm)
547H1696	91-5/8" (2328mm)
16-7/8" High	
547H1742	37-5/8" (857mm)
547H1748	43-5/8" (1109mm)
547H1760	55-5/8" (1414mm)
547H1772	67-5/8" (1719mm)
547H1796	91-5/8" (2328mm)
18-7/8" High	
547H1842	37-5/8" (857mm)
547H1848	43-5/8" (1109mm)
547H1860	55-5/8" (1414mm)
547H1872	67-5/8" (1719mm)
547H1896	91-5/8" (2328mm)
20-7/8" High	
547H1942	37-5/8" (857mm)
547H1948	43-5/8" (1109mm)
547H1960	55-5/8" (1414mm)
547H1972	67-5/8" (1719mm)
547H1996	91-5/8" (2328mm)

Stainless Steel Frame Bulletin Board Assemblies for Shared Rear Frame Assemblies



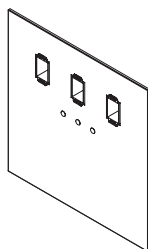
- Mounts between shared rear frame uprights
- Stainless steel frame
- Available in three heights
- Hardware included

Product No.	Width
Stainless Steel Frame	
14-7/8" High	
547H1642SS	37-5/8" (857mm)
547H1648SS	43-5/8" (1109mm)
547H1660SS	55-5/8" (1414mm)
547H1672SS	67-5/8" (1719mm)
547H1696SS	91-5/8" (2328mm)
16-7/8" High	
547H1742SS	37-5/8" (857mm)
547H1748SS	43-5/8" (1109mm)
547H1760SS	55-5/8" (1414mm)
547H1772SS	67-5/8" (1719mm)
547H1796SS	91-5/8" (2328mm)
18-7/8" High	
547H1842SS	37-5/8" (857mm)
547H1848SS	43-5/8" (1109mm)
547H1860SS	55-5/8" (1414mm)
547H1872SS	67-5/8" (1719mm)
547H1896SS	91-5/8" (2328mm)
20-7/8" High	
547H1942SS	37-5/8" (857mm)
547H1948SS	43-5/8" (1109mm)
547H1960SS	55-5/8" (1414mm)
547H1972SS	67-5/8" (1719mm)
547H1996SS	91-5/8" (2328mm)



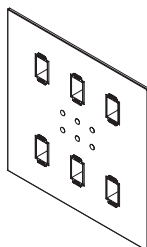
Ceiling panel typical view from below

### Ceiling Service Panels for Shared Rear Frame Assemblies



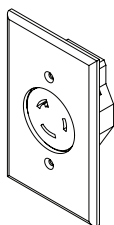
- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- Three electrical junction boxes and three service access holes
- Order service fixtures separately
- Color per order

**Product No.**  
547H0545



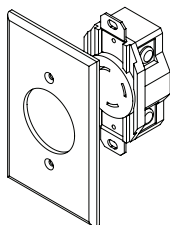
- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- Six electrical junction boxes and six service access holes
- Order service fixtures separately
- Color per order

**Product No.**  
547H0546



- Three prong outlet
- Twist lock 125V outlet assembly
- To be used with tubular rear frame assemblies

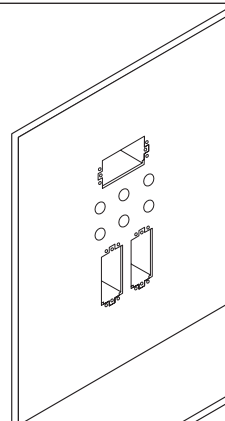
**Product No.**  
549H0246



- Four prong outlet
- Twist lock NEMA L14-20 outlet assembly
- To be used with shared rear frame assemblies

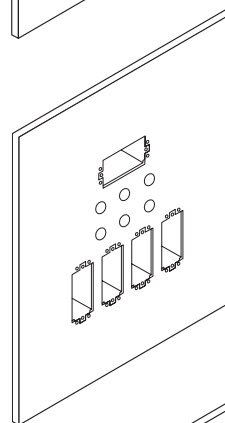
**Product No.**  
547H0547

### Ceiling Service Panels for Tubular Rear Frame Assemblies



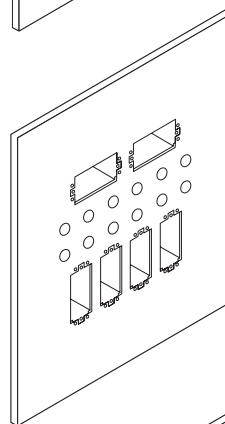
- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- For two-table, one-circuit arrangement
- Order service fixtures separately
- Color per order

**Product No.**  
549H0241



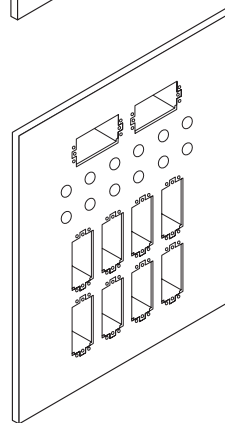
- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- For two-table, two-circuit arrangement
- Order service fixtures separately
- Color per order

**Product No.**  
549H0242



- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- For four-table, one-circuit arrangement
- Order service fixtures separately
- Color per order

**Product No.**  
549H0243



- Use when services from ceiling area are desired
- 24" x 24" panel replaces standard size ceiling panel
- For four-table, two-circuit arrangement
- Order service fixtures separately
- Color per order

**Product No.**  
549H0244

# Movable Bench Laboratory Furniture System – Specifications

## PART 1 GENERAL

### 1.00 SUMMARY

- A. Section Includes:
  - 1. Tables
  - 2. Support structures
  - 3. Shelves
  - 4. Mobile base cabinets
  - 5. Ceiling manifold system
- B. Related sections:
  - 1. Section 11610 - Laboratory Fume Hoods are a part of the work of this section.
  - 2. Section \_\_\_\_\_ - \_\_\_\_\_ : Furnishing and installation of plumbing utilities and final connections.
  - 3. Section \_\_\_\_\_ - \_\_\_\_\_ : Furnishing and installation of exhaust ductwork and equipment, and final connection to fume hood(s).
  - 4. Section \_\_\_\_\_ - \_\_\_\_\_ : Furnishing and installation of electrical utilities and final connections.

### 1.01 ALTERNATE PROPOSALS

Proposals are invited from alternate manufacturers only if they comply with the minimum design requirements and the minimum performance requirements set forth by SEFA and UL 962 standards. A notarized letter stating full compliance must be included in alternate proposals signed by an independent testing laboratory recognized by ASTM E 548 to ensure compliance.

A copy of UL (Underwriters Laboratories) certification must be submitted with any alternate proposal noting full compliance to UL 962 testing and approvals.

### 1.02 SYSTEM DESIGN REQUIREMENTS

- A. Modular dimensioned system of tubular frame style support structures, tables and cantilevered storage units.
- B. Tubular Frames: Support structure for tables, shelves and service chase for all service lines, data and electrical cables.
  - 1. Modular units shall be suitable for wall, peninsula or island configurations.
  - 2. Rear frame can be supported with structural tables or anchored to the wall structure.
  - 3. Equipped with easy to remove work surface frame. Work surface frame can accommodate "Add-A-Leg" members to function as a free standing structural table.
  - 4. Moveable bench system shall be pre-wired and pre-plumbed, equipped with cabling plug-ins and service line quick connects.
- C. Tables Frames: Modular, interchangeable work surface support structures in both frame attached and free standing adjustable height configurations.
  - 1. Adjustable height tables incorporate fixed mechanical adjustment.

- 2. Levelers are included on both free standing and adjustable height work surface frames.

#### D. System requirements:

- 1. The system shall consist of a welded framework with slotted uprights to support work surfaces and overhead shelving components and integrate with mobile undercounter cabinets.
- 2. Structural components are self-supporting and independent of the building structure.
- 3. Tubular frame structures support service fixtures, electrical/data outlets and supply lines utilizing the frame system as a utility chase.
- 4. The vertical height of table work surfaces and shelves can be adjusted from sitting to standing height in 2" increments.
- 5. All services (plumbing, power, phone and data) terminate at the top of the vertical support.
- 6. All support frames shall bolt together or to the wall at the top horizontal rail.
- 7. The bench system shall ship complete with minimal final assembly. Assembly shall be accomplished with simple hand tools.

### 1.03 SUBMITTALS

Include number of each type of submittal required if this information is not covered in Division 1 or elsewhere.

- A. Shop Drawings: Provide 3/4"=1'-0" scale elevations of all components, cross sections, rough-in and anchor placements, tolerances and clearances. Provide 1/4"= 1'-0" rough-in plan drawings for coordination with trades. Rough-in shall show free area.

### 1.04 QUALITY ASSURANCE

- A. Single source responsibility: Laboratory furniture system, casework, work surfaces, laboratory equipment, chemical fume hoods and accessories shall be manufactured or furnished by a single laboratory furniture manufacturer.
- B. Manufacturer's qualifications: Modern plant with proper tools, dies, fixtures and skilled workmen to produced high quality laboratory casework and equipment, and shall meet the following minimum requirements:
  - 1. Five years or more experience in manufacture of laboratory casework and equipment of similar product type specified.
- C. Laboratory furniture systems and systems components must be UL 962 submitted, approved and listed. Products must bear the UL Mark and shall be identified to those products that were evaluated by UL and found to comply with UL's requirements. The testing standard shall include Dielectric, Grounding Impedance, Stability, Strain Relief and Strength tests.



## 1.05 REFERENCE STANDARDS

- A. All casework, worksurface and service fixture construction and performance characteristics shall be in full compliance with SEFA (Scientific Equipment and Furniture Association) standards. At the owner's request, independent, third part testing must be submitted validating compliance and adheres to the architectural specifications:
  - 1. SEFA 1.2 - Laboratory Fume Hoods
  - 2. SEFA 2.3 - Installation of Scientific Laboratory Furniture and Equipment.
  - 3. SEFA 3 - Work Surfaces
  - 4. SEFA 7 - Laboratory and Hospital Fixtures
  - 5. SEFA 8 - Laboratory Furniture

## 1.06 DELIVERY, STORAGE AND HANDLING

- A. Schedule delivery of laboratory furniture system so that spaces are sufficiently complete that material can be installed immediately following delivery.
- B. Protect finished surfaces from soiling or damage during handling and installation.

## 1.07 PROJECT CONDITIONS

- A. Do not deliver or install equipment until the following conditions have been met:
  - 1. Windows and doors are installed and the building is secure and weather tight.
  - 2. Ceiling, overhead ductwork and lighting are installed.
  - 3. All painting is completed and floor tile is installed.

## PART 2 PRODUCTS

### 2.01 MANUFACTURER

- A. Design, materials, construction and finish of laboratory furniture specified is the minimum acceptable standard of quality for flexible laboratory casework. The basis of this specification is Hamilton Scientific, 1716 Lawerence Drive STE 1, De Pere, WI 54115.

### 2.02 WORKSURFACE TABLES FRAMES

- A. General requirements for table frames:
  - 1. Work surface support frame: 2" outside diameter wall and 1.75" inner telescoping leg 11 gauge cold rolled and/or #304 stainless steel tubing. ASTM A513 type 1, 1010-1018 tubing. Levelers are 3/8" - 16 nc X 2.5" long.
    - a. Finish: Chemical resistant urethane powder paint or #4 on the #304 stainless steel.
  - 2. Work surface support frame (Specifier's Option): 2" outside diameter wall and 1.75" inner telescoping leg 11 gauge stainless steel tubing. ASTM A554 type 304 stainless - polished to #4 finish or 180 grit. Levelers are 3/8" - 16 nc X 2.5" long.

### B. Worksurface Table Frame:

- 1. Nominal table frame dimensions:
  - a. Width: 42", 48", 60", 72", 96"
  - b. Depth: 30", 27" projecting in front of the uprights and 1" behind the upright)
  - c. Adjustable Height: 30" to 37" AFF including .75" thick top
- 2. Front upright member is 2" outside diameter, 11 ga. wall tubing with telescoping 11 ga. inner leg. The upright is capable of vertical adjustment in two-inch increments.
- 3. Worksurface frames 11 ga. formed steel. Rear corners shall have 2.25" diameter X 6" high 11 ga. collar. The front half of the collar shall be welded to the worksurface frame with supporting gussets and the back half mechanically fastened to the rear uprights with socket head button cap and bolt.
- 4. A back stop angle, with full length bumper, shall be located under the worksurface frame to position the 24" deep mobile base cabinet 1" behind the front edge of the worksurface.

### C. Four Leg Adjustable-Height Add-A-Leg Table

- 1. Nominal table frame dimensions:
  - a. Width: 42", 48", 60", 72", 96"
  - b. Depth: 30" (27" projecting in front of the uprights and 1" behind the upright)
  - c. Adjustable Height: 30 to 37" AFF including .75" thick top
- 2. Worksurface table frame shall be able to detach from the rear frame and form a four-leg adjustable height table with the addition of two Add-A-Legs.
- 3. Add-A-Leg member and front upright member are 2" outside diameter 11 ga. wall tubing with telescoping 11 ga. inner leg. Capable of vertical adjustment in two inch increments.
- 4. Worksurface frames 11 ga. formed steel.

### 2.03 REAR FRAME SUPPORT STRUCTURE

- A. General requirements for rear frame support structures:
  - 1. Vertical uprights shall allow for plumbing, electrical and data cabling
  - 2. Uprights supports shall be 11 ga. tubular steel 2" outside diameter. Gas piping and high/low voltage cabling shall be separated in opposite and separate vertical members.
  - 3. Shared rear frame upright shall be 11 ga. cold-rolled steel formed to a 2" X 6" structural support with a full-height removal side cover. Gas piping shall be in the opposite and separate vertical upright from cabling. Cabled vertical upright shall have two channels to separate low voltage from high voltage cabling.



## Movable Bench Laboratory Furniture System – Specifications

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4. Levelers are 3/8" - 16 nc X 2.5" long. (1 leveler per single frame upright, 2 levelers per shared frame upright.)
5. Uprights have slots punched on 1" increments starting at nominal 55" above the floor to the top of the upright.
6. Upper and lower horizontal cross rails shall be 11 ga. steel for single frames and 14 ga. for shared frames.
7. Lower structural cross rail for the single frame shall house an integral two-channel raceway. Structural cross rails for the shared frames shall incorporate an enclosed raceway with removable bottom cover for electrical wiring and 20 amp duplex outlets.
8. Raceways for single frames to have 2 -20 amp hospital grade duplexes on 4' and 5' units, 3 - 20 amp hospital grade duplexes on 6' and 8' wide units and an optional 20 amp duplex located in the vertical upright under the worksurface.
9. Raceways for shared frames to have 2 per side - 20 amp hospital grade duplexes on the horizontal raceway on 42", 48" wide frames and 3 per side on 60", 72" and 96".
10. Two separate (separate circuits) shall be located in the side vertical upright under the worksurface.
11. Single frame assemblies having cabled vertical upright shall have one CAT 6 phone and CAT 6 data cable connecting to two separate 2-port receptacle frames. 2-port receptacle frame shall house separate ANSI/TIA/EIA-568-b data and voice compliant female component.

Shared frame assemblies do not include CAT 6 cables.

2-port receptacle is located in the horizontal raceway of the single frame. 2-port receptacles are located in the upright of the shared frame.

### B. Rear Frame:

1. Nominal dimensions:
  - a. Width: 42", 48", 60", 72", 96"
  - b. Height: 84"

### C. Wall Frame - General requirements for wall frame support structures:

1. Wall frames shall have the same general requirements as the rear frame in performance and construction.
2. Wall frames can be created by removing the work surface table frame and mounting the existing rear frame directly to the wall structure by mechanically fastening the top horizontal support rail.
3. Wall frames shall be orderable as a separate entity as part of the standard product offering.

### D. Wall Frame:

1. Nominal dimensions:
  - a. Width: 42", 48", 60", 72", 96"
  - b. Height: 84"

### E. Wall Standards:

1. Wall standard shall mount directly to interior wall when wall-mounted shelves are required.
2. Wall standards shall have the same general requirements, profile and performance requirements as the frame assemblies.
3. Two wall standards are required for each shelf assembly.

## 2.04 PLUMBING/FIXTURES

### A. General requirements:

1. The upright frame structure shall house a maximum of three plumbing services.
2. Needle Valves – chromed brass straight pattern instrumentation needle with serrated hose end.
3. Plumbing lines – Single frame (1/4" OD wall) copper tubing with quick disconnect attached to the tube with compression fittings at the top of the upright. Each half of the quick disconnect (coupler and nipple) are valved.
4. Plumbing lines – Shared frame (3/8" OD wall) polyethylene tubing with tube-to-tube union attached to the tube with compression fittings at the top of the upright.
5. Plumbing lines with the quick disconnects are to be arranged so services cannot be intermixed.
6. All service valves and quick connects shall be media keyed and color coded. Keyed media connects cannot be accidentally switched.
7. All burning gases tubing (1/4" and 3/8") shall be specified as #316 stainless steel.

## 2.05 SERVICE CONNECTIONS

### A. General requirements:

1. All services (plumbing, power, phone and data) terminate at the top of the plumbing upright.
2. Power services will have a 20 amp cord plug extending 4' above the top of the upright. Plug end to be twist lock on single frame and shared frame.
3. Phone CAT6 line will have a male plug-in extending 4' above the upright. (Connections to the facility to be provided by others.)
4. Data CAT6 line will have a male plug-in extending 4' above the upright. (Connections to the facility to be provided by others.)

### 2.06 CEILING MANIFOLD SYSTEM

1. General requirements - Ceiling utility panel shall integrate within most standard-duty T-grid acoustical suspended ceiling systems.
2. Utility panel shall provide a means to mount and connect electrical outlets, data outlets and quick connect service fixtures.
3. Utility panels shall accommodate single sided and back-to-back bench configurations.
4. Utility panels will ship with junction boxes factory attached. Electrical outlets, data outlets, cover plates and service fixtures shall be ordered separately and field installed.
5. Utility panel shall be a minimum 18 gauge cold rolled steel with a urethane powdercoat finish.
6. Nominal Dimensions:
  - a. Widths: 24" x 24"
  - b. Height (including junction boxes): 3"
7. Ceiling service panel system shall be equipped with quick disconnect fitting for service tube ends. Each keyed disconnect shall include nipple and coupler with color-keyed band marking media.
8. Service lines: polyurethane and/or for non-burning gases and braided stainless steel for burning gases will attach to quick-connects and/or tube-to-tube unions from the ceiling utility panel and the rear frame disconnects.

### 2.07 SHELVES

#### A. General requirements for shelves:

1. All shelf supports shall be available in #304 stainless steel (#4 finish) or powdercoated cold rolled steel.
2. Shelf platforms shall be available in glass, steel, phenolic resin or plastic laminate with 3mm wood edge banding.
3. Shelves shall overhang 2" behind the face of the vertical tubular support.
4. Shelf brackets: 11 gauge stainless steel or cold rolled powdercoated steel.
5. Vertical shelf adjustment: one-inch increments.
6. All shelves shall incorporate a reversible shelf retainer lip that is capable of being positioned in the raised or flush position. Shelf lips can be repositioned with the use of simple hand tools.
7. Shelves can be mounted to wall frames, wall standards or rear frames.
8. Load capacity for shelving is 100 lbs.

#### B. Outside Shelf:

1. Nominal dimensions:
  - a. Widths: 29", 35", 46", 47"
  - b. Depth: 12", 15"

2. Shelf brackets shall rise above the shelf surface to provide sides.

#### C. Shelf Types (Specifier Option):

1. Laminated safety glass shelf with steel (stainless or cold rolled) frame:
  - a. Frame to be made up of 11 ga. steel and 3/4" square 11 ga. tubing.
  - b. Glass to be .50" laminated.
2. Phenolic resin shelf with steel (stainless or cold rolled) frame:
  - a. Phenolic resin shelf to be 3/4" thick.
3. Wood shelf with steel (stainless or cold rolled) frame:
  - a. Wood laminated shelf to be 1" thick with 3mm hardwood banding.
4. Steel painted or stainless steel:
  - a. Steel painted and stainless steel shelf to be 3/4" thick.

#### D. Shelf Retainer Options (Specifier's Option):

1. Cold rolled powdercoated steel or #304 stainless steel shelf options:
  - a. Lower and middle shelves shall have a removable 18 ga. steel back rail which acts as a back stop and can be turned upside down to provide a flush work surface when units are back-to-back.
  - b. Upper shelf to have a removable 18 ga. steel back rail.
  - c. Optional front .375" diameter retaining rod shall be 1.25" above the shelf.

#### 2. Wood shelf options:

- a. Lower and middle shelves shall have a removable/reversible rear 1" solid hardwood lip which can act as a stop and can turn upside down to provide a flush surface when units are back-to-back.
- b. Upper shelf shall have a removable 1" high solid hardware lip.
- c. Front .375" diameter retaining rod shall be 1.25" above the shelf.

### 2.08 WORK SURFACES AND SPLASH GUARDS

#### A. General requirements for work surfaces

1. All work surface table frames supports and backsplash support hardware shall be available in #304 stainless steel (#4 finish) or powdercoated cold rolled steel.
2. Work surfaces shall be available in glass, phenolic resin or wood.
3. Work surfaces shall be corner notched to the tube profile and hang 1" behind the face of the vertical tubular support.
4. Load capacity: the work surface load capacity is 600 lbs.

## Movable Bench Laboratory Furniture System – Specifications

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- B. Work surfaces:
  - 1. Nominal dimensions:
    - a. Widths: 42", 48", 60", 72", 96"
    - b. Depth: 30"
- C. Work surface Types - Material Options (Specifier Option):
  - 1. Laminated safety glass – .50" thick with 3/4" X 3/4" 11-gauge 4-sided steel frame
  - 2. Phenolic resin – 1", .75" thick
  - 3. Epoxy resin – 1", .75" thick
- D. Side and Back Splashes:
  - 1. Nominal dimensions:
    - a. Heights: 1 7/8", 3 7/8", 5 7/8", 12 7/8"
- E. Side and Back Splashes Types - Material Options (Specifier Option):
  - 1. Laminated safety glass – .50" thick
  - 2. Phenolic resin – .50" thick
  - 3. Epoxy resin – .50" thick (finished both sides)

### 2.09 MOBILE BASE CABINETS

- A. Design requirements, performance requirements, materials, fabrication and hardware shall comply in all respects with fixed wood and/or steel case work specifications as manufactured and cataloged. The basis of this product specification is Thermo Fisher Scientific, 1316 18th Street, Two Rivers, WI 54241.
- B. Cabinets with casters shall be constructed without toe spaces. The cabinet shall be constructed with a reinforced base capable of supporting a 4" high caster assembly in each corner. Casters shall be swivel locking type and rated for minimum 250 pounds load each. Cabinets with casters shall be completely finished on four sides and top since surfaces are considered visible.
- C. The entire cabinet assembly shall be reinforced to permit mobility without twisting and achieve an industry standard height of 31" or 37" including the flush 1" counter top.
- D. Base cabinets shall, except as noted, incorporate a flush overlay design in which the cabinet body is completely concealed.
- E. The mobile base unit shall incorporate a 6" high "Add-A-Drawer" furniture design to allow the casework to be used in both standing height and sitting height configuration and shall be constructed as follows:
  - 1. Base cabinet shall be nominally 29" high.
  - 2. A 6" high, fully enclosed drawer box made to the same widths as the cabinet below shall sit on top of each base cabinet to create a standing height cabinet. The drawer box frame shall be 3/4" thick on all four sides.

- 3. The drawer box frame shall be aligned with two mechanical pins or fasteners that engage the cabinet's top rail through pre-drilled holes with metal inserts. In addition, a cam lock mechanism shall be located at the rear of the base cabinet to lock the add-a-drawer unit to the cabinet.
- F. Units with drawers must be equipped with an anti-tipping mechanism that shall include an interlock so that only one drawer in a vertical stack can be opened at one time.

### 2.10 FINISHES

- A. Metal finish:
  - 1. Preparation: Spray clean metal with a heated cleaner/phosphate solution, pre-treat with iron phosphate spray, water rinse, and neutral final seal. Immediately dry in heated ovens, gradually cooled, prior to application of finish.
  - 2. Application: Electrostatically apply urethane powdercoat of selected color and bake in controlled high temperature oven to assure a smooth, hard satin finish. Surfaces shall have a chemical resistant, high grade laboratory furniture quality finish of the following thickness: Liquid, dipped, solvent based finishes are not and will not be acceptable.
    - a. Exterior and interior exposed surfaces: 1.5 mil average and 1.2 mil min.
    - b. Backs of cabinets and other surfaces not exposed to view: 1.2 mil average.
- B. Cabinet Surface Finish Tests: **All casework construction and performance characteristics shall be in full compliance with SEFA 8 standards.** At the owner's request, independent, third party performance testing must be submitted validating compliance and adheres to the finish specifications.
  - 1. **Chemical Spot Test**
    - 1.1 **Purpose of Test**

The purpose of the chemical spot test is to evaluate the resistance a finish has to chemical spills. **Note:** Many organic solvents are suspected carcinogens, toxic and/or flammable. Great care should be exercised to protect personnel and the environment from exposure to harmful levels of these materials.
    - 1.2 **Test Procedure**

Obtain one sample panel measuring 14" x 24" (355.6mm x 609.6mm). The received sample to be tested for chemical resistance as described herein. Place panel on a flat surface, clean with soap and water and blot dry. Condition the panel for 48-hours at 73+3F (23+2C) and 50+5% relative humidity. Test the panel for chemical resistance using forty-nine different chemical reagents by one of the following methods:

**Method A** - Test volatile chemicals by placing a cotton ball saturated with reagent in the mouth of a one-ounce (29.574cc) bottle and inverting the bottle on the surface of the panel.

**Method B** - Test volatile chemicals by placing five drops of the reagent on the surface of the panel and covering with a 24mm watch glass, convex side down.

For both of the above methods, leave the reagents on the panel for a period of **one hour**. Wash off the panel with water, clean with detergent and naphtha, and rinse with deionized water. Dry with a towel and evaluate after 24-hours at 73 ± F (23 ± C) and 50 ± 5% relative using the following rating system:

**Level 0** – No detectable change.

**Level 1** – Slight change in color or gloss.

**Level 2** – Slight surface etching or severe staining.

**Level 3** – Pitting, cratering, swelling, or erosion of coating. Obvious and significant deterioration.

Test No.	Chemical Reagent	Test Method
1.	Acetate, Amyl	A
2.	Acetate, Ethyl	A
3.	Acetic Acid, 98%	B
4.	Acetone	A
5.	Acid Dichromate, 5%	B
6.	Alcohol, Butyl	A
7.	Alcohol, Ethyl	A
8.	Alcohol, Methyl	A
9.	Ammonium Hydroxide, 28%	B
10.	Benzene	A
11.	Carbon Tetrachloride	A
12.	Chloroform	A
13.	Chromic Acid, 60%	B
14.	Cresol	A
15.	Dichlor Acetic Acid	A
16.	Dimethylformamide	A
17.	Dioxane	A
18.	Ethyl Ether	A
19.	Formaldehyde, 37%	A
20.	Formic Acid, 90%	B
21.	Furfural	A
22.	Gasoline	A
23.	Hydrochloric Acid, 37%	B
24.	Hydrochloric Acid, 48%	B

25.	Hydrogen Peroxide, 3%	B
26.	Iodine, Tincture of	B
27.	Methyl Ethyl Ketone	A
28.	Methylene Chloride	A
29.	Mono Chlorobenzene	A
30.	Naphthalene	A
31.	Nitric Acid, 20%	B
32.	Nitric Acid, 30%	B
33.	Nitric Acid, 70%	B
34.	Phenol, 90%	A
35.	Phosphoric Acid, 85%	B
36.	Silver Nitrate, Saturated	B
37.	Sodium Hydroxide, 10%	B
38.	Sodium Hydroxide, 20%	B
39.	Sodium Hydroxide, 40%	B
40.	Sodium Hydroxide, Flake	B
41.	Sodium Hydroxide, Saturated	B
42.	Sulfuric Acid, 33%	B
43.	Sulfuric Acid, 77%	B
44.	Sulfuric Acid, 96%	B
45.	Sulfuric Acid, 77% and Nitric Acid, 70%, equal parts	B
46.	Toluene	A
47.	Trichloroethylene	A
48.	Xylene	A
49.	Zinc Chloride, Saturated	B

## 1.3 Acceptance Level

Results will vary from manufacturer to manufacturer. **Laboratory grade finishes should result in no more than four Level 3 conditions.** Suitability for a given application is dependent upon the chemicals used in a given laboratory.

## 2. Hot Water Test

### 2.1 Purpose of Test

The purpose of this test is to insure the coating is resistant to hot water.

### 2.2 Test Procedure

Hot water, 190°F to 205°F (88°C to 96°C), shall be allowed to trickle (with a steady stream and at a rate of not less than 6 ounces (177.44cc) per minute on the surface, which shall be set at an angle of 45-degrees, for a period of five minutes.

### 2.3 Acceptance Level

After cooling and wiping dry, the finish shall show no visible effect from the hot water.

## 3. Impact Test

### 3.1 Purpose of Test

The purpose of this test is to evaluate the ductility of the coating.

### 3.2 Test Procedure

A one-pound ball approximately 2" (50.8mm) in diameter shall be dropped from a distance of 12" (304.8mm) onto a flat horizontal surface, coated to manufacturer's standard manufacturing method.

### 3.3 Acceptance Level

There shall be no visible evidence to the naked eye of cracks or checks in the finish due to impact.

## 4. Paint Adhesion on Steel Test

### 4.1 Purpose of Test

The paint adhesion test is used to determine the bond of the coating to steel. This does not apply to non-steel products.

### 4.2 Test Procedure

This test is based on ASTM D2197-86 "Standard Method of Test for Adhesion of Organic Coating". Two sets of eleven parallel lines 1/16" (1.587mm) apart shall be cut with a razor blade to intersect at right angles thus forming a grid of 100 squares. The cuts shall be made just deep enough to go through the coating, but not into the substrate. They shall then be brushed lightly with a soft brush for one minute. Examine under 100-foot candles of illumination.

### 4.3 Acceptance Level

Ninety or more of the squares shall show finish intact.

## 5. Paint Hardness on Steel Test

### 5.1 Purpose of Test

The paint hardness test is used to determine the resistance of the coatings to scratches.

### 5.2 Test Procedure

Pencils, regardless of their brand, are valued in this way: 8-H is the hardest, and next 11 order of diminishing hardness are 7-H, 6-H, 5-H, 4-H, 3-H, 2-H, H, F, HB, B (soft), 2-B, 3-B, 4-B, 5-B (which are softest). The pencils shall be sharpened on emery paper to a wide sharp edge. Pencils of increasing hardness shall be pushed across the paint film in a chisel-like manner until one is found that will cut or scratch the film. The pencil used before that one, that is the hardest pencil that will not rupture the film, is then used to express or designate the hardness.

### 5.3 Acceptance Level

The paint shall have a hardness of 4-H minimum.

## 2.11 BULLETIN BOARDS

1. General requirements - Bulletin boards are a dyed linoleum material framed in either powder painted steel or #304 stainless steel. Bulletin boards shall be both acoustical and tackable. Refer to drawing details. For fabric selection, provide color samples for owners review.
2. Nominal dimensions:
  - a. Widths: 42", 48", 60", 72", 96"
  - b. Heights: 20", 18", 16", 14" (from top of work surface to horizontal raceway)

## 2.12 MODESTY PANELS

1. General requirements - Steel (stainless steel or painted) shall mount directly to rear frame. Modesty panel will mount with a simple clamp mechanism with simple hand tool.
2. Nominal dimensions:
  - a. Widths: 42", 48", 60", 72", 96"
  - b. Heights: 19" mounts directly below the worksurface

## 2.13 TASK LIGHTS

1. General requirements - Task light shall be a T5HQ type. Task lights shall be gangable with an integral on/off switch. Switch will turn on/off all lights ganged to it.
2. Task light minimum performance levels shall be as follows: with 40 foot candle room lighting at the work surfaces, the task light shall increase the work surface illumination to 80/100 foot candles.
3. Nominal dimensions:
  - a. Widths: 29", 35", 47"

## PART 3 EXECUTION

### 3.01 INSTALLATION

- A. Furniture system installation:
  1. Install system in strict accordance with manufacturer's instructions.
  2. Set system components level on two planes with no distortion. Securely anchored to building structure using concealed shims where necessary in wall mount.
- B. Install applications casework, work surfaces and accessory items per Section 12345.

### 3.02 ADJUSTING

- A. Repair or remove and replace defective work, as directed by [Architect] [Owner] upon completion of installation.



### 3.03 CLEANING

- A. Clean shop finished laboratory furniture system surfaces and touch up as required.

### 3.04 PROTECTION OF FINISHED WORK

- A. Provide all necessary protective measures to prevent exposure of laboratory furniture system and attached components from exposure to other construction activity.
- B. Advise contractor of procedures and precautions for protection of the installed laboratory furniture system and related components from damage by work of other trades.

## ENVIRONMENTAL COMPLIANCE

### 1. Recycled Steel Content for Laboratory Casework

All steel used in the product fabrication shall comply with the LEED (Leadership in Energy and Environmental Design) Green Building Rating System. The manufacturer must submit documentation (i.e. "Source of Materials", Invoices, Third Party Validation, etc.) for steel purchased for this project providing recycled content. Such documentation shall be submitted to the Owner Representative/Architect for approval prior to award of contract.

- A. **Sheet Steel:** All cold rolled sheet steel used in the fabrication of laboratory cabinets, fumehoods and modular laboratory systems shall have a minimal of 20% recycled steel content.
- B. **Recycled Steel Content:** Of this 20% recycled content, 60% shall be purchased scrap (i.e. old cars, appliances) with the remaining 40% from generated in-house scrap and manufacturing fall-off.
- C. **Fabricators Scrap:** Fabricators shall provide documentation that manufacturing fall-off is recycled to respective steel mills and does not enter the solid waste system and/or become a product of land fill space.

### 2. Finish for Steel Laboratory Products

All Steel Laboratory Products shall utilize a dry powdercoat paint process by means of electrostatically spray, providing high-transfer efficiency low waste generation. Any liquid-applied coatings **shall not** be acceptable. Manufacturer shall supply documentation that waste generated during the painting process, is a solid, non-hazardous material.

- A. **Pretreatment:** Finish process shall incorporate a phosphate conversion coating during the pretreatment/cleaning operation. Electrostatic application of dry powder shall follow. Coated parts shall pass through curing ovens, which shall cause the powder to melt, flow, gel, cure and bond onto the phosphatized steel substrate.

- B. **Chemically Resistance Finish:** Only highly chemically resistant, dry powdercoated finishes that passes the SEFA 8 casework specifications for chemical and durability resistance, will be acceptable. A letter from a third-party validator, verifying independent test results, shall be submitted to the Owner Representative/ Architect for approval - at time of bid submittal.

- C. **Operator Protection:** The application is convenient and easily mastered through robotic application plus manual detailing. The painting process is cleanly contained and has no solvent odor and is performed in an air-conditioned room.

- D. **Overspray Powder Paint:** Shall be captured and resprayed. Efficiency shall be 99% effective in coating usage, reducing waste generation. A closed collection system shall be utilized for overspray that is not reused. Powder overspray, which can not escape the facility, is collected in bulk, eliminating the need for daily replacement/disposal of filter media.

- E. **VOC Emissions:** Powder paint shall be sprayed and baked with a near zero (.29 lbs per gallon maximum) VOC (Volatile Organic Compounds) emissions.

- F. **Offgasing:** After all steel powdercoated parts have cooled from the curing ovens, the coating shall be firm and stable. **No further emissions** or offgasing/ decomposition vapors shall occur at room temperature.

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