Electronic Update Page – Patterns Price List

- The table below lists all of the updates and addendums added to this price list since the original version was created.
- All updated pages will replace the existing pages within the document.
- All new Pages will be placed at the back of the document.

<table>
<thead>
<tr>
<th>Link</th>
<th>Date</th>
<th>Page</th>
<th>Description</th>
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<tr>
<td>Click Here</td>
<td>May 2020</td>
<td>18-19</td>
<td>Update – Added Back Option under To Order, Specify</td>
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</table>
The following overview explains how information is organized within this price book.

1. Front Cover
   - Includes the price book title and pricing effectiveness date.

2. Canadian Conversion / Update Page
   - Pricing conversion information for converting US pricing into the equivalent Canadian pricing is located on the footer of this page.
   - All Price Book updates will be listed on this page including the date, page number and description of the update.

3. Price List Table of Contents
   - Price List table of contents with page numbers.

4. Statement of Line
   - Provides a pictorial outline of the entire product offering.

5. Price List
   Each price list page contains the following:
   - Product Illustration
   - Catalog Number
   - To Order Specify – sequencing for ordering product options and finishes
   - List Prices
   - Product Specification Dimensions
   - Features
   - Specification Tips
   - Class, Discount Group Number (used for discounting) and GSA information

   - Table of Contents – specification guide content with page numbers
   - Statement of Line – provides a pictorial outline of the product offering
   - Easy Planning Steps – basic steps of planning with the product line
   - Product Details – product attributes, dimensions, surface materials and functionality
   - Product Application – vertical and horizontal planning guidelines including support and load, power, and storage
   - Technical Specifications – provides performance ratings, material composition and manufacturing process information

7. Finishes, Fabrics and COM
   - Lists information for material finishes and availability.
   - Provides COM information and requirements (if applicable).

8. North American Terms of Sale
   - Haworth terms for ordering, pricing, shipping and delivery, general terms, and services.

9. Index
   - Products are listed alphabetically by alpha-numeric catalog numbers with price list page number.

10. Product Non-Obsolescence and Warranty Policy
    - Provides information about the Haworth policy for non-obsolescence and warranty.

Additional Information and Resources
Prices are subject to change without notice or approval. Haworth dealers should always submit proposals through Lynx before presenting to customers. See North American Terms of Sale for more information.

Online Resources
haworth.com
- Haworth’s corporate website provides access to price books and a variety of other resources and publications.
surfaces.haworth.com
- Website provides access to the most current fabrics and finishes offered across Haworth’s various product lines.
# Table of Contents

## Statement of Line ........................................ 6-12

### Workwall
- Shell – Laminate ........................................... 14
- Shell – Wood .................................................. 16
- Horizontal Element – Laminate ................................. 18
- Horizontal Element – Wood .................................... 19
- Vertical Element – Laminate (For Use with Workwall Horizontal Element) ........................................... 20
- Vertical Element – Wood (For Use with Workwall Horizontal Element) ........................................... 21
- Backer – Half Width – Laminate ................................. 22
- Backer – 24” Segmented – Laminate ............................ 23
- Backer – 24” Segmented – Wood ................................ 24
- Backer – 24” Segmented – Glass ............................... 25
- Reference Top – Laminate ..................................... 26
- Reference Top – Wood ......................................... 27
- Reference Return – Laminate ................................... 28
- Reference Return – Wood ..................................... 29
- Portal – Laminate ............................................... 30
- Portal – Wood ................................................... 31
- Vertical Element – Laminate (For use with Reference Top, Reference Return and Portal) .......................... 32
- Vertical Element – Wood (For use with Reference Top, Reference Return and Portal) .......................... 33
- Credenza Top – Laminate ...................................... 34
- Credenza Top – Wood .......................................... 35
- Suspended Shelf – Laminate ................................... 36
- Suspended Shelf – Wood ....................................... 37
- Suspended Shelf – Glass ....................................... 38
- Suspended Shelf Backer – Laminate ............................ 39
- Suspended Shelf Backer – Glass ............................... 39
- Floor Supported Shelf – Laminate .............................. 40
- Sliding Doors – Laminate ....................................... 41
- Sliding Doors – Wood ......................................... 42
- Sliding Doors – Glass ......................................... 43
- Wire Manager – Vertical ....................................... 44
- Rear Dadoes – Double Sided ................................... 45
- Workwall To Compose Power Harness – 3-Circuit .......... 46
- Workwall To Compose Power Harness – 4-Circuit (2×2 or 3×1) ......................................................... 46

### Workwall Accessories
- Load Distribution Floor Anchor Plate ........................ 47
- Tie Bracket Kit – Compose Glass Stack ...................... 47
- Wall Mount ....................................................... 48
- Glass Wall Mount ............................................... 48
- Workwall – Vertical End Trim .................................. 48

### Studio Table – Laminate
- Laminate .......................................................... 50
- Wood ............................................................... 52

### Electrical Components
- Top Feeds ......................................................... 54
- Base Feeds ......................................................... 55

### File Enclosure
- Shell – Laminate ............................................... 57
- Shell – Wood ....................................................... 61
- Horizontal Element – Laminate ................................ 64
- Horizontal Element – Wood .................................... 65
- Vertical Element – Laminate (For use with Horizontal File Enclosure Element Only) ........................ 66
- Vertical Element – Wood (For use with Horizontal File Enclosure Element Only) ................................ 67
- Backer – Laminate ............................................... 68
- Backer – Wood ................................................... 70

- Reference Top – Laminate ...................................... 72
- Reference Top – Wood .......................................... 73
- Reference Return – Laminate ................................... 74
- Reference Return – Wood ...................................... 75
- Vertical Element – Laminate (For use with Reference Top and Reference Return) ............................ 76
- Vertical Element – Wood (For use with Reference Top and Reference Return) ................................ 77

### Bench
- Laminite ........................................................ 78
- Wood .............................................................. 79
- Cushion .......................................................... 80

### Electrical Components
- Infeed Harness .................................................. 81
- Base Feed Cover ............................................... 81
- Power Base Al Infeed Harness – for use with Patterns 82
- Vertical Jumper .................................................. 83
- Horizontal Jumper ............................................... 84
- 4-Port Splitter ................................................... 84
- Standard Top Feeds ............................................. 85
- Top Feed Harness ............................................... 86
- Flip Top Unit with Conduit ..................................... 87
- Flip Top Unit with Cord ....................................... 88

### Electrical Components – Hardwire
- Duplex ............................................................ 91
- Hardwire .......................................................... 91
- Junction Box ....................................................... 91

### Task Lighting
- Workwall – Task Light with Mounting Channel ........... 92
- Workwall – Task Light without Mounting Channel ........ 92

### Adaptable Worksurface
- Rectangular Convergent – Laminate ........................... 93
- Rectangular Convergent – Wood ................................ 94
- Key Conference End – Laminate ................................ 95
- Rectangular Key – Laminate ..................................... 95
- Key Conference End – Wood .................................... 96
- Rectangular Key – Wood ........................................ 96

### Supports
- Floating Bracket – Worksurface ................................ 97
- Floating Bracket – Floor Supported Shelf ...................... 97
- Studio Table – Z-Bracket ...................................... 98
- Worksurfave Support End – Laminate ......................... 99
- Worksurfave Support End – Wood ............................. 100

### Accessories
- Grommet – Workwall, Credenza, Studio Table & Worksurface .......................................................... 101
- Grommet – Workwall Adjustable Shelf or Workwall Floor Supported Shelf ........................................... 101

### Worksurfave Supports
- Double Support Leg ............................................. 102
- Support Column .................................................. 102
- Flush Mount Plate ............................................... 102
- Key Conference End Bracket ................................... 103
- Worksurfave Reinforcement Channel ....................... 103
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privacy Screens</td>
<td>104</td>
</tr>
<tr>
<td>Straight</td>
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</tr>
<tr>
<td>Patterns Series</td>
<td>105</td>
</tr>
<tr>
<td>File Cushion</td>
<td></td>
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<tr>
<td>Pedestal Cushion</td>
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<tr>
<td>Finishes</td>
<td></td>
</tr>
<tr>
<td>Preferred Finishes</td>
<td>594</td>
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<td>Legacy Finishes</td>
<td>595</td>
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<tr>
<td>Wood Finishes</td>
<td>596</td>
</tr>
<tr>
<td>Vertical Fabrics</td>
<td>597-598</td>
</tr>
<tr>
<td>Seating Fabrics/Color Legend</td>
<td>599-600</td>
</tr>
<tr>
<td>COM Yardage Requirements</td>
<td>601</td>
</tr>
<tr>
<td>Terms of Sale</td>
<td>602-605</td>
</tr>
<tr>
<td>North American</td>
<td></td>
</tr>
<tr>
<td>Index</td>
<td>606-608</td>
</tr>
<tr>
<td>Lifetime Product Warranty</td>
<td>Inside Back Cover</td>
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</tbody>
</table>

February 2020 / N.A. 5
Patterns Price List

Statement of Line

Workwall – Shell — pages 14-17

- RQUA-L Laminate Power Location - Desk Height
- RQUE-L Laminate Power Location - Desk Height
- RQUA-L Laminate Power Location - Base
- RQUE-L Laminate Power Location - Base
- RQUA-W Wood Power Location - Desk Height
- RQUE-W Wood Power Location - Desk Height
- RQUA-W Wood Power Location - Base
- RQUE-W Wood Power Location - Base

Workwall – Horizontal Element — pages 18-19

- RQHA-L Laminate
- RQHA-W Wood

Workwall – Vertical Element — pages 20-21

- RQVA-L Laminate Power Location - Desk Height
- RQVA-L Laminate Power Location - Base Height
- RQVA-W Wood Power Location - Desk Height
- RQVA-W Wood Power Location - Desk Base

Workwall Backer — pages 22-25

- ROBA-L2 Half Width - Laminate
- ROBA-LM 24” Segmented - Laminate
- ROBA-WM 24” Segmented - Wood
- ROBA-GM 24” Segmented - Glass

Workwall – Reference Top — pages 26-27

- RQTA-LN Laminate
- RQTA-WN Wood

Workwall – Reference Return — pages 28-29

- RQMA-LN Laminate
- RQMA-WN Wood
Workwall – Portal — pages 30-31

Workwall – Vertical Element — pages 32-33

Workwall – Credenza Top — pages 34-35

Workwall Suspended Shelf — pages 36-38

Workwall Suspended Shelf Backers — page 39

Workwall Floor Supported Shelf — page 40
Patterns Price List

Statement of Line

Workwall – Sliding Doors — pages 41-43

Workwall – Wire Manager — page 44

Workwall – Tackboards — page 45

Workwall To Compose Power Harness — page 46

Workwall Accessories — pages 47-48
Patterns Price List

Statement of Line

Studio Table — pages 50-53

Electrical Components – Studio Table — pages 54-55

File Enclosure – Shell — pages 57-63

File Enclosure – Horizontal Element — pages 64-65

File Enclosure – Vertical Element — pages 66-67

File Enclosure – Backer — pages 68-71
Patterns Price List

Statement of Line

File Enclosure – Reference Top — pages 72-75

QQTA Laminate
QQTA Wood
QQMA Return - Laminate
QQMA Return - Wood

File Enclosure – Vertical Element — pages 76-77

QQVA Laminate
QQVA Laminate
QQVA Wood
QQVA Wood

Bench — pages 78-80

SQBA Laminate
SQBA Wood
SQBC Cushion

Electrical Components — pages 81-88

EQEG-3, 4 Infeed Harness
EQEB-C Infeed Harness
EQAB Base Feed Cover
EQEB Power Base AI Infeed Harness
EQEJ Vertical Jumper
EQEJ Horizontal Jumper

EQEJ-0000 4-Port Splitter
EQET Standard Top Feeds
EQTH Top Feed Harness
EQE1 Flip Top Unit with Conduit - Hardwire
EQE1 Flip Top Unit with Conduit - 3- or 4-circuit
EQE1-1221W Flip Top Unit with Cord
EUE1-1331W Flip Top Unit with Cord
Patterns Price List

Statement of Line

Worksurface Supports — pages 102-103

- ZZFK Double Support Leg
- WUCC-0004 Support Column
- ZUBF Flush Mount Plate
- ZUBL Key Conference End Bracket
- WUAR Worksurface Reinforcement Channel

Privacy Screens — page 104

- PQJD Straight

Pattern Series — page 105

- GQFC File Cushion
- GQFC File Cushion
- GQPC Pedestal Cushion
- GQPC Pedestal Cushion
Workwall – Shell – Laminate

Features
• Includes 3”(76mm) thick laminate horizontal(s) and 3”(76mm) thick laminate verticals with trim covers, structural beam, cover, stabilizer, stabilizer base, glide sleeves, mounting rail and attachment hardware.
• 42”(1067mm) deep workwall horizontals have seams:
- 44 1/2”-76 1/2” (1130mm-1943mm) high horizontal has one seam in center.
- 92 1/2”(2350mm) high horizontal has two seams in center.
• Removable trim covers with anodized aluminum inlay.
• Mounting rail provides attachment support for:
  – Workwall backer
  – Workwall tackboard
  – Workwall credenza top
• Workwall floor supported shelf
• Optional workwall backer is ordered separately. If workwall backer option not specified, mounting rail includes trim cover.
• If power location options (D) or (R) are specified:
  – If desk height power location option (D) is specified, both verticals include inside cutout for power access.
  – If vertical base power location option (R) is specified, both verticals include inside cutout for power access.
• Power option accommodates:
  – (3) or (4) circuit power option includes PDA, 4-port splitter, jumpers and bezel.
  – Hardwire (C) — Includes J-box, two duplex receptacles, bezel and access door cover in matching laminate; flexible metal conduit is field supplied.
  – If power option specified, power access locations:
    – 22”(559mm) deep vertical — power access is centered 11”(279mm) in from each vertical edge
    – 42”(1067mm) deep vertical — two power access locations centered 11”(279mm) in from each vertical edge
• Workwall vertical elements have shelf inserts with shelf pins, refer to Specification Guide for locations.
• Adjustable glides: 1 1/2”(38mm) range.
• Adjustable glide sleeves are Metallic Champagne.
• Ships unassembled.

Specification Tips
• Not for use with workwall reference top, reference return or portal applications.
• Refer to Specification Guide Electrical Applications for additional information.
• 3- and 4-circuit options; separately specify:
  – Power infeeds
  – Duplex receptacles
  – Data Blank Cover, if needed
• Do not mix 3-circuit with 4-circuit components.

Note: Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

To Order, Specify:
1) Product number, including:
   1 Backer Option:
   Y Yes (preredilled holes only)
   N No

2) Power Option:
   N None
   3 8-wire, 3-circuit
   4 8-wire, 4-circuit
   C Hardwire:
   22”, add $762.81 list to No Power
   42”, add $1505.64 list to No Power

3) Power Location Option:
   N None
   R Vertical base
   D Vertical desk height (one side)
   22”, add $308.10 list
   42”, add $616.20 list

2 Laminate surface color.
3) Edge trim color.
4) Inlay trim color.
   Anodized Matte – ZA-MT
5) Stabilizer surface color.
   – Laminate or wood color
6) Stabilizer base/mounting rail trim color.
   Anodized Matte – ZA-MT
7) Trim Colors:
   3- or 4-circuit
   – Bezel trim color (non-metallic only)
   Hardwire
   – Bezel/Receptacle trim color
     Gray Tone – TR-G*
     White – TR-W*
   *Note: Supplier colors

NOTE:
Some building codes may restrict use of heights greater than 69”(1753mm). Consult your local code authority to assure that the furniture layout is compliant prior to installation.
<table>
<thead>
<tr>
<th>Outside Height</th>
<th>Outside Width</th>
<th>Inside Width</th>
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*Upcharge for Hardwire Option.

**Note:** Product number with code C0 = 120″(3048mm).
Features

- Includes 3"(76mm) thick wood veneer horizontal(s) and 3"(76mm) thick wood veneer verticals with trim covers, structural beam, cover, stabilizer, stabilizer base, glide sleeves, mounting rail and attachment hardware.
- 42"(1067mm) deep workwall horizontals have seams:
  - 44 1/2"-76 1/2" (1130mm-1943mm) high horizontal has one seam in center.
  - 92 1/2"(2350mm) high horizontal has two seams in center.
- Removable trim cover with anodized aluminum inlay.
- Mounting rail provides attachment support for:
  - Workwall backer
  - Workwall tackboard
  - Workwall credenza top
  - Workwall floor supported shelf
- Optional workwall backer is ordered separately. If workwall backer option not specified, mounting rail includes trim cover.
- If power location options (D) or (R) are specified:
  - If desk height power location option (D) is specified, both verticals include inside cutout for power routing access.
  - If vertical base power location option (R) is specified, both verticals include inside cutout for power routing access.
- Power option accommodates:
  - (3) or (4) circuit power option includes PDA, 4-port splitter, jumpers and bezel.
  - Hardwire (C) — Includes J-box, two duplex receptacles, bezel and access door cover in matching wood veneer; flexible metal conduit is field supplied.
- If power option specified, power access locations:
  - 22"(559mm) deep vertical — power access is centered
  - 42"(1067mm) deep vertical — two power access locations centered 11"(279mm) in from each vertical edge
- Workwall vertical elements have shelf inserts with shelf pins, refer to Specification Guide for locations.
- Adjustable glides: 1 1/2"(38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

Specification Tips

- Not for use with workwall reference top, reference return or portal applications.
- Refer to Specification Guide Electrical Applications for additional information.
- 3- and 4-circuit options; separately specify:
  - Power infeeds
  - Duplex receptacles
  - Data Blank Cover, if needed
- Do not mix 3-circuit with 4-circuit components.

Note: Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

To Order, Specify:

1) Product number, including:
   - Backer Option:
     Y Yes (predrilled holes only)
     N No
   - Power Option:
     N None
     3 8-wire, 3-circuit
     4 8-wire, 4-circuit
     C Hardwire:
       22", add $762.81 list to No Power
       42", add $1505.64 list to No Power
   - Power Location Option:
     N None
     R Vertical base
     D Vertical desk height (one side)
     22", add $308.10 list
     42", add $616.20 list
2) Wood finish color.
3) Inlay trim color.
   Anodized Matte – ZA-MT
4) Stabilizer surface color.
   - Wood or laminate color
5) Stabilizer base trim color.
   Anodized Matte – ZA-MT
6) Trim Colors:
   3- or 4-circuit
   - Bezel trim color (non-metallic only)
   Hardwire
   - Bezel/Receptacle trim color
     Gray Tone – TR-G*
     White – TR-W*
   *Note: Supplier colors

NOTE:
Some building codes may restrict use of heights greater than 69”(1753mm). Consult your local code authority to assure that the furniture layout is compliant prior to installation.
<table>
<thead>
<tr>
<th>Outside Height</th>
<th>Outside Width</th>
<th>Inside Width</th>
<th>Number</th>
<th>Wood Group A</th>
<th>Wood Group B</th>
<th>Wood Group B Power</th>
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*Upcharge for Hardwire Option.

**Note:** Product number with code C0 = 120"(3048mm).
## Workwall – Horizontal Element – Laminate

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*Upcharge for Hardwire Option.

**Note:** Product number with code C0 = 120")3048mm).

**Features**
- Includes 3")76mm) thick laminate horizontal with trim covers with structural beam, cover, stabilizer, stabilizer base, mounting rail and attachment hardware.
- 42")1067mm) deep workwall horizontals have seams: 44 1/2")60 1/2")76 1/2")92 1/2")2350mm) high horizontals have one seam.
- 92")2350mm) high horizontal has two seams.
- Removable trim covers with anodized aluminum inlay.
- Mounting rail provides attachment support for: Workwall backer, Workwall tackboard, Workwall credenza top, Workwall floor supported shelf.
- If power option (3) or (4) is specified, a jumper is included and runs through horizontal element.
- If power option hardwire (C) is specified; flexible metal conduit is supplied.
- Ships unassembled.

**Specification Tip**
- Must separately specify components: Workwall vertical element (for use with horizontal element) with matching depth.

**Note:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

To Order, Specify:
1) Product number, including:
   - Back Option:
     - N No back
     - Y Pre-drilled for back
   - Power Option:
     - N None
     - 3 8-wire, 3-circuit
     - 4 8-wire, 4-circuit
     - C Hardwire:
       - 22", add $64.05 list to No Power
       - 42", add $128.10 list to No Power
   - Laminate surface color.
   - Edge trim color.
   - Inlay trim color.
     - Anodized Matte – ZA-MT
   - Stabilizer surface color.
     - Laminate or wood color
   - Stabilizer base/mounting rail color.
     - Anodized Matte – ZA-MT

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Patterns Price List

[Workwall – Horizontal Element – Laminate]

[Class PT]

Canadian Conversion Factor: Refer to haworth.com/Canada

PAGE UPDATE

May 2020 / N.A.

HAWORTH
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*Upcharge for Hardwire Option.

Note: Product number with code C0 = 120"(3048mm).

Features
- Includes 3"(76mm) thick wood veneer horizontal with trim covers with structural beam, cover, stabilizer, stabilizer base, mounting rail and attachment hardware.
- 42"(1067mm) deep workwall horizontals have seams:
  - 44 1/2"-76 1/2"(1130mm-1942mm) high horizontals have one seam
  - 92 1/2"(2350mm) high horizontal has two seams
- Removable trim covers with anodized aluminum inlay.
- Mounting rail provides attachment support for:
  - Workwall backer
  - Workwall tackboard
  - Workwall credenza top
  - Workwall floor supported shelf
- If power option (3) or (4) is specified, a jumper is included and runs through horizontal element.
- If power option hardwire (C) is specified; flexible metal conduit is field supplied.
- Ships unassembled.

Specification Tip
- Must separately specify components:
  - Workwall vertical element (for use with horizontal element) with matching depth.

Note: Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

To Order, Specify:
1) Product number, including:
   1 Back Option:
      N No back
      Y Pre-drilled for back
   2 Power Option:
      N None
      S 8-wire, 3-circuit
      4 8-wire, 4-circuit
      C Hardwire: 22", add $64.05 list to No Power
                    42", add $128.10 list to No Power
   2) Wood finish color.
   3) Inlay trim color. (Anodized Matte – ZA-MT)
   4) Stabilizer surface color. (Wood or laminate color)
   5) Stabilizer base/mounting rail color. (Anodized Matte – ZA-MT)
Workwall – Vertical Element – Laminate

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</table>

*Upcharge for Hardwire Option.

Features
- Includes 3"(76mm) thick laminate vertical with trim covers, glide sleeves, shelf inserts with shelf pins and attachment hardware.
- Removable trim covers with anodized aluminum inlay.
- Optional workwall backer is ordered separately.
- If power location options (D), (Z), (R) or (K) are specified:
  - If desk height power location option (D) or (Z) is specified, vertical includes cutout for power access.
  - If vertical base power location option (R) or (K) is specified, vertical includes cutout for power access.
- Power option accommodates:
  - (3) or (4) circuit power option includes PDA, 4-port splitter, jumpers and bezel.
  - Hardwire (C) — Includes J-box, two duplex receptacles, bezel and access door cover in matching laminate; flexible metal conduit is field supplied.
- If power option specified, power access location:
  - 22"(559mm) deep vertical — power access is centered 11 1/2"(297mm) in from each vertical edge.
  - 42"(1067mm) deep vertical — two power access locations centered 11"(279mm) in from each vertical edge.
- Power access location is available in left-hand, centered or right-hand position if power option specified.
- Workwall vertical elements have shelf pin-inserts and shelf pins. Refer to Specification Guide for locations.
- Adjustable glides: 1 1/2"(38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

Specification Tips
- Must be used with a workwall horizontal element of matching depth.
- Refer to Specification Guide Electrical Applications for additional information.
- 3- and 4-circuit options; separately specify:
  - Power infeeds
  - Workwall horizontal element
  - Duplex receptacles
  - Data Blank Cover, if needed
- Do not mix 3-circuit with 4-circuit components.

Note: Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

To Order, Specify:
1) Product number, including:
   - Backer Option:
     - Y Yes (predrilled holes only)
     - N No
   - Power Option:
     - N None
     - 3 8-wire, 3-circuit
     - 4 8-wire, 4-circuit
     - C Hardwire:
       - 22", add $258.80 list to No Power
       - 42", add $517.61 list to No Power
   - Power Location Option:
     - N None
     - D Vertical desk height (one side):
       - 22", add $151.07 list
       - 42", add $302.15 list
     - K Vertical base (back-to-back):
       - 22", add $151.07 list
       - 42", add $302.15 list
   - Vertical End Position:
     - L Left-hand
     - R Right-hand
     - C Center (R or D power location not available)
2) Laminate surface color.
3) Edge trim color.
4) Inlay trim color.
   - Anodized Matte – ZA-MT
5) Trim Colors:
   - 3- or 4-circuit
     - Bezel trim color (non-metallic only)
     - Bezel/Receptacle trim color
       - Gray Tone – TR-G*
       - White – TR-W*
   - Hardwire
     - Bezel/Receptacle trim color
     - Gray Tone – TR-G*
     - White – TR-W*

*Note: Supplier colors

NOTES:
Some building codes may restrict use of heights greater than 69"(1753mm).
Consult your local code authority to assure that the furniture layout is compliant prior to installation.

*22"(559mm) deep workwall shell application may require anchoring. Call Sales Engineering for information.
# Workwall – Vertical Element – Wood

**Workwall – Vertical Element – Wood**  
**(For Use with Workwall Horizontal Element)**

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Number</th>
<th>Wood Group A No Power*</th>
<th>Wood Group A Power</th>
<th>Wood Group B No Power*</th>
<th>Wood Group B Power</th>
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</thead>
<tbody>
<tr>
<td>44 1/2&quot;(1130mm)</td>
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</tr>
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</table>

*Upcharge for Hardwire Option.

### Features
- Includes 3"(76mm) thick wood veneer vertical with trim covers, glide sleeves, shelf inserts with shelf pins and attachment hardware.
- Removable trim covers with anodized aluminum inlay.
- **Optional workwall backer is ordered separately.**
- If power location options (D), (Z), (R) or (K) are specified:
  - If desk height power location option (D) or (Z) is specified, vertical includes cutout for power access.
  - If vertical base power location option (R) or (K) is specified, vertical includes cutout for power access.
- Power option accommodates:
  - (3) or (4) circuit power option includes PDA, 4-port splitter, jumpers and bezel.
  - Hardware (C) — Includes J-box, two duplex receptacles, bezel and access door cover in matching wood veneer; flexible metal conduit is field supplied.
- If power option specified, power access location:
  - 22"(559mm) deep vertical — power access is centered.
  - 42"(1067mm) deep vertical — two power access locations centered 11"(279mm) in from each vertical edge.
  - Power access location is available in left-hand, centered or right-hand position if power option specified.
- If vertical end position (C) is specified, power locations (D) and (R) are not available.
- Workwall vertical elements have shelf pin-inserts and shelf pins.
- Refer to Specification Guide for locations.
  - Left and right verticals have inserts with shelf pins on inside.
  - Center vertical element has inserts with shelf pins on both sides.
- Adjustable glides: 1 1/2"(38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

### Specification Tips
- Must be used with a workwall horizontal element of matching depth.
- Refer to Specification Guide Electrical Applications for additional information.
- 3- and 4-circuit options; separately specify:
  - Power infeeds
  - Workwall horizontal element
  - Duplex receptacles
  - Data Blank Cover, if needed.
- Do not mix 3-circuit with 4-circuit components.

**To Order, Specify:**

1. **Backer Option:**
   - Y Yes (predrilled holes only)
   - N No

2. **Power Option:**
   - N None
   - 3 8-wire, 3-circuit
   - 4 8-wire, 4-circuit
   - C Hardwire: 22", add $258.80 list to No Power 42", add $517.61 list to No Power

3. **Power Location Option:**
   - N None
   - R Vertical base (one side)
   - D Vertical desk height (one side):
     - 22", add $151.07 list 42", add $302.15 list
   - K Vertical base (back-to-back)
   - Z Vertical desk height (back-to-back):
     - 22", add $151.07 list 42", add $302.15 list

4. **Vertical End Position:**
   - L Left-hand
   - R Right-hand
   - C Center (R or D power location not available)

5. **Trim Colors:**
   - 3- or 4-circuit
     - Bezel trim color (non-metallic only)
     - Hardware — Bezel/Receptacle trim color
     - Gray Tone — TR-G*
     - White — TR-W*

**Note:** Supplier colors

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**NOTES:**

*Some building codes may restrict use of heights greater than 69" (1753mm). Consult your local code authority to assure that the furniture layout is compliant prior to installation.

*22" (559mm) deep workwall shell application may require anchoring. Call Sales Engineering for information.
### Workwall Backer – Laminate

<table>
<thead>
<tr>
<th>Workwall Outside Height</th>
<th>Depth</th>
<th>Width</th>
<th>Number</th>
<th>Laminate Price</th>
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<tbody>
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<td>22”(559mm)*</td>
<td>72”(1829mm)</td>
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<td>RQBA-6072-40L2</td>
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<tr>
<td>76 1/2”(1943mm)</td>
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<td>RQBA-7672-40L2</td>
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<tr>
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<td>RQBE-92C0-40L2</td>
<td>2319.56</td>
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</table>

**Note:** Product number with code C0 = 120”(3048mm).

### Features
- Includes 2 laminate backer segments, vertical rails with attachment hardware.
- Ships unassembled.

### Specification Tips
- Workwall shells, vertical and horizontal elements must be specified with backer option (Y).
- For use with 22”(559mm) and 42”(1067mm) deep workwall shells and workwall elements.
- Workwall backers are each half-width of workwall [i.e. 72”(1829mm) workwall will have two 36”(914mm) backers].
- Workwall backer attaches into stabilizer mounting rail.
- Workwall backers width must match inside workwall width.

### To Order, Specify:
1. Product number.
2. Laminate surface color.
3. Rail trim color.
   - Anodized Matte - ZA-MT

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NOTES:
Some building codes may restrict use of heights greater than 69” (1753mm).
Consult your local code authority to assure that the furniture layout is compliant prior to installation.

*"22”(559mm) deep workwall shell application may require anchoring. Call Sales Engineering for information.*
NOTES:
Some building codes may restrict use of heights greater than 69 " (1753mm). Consult your local code authority to assure that the furniture layout is compliant prior to installation.

*22 " (559mm) deep workwall shell application may require anchoring. Call Sales Engineering for information.

<table>
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<tr>
<th>Workwall Backer – 24&quot; Segmented – Laminate</th>
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<th>laminate price</th>
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</table>

Note: Product number with code C0 = 120"(3048mm).

Features
- Includes 3, 4 or 5-24"(610mm)-wide laminate backer segments, vertical rails with attachment hardware.
- Ships unassembled.

Specification Tips
- Workwall shells, vertical and horizontal elements must be specified with backer option (Y).
- For use with 22"(559mm) and 42"(1067mm) deep workwall shells and workwall elements.
- Workwall backer segments are each 24"(610mm) wide.
- Workwall backer attaches into stabilizer mounting rail.
- Workwall backers width must match inside workwall width.

To Order, Specify:
1) Product number.
2) Laminate surface color.
3) Rail trim color.
Anodized Matte - ZA-MT
Workwall Backer – Wood

**NOTES:**
Some building codes may restrict use of heights greater than 69" (1753mm). Consult your local code authority to assure that the furniture layout is compliant prior to installation.

<table>
<thead>
<tr>
<th>Outside Workwall Height</th>
<th>Depth</th>
<th>Width</th>
<th>Number</th>
<th>Wood Group A</th>
<th>Wood Group B</th>
</tr>
</thead>
<tbody>
<tr>
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Note: Product number with code C0 = 120" (3048mm).

**Features**
- Includes 3, 4 or 5-24" (610mm)-wide wood veneer backer segments, vertical rails with attachment hardware.
- Ships unassembled.

**Specification Tips**
- Workwall shells, vertical and horizontal elements must be specified with backer option (Y).
- For use with 22" (559mm) and 42" (1067mm) deep workwall shells and workwall elements.
- Workwall backer segments are each 24" (610mm) wide
- Workwall backer attaches into stabilizer mounting rail.
- Workwall backers width must match inside workwall width.

**To Order, Specify:**
1) Product number.
2) Wood finish color.
3) Rail trim color.
   Anodized Matte - ZA-MT

"22" (559mm) deep workwall shell application may require anchoring. Call Sales Engineering for information.
NOTES:
Some building codes may restrict use of heights greater than 69” (1753mm).
Consult your local code authority to assure that the furniture layout is compliant prior to installation.

*22” (559mm) deep workwall shell application may require anchoring.
Call Sales Engineering for information.

### Outside Workwall Height

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### Workwall Backer – Glass

**Note:** Product number with code CO = 120” (3048mm).

**Features**
- Includes 3, 4 or 5-24” (610mm)-wide glass backer segments, vertical rails with attachment hardware.
- Ships unassembled.

**Specification Tips**
- Workwall shells, vertical and horizontal elements must be specified with backer option (Y).
- For use with 22” (559mm) and 42” (1067mm) deep workwall shells and workwall elements.
- Workwall glass backer segments are approximately 23 3/4” (603mm) wide and sized to provide 1/4” (6mm) gap between each piece.
- Workwall backer attaches into stabilizer mounting rail.
- Workwall backers width must match inside workwall width.

**To Order, Specify:**
1) Product number.
2) Glass surface color.
3) Rail trim color.  
  Anodized Matte - ZA-MT

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**Class PT**

Canadian Conversion Factor: Refer to haworth.com/Canada

February 2020 / N.A. 25
Workwall – Reference Top – Laminate

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*Upcharge for Hardwire Option.

Features
- Includes 3”(76mm) thick laminate horizontal with trim covers and attachment hardware.
- Removable trim covers with anodized aluminum inlay.
- If power option (3) or (4) is specified, jumper(s) are included and run through horizontal element.
- If hardwire power option (C) is specified, flexible metal conduit is field supplied.
- If power location option (H) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).

Specification Tips
- Must be used between 44 1/2”(1130mm) high workwall vertical elements (for use with reference top) of same depth. (Not for attachment to workwall shell.)
- For optional flip top unit cutout placement, refer to Specification Guide. Flip top unit specified separately.
- Backer not for use with reference tops.
- Must separately specify components:
  - Vertical element for use with reference top with matching depth
  - Refer to Specification Guide Electrical Applications for additional information.
- Do not mix 3-circuit with 4-circuit components.

Note: Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

To Order, Specify:
1) Product number including:
   - Power Option:
     - N None
     - 3 8-wire, 3-circuit
     - 4 8-wire, 4-circuit
     - C Hardwire, add $75.61 list to No Power

2) Power Location Option:
   - N None
   - H One flip top (cutout only), add $38.54 list

2) Laminate surface color.
3) Edge trim color.
4) Inlay trim color. Anodized Matte – ZA-MT
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*Upcharge for Hardwire Option.

**Features**
- Includes 3” (76mm) thick wood veneer horizontal with trim covers and attachment hardware.
- Removable trim covers with anodized aluminum inlay.
- If power option (3) or (4) is specified, jumper(s) are included and run through horizontal element.
- If hardwire power option (C) is specified, flexible metal conduit is field supplied.
- If power location option (H) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).

**Specification Tips**
- Must be used between 44 1/2” (1130mm) high workwall vertical elements (for use with reference top) of same depth. (Not for attachment to workwall shell.)
- For optional flip top unit cutout placement, refer to Specification Guide. *Flip top unit specified separately.*
- Backer not for use with reference tops.
- Must separately specify components:
  - Vertical element (for use with reference top) with matching depth
  - Refer to Specification Guide Electrical Applications for additional information.
- Do not mix 3-circuit with 4-circuit components.

**Note:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

**To Order, Specify:**
1) Product number including:
   - **Power Option:**
     - N None
     - 3 8-wire, 3-circuit
     - 4 8-wire, 4-circuit
     - C Hardwire, add $75.61 list to No Power
2) **Power Location Option:**
   - N None
   - H One flip top (cutout only), add $38.54 list
3) Wood finish color.
   - Anodized Matte – ZA-MT
Workwall – Reference Return – Laminate

### Features
- Includes 3” (76mm) thick laminate horizontal with trim covers, 3” (76mm) thick laminate vertical end with trim covers, glide sleeves and attachment hardware.
- Removable trim covers with anodized aluminum inlay.
- If power options (3) or (4) are specified, jumper connects into separately specified flip top unit.
- If hardwire power option (C) is specified, flexible metal conduit is field supplied.
- If power location option (H) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).
- Power Options (3), (4) or (C) may only be specified with Power Location (H).
- Power cannot be routed or accessed through reference return vertical end.
- Adjustable glides: 1 1/2” (38mm) range.
- Adjustable glide sleeve is Metallic Champagne.
- Ships unassembled.

### Specification Tips
- Must be used with a 44 1/2” (1130mm)-high workwall vertical element (for use with reference return) of same depth. (Not for attachment to a workwall shell.)
- For optional flip top unit cutout placement, refer to Specification Guide. **Flip top unit is specified separately.**
- Backer not for use with workwall reference return.
- Must separately specify power components:
  - Power infeeds
  - Vertical element (for use with a reference return) with matching depth
  - Refer to Specification Guide Electrical Applications for additional information.
- Do not mix 3-circuit with 4-circuit components.

**Note:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

### To Order, Specify:
1. **Power Option:**
   - N None
   - 3 8-wire, 3-circuit
   - 4 8-wire, 4-circuit
   - C Hardwire, add $114.15 list to No Power
2. **Power Location Option:**
   - N None
   - H One flip top per horizontal top (cutout only)
3. **Vertical End Position:**
   - L Left-handed
   - R Right-handed

2) Laminate surface color.
3) Edge trim color.
4) Inlay trim color.
   - Anodized Matte – ZA-MT
Workwall – Reference Return – Wood

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*Upcharge for Hardwire Option.

**Features**
- Includes 3”(76mm) thick wood veneer horizontal with trim covers, 3”(76mm) thick wood veneer vertical end with trim covers, glide sleeves and attachment hardware.
- Removable trim covers with anodized aluminum inlay.
- If power location options (3) or (4) are specified, jumper connects into separately specified flip top unit.
- If hardwire power option (C) is specified, flexible metal conduit is field supplied.
- If power option (H) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).
- Power Options (3), (4) or C may only be specified with Power Location (H).
- Power cannot be routed or accessed through reference return vertical end.
- Adjustable glides: 1 1/2”(38mm) range.
- Adjustable glide sleeve is Metallic Champagne.
- Ships unassembled.

**Specification Tips**
- Must be used with a 44 1/2”(1130mm)-high workwall vertical element (for use with reference return) of same depth. (Not for attachment to a workwall shell.)
- For optional flip top unit cutout placement, refer to Specification Guide. **Flip top unit is specified separately.**
- Backer not for use with workwall reference return.
- **Must separately specify power components:**
  - Power infeeds
  - Vertical element (for use with a reference return) with matching depth
- Refer to Specification Guide Electrical Applications for additional information.
- Do not mix 3-circuit with 4-circuit components.

**Note:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

**To Order, Specify:**

1. **Power Option:**
   - N None
   - 3 8-wire, 3-circuit
   - 4 8-wire, 4-circuit
   - C Hardwire, add $114.15 list to No Power

2. **Power Location Option:**
   - N None
   - H One flip top per horizontal top (cutout only)

3. **Vertical End Position:**
   - L Left-handed
   - R Right-handed

2. **Wood finish color.**
3. **Inlay trim color.**
   - Anodized Matte – ZA-MT
**Workwall – Portal – Laminate**

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*Upcharge for Hardwire Option.

**Features**
- Includes 3"(76mm) thick laminate horizontal with trim covers and attachment hardware.
- Removable trim covers with anodized aluminum inlay.
- If power option (3) or (4) is specified, a jumper is included and runs through portal.
- If hardwire power (C) is specified, flexible conduit is field supplied.

**Specification Tips**
- Must be used between two 92 1/2"(2350mm) high workwall vertical elements (for use with portal) of same depth. (Not for attachment to a workwall shell.)
- Backer not for use with workwall portal.
- Must separately specify components:
  - Workwall vertical element (for use with a portal) of matching depth.
  - Do not mix 3-circuit with 4-circuit components.

**Note:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

**To Order, Specify:**
1) Product number, including:
   - **Power Option:**
     - N None
     - 3 8-wire, 3-circuit
     - 4 8-wire, 4-circuit
     - C Hardwire:
       - 22", add $154.74 list to No Power
       - 42", add $309.48 list to No Power
   2) Laminate surface color.
   3) Edge trim color.
   4) Inlay trim color.
   - Anodized Matte – ZA-MT
**NOTES:**

Some building codes may restrict use of heights greater than 69" (1753mm). Consult your local code authority to assure that the furniture layout is compliant prior to installation.

*22" (559mm) deep workwall shell application may require anchoring. Call Sales Engineering for information.*

---

<table>
<thead>
<tr>
<th>Depth</th>
<th>Width (mm)</th>
<th>Number</th>
<th>Wood Group A No Power</th>
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<th>Wood Group B No Power</th>
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</table>

*Upcharge for Hardwire Option.*

**Features**

- Includes 3"(76mm) thick wood veneer horizontal with trim covers and attachment hardware.
- Removable trim covers with anodized aluminum inlay.
- If power option (3) or (4) is specified, a jumper is included and runs through portal.
- If hardwire power (C) is specified, flexible conduit is field supplied.

**Specification Tips**

- Must be used between two 92 1/2" (2350mm) high workwall vertical elements (for use with portal) of same depth. (Not for attachment to a workwall shell.)
- Backer not for use with workwall portal.
- Must separately specify components: Workwall vertical element (for use with a portal) of matching depth.
- Do not mix 3-circuit with 4-circuit components.

**Note:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

---

**To Order, Specify:**

1) **Product number**, including:
   - **Power Option:**
     - N None
     - 3 8-wire, 3-circuit
     - 4 8-wire, 4-circuit
     - C Hardwire: 22", add $154.74 list to No Power 42", add $309.48 list to No Power

2) Wood finish color.
3) Inlay trim color.
   - Anodized Matte – ZA-MT
# Workwall – Vertical Element – Laminate

(For use with Reference Top, Reference Return and Portal)

## Specification Tips
- Vertical element must be used with workwall reference top, reference return or portal of matching depth.
- 44 1/2” high workwall vertical element (for use with reference top or return) must be used with same height workwall reference tops and reference returns.
- 92 1/2” workwall vertical element (for use with portal) must be used with same depth workwall portals.
- Refer to Specification Guide Electrical Applications for additional information.
- 3- and 4-circuit options; separately specify:
  - Power infeeds
  - Workwall reference top, reference return or portal
  - Duplex receptacles
  - Data Blank Cover, if needed
- Do not mix 3-circuit with 4-circuit components.

## Features
- Includes 3” (76mm) thick laminate vertical with trim covers, glide sleeves and attachment hardware.
- Removable trim cover with anodized aluminum inlay.
- Optional workwall backer is ordered separately.
- If power location options (D), (Q) or (Z) are specified:
  - If desk height power location option (D) or (Q) is specified, vertical includes cutout for power access.
  - If vertical base power location option (R) or (K) is specified, vertical includes cutout for power access.
- Power options:
  - (3) or (4) circuit power option includes PDA, 4-port splitter, jumpers and bezel.
  - Hardwire (C) — Includes J-box, two duplex receptacles, bezel and access door cover in matching laminate; flexible metal conduit is field supplied.
- If power option specified, power access location:
  - 22” (559mm) deep vertical — power access is centered
  - 42” (1067mm) deep vertical — two power access locations centered 11” (279mm) in from each vertical edge
- Workwall vertical elements have shelf inserts on one side and shelf pins, refer to Specification Guide for locations.
- Adjustable glides: 1 1/2” (38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

## To Order, Specify:
1) Product number, including:
   - **Backer Option:**
     - Y Yes (predrilled holes only)
     - N No
   - **Power Option:**
     - N None
     - 8-wire, 3-circuit
     - 8-wire, 4-circuit
     - C Hardwire: 22”, add $258.80 list to No Power
     - 42”, add $517.61 list to No Power
   - **Power Location Option:**
     - N None
     - R Vertical base (one side/inside)
     - D Vertical desk height (one side/inside)
     - K Vertical base (back-to-back)
     - J Vertical base (one side/outside)
     - Q Vertical desk height (one side/outside)
     - Z Vertical desk height (back-to-back)
   - **Vertical End Position:**
     - D Centered left
     - E Centered right

2) Laminate surface color.
3) Edge trim color.
4) Inlay trim color.
5) Trim Colors:
   - 3- or 4-circuit
   - Bezel trim color (non-metallic only)
   - Hardwire
   - Bezel/Receptacle trim color
   - Gray Tone – TR-G*
   - White – TR-W*
   *

## Notes:
- Supplier colors

## Prices

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Number</th>
<th>Laminate No Power*</th>
<th>Laminate Power</th>
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</thead>
<tbody>
<tr>
<td>44 1/2”</td>
<td>22”</td>
<td>RQVA-4400-40L</td>
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<td>42”</td>
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<td>RQVE-4400-40L</td>
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</table>

*Upcharge for Hardwire Option.

## NOTE:
Some building codes may restrict use of heights greater than 69” (1753mm). Consult your local code authority to assure that the furniture layout is compliant prior to installation.
Workwall – Vertical Element – Wood
(For use with Reference Top, Reference Return and Portal)

NOTE:
Some building codes may restrict use of heights greater than 69″ (1753mm). Consult your local code authority to assure that the furniture layout is compliant prior to installation.

### Features
- Includes 3"(76mm) thick wood veneer vertical with trim covers, glide sleeves and attachment hardware.
- Removable trim cover with anodized aluminum inlay.
- Optional workwall backer is ordered separately.
- If power location options (D), (Q) or (Z) are specified:
  - If desk height power location option (D), (Q) or (Z) is specified, vertical includes cutout for power access.
  - If vertical base power location option (R), (J) or (K) is specified, vertical includes cutout for power access.
- Power options:
  - (3) or (4) circuit power option includes PDA, 4-port splitter, jumpers and bezel.
  - Hardwire (C) — Includes J-box, two duplex receptacles, bezel and access door cover in matching wood veneer; flexible metal conduit is field supplied.
- If power option specified, power access location:
  - 22″ (559mm) deep vertical — power access is centered
  - 42″ (1067mm) deep vertical — two power access locations centered 11" (279mm) in from each vertical edge
- Workwall vertical elements have shelf pin inserts on one side and shelf pins, refer to Specification Guide for locations.
- Adjustable glides: 1 1/2″ (38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

### Specification Tips
- Vertical element must be used with workwall reference top, reference return or portal.
- 44 1/2″ high workwall vertical element (for use with reference tops or returns) must be used with same height workwall reference tops and reference returns.
- 92 1/2″ (2350mm) workwall vertical element (for use with portal) must be used with same depth workwall portals.
- Refer to Specification Guide Electrical Applications for additional information.
- 3- and 4-circuit options; separately specify:
  - Power infeeds
    - Workwall reference top, reference return or portal
    - Duplex receptacles
  - Data Blank Cover, if needed
- Do not mix 3-circuit with 4-circuit components.

### To Order, Specify:
1) **Backer Option:**
   - Y Yes (predrilled holes only)
   - N No

2) **Power Option:**
   - N None
   - 8-wire, 3-circuit
   - 8-wire, 4-circuit
   - Hardwire
     - 22″, add $258.80 list to No Power
     - 42″, add $517.61 list to No Power

3) **Power Location Option:**
   - N None
   - Vertical base (one side/inside)
   - Vertical desk height (one side/inside)
   - Vertical desk height (one side/outside)
   - Vertical desk height (back-to-back)
   - Vertical base (back-to-back)

4) **Vertical End Position:**
   - D Centered left
   - E Centered right

2) **Wood finish color.**
3) **Inlay trim color.**
   - Anodized Matte – ZA-MT
4) **Trim Colors:**
   - 3- or 4-circuit
     - Bezel trim color (non-metallic only)
     - Bezel/Receptacle trim color
   - Hardwire
     - Gray Tone – TR-G*
     - White – TR-W*

*Note: Supplier colors

### Workwall – Vertical Element – Wood

<table>
<thead>
<tr>
<th>Height</th>
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<th>Number</th>
<th>Wood Group A</th>
<th>Wood Group B</th>
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<th>Wood Group B</th>
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*Upcharge for Hardwire Option.

Class PT
Canadian Conversion Factor: Refer to haworth.com/Canada
February 2020 / N.A. 33
### Workwall – Credenza Top – Laminate

<table>
<thead>
<tr>
<th>Depth</th>
<th>Actual Depth</th>
<th>Width</th>
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<th>(S) Laminate Price</th>
<th>(M) Laminate Price</th>
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<tbody>
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<td>22&quot;(559mm)</td>
<td>18 5/8&quot;(474mm)</td>
<td>72&quot;(1829mm)</td>
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</table>

**Note:** Product number with code C0 = 120"(3048mm).

**Features**
- Includes one 1 3/16"(30mm) or 2"(51mm) thick laminate worksurface, end support brackets and intermediate support brackets.
- Workwall credenza tops have 3mm edgeband on all four sides.
- Optional grommets (2) are 2 3/4"(70mm) round with cover. Refer to Specification Guide for locations.
- Workwall credenza top attaches into workwall vertical ends and mounting rail.
- Workwall credenza brackets allow credenza mounting heights:
  - 1 3/16"(30mm) thick top – 25 1/2"(648mm) and 29"(737mm).
  - 2"(51mm) thick top – 25 1/2"(648mm), 29"(737mm) and 30"(762mm). (Refer to Specification Guide for additional applications.)
- Workwall credenza support brackets are Metallic Champagne.
- Workwall credenza top can be used with or without workwall backer.

**Specification Tips**
- **For use within workwall application only.**
- Workwall credenza top width must match workwall internal width.
- One workwall credenza top may be used within a 22"(559mm) deep workwall.
- One workwall credenza top may be used per side of 42"(1067mm) deep workwall.
- Open space between back edge of workwall credenza top and workwall backer/stabilizer:
  - 22"(559mm) deep workwall – 1 3/8"(35mm) open space.
  - 42"(1067mm) deep workwall – 1 7/8"(48mm) open space.
- Workwall tackboard specification eliminates open space behind credenza top and grommets must be specified to route power and communication cables.
- Workwall credenza top cannot be used with floor supported shelves when mounted at standard height.
- Various workwall credenza top heights will allow clearance for different storage heights. Refer to Specification Guide.
- Workwall credenza top will accommodate the attachment of either a floating or flush mount worksurface application.

**To Order, Specify:**
1) Product number, including:
1. **Core Option:**
   - S Standard 1 3/16" thick
   - M Standard 2" thick
2. **Grommet Option:**
   - C No grommet
   - G Grommets (2), add $100.80 list
2) Laminate surface color.
3) Edgeband trim color.
4) Grommet trim color.
   - Plaster – TR-TW
   - Metallic trim colors, add $9.93 list
Workwall – Credenza Top – Wood

<table>
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<tr>
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<th>Actual Depth</th>
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<th>Number</th>
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<tbody>
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Note: Product number with code C0 = 120"(3048mm).

Features
- Includes one 1 3/16"(30mm) or 2"(51mm) thick wood veneer worksurface, end support brackets and intermediate support bracket.
- Workwall credenza tops have 3mm edgeband on all four sides
- Optional grommets (2) are 2 3/4"(70mm) round with cover. Refer to Specification Guide for locations.
- Workwall credenza top attaches into workwall vertical ends and mounting rail.
- Workwall credenza brackets allow credenza mounting heights:
  - 1 3/16"(30mm) thick top – 25 1/2"(648mm) and 29"(737mm).
  - 2"(51mm) thick top – 25 1/2"(648mm), 29"(737mm) and 30"(762mm).
- Workwall credenza support brackets are Metallic Champagne.
- Workwall credenza top can be used with or without workwall backer.

Specification Tips
- For use within workwall application only.
- Workwall credenza top width must match workwall internal width.
- One workwall credenza top may be used within a 22"(559mm) deep workwall.
- One workwall credenza top may be used per side of 42"(1067mm) deep workwall.
- Open space between back edge of workwall credenza top and workwall backer/stabilizer:
  - 22"(559mm) deep workwall – 1 3/8"(35mm) open space.
  - 42"(1067mm) deep workwall – 1 7/8"(48mm) open space.
- Workwall tackboard specification eliminates open space behind credenza top and grommets must be specified to route power and communication cables.
- Workwall credenza top cannot be used with floor supported shelves when mounted at standard height.
- Various workwall credenza top heights will allow clearance for different storage heights. Refer to Specification Guide.
- Workwall credenza top will accommodate the attachment of either a floating or flush mount worksurface application.

To Order, Specify:
1) Product number, including:
   ① Core Option:
   S Standard 1 3/16” thick
   M Standard 2” thick
   ② Grommet Option:
   C No grommet
   G Grommets (2), add $100.80 list
2) Wood finish color.
3) Grommet trim color.
   Plaster – TR-TW
   Metallic trim color, add $9.93 list
Workwall Suspended Shelf – Laminate

<table>
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<th>Depth</th>
<th>Width</th>
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</table>

Note: Product number width code C0 = 120”(3048mm).

Features
- Includes 1”(25mm) thick laminate shelf or shelves with rods, flippable door and backer tracks, and installation hardware.
- Flippable track is clear.
- Anodized aluminum trim on front edge of each shelf.
- Suspended shelf rods are provided every 24”(610mm) along shelf width and provide clear width of 23.7”(602mm).
- Grommets are available for field installation if tackboards are specified. Grommets allow power plug and cord to pass through shelf. Order separately.
- Optional 16”(406mm) high doors are available, order separately.
- Optional backers are available, order separately.

Specification Tips
- Option (D) is available as top suspended shelf only (8”(203mm) down from top) and with suspended shelf counts 2 or 3.
- Suspended shelves must be full width of workwall.
- Optional suspended shelf counts (2) and (3); rows 2 and 3 shelf spacing always includes 16”(406mm) high rods.
- If other suspended shelf configuration is required in lower positions, order suspended shelf count (1) multiple times. Refer to Specification Guide.
- Maximum rows of suspended shelves per workwall:
  - 92 1/2”(2350mm) – 3 rows
  - 76 1/2”(1943mm) – 2 rows
  - 60 1/2”(1538mm) – 2 rows or 1 row with 1 row storage boxes
  - 44 1/2”(1130mm) – 2 rows or 1 row with 1 row storage boxes

To Order, Specify:
1. Product number, including:
   - Suspended Shelf Count:
     1 One shelf
     2 Two shelves
     3 Three shelves
   - Shelf Position from Top:
     D 8” (only available with suspended shelf count 2 or 3 option)
     G 16”
     J 24”
2. Laminate surface color.
3. Shelf Edge and Rod trim color.
   Anodized Matte – ZA-MT
### Workwall Suspended Shelf – Wood

<table>
<thead>
<tr>
<th>Depth</th>
<th>Width</th>
<th>Number</th>
<th>Wood Group A/B 1 shelf</th>
<th>Wood Group A/B 2 shelves</th>
<th>Wood Group A/B 3 shelves</th>
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</thead>
<tbody>
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<td>18&quot;(457mm)</td>
<td>72&quot;(1829mm)</td>
<td>RQS -0072-00W</td>
<td>$1660.89</td>
<td>$3321.78</td>
<td>$4981.24</td>
</tr>
<tr>
<td>96&quot;(2438mm)</td>
<td>RQS -0096-00W</td>
<td>2058.37</td>
<td>4116.74</td>
<td>6173.67</td>
<td></td>
</tr>
<tr>
<td>120&quot;(3048mm)</td>
<td>RQS -00C0-00W</td>
<td>2509.80</td>
<td>5021.01</td>
<td>7530.77</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Product number width code C0 = 120"(3048mm).

### Features
- Includes 1"(25mm) thick wood veneer shelf or shelves with rods, flippable door and backer tracks, and installation hardware.
- Flippable track is clear.
- Anodized aluminum trim on front edge of each shelf.
- Suspended shelf rods are provided every 24"(610mm) along shelf width and provide clear width of 23.7"(602mm).
- Grommets are available for field installation if tackboards are specified. Grommets allow power plug and cord to pass through shelf. Order separately.
- Optional 16"(406mm) high doors are available, order separately.
- Optional backers are available, order separately.

### Specification Tips
- Option (D) is available as top suspended shelf only (8"(203mm) down from top) and with suspended shelf counts 2 or 3.
- Suspended shelves must be full width of workwall.
- Optional suspended shelf counts (2) and (3); rows 2 and 3 shelf spacing always includes 16"(406mm) high rods.
- If other suspended shelf configuration is required in lower positions, order suspended shelf count (1) multiple times. Refer to Specification Guide.
- Maximum rows of suspended shelves per workwall:
  - 92 1/2"(2350mm) – 3 rows
  - 76 1/2"(1943mm) – 2 rows
  - 60 1/2"(1538mm) – 2 rows or 1 row with 1 row storage boxes
  - 44 1/2"(1130mm) – 2 rows or 1 row with 1 row storage boxes

### To Order, Specify:
1. Product number, including:
   - **Suspended Shelf Count:**
     - 1: One shelf
     - 2: Two shelves
     - 3: Three shelves
   - **Shelf Position from Top:**
     - D: 8" (only available with suspended shelf count 2 or 3 option)
     - G: 16"
     - J: 24"
2. Wood finish color.
3. Shelf Edge and Rod trim color.
   - Anodized Matte – ZA-MT

---

Class PT
Canadian Conversion Factor: Refer to haworth.com/Canada
February 2020 / N.A. 37
### Workwall Suspended Shelf – Glass

<table>
<thead>
<tr>
<th>Glass Grade A</th>
<th>Depth Width</th>
<th>Number</th>
<th>Glass 1 shelf</th>
<th>Glass 2 shelves</th>
<th>Glass 3 shelves</th>
</tr>
</thead>
<tbody>
<tr>
<td>17”(432mm)</td>
<td>72”(1829mm)</td>
<td>RQS-0072-00G</td>
<td>$2075.40</td>
<td>$4153.64</td>
<td>$6231.85</td>
</tr>
<tr>
<td>96”(2438mm)</td>
<td>RQS-0096-00G</td>
<td>2550.96</td>
<td>5104.74</td>
<td>7658.52</td>
<td></td>
</tr>
<tr>
<td>120”(3048mm)</td>
<td>RQS-00C0-00G</td>
<td>3140.09</td>
<td>6282.97</td>
<td>9415.95</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Glass Grade B</th>
<th>Depth Width</th>
<th>Number</th>
<th>Glass 1 shelf</th>
<th>Glass 2 shelves</th>
<th>Glass 3 shelves</th>
</tr>
</thead>
<tbody>
<tr>
<td>17”(432mm)</td>
<td>72”(1829mm)</td>
<td>RQS-0072-00G</td>
<td>$2582.18</td>
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<tr>
<td>96”(2438mm)</td>
<td>RQS-0096-00G</td>
<td>3185.50</td>
<td>6372.41</td>
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<tr>
<td>120”(3048mm)</td>
<td>RQS-00C0-00G</td>
<td>3868.32</td>
<td>7739.45</td>
<td>11607.73</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Product number width code C0 = 120”(3048mm).

### Features
- Includes 1/2”(13mm) thick tempered glass shelves with rods and installation hardware.
- Suspended shelf rods are provided every 24”(610mm) along shelf width and provide clear width of 23.7”(602mm).
- Provides gap for cord drop.

### Specification Tips
- Suspended shelves must be full width of workwall.
- Option (D) is available as top suspended shelf only (8”(203mm) down from top), and with suspended shelf count 2 or 3.
- Optional suspended shelf counts (2) and (3); rows 2 and 3 shelf spacing always includes 16”(406mm) high rods.
  - If other suspended shelf configuration is required in lower positions, order suspended shelf count (1) multiple times. Refer to Specification Guide.
- Maximum rows of suspended shelves per workwall:
  - 92 1/2”(2350mm) – 3 rows
  - 76 1/2”(1943mm) – 2 rows
  - 60 1/2”(1538mm) – 2 rows or 1 row with 1 row storage boxes
  - 44 1/2”(1130mm) – 2 rows or 1 row with 1 row storage boxes
- Backers and sliding doors are not available for use on workwall glass suspended shelves.

### To Order, Specify:
1. **Suspended Shelf Count:**
   - 1) Product number, including:
     - 1 One shelf
     - 2 Two shelves
     - 3 Three shelves
2. **Shelf Position from Top:**
   - D 8” (only available with suspended shelf count 2 or 3 option)
   - G 16”
   - J 24”
2. Glass surface color.
3. Rod trim color.
   - Anodized Matte–ZA-MT
## Workwall Suspended Shelf Backers

### Workwall – Suspended Shelf Backer – Laminate or Wood (For use with Workwall Suspended Shelf)

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Number</th>
<th>Laminate Price</th>
<th>Wood Group A</th>
<th>Wood Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>8” (203mm)</td>
<td>72” (1829mm)</td>
<td>RQBM-2872-40G</td>
<td>$362.00</td>
<td>$552.22</td>
<td>$586.08</td>
</tr>
<tr>
<td></td>
<td>96” (2438mm)</td>
<td>RQBM-2886-40G</td>
<td>$521.00</td>
<td>775.10</td>
<td>848.64</td>
</tr>
<tr>
<td></td>
<td>120” (3048mm)</td>
<td>RQBM-28C0-40G</td>
<td>$680.00</td>
<td>997.98</td>
<td>1111.20</td>
</tr>
<tr>
<td>16” (406mm)</td>
<td>72” (1829mm)</td>
<td>RQBM-1672-40G</td>
<td>$482.67</td>
<td>736.77</td>
<td>803.46</td>
</tr>
<tr>
<td></td>
<td>96” (2438mm)</td>
<td>RQBM-1696-40G</td>
<td>$694.19</td>
<td>1031.97</td>
<td>1151.30</td>
</tr>
<tr>
<td></td>
<td>120” (3048mm)</td>
<td>RQBM-16C0-40G</td>
<td>$905.71</td>
<td>1327.17</td>
<td>1499.14</td>
</tr>
<tr>
<td>24” (610mm)</td>
<td>72” (1829mm)</td>
<td>RQBM-2472-40G</td>
<td>$844.65</td>
<td>$1288.96</td>
<td>$1453.97</td>
</tr>
<tr>
<td></td>
<td>96” (2438mm)</td>
<td>RQBM-2496-40G</td>
<td>$1215.17</td>
<td>1805.68</td>
<td>2062.69</td>
</tr>
<tr>
<td></td>
<td>120” (3048mm)</td>
<td>RQBM-24C0-40G</td>
<td>$1585.69</td>
<td>2322.40</td>
<td>2671.41</td>
</tr>
</tbody>
</table>

**Note:** Product number with code CO = 120” (3048mm).

**Features**
- Includes multiple 24” (610mm) wide 1/4" (6mm) thick laminate or wood veneer backer pieces:
  - 72” (1829mm) – 12” (3048mm) wide backers
  - 96” (2438mm) – Four 24” (610mm) wide backers
  - 120” (3048mm) – Five 24” (610mm) wide backers
- Option (T) includes backer and flipper filler track for use in workwall suspended shelf top position and is 1” (25mm) shorter in height.
- Option (U) must be used in suspended shelf non-top positions.
- Backer reveal lines align with suspended shelving rods.

**Specification Tips**
- Suspended shelf backers:
  - can be used with or without workwall backer
  - pieces match individual suspended shelf widths and heights
  - can be installed at front or back of suspended shelf
  - mount in flippable filler track which is included with suspended shelving
- Backer not available for use on glass suspended shelves.

### Workwall – Suspended Shelf Backer – Glass (For use with Workwall Suspended Shelf)

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Number</th>
<th>Glass Grade A</th>
<th>Glass Grade C</th>
<th>White Acrylic</th>
</tr>
</thead>
<tbody>
<tr>
<td>8” (203mm)</td>
<td>72” (1829mm)</td>
<td>RQBM-2872-40G</td>
<td>$718.31</td>
<td>$1537.39</td>
<td>$897.16</td>
</tr>
<tr>
<td></td>
<td>96” (2438mm)</td>
<td>RQBM-2886-40G</td>
<td>$996.55</td>
<td>2089.59</td>
<td>1233.60</td>
</tr>
<tr>
<td></td>
<td>120” (3048mm)</td>
<td>RQBM-28C0-40G</td>
<td>$1274.79</td>
<td>2641.79</td>
<td>1570.04</td>
</tr>
<tr>
<td>16” (406mm)</td>
<td>72” (1829mm)</td>
<td>RQBM-1672-40G</td>
<td>$958.21</td>
<td>$2051.28</td>
<td>$1195.28</td>
</tr>
<tr>
<td></td>
<td>96” (2438mm)</td>
<td>RQBM-1696-40G</td>
<td>$1328.73</td>
<td>2788.08</td>
<td>1646.80</td>
</tr>
<tr>
<td></td>
<td>120” (3048mm)</td>
<td>RQBM-16C0-40G</td>
<td>$1699.25</td>
<td>3524.88</td>
<td>2098.32</td>
</tr>
<tr>
<td>24” (610mm)</td>
<td>72” (1829mm)</td>
<td>RQBM-2472-40G</td>
<td>$1677.92</td>
<td>$3592.91</td>
<td>$2093.86</td>
</tr>
<tr>
<td></td>
<td>96” (2438mm)</td>
<td>RQBM-2496-40G</td>
<td>$2325.24</td>
<td>4876.19</td>
<td>2880.34</td>
</tr>
<tr>
<td></td>
<td>120” (3048mm)</td>
<td>RQBM-24C0-40G</td>
<td>$2972.56</td>
<td>6159.47</td>
<td>3666.82</td>
</tr>
</tbody>
</table>

**Note:** Product number with code CO = 120” (3048mm).

**Features**
- Includes multiple 24” (610mm) wide 1/4" (6mm) thick tempered glass backer pieces or acrylic:
  - 72” (1829mm) – Three 24” (610mm) wide backers
  - 96” (2438mm) – Four 24” (610mm) wide backers
  - 120” (3048mm) – Five 24” (610mm) wide backers
- Option (T) includes backer and flipper filler track for use in workwall suspended shelf top position and is 1” (25mm) shorter in height.
- Option (U) must be used in suspended shelf non-top positions.
- Backer reveal lines align with suspended shelving rods.

**Specification Tips**
- Suspended shelf backers:
  - can be used with or without workwall backer
  - pieces match individual suspended shelf widths and heights
  - can be installed at front or back of suspended shelf
  - mount in flippable filler track which is included with suspended shelving
- Backer not available for use on glass suspended shelves.

**To Order, Specify:**
1. **Surface**
   - L Laminate
   - W Wood
2. **Shelf Backer Position**
   - T Top, upcharge:
     - 72”, add $123.49 list $188.81
     - 96”, add $153.32 list $209.38
   - U Non-Top
3. **Top Backer Track (option T only)**
   - Anodized Matte – ZA-MT
## Workwall – Floor Supported Shelf

### Laminate

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Width</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 1/2&quot;(650mm)</td>
<td>18&quot;(457mm)</td>
<td>72&quot;(1829mm)</td>
<td>RQSC-0072-00LN</td>
<td>$1636.88</td>
</tr>
<tr>
<td>96&quot;(2438mm)</td>
<td></td>
<td></td>
<td>RQSC-0096-00LN</td>
<td>2049.92</td>
</tr>
<tr>
<td>120&quot;(3048mm)</td>
<td></td>
<td></td>
<td>RQSC-00C0-00LN</td>
<td>2462.96</td>
</tr>
</tbody>
</table>

**Note:** Product number width code C0 = 120"(3048mm).

**Features**
- Includes two laminate 1"(25mm) thick shelves with base filler piece, 3/4"(19mm) thick laminate shelf dividers, flippable door tracks and attachment hardware.
- Base filler piece standard in champagne.
- Floor supported shelf attaches to workwall stabilizer.
- Floor supported base is 8"(203mm) high.
- Inside dimensions:
  - Height: 16"(406mm)
  - Depth: 17"(432mm)
  - Shelf dividers: 23 1/4"(591mm) apart
- Grommets are available for field installation, order separately.
- Ships unassembled.

**Specification Tips**
- Optional doors can be ordered separately.
- Floor supported shelves are used within workwall with matching width.
- Floor supported shelves provide surface height of 25 1/2"(648mm) to accommodate a floating rectangular convergent worksurface or other Compose worksurface options.
- Worksurface attachment brackets are separately specified.
- **Floor supported shelf not for use with workwall credenza top.**

### Wood

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Width</th>
<th>Number</th>
<th>Wood Group A</th>
<th>Wood Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 1/2&quot;(650mm)</td>
<td>18&quot;(457mm)</td>
<td>72&quot;(1829mm)</td>
<td>RQSC-0072-00WN</td>
<td>$3354.03</td>
<td>$3520.31</td>
</tr>
<tr>
<td>96&quot;(2438mm)</td>
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<td></td>
<td>RQSC-0096-00WN</td>
<td>4213.95</td>
<td>4535.27</td>
</tr>
<tr>
<td>120&quot;(3048mm)</td>
<td></td>
<td></td>
<td>RQSC-00C0-00WN</td>
<td>5073.87</td>
<td>5550.23</td>
</tr>
</tbody>
</table>

**Note:** Product number width code C0 = 120"(3048mm).

**Features**
- Includes two wood veneer 1"(25mm) thick shelves with base filler piece, 3/4"(19mm) thick wood veneer shelf dividers, flippable door tracks and attachment hardware.
- Surface includes anodized aluminum edge inlays.
- Base filler piece is standard in champagne.
- Floor supported shelf attaches to workwall stabilizer.
- Floor supported base is 8"(203mm) high.
- Inside dimensions:
  - Height: 16"(406mm)
  - Depth: 17"(432mm)
  - Shelf dividers: 23 1/4"(591mm) apart
- Grommets are available for field installation, order separately.
- Ships unassembled.

**Specification Tips**
- Optional doors can be ordered separately.
- Floor supported shelves are used within workwall with matching width.
- Floor supported shelves provide surface height of 25 1/2"(648mm) to accommodate a floating rectangular convergent worksurface or other Compose worksurface options.
- Worksurface attachment brackets are separately specified.
- **Floor supported shelf not for use with workwall credenza top.**

To Order, Specify:
1) Product number.
2) Laminate surface color.
3) Divider edge trim color.
4) Base/shelf edge trim color
   - Anodized Matte – ZA-MT
Workwall – Sliding Doors – Laminate
(For use with Workwall Suspended Shelves and Floor Supported Shelves)

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Number</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>Laminate Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16” (406 mm)</td>
<td>72” (1829 mm)</td>
<td>RQDL-1672-00L</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>96” (2438 mm)</td>
<td>RQDL-1696-00L</td>
<td>8</td>
<td></td>
<td>$513.87</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120” (3048 mm)</td>
<td>RQDL-16C0-00L</td>
<td>8</td>
<td></td>
<td>$721.64</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Product number width code C0 = 120” (3048 mm).

Features
- Includes laminate sliding door set with pull.
- Nominal door height is 15 1/2” (394 mm).
- Option (M):
  - 72” (1829 mm) – three 24” (610 mm) wide doors.
  - 96” (2438 mm) – four 24” (610 mm) wide doors.
  - 120” (3048 mm) – five 24” (610 mm) wide doors.
- Option (T) includes a top flippable door track and housing and must be used in suspended shelf top position.
- Option (U) must be used in suspended shelf non-top position.
- Bar pulls are anodized aluminum.
- Optional door lock(s) is available in black or chrome, refer to Specification Guide for lock location and quantity.
- For lock options, refer to Lock Program section of the Accessories Price List.
- Refer to Specification Guide for door opening dimensions.
- Ships assembled.

Specification Tips
- For use on each row of Workwall 16” (406 mm) high suspended shelves and floor supported shelves only.
- Suspended shelf backer or workwall backer is recommended when ordering suspended shelf sliding doors.
- Doors must match individual suspended shelf widths and 16” (406 mm) height.
- Door mounts into flippable door filler track which is included with workwall suspended shelving and floor supported shelf.
- Sliding doors not available for use on glass shelves.

To Order, Specify:
1) Product number, including:
   - **Shelf Position:**
     - T: Top, upcharge: 72”, add $120.50 list 96”, add $152.36 list 120”, add $184.22 list
     - U: Non-top position
   - **Lock Option:**
     - L: Locking, add $47.08 list
     - N: Non-locking
   - **Door Set Pieces:**
     - M: Multiple 24” wide doors, add $105.28 list

2) Laminate surface color.
3) Pull finish color.
   - Anodized Matte – ZA-MT
4) Top Door Track trim color (shelf option T only).
   - Anodized Matte – ZA-MT
5) Lock Plug finish color.
   - Black – LR-BL
   - Chrome – LR-BP
Workwall – Sliding Doors – Wood

For use with Workwall Suspended Shelves and Floor Supported Shelves

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Number</th>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot; (406mm)</td>
<td>72&quot; (1829mm)</td>
<td>RQDL-1672-00W</td>
<td>$756.28</td>
<td>$799.20</td>
</tr>
<tr>
<td>96&quot; (2438mm)</td>
<td>RQDL-1696-00W</td>
<td></td>
<td>1045.77</td>
<td>1103.92</td>
</tr>
<tr>
<td>120&quot; (3048mm)</td>
<td>RQDL-16C0-00W</td>
<td></td>
<td>1335.26</td>
<td>1408.64</td>
</tr>
</tbody>
</table>

Note: Product number width code C0 = 120" (3048mm).

Features
- Includes wood veneer sliding door set with pull.
- Nominal door height is 15 3/8" (391mm).
- Option (M):
  - 72" (1829mm) – three 24" (610mm) wide doors.
  - 96" (2438mm) – four 24" (610mm) wide doors.
  - 120" (3048mm) – five 24" (610mm) wide doors.
- Option (T) includes a top flippable door track and housing and must be used in suspended shelf top position.
- Option (U) must be used in suspended shelf non-top position.
- Bar pulls are anodized aluminum.
- Optional door lock(s) is available in black or chrome, refer to Specification Guide for lock location and quantity.
- For lock options, refer to Lock Program section of the Accessories Price List.
- Refer to Specification Guide for door opening dimensions.
- Ships assembled.

Specification Tips
- For use on each row of Workwall 16" (406mm) high suspended shelves and floor supported shelves only.
- Suspended shelf backer or workwall backer is recommended when ordering suspended shelf sliding doors.
- Doors must match individual suspended shelf widths and 16" (406mm) height.
- Door mounts into flippable door filler track which is included with workwall suspended shelving and floor supported shelf.
- Sliding doors not available for use on glass shelves.

To Order, Specify:
1) Product number, including:
   - Shelf Position:
     - T Top, upcharge:
       - 72", add $120.50 list
       - 96", add $152.36 list
       - 120", add $184.22 list
   - U Non-top position
2) Lock Option:
   - L Locking, add $47.08 list
   - N Non-locking
3) Door Set Pieces:
   - 2 Two half-width doors
   - M Multiple 24" wide doors, add $105.28 list

2) Wood finish color.
3) Pull finish color.
   - Anodized Matte – ZA-MT
4) Top Door Track trim color (shelf option T only):
   - Anodized Matte – ZA-MT
5) Lock Plug finish color.
   - Black – LR-BL
   - Chrome – LR-BP
Workwall – Sliding Doors – Glass
(For use with Workwall Suspended Shelves and Floor Supported Shelves)

<table>
<thead>
<tr>
<th>Width</th>
<th>Number</th>
<th>Glass Grade</th>
<th>A</th>
<th>C</th>
<th>F</th>
<th>White Acrylic</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot;(406mm) Height</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>72&quot;(1829mm)</td>
<td>RQDL-1672-00G</td>
<td>B</td>
<td>$ 977.90</td>
<td>$1209.20</td>
<td>$1674.59</td>
<td>$1208.06</td>
</tr>
<tr>
<td>96&quot;(2438mm)</td>
<td>RQDL-1696-00G</td>
<td>B</td>
<td>1340.80</td>
<td>1651.04</td>
<td>2268.81</td>
<td>1643.73</td>
</tr>
<tr>
<td>120&quot;(3048mm)</td>
<td>RQDL-16C0-00G</td>
<td>B</td>
<td>1703.70</td>
<td>2092.88</td>
<td>2863.03</td>
<td>2079.40</td>
</tr>
</tbody>
</table>

Note: Product number width code C0 = 120"(3048mm).

Features
- Includes glass or acrylic sliding door set with pull.
- Nominal door height is 15 3/8"(391mm).
- Option (M):
  - 72"(1829mm) – three 24"(610mm) wide doors.
  - 96"(2438mm) – four 24"(610mm) wide doors.
  - 120"(3048mm) – five 24"(610mm) wide doors.
- Option (T) includes a top flippable door track and housing and must be used in suspended shelf top position.
- Option (U) must be used in suspended shelf non-top position.
- Bar pulls are anodized aluminum.
- Optional door lock(s) is available in black or chrome, refer to Specification Guide for lock location and quantity.
- For lock options, refer to Lock Program section of the Accessories Price List.
- Refer to Specification Guide for door opening dimensions.
- Ships assembled.

Specification Tips
- For use on each row of Workwall 16"(406mm) high suspended shelves and floor supported shelves only.
- Glass workwall sliding doors cannot be retrofitted with locks.
- Suspended shelf backer or workwall backer is recommended when ordering suspended shelf sliding doors.
- Doors must match individual suspended shelf widths and 16"(406mm) height.
- Door mounts into flippable door filler track which is included with workwall suspended shelving and floor supported shelf.
- Sliding doors not available for use on glass shelves.

To Order, Specify:
1) Product number, including:
   - Shelf Position:
     - T Top, upcharge: 72", add $120.50 list 96", add $152.36 list 120", add $184.22 list
     - U Non-top position
   - Lock Option:
     - L Locking, add $47.08 list
     - N Non-locking
   - Door Set Pieces:
     - M Two half-width doors
   - Bar finish color.
     - Anodized Matte – ZA-MT
   - 2) Glass/acrylic surface color.
   - 3) Pull finish color.
     - Anodized Matte – ZA-MT
   - 4) Top Door Track trim color (shelf option T only).
     - Anodized Matte – ZA-MT
   - 5) Lock Plug finish color.
     - Black – LR-BL
     - Chrome – LR-BP

Class PT
Canadian Conversion Factor: Refer to haworth.com/Canada
February 2020 / N.A.
Workwall – Wire Manager

<table>
<thead>
<tr>
<th>Height</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot; (406mm)</td>
<td>RQAW-1600-PV</td>
<td>$45.42</td>
</tr>
<tr>
<td>24&quot; (610mm)</td>
<td>RQAW-2400-PV</td>
<td>$59.68</td>
</tr>
<tr>
<td>32&quot; (813mm)</td>
<td>RQAW-3200-PV</td>
<td>$73.86</td>
</tr>
</tbody>
</table>

Features
- Includes one wire manager with removable cover for cord management.
- Attaches to workwall vertical end shelf pin.
- Inside space: 1/2" (13mm) deep x 1 1/2" (38mm) wide

To Order, Specify:
1) Product number.
2) Trim color.
   Anodized Matte – ZA-MT
### Workwall – Tackboards

#### Features
- Includes tackboard, attachment rail and mounting brackets.
- Tackboards have fabric on both sides for applications without backer or for glass workwall backer.
- Workwall tackboard mounting brackets attach into workwall stabilizer mounting rail.
- 36”(914mm), 48”(1219mm) and 60”(1524mm) workwall tackboards can be repositioned within internal width of workwall shell – (U) option only.
- 72”(1829mm), 96”(2438mm) and 120”(3048mm) workwall tackboards are two half width pieces to fill full width of workwall.
- Option (U) tackboard position must be used when tackboard is under suspended shelf.
- Option (T) tackboard position must be used when tackboard is above suspended shelf or no suspended shelf specified.

#### Specification Tips
- Tackboards can be used with 44”(1118mm) and 60”(1524mm) high workwall with glass suspended shelving.
- Due to top rail length:
  - 36”(914mm) wide tackboard in top position can only be used in 72”(1829mm) wide workwall,
  - 48”(1219mm) wide tackboard in top position can only be used in 96”(2438mm) wide workwall,
  - 60”(1524mm) wide tackboard in top position can only be used in 120”(3048mm) wide workwall.
- Tackboard can be used to fill space between:
  - horizontal and credenza top or floor supported shelf
  - lowest position suspended shelf and credenza top or floor supported shelf
  - suspended shelf and suspended shelf.
- 16”(406mm) high tackboard is designed for use with 44 1/2”(1130mm) high workwall in top position.
- 32”(813mm) high tackboard is designed for use with 60 1/2”(1537mm) high workwall in top position.
- For other workwall heights, option (U) must be specified along with a suspended shelf.
- If tackboard is mounted with a credenza top, no cord drop is available and grommet should be specified in credenza top.

#### To Order, Specify:

1) **Product number, including:**
   - **Tackboard Position:**
     - T Top Position, add $144.76 list
     - U Non-top Position
   - **Mounting Option:**
     - S Floor Supported Shelf
     - C Credenza, add $180.96 list
2) **Fabric surface and color.**
3) **Attachment and top rail trim color.** Anodized Matte – ZA-MT

---

### Workwall – Tackboards – Double Sided

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Number</th>
<th>Fabric Grade</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>16”(406mm)</td>
<td>36”(914mm)</td>
<td>RQIT-1636-00F</td>
<td>2</td>
<td>$445.44</td>
<td>$464.94</td>
<td>$470.49</td>
<td>$474.67</td>
<td>$503.90</td>
<td>$534.53</td>
<td>$552.63</td>
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<tr>
<td>48”(1219mm)</td>
<td>RQIT-1648-00F</td>
<td>2</td>
<td>$473.28</td>
<td>$494.16</td>
<td>$499.74</td>
<td>$503.90</td>
<td>$534.53</td>
<td>$569.33</td>
<td>$587.41</td>
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<tr>
<td>60”(1524mm)</td>
<td>RQIT-1660-00F</td>
<td>2</td>
<td>$503.90</td>
<td>$526.16</td>
<td>$531.74</td>
<td>$535.92</td>
<td>$567.94</td>
<td>$605.52</td>
<td>$623.64</td>
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<tr>
<td>72”(1829mm)</td>
<td>RQIT-1672-00F</td>
<td>2</td>
<td>$895.06</td>
<td>$932.64</td>
<td>$943.76</td>
<td>$953.52</td>
<td>$1009.20</td>
<td>$1074.62</td>
<td>$1109.42</td>
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</tr>
<tr>
<td>96”(2438mm)</td>
<td>RQIT-1696-00F</td>
<td>2</td>
<td>$947.95</td>
<td>$988.33</td>
<td>$1000.84</td>
<td>$1009.20</td>
<td>$1069.06</td>
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<tr>
<td>120”(3048mm)</td>
<td>RQIT-16C0-00F</td>
<td>2</td>
<td>$1006.42</td>
<td>$1049.57</td>
<td>$1063.49</td>
<td>$1070.43</td>
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<tr>
<td>24”(610mm)</td>
<td>36”(914mm)</td>
<td>RQIT-2436-00F</td>
<td>2</td>
<td>$513.65</td>
<td>$535.92</td>
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<td>$547.05</td>
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<td>$618.05</td>
<td>$636.14</td>
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<td>48”(1219mm)</td>
<td>RQIT-2448-00F</td>
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<td>$544.28</td>
<td>$567.94</td>
<td>$574.91</td>
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<td>$613.87</td>
<td>$654.24</td>
<td>$675.13</td>
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<tr>
<td>60”(1524mm)</td>
<td>RQIT-2460-00F</td>
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<td>$577.68</td>
<td>$602.74</td>
<td>$609.71</td>
<td>$615.27</td>
<td>$652.86</td>
<td>$693.23</td>
<td>$716.88</td>
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<tr>
<td>72”(1829mm)</td>
<td>RQIT-2472-00F</td>
<td>2</td>
<td>$1028.68</td>
<td>$1071.85</td>
<td>$1085.75</td>
<td>$1094.12</td>
<td>$1160.93</td>
<td>$1236.09</td>
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<tr>
<td>96”(2438mm)</td>
<td>RQIT-2496-00F</td>
<td>2</td>
<td>$1091.34</td>
<td>$1137.26</td>
<td>$1152.57</td>
<td>$1160.93</td>
<td>$1231.92</td>
<td>$1312.65</td>
<td>$1353.02</td>
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<tr>
<td>120”(3048mm)</td>
<td>RQIT-24C0-00F</td>
<td>2</td>
<td>$1158.13</td>
<td>$1206.87</td>
<td>$1222.17</td>
<td>$1233.31</td>
<td>$1307.09</td>
<td>$1390.60</td>
<td>$1436.54</td>
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</table>

Note: Product number width code C0 = 120”(3048mm).

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Haworth
Canadian Conversion Factor: Refer to haworth.com/Canada
February 2020 / N.A.
## Workwall To Compose Power Harness

<table>
<thead>
<tr>
<th>Length</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>56” (1422mm)</td>
<td>RQEH-0056-3</td>
<td>$291.01</td>
</tr>
</tbody>
</table>

**Features**
- Includes 3-circuit modular connector heads for connection between Patterns and adjacent Power Base Compose panel.
- 3-circuit power harness includes eight 12-gauge wires for up to three 20-amp circuits of power.
- Refer to Specification Guide for planning information.

**Specification Tips**
- Refer to Specification Guide for powering Patterns to Compose or Compose to Patterns.
- For use with 120 volt, 60 hertz power sources.
- Compose panel must be attached to Patterns when routing power with separately specified Compose wall bracket.
- Requires field cutting of vertical trim.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.
- Refer to Specification Guide for planning information.

**Notes:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.

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## 4-Circuit

<table>
<thead>
<tr>
<th>Length</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>56” (1422mm)</td>
<td>2+2 RQEH-0056-2</td>
<td>$291.01</td>
</tr>
<tr>
<td>56” (1422mm)</td>
<td>3+1 RQEH-0056-4</td>
<td>291.01</td>
</tr>
</tbody>
</table>

**Features**
- Includes 4-circuit modular connector heads for connection between Patterns and adjacent Power Base Compose panel.
- 4-circuit power harness includes six 12-gauge, two 10-gauge wires for up to four 20-amp circuits of power.
- Refer to Specification Guide for planning information.

**Specification Tips**
- Refer to Specification Guide for powering Patterns to Compose or Compose to Patterns.
- For use with 120 volt, 60 hertz power sources.
- Compose panel must be attached to Patterns when routing power with separately specified Compose wall bracket.
- Requires field cutting of vertical trim.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.
- Refer to Specification Guide for planning information.

**Notes:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.
### Load Distribution Floor Anchor Plate

<table>
<thead>
<tr>
<th>Length</th>
<th>Width</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.1” (485mm)</td>
<td>1.5” (38mm)</td>
<td>RQAL-2200</td>
<td>$124.94</td>
</tr>
<tr>
<td>39.1” (993mm)</td>
<td>1.5” (38mm)</td>
<td>RQAL-4200</td>
<td>$124.94</td>
</tr>
</tbody>
</table>

**Features**
- Includes one load distribution bar, two glide retention clips and two set screws.
- Includes one plate.
- Can be used in raised floor application to assist with workwall weight distribution.
- Standard in black.

**Specification Tips**
- Specify to match depth of workwall shell vertical or workwall vertical element.
- Fits inside glide sleeve of vertical.
- For use with single 22” (559mm) wide workwall shell application without attached rectangular convergent worksurface.
- May be required foranchoring workwalls in seismic zones based on application and review of site plants by code officials.
- May be required for anchor some 22” (559mm) and 42” (1067mm) deep workwalls. Contact Sales Engineering for review of workwall applications for evaluation.

**To Order, Specify:**
1) Product number.
(No finish specification required.)

### Tie Bracket Kit – Compose Glass Stack

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” (51mm) high</td>
<td>VZCQ-0000</td>
<td>$177.68</td>
</tr>
</tbody>
</table>

**Feature**
- Includes:
  - 8 brackets
  - 8 screws (Patterns Workwall attachment)
  - 8 screws (drywall attachment)
- Standard in black finish

**Specification Tips**
- For use with Compose Glass Stack mounted adjacent to Patterns Workwall or drywall.
- One kit required per glass stack.

**To Order, Specify:**
1) Product number.
(No finish specification required.)
## Wall Mount

### Features
- Includes attachment hardware.
- For mounting panels, with or without stack, to Patterns.
- Black finish.

### Specification Tip
- Must be properly anchored to Patterns workwall vertical end.

### To Order, Specify:
1) Product number. (No finish specification required.)

### Wall Mount Prices

<table>
<thead>
<tr>
<th>Height</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fits all heights</td>
<td>VZCW-0000-P</td>
<td>$89.87</td>
</tr>
</tbody>
</table>

## Glass Wall Mount

### Features
- Includes wall mount channel and attachment hardware.
- For mounting glass panels to Patterns.
- Black finish.

### Specification Tip
- Must be properly anchored to Patterns workwall vertical end.

### To Order, Specify:
1) Product number. (No finish specification required.)

### Glass Wall Mount Prices

<table>
<thead>
<tr>
<th>Height</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>42&quot; (1067mm)</td>
<td>VZCW-4200-G</td>
<td>$91.57</td>
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<td>50&quot; (1270mm)</td>
<td>VZCW-5000-G</td>
<td>94.26</td>
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<tr>
<td>58&quot; (1473mm)</td>
<td>VZCW-5800-G</td>
<td>96.94</td>
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<tr>
<td>66&quot; (1676mm)</td>
<td>VZCW-6600-G</td>
<td>99.62</td>
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<tr>
<td>74&quot; (1880mm)</td>
<td>VZCW-7400-G</td>
<td>102.29</td>
</tr>
</tbody>
</table>

## Workwall – Vertical End Trim

### Feature
- Includes trim with inlay and attachment hardware.

### Specification Tip
- For use when replacing workwall end trim; specify appropriate height.

### To Order, Specify:
1) Product number.
2) Laminate or wood edge trim color.
3) Inlay trim color.
   - Anodized Matte - ZA-MT

### Workwall – Vertical End Trim Prices

<table>
<thead>
<tr>
<th>Width</th>
<th>Height</th>
<th>Number</th>
<th>Laminate</th>
<th>Wood Group A</th>
<th>Wood Group B</th>
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<tbody>
<tr>
<td>3&quot; (76mm)</td>
<td>44 1/2&quot; (1130mm)</td>
<td>RQRF-4400-40</td>
<td>E</td>
<td>$317.71</td>
<td>$393.61</td>
</tr>
<tr>
<td>60 1/2&quot; (1537mm)</td>
<td>RQRF-6000-40</td>
<td>E</td>
<td>383.79</td>
<td>459.69</td>
<td>577.76</td>
</tr>
<tr>
<td>76 1/2&quot; (1943mm)</td>
<td>RQRF-7600-40</td>
<td>E</td>
<td>449.87</td>
<td>525.77</td>
<td>664.91</td>
</tr>
<tr>
<td>92 1/2&quot; (2350mm)</td>
<td>RQRF-9200-40</td>
<td>E</td>
<td>515.95</td>
<td>591.85</td>
<td>752.06</td>
</tr>
</tbody>
</table>
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**Features**

- Includes 3”(76mm) thick laminate horizontal top(s) and 3”(76mm) thick laminate vertical ends with trim covers, glide sleeves and attachment hardware.
- Removable trim covers with anodized aluminum inlay.
- Studio tables 153”(3886mm) wide and greater have one 3”(76mm) vertical mid-support at center. Refer to Specification Guide for location.
- Studio tables 63”(1600mm) deep are two 30”(762mm) deep studio tables allowing a 3”(76mm) gap for top feed, wire management or privacy screen clearance.
- Power Option (N) is to be specified with Power Location (N). NOTE: Verticals cannot be retrofitted for power.
- Power location (R) includes power in each vertical
  - 3- or 4-circuit (3) (4) includes PDA (Power Distribution Assembly) 4-port splitter, jumpers and bezel
  - Hardwire (C) includes J-box, two duplex receptacles, bezel and access door cover in matching laminate; flexible metal conduit is field supplied.
- Power location (H)
  - Single circuit (1) includes one cutout - no power
  - 3- or 4-circuit (3) (4) includes splitter(s) and jumper for one separately specified flip top unit (No blank access door)
- Hardwire (C) includes J-box, blank access door cover in matching laminate; flexible metal conduit is field supplied.
- Adjustable glides: 1 1/2”(38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

**Specification Tips**

- Studio table inside clearance height is 26”(660mm).
- For optional flip top unit cutout placement, refer to Specification Guide.
- Rectangular convergent worksurface can be attached to studio table horizontal top at 90 degrees.
- Studio Table base feeds and Studio Table top feeds can be installed at any vertical location within table configuration.
- Does not accept AKP due to table height.

**To Order, Specify:**

1) Product number, including:

   **Power Option:**
   - N None
   - 1 Single circuit
   - 3 8-wire, 3-circuit
   - 4 8-wire, 4-circuit
   - C Hardwire:
     - 30”, add $420.40 list to No Power
     - 63”, add $840.80 list to No Power

2) Power Location Option:

   - N None
   - R Vertical/Base: Power options 3, 4 or C only
     - 30”, add $191.42 list to Power
     - 63”, add $382.84 list to Power
   - H One flip top per horizontal top (cutout only)
     - 30”, add $38.54 list to Power
   - L Two flip tops per horizontal top: (cutout only)
     - 30”, add $77.08 list to Power
     - 63”, add $154.16 list to Power

3) Laminate surface color.
4) Edge trim color.
5) Inlay trim color.

**Anodized Matte - ZA-MT**

**Note:** Supplier colors

**Product Number Width Codes**

<table>
<thead>
<tr>
<th>Width</th>
<th>Product Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>120”</td>
<td>C0 = 120”(3048mm)</td>
</tr>
<tr>
<td>147”</td>
<td>E7 = 147”(3734mm)</td>
</tr>
<tr>
<td>195”</td>
<td>K5 = 195”(4953mm)</td>
</tr>
<tr>
<td>243”</td>
<td>Q3 = 243”(6172mm)</td>
</tr>
<tr>
<td>Height (Outside Width)</td>
<td>Number</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------</td>
</tr>
<tr>
<td>29&quot; (737mm) Depth</td>
<td></td>
</tr>
<tr>
<td>30&quot; (762mm) Depth</td>
<td></td>
</tr>
<tr>
<td>126&quot; (3200mm)</td>
<td></td>
</tr>
<tr>
<td>201&quot; (5105mm)</td>
<td></td>
</tr>
<tr>
<td>249&quot; (6325mm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Upcharge for Hardwire Option.
Studio Table – Wood

Features
• Includes 3”(76mm) thick laminate horizontal top(s) and 3”(76mm) thick wood veneer vertical ends with trim covers, glides sleeves and attachment hardware.
• Removable trim covers with anodized aluminum inlay.
• Studio tables 153”(3886mm) wide and greater have one 3”(76mm) vertical mid-support at center. Refer to Specification Guide for location.
• Studio tables 63”(1600mm) deep are two 30”(762mm) deep studio tables allowing a 3”(76mm) gap for top feed, wire management or privacy screen clearance.
• Power Option (N) is to be specified with Power Location (N). NOTE: Verticals cannot be retrofitted for power.
• Power location (R) includes power in each vertical
–3- or 4-circuit (3) (4) includes PDA (Power Distribution Assembly)
–Hardwire (C) includes J-box, two duplex receptacles, bezel and access door cover in matching wood veneer; flexible metal conduit is field supplied.
• Power location (H)
–Single circuit (1) includes one cutout - no power
–3- or 4-circuit (3) (4) includes splitter(s) and jumper for one separately specified flip top unit (No blank access door)
–Hardwire (C) includes J-box, blank access door cover in matching wood veneer; flexible metal conduit is field supplied.
• Power location (L)
–Single circuit (1) includes two cutouts - no power
–3- or 4-circuit (3) (4) includes splitter(s) and jumper to two separately specified flip top units (No blank access door)
–Hardwire (C) includes J-box, blank access door cover in matching wood veneer; flexible metal conduit is field supplied.
• Adjustable glides: 1 1/2”(38mm) range.
• Adjustable glide sleeves are Metallic Champagne.
• Ships unassembled.

Specification Tips
• Studio table inside clearance height is 26”(660mm).
• For optional flip top unit cutout placement, refer to Specification Guide. Flip top unit separately specified.
• Rectangular convergent worksurface can be attached to studio table horizontal top at 90 degrees.
• 153”(3886mm), 201”(5105mm) and 249”(6325mm) studio tables are two equal horizontals with 3”(76mm) thick vertical mid-support at center.
• Powered verticals allow for infeed connections at any vertical location within table configuration.
• Studio Table base feeds and Studio Table top feeds can be installed at any location along horizontals and are proud mounted. Requires field drilled access hole. Refer to Specification Guide.
• Does not accept AKP due to table height.
• Power option:
–3- and 4-circuit options; separately specify:
–Power infeed
–Duplex receptacles for power location (R).
–Flip top unit(s) for power locations (H) or (L).
–Data Blank Cover, if needed.
• Refer to Specification Guide Electrical Applications for additional information.
• Do not mix 3-circuit with 4-circuit components.

Note: Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

To Order, Specify:
1) Product number, including:
   1 Power Option:
   N None
   1 Single circuit
   3 8-wire, 3-circuit
   4 8-wire, 4-circuit
   C Hardwire:
       30”, add $420.20 list to No Power
       63”, add $840.80 list to No Power

2) Power Location Option:
   N None
   R Vertical/Base: Power options 3, 4 or C only
       30”, add $191.42 list to Power
       63”, add $382.84 list to Power
   H One flip top per horizontal top (cutout only)
       30”, add $38.54 list to Power
       63”, add $77.08 list to Power
   L Two flip tops per horizontal top: (cutout only)
       30”, add $38.54 list to Power
       63”, add $77.08 list to Power

2) Wood finish color.
3) Inlay trim color.
   Anodized Matte – ZA-MT
4) Trim Colors:
   3- or 4-circuit
   –Bezel trim color (non-metallic only)
   Hardwire
   –Bezel/Receptacle trim color
   Gray Tone – TR-G*
   White – TR-W*

*Note: Supplier colors

Product Number Width Codes
C0 = 120”(3048mm)
E7 = 147”(3734mm)
K5=195”(4953mm)
Q3 = 243”(6172mm)
<table>
<thead>
<tr>
<th>Height</th>
<th>Outside Width</th>
<th>Number</th>
<th>Wood Group A No Power*</th>
<th>Wood Group A Power</th>
<th>Wood Group B No Power*</th>
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<tr>
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<tr>
<td>29&quot; (737mm)</td>
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<td>$7137.74</td>
<td>$6328.05</td>
<td>$7351.76</td>
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<td>6947.25</td>
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<td>TQUD-29C0-00WN</td>
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<td>TQUD-29E7-00WN</td>
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<td>10369.70</td>
<td>12045.24</td>
<td>11065.72</td>
<td>12741.26</td>
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<td>TQUD-29K5-00WN</td>
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<td>12304.12</td>
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<tr>
<td>249&quot; (6325mm)</td>
<td>TQUD-29Q3-00WN</td>
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<td>12771.62</td>
<td>14481.72</td>
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<tr>
<td>63&quot; (1600mm) Depth</td>
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<td>27085.04</td>
<td>30505.24</td>
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</tbody>
</table>

*Upcharge for Hardwire Option.
## Electrical Components – Studio Table – Top Feeds

### Pole Length | Harness Length | Product Height | Number | Price
---|---|---|---|---
10’(3048mm) Ceiling Height | 146″(3708mm) | 240″(6096mm) | 29″(737mm) | TQET-2930- \( \square \) T
 | | | | $799.23
 | | | | TQET-2963- \( \square \) T
 | | | | 1037.73
12’(3658mm) Ceiling Height | 146″(3708mm) | 240″(6096mm) | 29″(737mm) | TQET-2930- \( \square \) W
 | | | | $823.36
 | | | | TQET-2963- \( \square \) W
 | | | | 1061.86

\( \square \) Upcharge for Hardwire Option.

### Features
- Includes junction box, ceiling bezel plates, top feed pole and hardware.
- Routes power and communications cabling from ceiling to Patterns studio table.
- 63″(1600mm) application includes 2 electrical harnesses.
- If power option (3) or (4) is specified, electrical harness is included.
- 3-circuit standard top feed includes eight 12-gauge wires for up to three 20-amp circuits of power.
- 4-circuit standard top feed includes six 12-gauge wires and two 10-gauge wires for up to four 20-amp circuits of power.
- If power option (C) is specified, top feed pole is included and flexible conduit is field supplied.
- Top feed pole has removable cover providing access to the vertical channel.
- Top feed pole dimensions: 4 1/4″(115mm) x 2″(51mm).

### Specification Tips
- Required when the building power source is located in the space above the ceiling.
- For use with 120 volt 60 hertz power source only.
- Studio Table top feed requires field drilled access hole in bottom of studio table.
- Studio Table top feed can be positioned anywhere along the 63″(1600mm) wide studio table within required 3″(76mm) gap.
- Studio table top feed can mount anywhere along the 30″(762mm) studio table and is proud mounted.
- Standard base feed and standard top feed can also be used on Studio Table. Refer to prices pages for application guidelines.
- Applications should be reviewed by local authorities (electrical inspector) prior to ordering.
- Do not mix 3-circuit with 4-circuit components.

### Notes:
- Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.
- For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.
## Electrical Components – Studio Table – Base Feeds

### Height Number  
### Price

<table>
<thead>
<tr>
<th>Height</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
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<td>TQEB-2930</td>
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<td>TQEB-2963</td>
<td>$726.81</td>
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<table>
<thead>
<tr>
<th>Height</th>
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<th>Price</th>
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</thead>
<tbody>
<tr>
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<td>TQEB-2930-C</td>
<td>$360.57</td>
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<tr>
<td></td>
<td>TQEB-2963-C</td>
<td>$614.67</td>
</tr>
</tbody>
</table>

### Features
- Includes cover and hardware.
- If Power option (3) or (4) is specified, electrical harness is included.
- 63" (1600mm) application includes 2 electrical harnesses.
- If Power option (C) is specified, cover is included and flexible conduit is field supplied.
- For floor, wall or hardwire connections to fixed power installations.
- 3-circuit base feed includes eight 12-gauge wires for up to three 20-amp circuits of power.
- 4-circuit base feed includes six 12-gauge wires and two 10-gauge wires for up to four 20-amp circuits of power.
- Hardwire base feed includes flexible conduit. Wires are to be provided and installed by local electrician.
- Refer to Specification Guide for planning information.

### Specification Tips
- For use with 120 volt, 60 hertz power sources.
- Conduit exits from under glide sleeve of base feed pole and extends 4’ (1219mm).
- Studio Table Base feeds can be installed at any location along horizontals and are proud mounted. Refer to Specification Guide.
- Standard base feed and standard top feed can also be used on Studio Table. Refer to price pages for application guidelines.
- Applications should be reviewed by local authorities (electrical inspector) prior to ordering.
- Do not mix 3-circuit with 4-circuit components.

### Notes:
Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.

### To Order, Specify:
1. Product number, including:
   - **Power Options:**
     - 3 8-wire, 3-circuit
     - 4 8-wire, 4-circuit

   2. Trim color.
   (Metallic trim colors only)
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File Enclosure – Shell – Laminate

Features
- Includes 3” (76mm) thick laminate horizontal and 3” (76mm) thick laminate verticals with trim covers, glide sleeves and attachment hardware.
- File enclosures with inside width greater than 120” (3048mm) have two equal size horizontal pieces.
- Removable trim cover with anodized aluminum inlay.
- Optional backer available for use with 22” (559mm) deep file enclosure only.
- If power option (3) or (4) is specified, 2-port splitter, 4-port splitter(s) and jumper(s) are included. NOTE: Only vertical pass-through, no blank access door.
- If hardware power option (C) is specified a J-box and blank access door cover in matching laminate are included; flexible metal conduit is field supplied.
- If power options (3), (4), or (C) with flip top location option (H) or (L) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).
- Power Option (N) is to be specified with Power Location (N).
- NOTE: Verticals cannot be retrofitted for power.
- If power option specified:
  - 22” (559mm) deep vertical — Power access is set back 11 1/2” (292mm) from front vertical edge
  - 42” (1067mm) deep vertical — Power access is centered
- Adjustable glides: 1 1/2” (38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

Specification Tips
- Components must fill full width of file enclosure shell and support horizontal.
- Dimensioned for use with X Series files and storage cabinets with corresponding heights.
- File enclosure shell cannot be connected to other furniture.
- Recommend using same-width components within a file enclosure to match optional backer seams.
- For optional flip top unit cutout placement, refer to Specification Guide. Flip top unit specified separately.
- Not for use with reference top or reference return applications.
- 3- and 4-circuit options; separately specify:
  - Power infeeds
  - Flip top unit(s) for power location (H) or (L).
- Refer to Specification Guide Electrical Applications for additional information.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

Note: Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

To Order, Specify:
1) Product number, including:
   1 Backer Option — 22” deep only:
     Y Yes (pредrilled holes only)
     N No
   2 Power Option:
     N None
     3 8-wire, 3-circuit
     4 8-wire, 4-circuit
     C Hardwire, add $458.20 list to No Power
   3 Flip Top Location (cutout only):
     N None
     H One flip top per horizontal top
     L Two flip tops per horizontal top: add $38.51 list

2) Laminate surface color.
3) Edge trim color.
4) Inlay trim color. 
   Anodized Matte – ZA-MT

<table>
<thead>
<tr>
<th>Component</th>
<th>Component Outside Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-high</td>
<td>27 1/2” (699mm)</td>
</tr>
<tr>
<td>3-high</td>
<td>39 1/2” (1003mm)</td>
</tr>
<tr>
<td>4-high</td>
<td>51 1/2” (1308mm)</td>
</tr>
<tr>
<td>5-high</td>
<td>63 1/2” (1613mm)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Number of</th>
<th>Component Outside Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
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<td>3</td>
<td>90” (2286mm)</td>
</tr>
<tr>
<td>4</td>
<td>120” (3048mm)</td>
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</table>

Class PT
Canadian Conversion Factor: Refer to haworth.com/Canada
February 2020 / N.A. 57
### File Enclosure – Shell – Laminate

**Shelf Depth: 22" (559mm), Outside Height: 30 1/2" (775mm), Inside Height: 27 1/2" (699mm)**

<table>
<thead>
<tr>
<th>Outside Width</th>
<th>Inside Width</th>
<th>Number</th>
<th>Laminate No Power*</th>
<th>Laminate Power</th>
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<tbody>
<tr>
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<td>N</td>
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<tr>
<td>78&quot; (1981mm)</td>
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<tr>
<td>114&quot; (2896mm)</td>
<td>108&quot; (2743mm)</td>
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<tr>
<td>126&quot; (3200mm)</td>
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<tr>
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<td>N</td>
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<td>144&quot; (3658mm)</td>
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<tr>
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**Shelf Depth: 22" (559mm), Outside Height: 42 1/2" (1080mm), Inside Height: 39 1/2" (1003mm)**

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<th>Inside Width</th>
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<th>Laminate No Power*</th>
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**Shelf Depth: 22" (559mm), Outside Height: 54 1/2" (1384mm), Inside Height: 51 1/2" (1308mm)**

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**Shelf Depth: 22" (559mm), Outside Height: 66 1/2" (1689mm), Inside Height: 63 1/2" (1613mm)**

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<td>174&quot; (4420mm)</td>
<td>168&quot; (4267mm)</td>
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</table>

*Upcharge for Hardwire Option.

### Product Number Width Codes

- **A8 = 108" (2743mm)**
- **C0 = 120" (3048mm)**
- **C6 = 126" (3200mm)**
- **E4 = 144" (3658mm)**
- **G8 = 168" (4267mm)**
## File Enclosure – Shell – Laminate

### Shell Depth: 42" (1067mm), Outside Height: 30 1/2" (775mm), Inside Height: 27 1/2" (699mm)

<table>
<thead>
<tr>
<th>Outside Width</th>
<th>Inside Width</th>
<th>Number</th>
<th>Laminate No Power</th>
<th>Laminate Power</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>78&quot; (1981mm)</td>
<td>72&quot; (1829mm)</td>
<td>QQUE-3072-40LN</td>
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### Shell Depth: 42" (1067mm), Outside Height: 42 1/2" (1080mm), Inside Height: 39 1/2" (1033mm)

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### Shell Depth: 42" (1067mm), Outside Height: 54 1/2" (1384mm), Inside Height: 51 1/2" (1308mm)

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### Shell Depth: 42" (1067mm), Outside Height: 66 1/2" (1689mm), Inside Height: 63 1/2" (1613mm)

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*Upcharge for Hardwire Option.

### Product Number Width Codes

- A8 = 108" (2743mm)
- C0 = 120" (3048mm)
- C6 = 126" (3200mm)
- E4 = 144" (3658mm)
- G8 = 168" (4267mm)

---

Canadian Conversion Factor: Refer to haworth.com/Canada
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### Features
- Includes 3” (76mm) thick wood veneer horizontal and 3” (76mm) thick wood veneer verticals with trim covers, glide sleeves and attachment hardware.
- File enclosures with inside width greater than 120” (3048mm) have two equal size horizontal pieces.
- Removable trim cover with anodized aluminum inlay.
- Optional backer available for use with 22” (559mm) deep file enclosure only.
- Power Option (C) is specified, a J-box and blank access door cover in matching wood veneer are included; field supplied.
- If power options (3), (4), or (C) with flip top location option (H) or (L) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).

### Specification Tips
- Components must fill full width of file enclosure shell and support horizontal.
- Dimensioned for use with X Series files and storage cabinets with corresponding heights.
- File enclosure shell cannot be connected to other furniture.
- Recommend using same-width components within a file enclosure to match optional backer seams.
- For optional flip top unit cutout placement, refer to Specification Guide. Flip top unit specified separately.
- Not for use with reference top or reference return applications.
- 3- and 4-circuit options; separately specify:
  - Power infeeds
  - Flip top unit(s) for power location (H) or (L).
- Refer to Specification Guide Electrical Applications for additional information.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

### Note
Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

### To Order, Specify:
1. **Backer Option — 22” deep only:**
   - **Y** Yes (predrilled holes only)
   - **N** No
2. **Power Option:**
   - **N** None
   - **3** 8-wire, 3-circuit
   - **4** 8-wire, 4-circuit
   - **C** Hardwire, add $458.20 list to No Power
3. **Flip Top Location (cutout only):**
   - **N** None
   - **H** One flip top per horizontal top
   - **L** Two flip tops per horizontal top: add $38.51 list
2. **Wood finish color:**
3. **Inlay trim color:**
   - Anodized Matte – ZA-MT

### Component Outside Height

<table>
<thead>
<tr>
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<th>Component Outside Height</th>
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<tbody>
<tr>
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<td>27 1/2” (699mm)</td>
</tr>
<tr>
<td>3-high</td>
<td>39 1/2” (1003mm)</td>
</tr>
<tr>
<td>4-high</td>
<td>51 1/2” (1308mm)</td>
</tr>
<tr>
<td>5-high</td>
<td>63 1/2” (1613mm)</td>
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### Component Outside Width

<table>
<thead>
<tr>
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<th>File Enclosure Inside Width</th>
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</thead>
<tbody>
<tr>
<td>30” (762mm)</td>
<td>60” (1524mm)</td>
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<tr>
<td>36” (914mm)</td>
<td>72” (1829mm)</td>
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<td>42” (1067mm)</td>
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### Number of Components

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<td>4</td>
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**Note:**
- Canadian Conversion Factor: Refer to haworth.com/Canada
## File Enclosure – Shell – Wood

### Patterns Price List

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<th>Group B</th>
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### Shell Depth: 22"(559mm), Outside Height: 30 1/2" (775mm), Inside Height: 27 1/2" (699mm)

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### Shell Depth: 22"(559mm), Outside Height: 42 1/2" (1080mm), Inside Height: 39 1/2" (1003mm)

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### Shell Depth: 22"(559mm), Outside Height: 54 1/2" (1384mm), Inside Height: 51 1/2" (1308mm)

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### Shell Depth: 22"(559mm), Outside Height: 66 1/2" (1689mm), Inside Height: 63 1/2" (1613mm)

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*Upcharge for Hardwire Option.

---

**Product Number Width Codes**

- **A8 = 108"(2743mm)**
- **C0 = 120"(3048mm)**
- **C6 = 126"(3200mm)**
- **E4 = 144"(3658mm)**
- **G8 = 168"(4267mm)**
### File Enclosure – Shell – Wood

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<th>Wood Group B No Power*</th>
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<tbody>
<tr>
<td>66” (1676mm)</td>
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Shelv Depth: 42” (1067mm), Outside Height: 39 1/2” (1003mm)

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<th>Number</th>
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Shell Depth: 42” (1067mm), Outside Height: 54 1/2” (1384mm), Inside Height: 31 1/2” (1038mm)

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Shell Depth: 42” (1067mm), Outside Height: 66 1/2” (1689mm), Inside Height: 63 1/2” (1613mm)

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*Upcharge for Hardwire Option.

**Patterns Price List**

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### Product Number Width Codes

- **A8** = 108”(2743mm)
- **C0** = 120”(3048mm)
- **C6** = 126”(3200mm)
- **E4** = 144”(3658mm)
- **G8** = 168”(4267mm)
# File Enclosure – Horizontal Element – Laminate

<table>
<thead>
<tr>
<th>Depth (559mm)</th>
<th>Width (1524mm)</th>
<th>Number</th>
<th>Laminate No Power</th>
<th>Laminate Power</th>
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<tbody>
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<td>60” (1524mm)</td>
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<th>Depth (1067mm)</th>
<th>Width (1524mm)</th>
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<th>Laminate No Power</th>
<th>Laminate Power</th>
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<tr>
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</tbody>
</table>

*Upcharge for Hardwire Option.

**Features**
- Includes 3” (76mm) thick laminate horizontal with trim covers and attachment hardware.
- Removable trim cover with anodized aluminum edge inlay.
- File Enclosure horizontal elements greater than 120” (3048mm) wide are two equal size pieces.
- Optional backer available for use with 22” (559mm) deep horizontals only.
- If power option (3) or (4) is specified, jumper(s) that run through the horizontal element are included.
- If power option (C) is specified, field supplied.
- If flip top location option (H) or (L) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).
- If power options (3), (4), or (C) are specified and flip top location (N) is specified, power passes through horizontal element.

**Specification Tips**
- Components must fill full width of file enclosure and support horizontal.
- For use in building multiple file enclosures and when reference return and reference tops are to be attached to a file enclosure.
- Recommend using same-width components within a file enclosure of same depth to match optional backer seams.
- For optional flip top unit cutout placement, refer to Specification Guide. **Flip top unit specified separately.**
- File Enclosure vertical element (used between horizontals or at end of horizontal).
- Refer to Specification Guide Electrical Applications for additional information.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

**To Order, Specify:**
1. Product number, including:
   - **1** Backer Option — 22” deep only:
     - Y Yes (predrilled holes only)
     - N No
   - **2** Power Option:
     - N None
     - 3 8-wire, 3-circuit
     - 4 8-wire, 4-circuit
     - C Hardwire, add $108.94 list to No Power
   - **3** Flip Top Location:
     - N None
     - H One flip top per horizontal (cutout only), add $38.54 list
     - L Two flip tops per horizontal (cutout only), add $77.04 list
2. Laminate surface color.
3. Edge trim color.
4. Inlay trim color.

**Anodized Matte - ZA-MT**

---

**Product Number Width Codes**

<table>
<thead>
<tr>
<th>A8 = 108” (2743mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C0 = 120” (3048mm)</td>
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<tr>
<td>C6 = 126” (3200mm)</td>
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<tr>
<td>E4 = 144” (3658mm)</td>
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<td>G8 = 168” (4267mm)</td>
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**Number of Components**

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<tr>
<td>36” (914mm)</td>
<td>90” (2286mm) 108” (2743mm) 126” (3200mm)</td>
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<td>42” (1067mm)</td>
<td>120” (3048mm) 144” (3658mm) 168” (4267mm)</td>
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**File Enclosure – Horizontal Element – Wood**

<table>
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<tr>
<th>Depth</th>
<th>Width</th>
<th>Number</th>
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<th>Wood Group A Power</th>
<th>Wood Group B No Power*</th>
<th>Wood Group B Power</th>
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<tbody>
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</table>

*Upcharge for Hardwire Option.

**Features**
- Includes 3"(76mm) thick wood veneer horizontal with trim covers and attachment hardware.
- Removable trim cover with anodized aluminum edge inlay.
- File Enclosure horizontal elements greater than 120"(3048mm) wide are two equal size pieces.
- Optional backer available for use with 22"(559mm) deep horizontals only.
- If power option (3) or (4) is specified jumper(s) that run through the horizontal element are included.
- If hardware power option (C) is specified, field supplied.
- If flip top location option (H) or (L) is specified, separately specifies flip top unit with conduit (3 receptacles and 3 data ports). If power options (3), (4), or (C) are specified flip top location (N) is specified, power passes through horizontal element.

**Specification Tips**
- Components must fill full width of file enclosure shell and support horizontal.
- For use in building multiple file enclosures and when reference return and reference tops are to be attached to a file enclosure.
- Recommend using same-width components within a file enclosure of same depth to match optional backer seams.
- For optional flip top unit cutout placement, refer to Specification Guide. **Flip top unit specified separately.**
- Must separately specify components:
  - File enclosure vertical element (used between horizontals or at end of horizontal)
  - Refer to Specification Guide Electrical Applications for additional information.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

**Note:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

**To Order, Specify:**
1) Product number, including:

### Backer Option — 22" deep only:
- Y Yes (predrilled holes only)
- N No

### Power Option:
- N None
- 3 8-wire, 3-circuit
- 4 8-wire, 4-circuit
- C Hardwire, add $108.94 list to No Power

### Flip Top Location:
- N None
- H One flip top per horizontal (cutout only), add $38.54 list
- L Two flip tops per horizontal (cutout only), add $77.04 list

2) Wood finish color.
3) Inlay trim color.
   - Anodized Matte - ZA-MT

**Product Number Width Codes**
- A8 = 108"(2743mm)
- C0 = 120"(3048mm)
- C6 = 126"(3200mm)
- E4 = 144"(3658mm)
- G8 = 168"(4267mm)

**Number of Components**

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**File Enclosure – Vertical Element – Laminate**

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</table>

*Upcharge for Hardwire Option.

### Features
- Includes 3"(76mm) thick laminate vertical with trim covers, glide sleeves and attachment hardware.
- Removable trim cover with anodized aluminum inlay.
- Optional backer available for use with 22"(559mm) deep file enclosures only.
- Available with or without power cutouts.
- If Power option (3) or (4) is specified:
  - 30 1/2" high vertical includes 4-port splitter only;
  - 42 1/2", 54 1/2" and 66 1/2" verticals include jumper, one 2-port splitter and one 4-port splitter
  - 2-port splitter is used at base of vertical for connection to powered horizontal element
  - 4-port splitter is used at top of vertical for connection to powered horizontal element
  - 3- and 4-circuit verticals provide power and data pass-through only.
  - For top feed power applications; non-powered verticals are recommended. Separately specify infeed harness for connection directly to horizontal element. NOTE: No access door.
- If hardware power option (C) is specified, a J-box and access door cover(s) in matching laminate located at base height are included; flexible metal conduit is field supplied.
  - Left or right-hand vertical end includes one blank access door on inside;
  - Center vertical end includes two blank access doors (one on each side)
- Power Option (N) is to be specified with Power Location (N). NOTE: Verticals cannot be retrofitted for power.
- If power option specified:
  - 22"(559mm) deep vertical — Power access is set back 11 1/2"(292mm) from front vertical edge
  - 42"(1067mm) deep unit — Power access is centered
- Adjustable glides: 1 1/2"(38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

### Specification Tips
- Must be used with a file enclosure horizontal element of same depth.
- For use in building multiple file enclosure applications.
- For 3- and 4-circuit separately specify components:
  - Power infeed:
    - File enclosure horizontal element with Flip Top cutout location (H) or (L)
- Refer to Specification Guide Electrical Applications for additional information.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

### Note:
Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

### To Order, Specify:
1) Product number, including:
   - Backer Option — 22" deep only:
     - Y Yes (predrilled holes only)
     - N No
2) Power Option:
   - N None
   - 3 8-wire, 3-circuit
   - 4 8-wire, 4-circuit
   - C Hardwire, add $143.39 list to No Power
3) Power Location Option:
   - N None
   - A 3- or 4-circuit: Vertical pass-through (no blank access door)
   - Hardwire: Vertical base blank access door(s)
4) Vertical End Position:
   - L Left-hand
   - R Right-hand
   - C Center

2) Laminate surface color.
3) Edge trim color.
4) Inlay trim color.

Anodized Matte – ZA-MT
# File Enclosure – Vertical Element – Wood

(For use with Horizontal File Enclosure Element Only)

## Features
- Includes 3”(76mm) thick wood veneer vertical with trim covers, glide sleeves and attachment hardware.
- Removable trim cover with anodized aluminum inlay.
- Optional backer available for use with 22”(559mm) deep file enclosures only.
- Available with or without power cutouts.
- If Power option (3) or (4) is specified:
  - 30 1/2” high vertical includes 4-port splitter only;
  - 42 1/2”, 54 1/2” and 66 1/2” verticals include jumper, one 2-port splitter and one 4-port splitter
  - 2-port splitter is used at base of vertical for connection to power infeed;
  - 4-port splitter is used at top of vertical for connection to powered horizontal element
  - 3- and 4-circuit verticals provide power and data pass-through only.
  - For top feed power applications; non-powered verticals are recommended. Separately specify infeed harness for connection directly to horizontal element.
  - If hardwire power option (C) is specified, a J-box and access door cover(s) in matching wood veneer located at base height are included; flexible metal conduit is field supplied.
  - Left or right-hand vertical end includes one blank access door on inside;
  - Center vertical end includes two blank access doors (one on each side)
  - Power Option (N) is to be specified with Power Location (N).
  - If power option specified:
    - 22”(559mm) deep vertical — Power access is set back 11 1/2”(292mm) from front vertical edge
    - 42”(1067mm) deep unit — Power access is centered
  - Adjustable glides: 1 1/2” range.
  - Adjustable glide sleeves are Metallic Champagne.
  - Ships unassembled.

## Specification Tips
- Must be used with a file enclosure horizontal element of same depth.
- For use in building multiple file enclosure applications.
- For 3- and 4-circuit separately specify components:
  - Power infeeds
    - File enclosure horizontal element with Flip Top cutout location (H) or (L)
  - Refer to Specification Guide Electrical Applications for additional information.
  - Electrical applications require prior approval by authority having jurisdiction.
  - Do not mix 3-circuit with 4-circuit components.

## Note:
Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

## Price List

<table>
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<th>Height</th>
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<th>Number</th>
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<th>Wood Group B</th>
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</table>

**To Order, Specify:**

1. **Backer Option — 22” deep only:**
   - Y Yes (predrilled holes only)
   - N No

2. **Power Option:**
   - N None
   - 3 8-wire, 3-circuit
   - 4 8-wire, 4-circuit
   - C Hardwire, add $143.39 list to No Power

3. **Power Location Option:**
   - N None
   - A 3- or 4-circuit:
     - Vertical pass-through (no blank access door)
     - Hardwire:
       - Vertical base blank access door(s)

4. **Vertical End Position:**
   - L Left-hand
   - R Right-hand
   - C Center

2) **Wood finish color.**
   - Anodized Matte – ZA-MT

3) **Inlay trim color.**

## Component Specifications

<table>
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<tr>
<th>Component</th>
<th>Component Outside Height</th>
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<td>3-high</td>
<td>39 1/2”(1003mm)</td>
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<td>4-high</td>
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<tr>
<td>5-high</td>
<td>63 1/2”(1613mm)</td>
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</tbody>
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*Upcharge for Hardwire Option.
File Enclosure – Backer – Laminate

Features
- Includes 2, 3 or 4 laminate backer segments (to match number of components), vertical rails and horizontal base and top rails with attachment hardware.
- Backer horizontal base is 4” (102mm) high.
- Laminate backer reveal lines align with file enclosure reveal lines if same width components are specified.
- 144” (3658mm) and 168” (4267mm) widths will have two-piece horizontal base and top rails.
- Ships unassembled.

Specification Tips
- File enclosure shell and file enclosure vertical element must be specified with backer option to allow attachment of backer.
- For use with 22” (559mm) deep file enclosure shells and file enclosure elements.
- Backer Segment Segments
  - 60” (1524mm), 72” (1829mm), 84” (2134mm) — 2 segments
  - 90” (2286mm), 108” (2743mm), 126” (3200mm) — 3 segments
  - 120” (3048mm), 144” (3658mm), 168” (4267mm) — 4 segments
- File enclosure backer has 1” (25mm) inset.

To Order, Specify:
1) Product number.
2) Laminate surface color.
3) Rail trim color.
   Anodized Matte - ZA-MT

Patterns Price List

FileEnclosure–Backer–Laminate

Class PT

Canadian Conversion Factor: Refer to haworth.com/Canada
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<th>Backer Height</th>
<th>Overall Backer Width</th>
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<th>Laminate Price</th>
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Product Number Width Codes

- A8 = 108" (2743mm)
- C0 = 120" (3048mm)
- C6 = 126" (3200mm)
- E4 = 144" (3658mm)
- G8 = 168" (4267mm)
# File Enclosure – Backer – Wood

## Features
- Includes 2, 3 or 4 wood veneer backer segments (to match number of components), vertical rails and horizontal base and top rails with attachment hardware.
- Backer horizontal base is 4” (102mm) high.
- Backer reveal lines align with file enclosure reveal lines if same width components are specified.
- 144” (3658mm) and 168” (4267mm) widths will have two-piece horizontal base and top rails.
- Ships unassembled.

## Specification Tips
- File enclosure shell and file enclosure vertical element must be specified with backer option to allow attachment of backer.
- For use with 22” (559mm) deep file enclosure shells and file enclosure elements.
- Backer Segment Segments
  - 60” (1524mm), 72” (1829mm), 84” (2134mm) - 2 segments
  - 90” (2286mm), 108” (2743mm), 126” (3200mm) - 3 segments
  - 120” (3048mm), 144” (3658mm), 168” (4267mm) - 4 segments
- File enclosure backer has 1” (25mm) inset.

## To Order, Specify:
1) Product number.
2) Wood finish color.
3) Rail trim color.
   Anodized Matte - ZA-MT

---

**Patterns Price List**

**File Enclosure – Backer – Wood**

---

**Q08A**
<table>
<thead>
<tr>
<th>File Enclosure – Backer – Wood</th>
<th>Overall Backer Width</th>
<th>Number</th>
<th>Wood Group A</th>
<th>Wood Group B</th>
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<tbody>
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<td>60&quot; (1524mm)</td>
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**Product Number Width Codes**

- A8 = 108" (2743mm)
- C0 = 120" (3048mm)
- C6 = 126" (3200mm)
- E4 = 144" (3658mm)
- G8 = 168" (4267mm)
# File Enclosure – Reference Top – Laminate

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</table>

*Upcharge for Hardwire Option.

**Features**
- Includes 3”(76mm) thick laminate horizontal with trim covers and attachment hardware.
- Removable trim cover with anodized aluminum inlay.
- If power option (3) or (4) is specified, jumper(s) are included and run through reference top.
- If Hardwire power option (C) is specified, flexible metal conduit is field supplied.
- If flip top location option (H) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).

**Specification Tips**
- Must be used between two file enclosure vertical elements for use with file enclosure reference top. (Not for attachment to file enclosure shell.)
- For use in building applications when file enclosure for use with reference top is to be attached between two file enclosure vertical elements of same depth.
- Must be used with 30 1/2”(775mm) and 42 1/2”(1080mm) high file enclosure elements.
- For optional flip top unit cutout placement, refer to Specification Guide. *Flip top unit specified separately.*
- Backer not for use with reference tops.
- Must separately specify components:
  - Vertical element for use with reference top of matching depth
  - Refer to Specification Guide Electrical Applications for additional information.
  - Electrical applications require prior approval by authority having jurisdiction.
  - Do not mix 3-circuit with 4-circuit components.

**Note:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

To Order, Specify:
1. **Power Option:**
   - N None
   - 3 8-wire, 3-circuit
   - 4 8-wire, 4-circuit
   - C Hardwire, add $75.24 list to No Power
2. **Flip Top Location:**
   - N None
   - H One flip top per top (cutout only), add $38.54 list
3. Laminate surface color.
4. Edge trim color.
5. Inlay trim color.
   - Anodized Matte - ZA-MT

Class PT
Canadian Conversion Factor: Refer to haworth.com/Canada
# File Enclosure – Reference Top – Wood

## Features
- Includes 3” (76mm) thick wood veneer horizontal with trim covers and attachment hardware.
- Removable trim cover with anodized aluminum inlay.
- If power option (3) or (4) is specified, jumper(s) are included and run through reference top.
- If Hardwire power option (C) is specified, flexible metal conduit is field supplied.
- If flip top location option (H) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).

## Specification Tips
- Must be used between two file enclosure vertical elements for use with file enclosure reference top. (Not for attachment to file enclosure shell.)
- For use in building applications when file enclosure for use with reference top is to be attached between two file enclosure vertical elements of same depth.
- Must be used with 30 1/2” (775mm) and 42 1/2” (1080mm) high file enclosure elements.
- For optional flip top unit cutout placement, refer to Specification Guide. Flip top unit specified separately.
- Backer not for use with reference tops.
- Must separately specify components:
  - Vertical element for use with reference top of matching depth
  - Refer to Specification Guide Electrical Applications for additional information.
  - Electrical applications require prior approval by authority having jurisdiction.
  - Do not mix 3-circuit with 4-circuit components.

## Note
- Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

## To Order, Specify:
1) Product number, including:
   - **Power Option:**
     - N None
     - 3 8-wire, 3-circuit
     - 4 8-wire, 4-circuit
     - C Hardwire, add $75.24 list to No Power
   - **Flip Top Location:**
     - N None
     - H One flip top per top (cutout only), add $38.54 list
2) Wood finish color.
3) Inlay trim color.
   - Anodized Matte - ZA-MT

### Table: File Enclosure – Reference Top – Wood

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*Upcharge for Hardwire Option.
## File Enclosure – Reference Return – Laminate

### Features
- Includes 3” (76mm) thick laminate vertical and 3” (76mm) thick laminate horizontal with trim covers, glide sleeves and attachment hardware.
- Removable trim includes anodized aluminum inlay.
- If power options (3) or (4) is specified, jumper connects to separately specified flip top unit.
- If hardwire power option (C) is specified, flexible metal conduit is field supplied.
- If flip top location (H) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).
- Power does not route through and cannot be accessed through reference return vertical end.
- Adjustable glides: 1 1/2” (38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

### Specification Tips
- **Must be used with a file enclosure vertical element that accepts a file enclosure reference return.** (Not for use with file enclosure shell.)
- For use in building application when file enclosure reference return is to be attached to a 30 1/2” (775mm) or 42 1/2” (1080mm) high file enclosure vertical element of same depth.
- For optional flip top unit cutout placement, refer to Specification Guide. **Flip top unit is specified separately.**
- Backer not for use with file enclosure reference return.
- **Must separately specify components:**
  - Vertical that accepts a reference return of matching depth
  - Refer to Specification Guide Electrical Applications for additional information.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

### Note:
Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

### To Order, Specify:
1. **Power Option:**
   - N None
   - 3 8-wire, 3-circuit
   - 4 8-wire, 4-circuit
   - C Hardwire, add $71.02 list to No Power
2. **Flip Top Location:**
   - N None
   - H One flip top per horizontal top cutout only, add $38.54 list
3. **Vertical End Position:**
   - L Left-hand
   - R Right-hand

### Prices

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*Upcharge for Hardwire Option.
### File Enclosure – Reference Return – Wood

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*Upcharge for Hardwire Option.

**Features**
- Includes 3" (76mm) thick wood veneer vertical and 3" (76mm) thick wood veneer horizontal with trim covers, glide sleeves and attachment hardware.
- Removable trim includes anodized aluminum inlay.
- If power options (3) or (4) is specified, jumper connects to separately specified flip top unit.
- If hardwire power option (C) is specified, flexible metal conduit is field supplied.
- If flip top location (H) is specified, separately specify flip top unit with conduit (3 receptacles and 3 data ports).
- Power does not route through and cannot be accessed through reference return vertical end.
- Adjustable glides: 1 1/2" (38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

**Specification Tips**
- Must be used with a file enclosure vertical element that accepts a file enclosure reference return. (Not for use with file enclosure shell.)
- For use in building application when file enclosure reference return is to be attached to a 30 1/2" (775mm) or 42 1/2" (1080mm) high file enclosure vertical element of same depth.
- For optional flip top unit cutout placement, refer to Specification Guide. **Flip top unit is specified separately.**
- Backer not for use with file enclosure reference return.
- Must separately specify components: – Vertical that accepts a reference return of matching depth.
- Refer to Specification Guide Electrical Applications for additional information.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

**Note:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

**To Order, Specify:**
1. **Power Option:**
   - N None
   - 3 8-wire, 3-circuit
   - 4 8-wire, 4-circuit
   - C Hardwire, add $71.02 list to No Power
2. **Flip Top Location:**
   - N None
   - H One flip top per horizontal top cutout only, add $38.54 list
3. **Vertical End Position:**
   - L Left-hand
   - R Right-hand

2) Wood finish color.
3) Inlay trim color.
   - Anodized Matte – ZA-MT
### File Enclosure – Vertical Element – Laminate

**Vertical**

<table>
<thead>
<tr>
<th>Vertical Height</th>
<th>Vertical Depth</th>
<th>Number</th>
<th>Laminate No Power</th>
<th>Laminate Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 1/2”(775mm)</td>
<td>22”(559mm)</td>
<td>QQVA-3000-40L</td>
<td>$1022.01</td>
<td>$1412.82</td>
</tr>
<tr>
<td>42 1/2”(1080mm)</td>
<td>42”(1067mm)</td>
<td>QQVE-3000-40L</td>
<td>$1636.34</td>
<td>$2027.15</td>
</tr>
<tr>
<td>30 1/2”(775mm)</td>
<td>42”(1067mm)</td>
<td>QQVA-4200-40L</td>
<td>$1201.95</td>
<td>$1613.83</td>
</tr>
<tr>
<td>42 1/2”(1080mm)</td>
<td></td>
<td>QQVE-4200-40L</td>
<td>$1924.51</td>
<td>$2336.39</td>
</tr>
</tbody>
</table>

*Upcharge for Hardwire Option.

### Features

- Includes 3”(76mm) thick laminate vertical with trim covers, glide sleeves and attachment hardware.
- Removable trim cover with anodized aluminum inlay.
- Optional backer available for use with 22”(559mm) deep file enclosures only.
- If power option (3) or (4) is specified:
  - 30 1/2” vertical includes 4-port splitter only;
  - 42 1/2” vertical includes 4-port splitter, PDS, jumper and bezel.
- If power option (3) or (4) is specified with power location (J): PDA (Power Distribution Assembly), 4-port splitter, bezel and jumper are included.
- File enclosure, studio table, reference return and reference top flip top units include three power outlets and three communication outlets (3.3).
- Power Option (N) is to be specified with Power Location (N).
- If hardwood power option (C) is specified, flexible metal conduit is field supplied.
- If power option specified:
  - 22”(559mm) deep vertical — Power access is set back 11 1/2”(292mm) from front vertical edge
  - 42”(1067mm) deep unit — Power access is centered in vertical
- Adjustable glides: 1 1/2”(38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

### Specification Tips

- **Must be used with a file enclosure reference top or reference return that connects to a center left or center right vertical element.**
- For use in building applications when file enclosure reference return is to be attached to a file enclosure vertical element (for use with reference top or reference return) of same depth.
- **3- or 4-circuit separately specify components:**
  - File enclosure reference top or reference return
  - Duplex receptacles
  - Data Blank Cover, if needed
- **Refer to Specification Guide Electrical Applications for additional information.**
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

**Note:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

### To Order, Specify:

1. **Backer Option:** 22” deep only:
   - **Y** Yes (predrilled holes only)
   - **N** No
2. **Power Option:**
   - **N** None
   - **3** 8-wire, 3-circuit
   - **4** 8-wire, 4-circuit
   - **C** Hardwire, add $143.39 list to No Power
3. **Power Location Option:**
   - **N** None
   - **A** 3- or 4-circuit:
     - Vertical pass-through (no blank access door)
     - Vertical base blank access door(s)
   - **J** Vertical/Base (one side/outside), add $38.54 list
4. **Vertical Outside End Position:**
   - **D** Centered left
   - **E** Centered right

2. Laminate surface color.

3. Edge trim color.

4. Inlay trim color.
   - Anodized Matte – ZA-MT

5. **Trim Colors:**
   - **3- or 4-circuit**
     - Bezel trim color (non-metallic only)
     - **Hardwire**
       - Bezel/Receptacle trim color
       - Gray Tone – TR-G*
       - White – TR-W*

*Note: Supplier colors

### Component Component Outside Height

<table>
<thead>
<tr>
<th>Component</th>
<th>Component Outside Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-high</td>
<td>27 1/2”(699mm)</td>
</tr>
<tr>
<td>3-high</td>
<td>39 1/2”(1003mm)</td>
</tr>
</tbody>
</table>
File Enclosure – Vertical Element – Wood

(For use with Reference Top and Reference Return)

<table>
<thead>
<tr>
<th>Vertical Height</th>
<th>Vertical Depth</th>
<th>Number</th>
<th>Wood Group A</th>
<th>Wood Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 1/2”(775mm)</td>
<td>22”(559mm)</td>
<td>QQVA-3000-40W</td>
<td>$1277.87</td>
<td>$1715.07</td>
</tr>
<tr>
<td>42 1/2”(1080mm)</td>
<td>22”(559mm)</td>
<td>QQVA-4200-40W</td>
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<td>$2001.83</td>
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<td>$2405.27</td>
<td>$3064.16</td>
</tr>
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</table>

*Upcharge for Hardwire Option.

Features
- Includes 3”(76mm) thick wood veneer vertical with trim covers, glide sleeves and attachment hardware.
- Removable trim cover with anodized aluminum inlay.
- Optional backer available for use with 22”(559mm) deep file enclosures only.
- If power option (3) or (4) is specified:
  - 30 1/2” high vertical includes 4-port splitter only;
  - 42 1/2” vertical includes 4-port splitter, PDS, jumper and bezel.
- If power option (3) or (4) are specified with power location (J); PDA (Power Distribution Assembly), 4-port splitter, bezel and jumper are included.
- Power Option (N) is to be specified with Power Location (N).
  NOTE: Verticals cannot be retrofitted for power.
- If power option (C) is specified:
  - With power location (A); J-box and blank access door cover in matching wood veneer are included.
  - With power location (J); J-box, two duplex receptacles, bezel and access door cover in matching wood veneer are included.
- If hardware power option (C) is specified, flexible metal conduit is field supplied.
- If power option specified:
  - 22”(559mm) deep vertical — Power access is set back 11 1/2”(292mm) from front vertical edge
  - 42”(1067mm) deep unit — Power access is centered in vertical
- Adjustable glides: 1 1/2”(38mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

Specification Tips
- Must be used with a file enclosure reference top or reference return that connects to a center left or center right vertical element.
- For use in building applications when file enclosure reference return is to be attached to a file enclosure vertical element (for use with reference top or reference return) of same depth.
- 3- or 4-circuit separately specify components:
  - File enclosure reference top or reference return
  - Duplex receptacles
  - Data Blank Cover, if needed
- Refer to Specification Guide Electrical Applications for additional information.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

Note: Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

To Order, Specify:
1) Product number, including:
   - Backer Option — 22” deep only:
     Y Yes (predrilled holes only)
     N No
   - Power Option:
     N None
     3 8-wire, 3-circuit
     4 8-wire, 4-circuit
     C Hardwire, add $143.39 list to No Power
   - Power Location Option:
     N None
     A 3- or 4-circuit: Vertical pass-through (no blank access door)
     Hardwire: Vertical base blank access door(s)
     J Vertical/Base (one side/inside), add $38.54 list
2) Wood finish color.
3) Inlay trim color.
   Anodized Matte – ZA-MT
4) Trim Colors:
   - Bezel/Receptacle trim color (non-metallic only)
     Hardwire:
     - Bezel/Receptacle trim color
       Gray Tone – TR-G*
       White – TR-W*
   - Note: Supplier colors

Component | Component Outside Height
---         | ---
2-high     | 27 1/2”(699mm)
3-high     | 39 1/2”(1003mm)
**Bench – Laminate**

### Depth: 22” (559mm)

<table>
<thead>
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<th>Outside Width</th>
<th>Inside Width</th>
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<th>2</th>
<th>3</th>
<th>4</th>
<th>Laminate No Power*/ Single Circuit</th>
<th>Laminate Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 1/2”(445mm)</td>
<td>78”(1981mm)</td>
<td>72”(1829mm)</td>
<td>SQBA-1772-40L</td>
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<td></td>
<td></td>
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<tr>
<td>102”(2591mm)</td>
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<td>SQBA-1796-40L</td>
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<td></td>
<td></td>
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<tr>
<td>126”(3200mm)</td>
<td>120”(3048mm)</td>
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</tbody>
</table>

### Depth: 30” (762mm)

<table>
<thead>
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<th>Inside Width</th>
<th>Number</th>
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<th>2</th>
<th>3</th>
<th>4</th>
<th>Laminate No Power*/ Single Circuit</th>
<th>Laminate Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 1/2”(445mm)</td>
<td>78”(1981mm)</td>
<td>72”(1829mm)</td>
<td>SQBD-1772-40L</td>
<td></td>
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<td></td>
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<tr>
<td>102”(2591mm)</td>
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<td>SQBD-1796-40L</td>
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<tr>
<td>126”(3200mm)</td>
<td>120”(3048mm)</td>
<td>SQBD-17C0-40L</td>
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<td></td>
<td></td>
<td>$4722.87</td>
<td>5113.42</td>
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</tr>
</tbody>
</table>

*Upcharge for Hardwire Option.

**Note:** Product number with code C0 = 120”(3048mm).

### Features
- Includes 3”(76mm) thick laminate horizontal top and 3”(76mm) thick laminate verticals with trim covers, structural support glide sleeves and attachment hardware.
- Removable trim cover with anodized aluminum inlay.
- Optional Shelf: centered under horizontal with 1”(25mm) inset on both sides; includes aluminum front edge.
- Depth: 22”(559mm) deep bench has 20”(508mm) deep shelf — 9”(229mm) access on each side.
- Depth: 30”(762mm) deep bench has 28”(711mm) deep shelf — 13”(330mm) access each side.

### Specification Tip
- Bench cannot be connected to other furniture.
- Refer to Specification Guide Electrical Applications for additional information.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

**To Order, Specify:**
1) **Shelf Option:**
   - None
   - S Shelf, upcharge (list)

<table>
<thead>
<tr>
<th>Depth</th>
<th>Width</th>
<th>Upcharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>22”</td>
<td>72”</td>
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<tr>
<td>96”</td>
<td>120”</td>
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<td>30”</td>
<td>72”</td>
<td>$179.60</td>
</tr>
<tr>
<td>96”</td>
<td>120”</td>
<td>$240.72</td>
</tr>
</tbody>
</table>

2) **Power Option:**
   - N None
   - 1 Single circuit
   - 3 8-wire, 3-circuit
   - 4 8-wire, 4-circuit
   - C Hardwire

3) **Flip Top Location:**
   - N None*
   - H One flip top (cutout only)*

4) **Cushion Option:**
   - N None
   - C Cushion, upcharge (list)

<table>
<thead>
<tr>
<th>Depth</th>
<th>Width</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>22”</td>
<td>72”</td>
<td>$765.15</td>
<td>$841.79</td>
<td>$853.13</td>
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<td>$877.13</td>
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<tr>
<td>96”</td>
<td>120”</td>
<td>$905.70</td>
<td>$982.34</td>
<td>$993.68</td>
<td>$1005.69</td>
<td>$1017.68</td>
</tr>
<tr>
<td>30”</td>
<td>72”</td>
<td>$1046.25</td>
<td>$1122.89</td>
<td>$1134.23</td>
<td>$1146.24</td>
<td>$1158.23</td>
</tr>
<tr>
<td>96”</td>
<td>120”</td>
<td>$888.64</td>
<td>$965.28</td>
<td>$976.62</td>
<td>$988.63</td>
<td>$1000.62</td>
</tr>
<tr>
<td>120”</td>
<td>$1053.32</td>
<td>$1129.96</td>
<td>$1141.30</td>
<td>$1153.31</td>
<td>$1165.30</td>
<td></td>
</tr>
</tbody>
</table>

### To Order:
2) Laminate surface color.
3) Edge trim color.
4) Inlay trim color.
   - Anodized Matte – ZA-MT
5) Shelf laminate surface color.
6) Shelf edge trim color.
   - Anodized Matte – ZA-MT
7) Cushion fabric and color.

*Note: No flip top location only available with no power option.
*Note: Cutout Option flip top only available with 3 circuit, 4 circuit and Chicago hardwire power selections.
### Bench – Wood

<table>
<thead>
<tr>
<th>Depth: 22&quot;(559mm)</th>
<th></th>
<th></th>
<th></th>
<th>1-Circuit Power</th>
<th>1-Circuit Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 1/2&quot;(445mm)</td>
<td>SQBA-1772-40W</td>
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<td>SQBA-17C0-40W</td>
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<td>$5099.24</td>
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</table>

<table>
<thead>
<tr>
<th>Depth: 30&quot;(762mm)</th>
<th></th>
<th></th>
<th></th>
<th>1-Circuit Power</th>
<th>1-Circuit Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 1/2&quot;(445mm)</td>
<td>SQBD-1772-40W</td>
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<td>$5492.28</td>
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<td>$6055.84</td>
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<td>$6292.81</td>
<td>$6683.36</td>
</tr>
</tbody>
</table>

*Upcharge for Hardwire Option.

**Note:** Product number with code C0 = 120*(3048mm).

**Features:**
- Includes 3"(76mm) thick wood veneer horizontal top and 3"(76mm) thick wood veneer verticals with trim covers, structural support glide sleeves and attachment hardware.
- Removable trim cover with anodized aluminum inlay.
- Optional Shelf: centered under horizontal with 1"(25mm) inset on both sides; includes aluminum front edge.
- 22"(559mm) deep bench has 20"(508mm) deep shelf — 9"(229mm) access on each side.
- 30"(762mm) deep bench has 28"(711mm) deep shelf — 13"(330mm) access each side.
- If power option (1) is specified, a flip top cutout allows corded flip top unit cord to drop down to access power.
- If power option (3) (4) or (C) is specified, junction box is included; separately specify flip top unit with flexible metal conduit.
- If flip top location option (H) is specified, separately specify flip top unit with conduit (2 receptacles and 2 data ports)
- If power cutout options specified:
  - Base feed access door located in right-hand vertical and door cover in matching wood veneer.
  - Access door cutout is located above optional shelf.
- For optional Flip Top unit cutout placement, refer to Specification Guide. Flip Top unit separately specified.
- Optional cushion is full width of bench unless flip top unit cutout is specified.
- 22"(589mm) bench — on end
- 96"(2438mm) and 120"(3084mm) — centered
- Optional cushion is full width of bench unless flip top unit cutout is specified.
- 1"(25mm) range.
- Adjustable glide sleeves are Metallic Champagne.
- Ships unassembled.

**Specification Tip:**
- Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

### To Order, Specify:

1. **Cloth Option:**
   - **N** None
   - **S** Cloth, upcharge (list)

2. **Power Option:**
   - **N** None
   - **C** Chicago hardwire
   - **1** Single circuit
   - **3** 8-wire, 3-circuit
   - **4** 8-wire, 4-circuit

3. **Flip Top Location:**
   - **N** None
   - **H** One flip top (cutout only)

4. **Cushion Option:**
   - **C** Cushion, upcharge (list)

<table>
<thead>
<tr>
<th>Depth: 22&quot;(559mm)</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>17 1/2&quot;(445mm)</td>
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<td>$841.79</td>
<td>$853.13</td>
<td>$865.14</td>
<td>$877.11</td>
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<tr>
<td>102&quot;(2591mm)</td>
<td>$903.70</td>
<td>$982.34</td>
<td>$993.68</td>
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<td>$1017.68</td>
</tr>
<tr>
<td>126&quot;(3200mm)</td>
<td>$1046.25</td>
<td>$1122.89</td>
<td>$1134.23</td>
<td>$1146.24</td>
<td>$1158.23</td>
</tr>
<tr>
<td>30&quot;(762mm)</td>
<td>$888.64</td>
<td>$965.28</td>
<td>$976.62</td>
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<tr>
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</tr>
</tbody>
</table>

**Note:** Donotmix3-or4-circuitPatternsproductsmanufacturedprior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

2. **Wood finish color.
3. **Inlay trim color.
   - Anodized Matte – ZA-MT
4. **Shelf wood finish color.
5. **Shelf edge trim color.
   - Anodized Matte – ZA-MT

**Note:** No flip top location, only available with no power option.

**Note:** Cutout option flip top only available with 3 circuit, 4 circuit and Chicago hardwire power selections.
## Bench – Cushion

<table>
<thead>
<tr>
<th>Depth</th>
<th>Width</th>
<th>Number</th>
<th>Fabric Grade</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<tr>
<td>No Power Bench Cushion</td>
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<td></td>
<td></td>
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<tr>
<td>22&quot;(559mm)</td>
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</tr>
<tr>
<td></td>
<td>96&quot;(2438mm)</td>
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<td></td>
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<tr>
<td>Powered Bench Cushion</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>22&quot;(559mm)</td>
<td>72&quot;(1829mm)</td>
<td>SQBC-2272-F3</td>
<td>$ 790.71</td>
<td>$867.35</td>
<td>$878.71</td>
<td>$929.84</td>
<td>$945.45</td>
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<tr>
<td></td>
<td>96&quot;(2438mm)</td>
<td>SQBC-2296-F3</td>
<td>965.32</td>
<td>1064.95</td>
<td>1102.35</td>
<td>1141.37</td>
<td>1224.32</td>
<td></td>
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<tr>
<td></td>
<td>120&quot;(3048mm)</td>
<td>SQBC-22CD-F3</td>
<td>1139.93</td>
<td>1262.55</td>
<td>1325.99</td>
<td>1352.90</td>
<td>1503.19</td>
<td></td>
</tr>
<tr>
<td>30&quot;(762mm)</td>
<td>72&quot;(1829mm)</td>
<td>SQBC-3072-F3</td>
<td>$ 961.07</td>
<td>$1058.80</td>
<td>$1094.02</td>
<td>$1170.45</td>
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<td></td>
<td>96&quot;(2438mm)</td>
<td>SQBC-3096-F3</td>
<td>1155.56</td>
<td>1279.27</td>
<td>1343.88</td>
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<td>120&quot;(3048mm)</td>
<td>SQBC-30CD-F3</td>
<td>1330.17</td>
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<td>1567.52</td>
<td>1623.32</td>
<td>1802.52</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Product number with code C0 = 120"(3048mm).

**Features**
- Includes cushion(s) with non-slip discs for use on Patterns Bench:
  - 72"(1829mm) — one cushion — with or without power
  - 96"(2438mm)-120"(3048mm) — two cushions on powered bench; one cushion on non-powered bench
- Cushions are two-sided reversible fabric and 3/4"(19mm) thick.
  
  Refer to Specification Guide for cushion sizes.

**To Order, Specify:**
1) Product number.
2) Fabric and color.
## Electrical Components – Infeed Harness

<table>
<thead>
<tr>
<th>Length (1829mm)</th>
<th>Diameter (13mm)</th>
<th>Number</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>72”</td>
<td>1/2”</td>
<td>EQEB-0000-3</td>
<td>includes wire</td>
<td>$188.78</td>
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<tr>
<td></td>
<td></td>
<td>EQEB-0000-4</td>
<td>includes wire</td>
<td>188.78</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EQEB-0000-C</td>
<td>conduit only</td>
<td>76.64</td>
</tr>
</tbody>
</table>

### Features
- 3- and 4-circuit include 72”(1829mm) length of 1/2”(13mm) flexible metal conduit and male modular connector for connection to PDA at base of vertical.
- For floor, wall or column hardwire connections to fixed power installations.
- Hardwire (C) includes 72”(1829mm) length of 1/2”(13mm) Liquid Tight conduit and 1/2” conduit fitting for connection to junction box at base of vertical.
- Option (3) includes:
  - 3 hots
  - 3 neutrals
  - 1 ground wire
  - 1 isolated ground
- Option (4) includes:
  - 4 hots
  - 2 neutrals
  - 1 ground wire
  - 1 isolated ground wire
- Option (C), no wire included
- Hardwire is charcoal finish color only.

### Specification Tips
- For use with workwalls, file enclosures, benches and 30”(762mm) deep studio tables.
- For use with 120 volt, 60 hertz power sources.
- 3”(1600mm) deep studio tables require two Infeed Harnesses.
- 3- and 4-circuit enter vertical element at base and connect to PDA.
- Hardwire conduit enters vertical element at base and connects to base level junction box.
- Conduit exits from under glide sleeve of vertical element and extends 4’(1219mm).
- Attachment hardware is field supplied.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

### Notes
- Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.
- For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.

## Base Feed Cover

<table>
<thead>
<tr>
<th>Length (1829mm)</th>
<th>Number</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>72”</td>
<td>EQAB-0000</td>
<td>$216.38</td>
</tr>
</tbody>
</table>

### Features
- Includes 72”(1829mm) aluminum trough with top.
- Standard in Metallic Champagne.
- Field cuttable.

### Specification Tip
- For use in covering infeed harness conduit and communication cable from building to Patterns vertical.

### To Order, Specify:
1) Product number.
(No finish specification required.)
Electrical Components – Power Base™ Al Infeed Harness

<table>
<thead>
<tr>
<th>Length</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>77” (1956mm)</td>
<td>EQEB-0000- F</td>
<td>$283.91</td>
</tr>
</tbody>
</table>

**Features**

- Includes flexible conduit with male modular connectors at both ends.
- 3-circuit Power Base Al base feed includes eight 12-gauge wires for up to three 20-amp circuits of power.
- 4-circuit Power Base Al base feed includes eight 12-gauge wires and two 10-gauge wires for up to four 20-amp circuits of power.
- Refer to Specification Guide for planning information.
- Standard in charcoal finish color only.

**Specification Tips**

- For use with raised floors equipped with Power Base Al modular power.
- For use with 120 volt, 60 hertz power sources.
- UL listed manufactured wiring system rated for 20 Amp 208Y/120V or 120/240V 60 Hz and for use in other air handling spaces per NEC Article 604.
- Provides modular connection between zone distribution box and service modules, base feeds and modular wall feeds.
- Cannot connect jumpers/infeed harnesses to each other. Use splitter to join up to four jumpers/infeed harnesses.
- Excess infeed harness length can be coiled under floor.
- For use under 3” minimum finished floor height when used with TecCrete®.
- Connects to PDA in vertical.
- Conduit exits from under glide sleeve of vertical and extends through raised floor tile: 4’ (1219mm).
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

**Notes:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.
### Electrical Components – Vertical Jumper

<table>
<thead>
<tr>
<th>Actual Jumper Length</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>44” (1118 mm)</td>
<td>EQEJ-0044</td>
<td>$153.89</td>
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<tr>
<td>54” (1372 mm)</td>
<td>EQEJ-0054</td>
<td>$182.05</td>
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<tr>
<td>60” (1524 mm)</td>
<td>EQEJ-0060</td>
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<tr>
<td>74” (1880 mm)</td>
<td>EQEJ-0074</td>
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<td>92” (2337 mm)</td>
<td>EQEJ-0092</td>
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</tr>
<tr>
<td>106” (2692 mm)</td>
<td>EQEJ-00A6</td>
<td>$414.32</td>
</tr>
</tbody>
</table>

**Features**
- 3-circuit and 4-circuit includes modular connector heads and conduit for connection to PDA and 4-port splitter.
- 3-circuit vertical jumper includes eight 12-gauge wires for up to three 20-amp circuits of power.
- 4-circuit vertical jumper includes six 12-gauge wires and two 10-gauge wires for up to four 20-amp circuits of power.
- Refer to Specification Guide for planning information.

**Specification Tips**
- For use with workwalls, file enclosures and studio tables.
- For use with 120 volt 60 hertz power source only.
- 3- and 4-circuit vertical jumper is factory installed.
- Hardwire applications require field supplied flexible conduit.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

**Notes:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.
### Electrical Components – Horizontal Jumper

#### Features
- Includes flexible conduit with male modular connectors at both ends.
- 3-circuit horizontal jumper includes eight 12-gauge wires for up to three 20-amp circuits of power.
- 4-circuit horizontal jumper includes six 12-gauge wires and two 10-gauge wires for up to four 20-amp circuits of power.
- Refer to Specification Guide for planning information.

#### Specification Tips
- For use with workwalls, file enclosures and studio tables.
- For use with 120 volt 60 hertz power source only.
- Multiple jumpers are required to pass through multiple horizontal tops.
- Cannot connect jumpers to each other. Use splitter to join up to four jumpers.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

#### Notes:
Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.

#### To Order, Specify:
1) Product number, including:

#### Power Options:
1. 3-wire, 3-circuit
2. 4-wire, 4-circuit

(No finish specification required.)

### 4-Port Splitter

#### Features
- Includes one 4-port splitter for connecting of vertical and horizontal power connectors.
- One 4-port splitter is provided with each powered vertical.

#### Specification Tips
- Use 4-port splitter to connect up to four jumpers together.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

#### Notes:
Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.

#### To Order, Specify:
1) Product number.
(No finish specification required.)
**Electrical Components – Top Feeds**

**Features**
- Includes junction box, ceiling bezel plates, top feed pole, vertical top trim cover and hardware.
- If power option (3) or (4) is specified, electrical harness is included.
- If power option (C) is specified, top feed pole is included and flexible conduit is field supplied.
- 3-circuit top feed includes eight 12-gauge wires for up to three 20-amp circuits of power.
- 4-circuit top feed includes six 12-gauge wires and two 10-gauge wires for up to four 20-amp circuits of power.
- Routes power and communication cabling from ceiling to Patterns workwalls and file enclosures.
- Top feed pole has removable cover providing access to the vertical channel.
- Top feed pole dimensions: 4 1/4”(115mm) x 2”(51mm)

**Specification Tips**
- For use with 120 volt 60 hertz power source only.
- Required when the building's power source is located in the space above the ceiling.
- Top feeds require field drilled hole in top of vertical and attach to vertical top trim. Refer to Specification Guide.
- Top feed not available for bench application.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

**Notes:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

**For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.**

---

### Application | Product Height | 10 Foot Ceiling Pole Length | Harness Length | 12 Foot Ceiling Pole Length | Harness Length
--- | --- | --- | --- | --- | ---
File Enclosure | 30 1/2”(775mm) | 100”(2540mm) | 144”(3658mm) | 119”(3023mm) | 144”(3658mm)
 | 42 1/2”(1080mm) | 100”(2540mm) | 144”(3658mm) | 119”(3023mm) | 144”(3658mm)
 | 54 1/2”(1384mm) | 76”(1930mm) | 96”(2438mm) | 100”(2540mm) | 144”(3658mm)
 | 66 1/2”(1689mm) | 76”(1930mm) | 96”(2438mm) | 100”(2540mm) | 144”(3658mm)
Workwall | 44 1/2”(1130mm) | 100”(2540mm) | 144”(3658mm) | 119”(3023mm) | 144”(3658mm)
 | 60 1/2”(1537mm) | 76”(1930mm) | 96”(2438mm) | 100”(2540mm) | 144”(3658mm)
 | 76 1/2”(1943mm) | 52”(1321mm) | 77”(1956mm) | 76”(1930mm) | 96”(2438mm)
 | 92 1/2”(2350mm) | 52”(1321mm) | 77”(1956mm) | 76”(1930mm) | 96”(2438mm)
Studio Table | 29” | 100”(2540mm) | 144”(3658mm) | 119”(3023mm) | 144”(3658mm)
Electrical Components – Top Feed Harness

<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular</td>
<td>96&quot; (2438mm)</td>
<td>EQTH-9600-</td>
<td>$186.48</td>
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<tr>
<td></td>
<td>144&quot; (3658mm)</td>
<td>EQTH-E400-</td>
<td>226.00</td>
</tr>
<tr>
<td></td>
<td>240&quot; (6096mm)</td>
<td>EQTH-Q000-</td>
<td>305.04</td>
</tr>
</tbody>
</table>

Note: Product number length code E4=144” (3658mm), Q0 = 240” (6096mm)

Features
- Includes flexible conduit harness with modular connector head on one end.
- 3-circuit top feed includes eight 12-gauge wires for up to three 20-amp circuits of power.
- 4-circuit top feed includes six 12-gauge wires and two 10-gauge wires for up to four 20-amp circuits of power.

Specification Tips
- Specify top feed harness with non-powered top feed for non-standard applications. Refer to Specification Guide for details.
- For use with 120 volt 60 hertz power source only.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

Notes: Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.

To Order, Specify:
1) Product number, including:

Power Options:
- 8-wire, 3-circuit
- 8-wire, 4-circuit

(No finish specification required.)
## Electrical Components – Flip Top Unit with Conduit

### Bezel Width | Bezel Depth | Description | Number | Price
---|---|---|---|---
8 5/16”(211mm) | 4 3/8”(111mm) | 3-Circuit 8-wire system | EQE1-0000-3221 | $576.35
4-Circuit 8-wire system | EQE1-0000-4221 | $576.35
Hardwire | EQE1-0000-C221 | 657.27

### Features
- Includes one flip top unit with power and communication outlets, mounting clips, flexible metal conduit feed with modular power connector, multiple data jack adapters to accommodate most varieties of field supplied data jacks and includes blank data covers.
- Bench flip top unit includes two power outlets and two data outlets (2.2) with 6 feet of 3/8”(10mm) flexible metal conduit.
- Hardwire option includes 6 feet of 3/8” flexible metal conduit.
- Flip Top units standard with common ground; isolated ground option (G) available.
- File enclosure, studio table, reference return and reference top flip top units include three power outlets and three communication outlets (3.3).
- Flip top unit is flush mounted with spring release cover.
- Flip top unit overall height is 2 3/4”(70mm) and fits within 3”(76mm) thick horizontal.
- Standard in anodized finish with white outlets.
- Ships assembled.

### Specification Tips
- For use with bench, studio table, file enclosure, reference return and reference top where power and communication are required and if power options (3), (4) or (C) have been specified.
- For use with 120 volt 60 hertz power source only.
- Specify the circuit number (1 through 4) the flip top unit will access for modular power connector.
- Refer to Specification Guide for flip top unit placement when field retrofitting.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

### Notes:
- Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.
- For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.

### To Order, Specify:
1) Product number, including:

<table>
<thead>
<tr>
<th>Circuit Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
</tbody>
</table>

(No finish specification required.)
**Electrical Components – Flip Top Unit with Cord**

**Bezel Width** | **Bezel Depth** | **Number** | **Price**
--- | --- | --- | ---
For Use with Bench | 8 5/16”(211mm) | 4 3/8”(111mm) | EUE1-0000-1221W | $568.64
For Use with Studio Table, Reference Return, Reference Top | 11 1/4”(286mm) | 4 3/8”(111mm) | EUE1-0000-1331W | $568.64

**Features**
- Includes one flip top unit with power and communication outlets, 12 foot long – 15-amp cord with plug, mounting clips, multiple data jack adapters to accommodate most varieties of field supplied data jacks and includes blank data covers.
- Bench flip top unit includes two power outlets and two communication outlets (2.2).
- Studio table, reference return and reference top flip top units include three power outlets and three data outlets (3.3).
- Flip top unit is flush mounted with spring release cover.
- Flip top unit overall height is 2 3/4”(70mm) and fits within 3”(76mm) thick horizontal; will extend below 1 3/16”(30mm) and 2”(51mm) thick horizontal surfaces.
- Flip top unit cord exits from bottom of 3”(76mm) thick horizontal.
- Standard in anodized finish.
- Ships assembled.

**Specification Tips**
- For use with bench, studio table, reference return and reference top where power and communication are required and if power option (1) has been specified.
- For use with 120 volt 60 hertz power source only.
- Flip top cord drops down from bottom of flip top unit for plugging into external power supply.
- Flip top unit can be field retrofitted, and used in worksurface application with field cut opening.
- For field retrofitting, cutout openings are:
  - 2.2 — 7 7/8”(200mm) wide x 4”(102mm) deep
  - 3.3 — 10 7/8”(276mm) wide x 4”(102mm) deep
- Flip top unit not for use with file enclosure due to cord/file limitations.
- Cord use applications should be reviewed by local authorities (electrical inspector) prior to ordering.
- Electrical applications require prior approval by authority having jurisdiction.
- Do not mix 3-circuit with 4-circuit components.

To Order, Specify:
1) Product number. (No finish specification required.)
## Modular Receptacle — 15 Amp Duplex

### Description
- Includes one 15 Amp duplex modular receptacle (NEMA 5-15R).
- Specify receptacle trim color.

### Specification Tips
- For use with Patterns Vertical equipped with 3- or 4-circuit PDA's.
- Receptacles have fixed circuit access and are not field programmable. Specify appropriate number of receptacles for each circuit.
- Receptacles are circuit and ground-type specific.
- Not for use with power sources other than 120 volt 60 hertz.
- Do not mix 3-circuit with 4-circuit components.

### Notes:
Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.

### To Order, Specify:
1. Product number.
2. Trim color.
   (Not available in metallic or accent trim colors.)

---

<table>
<thead>
<tr>
<th>Description</th>
<th>Building Wiring</th>
<th>Circuit Access</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3-Circuit</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grounded</td>
<td>3-3-2</td>
<td>1</td>
<td>EQER-0015-31G</td>
<td>$24.12</td>
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<td>3-3-2</td>
<td>2</td>
<td>EQER-0015-32G</td>
<td>$24.12</td>
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<td>3-3-2</td>
<td>3</td>
<td>EQER-0015-33G</td>
<td>$24.12</td>
</tr>
<tr>
<td>Isolated</td>
<td>3-3-2</td>
<td>1</td>
<td>EQER-0015-31I</td>
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<tr>
<td></td>
<td>3-3-2</td>
<td>2</td>
<td>EQER-0015-32I</td>
<td>$24.12</td>
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<tr>
<td></td>
<td>3-3-2</td>
<td>3</td>
<td>EQER-0015-33I</td>
<td>$24.12</td>
</tr>
<tr>
<td><strong>4-Circuit</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Grounded</td>
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<td>1</td>
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<td>$24.12</td>
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<td>EQER-0015-42G</td>
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<tr>
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<td>2+2 or 3+1</td>
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<td>EQER-0015-43G</td>
<td>$24.12</td>
</tr>
<tr>
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<td>3+1</td>
<td>3</td>
<td>EQER-0015-43G</td>
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<tr>
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<td>2+2 or 3+1</td>
<td>4</td>
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<td>$24.12</td>
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<tr>
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<td>2+2 or 3+1</td>
<td>1</td>
<td>EQER-0015-41I</td>
<td>$24.12</td>
</tr>
<tr>
<td></td>
<td>2+2 or 3+1</td>
<td>2</td>
<td>EQER-0015-42I</td>
<td>$24.12</td>
</tr>
<tr>
<td></td>
<td>2+2</td>
<td>3</td>
<td>EQER-0015-43I</td>
<td>$24.12</td>
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<tr>
<td></td>
<td>3+1</td>
<td>3</td>
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<td>2+2 or 3+1</td>
<td>4</td>
<td>EQER-0015-44I</td>
<td>$24.12</td>
</tr>
</tbody>
</table>

---

### Data Blank Cover

#### Features
- Includes one Modular Furniture Telecommunications blank cover.
- Used to cover unused 1.38”high x 2.71”wide data openings in Vertical Base or Vertical Desk Height power and communications bezel.

#### Specification Tip
- For use with Patterns Vertical equipped with 3- or 4-circuit PDA.

#### Notes:
Not for use with Patterns products manufactured prior to August 27, 2012. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.

#### To Order, Specify:
1. Product number.
2. Non-metallic trim color.

---

<table>
<thead>
<tr>
<th>Description</th>
<th>1 5/8”(41mm)</th>
<th>3 1/8”(79mm)</th>
<th>VZAD-0000-R</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td><strong>Data Blank Cover</strong></td>
<td></td>
<td></td>
<td>VZAD-0000-R</td>
<td>$3.92</td>
</tr>
</tbody>
</table>

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Canadian Conversion Factor: Refer to haworth.com/Canada
### Modular Receptacle — 20 Amp Duplex

<table>
<thead>
<tr>
<th>Description</th>
<th>Building Wiring</th>
<th>Circuit Access</th>
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**Features**
- Includes one 20 Amp duplex modular receptacle (NEMA 5-20R).
- Specify receptacle trim color.

**Specification Tips**
- For use with Patterns Vertical equipped with 3- or 4-circuit PDA's.
- Receptacles have fixed circuit access and are not field programmable. Specify appropriate number of receptacles for each circuit.
- Receptacles are circuit and ground-type specific.
- Not for use with power sources other than 120 volt 60 hertz.
- Do not mix 3-circuit with 4-circuit components.

**Notes:** Do not mix 3- or 4-circuit Patterns products manufactured prior to August 27, 2012 as electrical components have changed. Refer to Patterns Power Change pages for additional information.

For Patterns electrical components manufactured prior to August 27, 2012, refer to eParts.

**To Order, Specify:**
1) Product number.
2) Trim color.
   (Not available in metallic trim colors.)
## Electrical Components – Hardwire

### Receptacles – Duplex

<table>
<thead>
<tr>
<th>Description</th>
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<td>20 amp</td>
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**Feature**
- Includes package of four Decora™ style duplex receptacles.

**Specification Tips**
- Used for adding receptacles to existing hardwired junction box.
- For use with 120 volt, 60 hertz power sources.
- Each duplex receptacle has two outlets.
- Receptacles are standard when ordering workwalls or studio tables.

**To Order, Specify:**
1) Product number.
2) Trim color.
   - Gray Tone - TR-G
   - White - TR-W

*Note: Supplier colors

### Wall Plate – Hardwire

<table>
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<td>EQAP-0000</td>
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<td>$24.13</td>
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</tbody>
</table>

**Feature**
- Includes package of two 3-gang Decora™ style wall plates.

**Specification Tip**
- For use in converting non-powered hardwired to powered.

**To Order, Specify:**
1) Product number.
2) Trim color.
   - Gray Tone - TR-G
   - White - TR-W

*Note: Supplier colors

### Junction Box

<table>
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<tr>
<th>Description</th>
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<td>Workwall, File Enclosure, Studio Table Junction Box</td>
<td>EQEG-0604-N</td>
<td>122.07</td>
</tr>
</tbody>
</table>

**Features**
- Bench junction box includes junction box and blank cover.
- Workwall, file enclosure and studio table with hardwire option includes junction box, mud ring, blank cover and communication bracket.

**Specification Tips**
- Used for adding additional outlets to hardwired vertical elements.
- For use with 120 volt, 60 hertz power sources.
- Position option relates to left/right or center location of vertical element:
  - Left/right are for single side power application
  - Centered is for back-to-back power application
- Refer to Specification Guide for planning information.

**To Order, Specify:**
1) Product number, including:

**Position Options:**
- L Left hand
- R Right hand
- C Centered

(No finish specification required.)
Workwall – Task Light

### Mounting Channel Width | Light Fixture Width | Number | Price A | Price B
---|---|---|---|---
Workwall – Task Light with Mounting Channel
72" (1829mm) | 35" (889mm) | LQTS-0072-16UEPS | $501.48 | $521.21
96" (2438mm) | LQTS-0096-16UEPS | $560.76 | $585.29
120" (3048mm) | LQTS-00C0-16UEPS | $620.04 | $649.37

**Note:** Product number width code C0 = 120" (3048mm).

**Features**
- Includes task light, lamp, lens, switch, 6 foot white cord with 15-amp plug, mounting channel and attachment hardware.
- Lamp includes lens, lower mercury content T-5 optic fluorescent lamp with 3500K color electronic, and ballast.
- 35" (889mm) light fixture is adjustable side-to-side within mounting channel.
- Mounting channel is 1" (25mm) high x 2" (51mm) deep.
- Refer to Specification Guide for planning information.

**Specification Tips**
- For use with 120 volt 60 hertz electrical systems only.
- Attaches to workwall 3" (76mm) horizontals and suspended laminate or wood shelving.
- Refer to specification guide for appropriate task light size combinations to fill workwall or suspended shelf entire width.
- Not for use with glass shelving.

**To Order, Specify:**
1) Product number, including:
2) Mounting channel finish color.
   Plaster - TR-TW
   Metallic trim colors.

---

Workwall – Task Light without Mounting Channel

### Light Fixture Width | Number | Price
---|---|---
23" (584mm) | LQTS-0023-16UEPS | $380.45
35" (889mm) | LQTS-0035-16UEPS | $410.09
47" (1194mm) | LQTS-0047-16UEPS | $439.73
59" (1499mm) | LQTS-0059-16UEPS | $469.37

**Features**
- Includes task light, lamp, lens, daisy chain coupler and attachment hardware.
- Lamp includes lens, lower mercury content T-5 optic fluorescent lamp with 3500K color electronic, and ballast.

**Specification Tips**
- Available for use only with workwall task light with mounting channel to increase light output.
- For use with 120 volt 60 hertz electrical systems only.
- Not for use with glass shelving.
- Task light without mounting channel can only be attached to task light with mounting channel which has hardwire option.

**To Order, Specify:**
1) Product number.
   (No finish specification required.)

**Note:** Mounting channel not included.
## Adaptable Worksurface – Rectangular Convergent–Laminate

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<thead>
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<th>Width (mm)</th>
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<th>(M) Laminate</th>
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<tr>
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### Features
- Includes one 1 3/16” (30mm) or 2” (51mm) thick worksurface.
- 1 3/16” (30mm) thick laminate worksurface with 3mm edgeband on user edges and 1mm edgeband on ends.
- 2” (51mm) thick laminate worksurface with 3mm edgeband on all sides.
- Worksurface predrilled to accept column, disc base and worksurface support ends.
- Depths and widths shown in nominal dimensions.

### Specification Tips
- Rectangular convergent worksurface connects flush;
  - to studio table or worksurface at 90 degrees
  - flush/float to worksurfaces, workwall credenza top
  - float to floor supported shelves. Refer to Specification Guide for applications.
- Workwall credenza top and worksurface must be same thickness for flush applications.
- Spans 50” (1270mm) and greater; requires separately specified worksurface reinforcement channel.
- Refer to Specification Guide for appropriate storage specifications.
- Grommets for use with BRAZO or LIM grommet mounted lights available for field installation – order separately.
- Separately specified products:
  - Attachment brackets
  - Disc base or column
  - Double Support leg
  - Worksurface support end

### To Order, Specify:
1. Product number, including:
   - **Core Option:**
     - S Standard, 1 3/16” thick
     - M 2” thick
   - Laminate surface color.
   - Edge trim color.
2. Laminate surface color.
3. Edge trim color.

---

**Features**

- Includes one 1 3/16” (30mm) or 2” (51mm) thick worksurface.
- 1 3/16” (30mm) thick laminate worksurface with 3mm edgeband on user edges and 1mm edgeband on ends.
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- Separately specified products:
  - Attachment brackets
  - Disc base or column
  - Double Support leg
  - Worksurface support end

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**Canadian Conversion Factor:** Refer to haworth.com/Canada

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**Patterns Price List**

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**Class CA**

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February 2020 / N.A.
## Adaptable Worksurface – Rectangular Convergent – Wood

### Adjustable Worksurface – Rectangular Convergent – Wood

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<th>(M) Wood Group A</th>
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<td>42&quot;(1067mm)</td>
<td>WURV-3096-WK</td>
<td>1734.18</td>
<td>1821.99</td>
<td>2020.92</td>
<td>2123.73</td>
</tr>
<tr>
<td>36&quot;(914mm)</td>
<td>42&quot;(1067mm)</td>
<td>WURV-3642-WK</td>
<td>$1075.98</td>
<td>$1119.51</td>
<td>$1266.72</td>
<td>$1310.25</td>
</tr>
<tr>
<td>48&quot;(1219mm)</td>
<td>42&quot;(1067mm)</td>
<td>WURV-3648-WK</td>
<td>1198.14</td>
<td>1247.41</td>
<td>1388.88</td>
<td>1438.15</td>
</tr>
<tr>
<td>54&quot;(1372mm)</td>
<td>42&quot;(1067mm)</td>
<td>WURV-3654-WK</td>
<td>1320.30</td>
<td>1373.67</td>
<td>1511.04</td>
<td>1564.41</td>
</tr>
<tr>
<td>60&quot;(1524mm)</td>
<td>42&quot;(1067mm)</td>
<td>WURV-3660-WK</td>
<td>1442.46</td>
<td>1501.57</td>
<td>1633.20</td>
<td>1692.31</td>
</tr>
<tr>
<td>66&quot;(1676mm)</td>
<td>42&quot;(1067mm)</td>
<td>WURV-3666-WK</td>
<td>1564.62</td>
<td>1628.65</td>
<td>1755.36</td>
<td>1819.39</td>
</tr>
<tr>
<td>72&quot;(1829mm)</td>
<td>42&quot;(1067mm)</td>
<td>WURV-3672-WK</td>
<td>1686.78</td>
<td>1754.91</td>
<td>1877.52</td>
<td>1945.65</td>
</tr>
<tr>
<td>78&quot;(1981mm)</td>
<td>42&quot;(1067mm)</td>
<td>WURV-3678-WK</td>
<td>1808.94</td>
<td>1882.81</td>
<td>2009.07</td>
<td>2073.55</td>
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<tr>
<td>84&quot;(2134mm)</td>
<td>42&quot;(1067mm)</td>
<td>WURV-3684-WK</td>
<td>1931.10</td>
<td>2009.07</td>
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<tr>
<td>90&quot;(2286mm)</td>
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<td>WURV-3690-WK</td>
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<td>2326.89</td>
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<tr>
<td>96&quot;(2438mm)</td>
<td>42&quot;(1067mm)</td>
<td>WURV-3696-WK</td>
<td>2175.42</td>
<td>2263.23</td>
<td>2366.16</td>
<td>2453.97</td>
</tr>
</tbody>
</table>

### Features
- Includes one 1 3/16" (30mm) or 2" (51mm) thick worksurface.
- 1 3/16" (30mm) thick wood veneer worksurface with 3mm edgeband on user edges and 1mm edgeband on ends.
- 2" (51mm) thick wood veneer worksurface with 3mm edgeband on all sides.
- Worksurface predrilled to accept column, disc base and worksurface support ends.
- Depths and widths shown in nominal dimensions.

### Specification Tips
- Rectangular convergent worksurface connects flush; to studio table or worksurface at 90 degrees.
- Flush/ floating to worksurfaces, workwall credenza top; floating to floor supported shelves. Refer to Specification Guide for applications.
- Workwall credenza top and worksurface must be same thickness for flush applications.
- Spans 50" (1270 mm) and greater; requires separately specified worksurface reinforcement channel.
- Refer to Specification Guide for appropriate storage specifications.
- Grommets for use with BRAZO or LIM grommet mounted lights available for field installation – order separately.
- Separately specified products:
  - Attachment brackets
  - Disc base or column
  - Double Support leg
  - Worksurface support end

### To Order, Specify:
1) Product number, including:
   1) Core Option:
      - S Standard, 1 3/16" thick
      - M 2" thick
   2) Wood finish color.

### Canadian Conversion Factor:
Refer to haworth.com/Canada

Class CA

94 February 2020 / N.A.

HAWORTH
### Adaptable Worksurfaces – Laminate

#### Adaptable Worksurface – Key Conference End – Laminate

<table>
<thead>
<tr>
<th>Depth</th>
<th>Width</th>
<th>Number</th>
<th>(S) Laminate</th>
<th>(M) Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>39” (991mm)</td>
<td>30” (762mm)</td>
<td>WURY-3930-LJ</td>
<td>$849.15</td>
<td>$1731.82</td>
</tr>
<tr>
<td>39” (991mm)</td>
<td>51” (1295mm)</td>
<td>WURY-5130-LJ</td>
<td>$853.77</td>
<td>$1736.44</td>
</tr>
<tr>
<td>36” (914mm)</td>
<td>36” (914mm)</td>
<td>WURY-6336-LJ</td>
<td>$876.73</td>
<td>$1781.00</td>
</tr>
<tr>
<td>42” (1067mm)</td>
<td>42” (1067mm)</td>
<td>WURY-6342-LJ</td>
<td>$895.07</td>
<td>$1820.94</td>
</tr>
<tr>
<td>48” (1219mm)</td>
<td>48” (1219mm)</td>
<td>WURY-6348-LJ</td>
<td>$913.41</td>
<td>$1860.88</td>
</tr>
</tbody>
</table>

**Features**
- Includes 1 3/16” (30mm) or 2” (51mm) thick worksurface and tie plate.
- 1 3/16” (30mm) thick laminate worksurface with 3mm edgeband on user edges and 1mm edgeband on back edge.
- 2” (51mm) thick laminate worksurface with 3mm edgeband all edges.
- Worksurface predrilled to accept most support options and worksurface support ends.
- Depths and widths shown in nominal dimensions.

**Specification Tips**
- When key conference end is used with worksurface support ends; separately specify key conference end bracket.
- Key end worksurface connects flush to ends of two rectangular convergent worksurface with 3” (76mm) gap.
- Key end worksurface thickness must match worksurface it’s attached to.
- Separately specified products:
  - Support column
  - Disc base
  - Key conference end bracket

#### To Order, Specify:
1) Product number, including:
   - Core Option:
     - S Standard, 1 3/16” thick
     - M 2” thick
2) Laminate surface color.
3) Edge trim color.

#### Adaptable Worksurface – Rectangular Key – Laminate

<table>
<thead>
<tr>
<th>Depth</th>
<th>Width</th>
<th>Number</th>
<th>(S) Laminate</th>
<th>(M) Laminate</th>
</tr>
</thead>
<tbody>
<tr>
<td>30” (762mm)</td>
<td>36” (914mm)</td>
<td>WURY-3036-LJ</td>
<td>$690.58</td>
<td>$1104.44</td>
</tr>
<tr>
<td>48” (1219mm)</td>
<td>48” (1219mm)</td>
<td>WURY-3048-LJ</td>
<td>$734.07</td>
<td>$1174.25</td>
</tr>
<tr>
<td>36” (914mm)</td>
<td>48” (1219mm)</td>
<td>WURY-3648-LJ</td>
<td>$779.04</td>
<td>$1246.39</td>
</tr>
<tr>
<td>60” (1524mm)</td>
<td>60” (1524mm)</td>
<td>WURY-3660-LJ</td>
<td>$822.53</td>
<td>$1316.20</td>
</tr>
<tr>
<td>72” (1829mm)</td>
<td>72” (1829mm)</td>
<td>WURY-3672-LJ</td>
<td>$866.02</td>
<td>$1386.01</td>
</tr>
<tr>
<td>42” (1067mm)</td>
<td>42” (1067mm)</td>
<td>WURY-4260-LJ</td>
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<td>$1388.34</td>
</tr>
<tr>
<td>48” (1219mm)</td>
<td>48” (1219mm)</td>
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</tr>
<tr>
<td>60” (1524mm)</td>
<td>60” (1524mm)</td>
<td>WURY-4860-LJ</td>
<td>$912.47</td>
<td>$1460.48</td>
</tr>
<tr>
<td>72” (1829mm)</td>
<td>72” (1829mm)</td>
<td>WURY-4872-LJ</td>
<td>$955.96</td>
<td>$1530.29</td>
</tr>
</tbody>
</table>

**Features**
- Includes 1 3/16” (30mm) or 2” (51mm) thick worksurface and attachment hardware.
- 1 3/16” (30mm) thick laminate worksurface with 3mm edgeband on user edges and 1mm edgeband on back edge.
- 2” (51mm) thick laminate worksurface with 3mm edgeband all edges.
- Worksurface predrilled to accept most support options.

**Specification Tips**
- Rectangular key worksurface connects flush to studio table or workwall credenza top.
- Rectangular key worksurface and workwall credenza top must be same thickness.
- If attached to studio table, separately specify studio table Z-bracket.
- Separately specified products:
  - Support column
  - Disc base
  - Flush mount plate (workwall applications)

#### To Order, Specify:
1) Product number, including:
   - Core Option:
     - S Standard, 1 3/16” thick
     - M 2” thick
2) Laminate surface color.
3) Edge trim color.
Adaptable Worksurfaces – Wood

### Adaptable Worksurface – Key Conference End – Wood

<table>
<thead>
<tr>
<th>Depth (mm)</th>
<th>Width (mm)</th>
<th>Number</th>
<th>(S) Wood Group A</th>
<th>(S) Wood Group B</th>
<th>(M) Wood Group A</th>
<th>(M) Wood Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>39”(991)</td>
<td>30”(762)</td>
<td>WURY-3930-WK</td>
<td>$2301.62</td>
<td>$2464.26</td>
<td>$3184.29</td>
<td>$3346.93</td>
</tr>
<tr>
<td>51”(1295)</td>
<td>30”(762)</td>
<td>WURY-5130-WK</td>
<td>$2305.85</td>
<td>$2469.22</td>
<td>$3188.52</td>
<td>$3351.89</td>
</tr>
<tr>
<td>36”(914)</td>
<td>30”(762)</td>
<td>WURY-3630-WK</td>
<td>$2359.97</td>
<td>$2533.04</td>
<td>$3264.24</td>
<td>$3437.31</td>
</tr>
<tr>
<td>63”(1600)</td>
<td>36”(914)</td>
<td>WURY-6336-WK</td>
<td>$2364.20</td>
<td>$2538.00</td>
<td>$3268.47</td>
<td>$3442.27</td>
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</tbody>
</table>

Features
- Includes 1 3/16”(30mm) or 2”(51mm) thick worksurface and tie plate.
- 1 3/16”(30mm) thick wood veneer worksurface with 3mm edgeband on user edges and 1mm edgeband on back edge.
- 2”(51mm) thick wood veneer worksurface with 3mm edgeband all edges.
- Worksurface predrilled to accept most support options and worksurface support ends.
- Depths and widths shown in nominal dimensions.

### Adaptable Worksurface – Rectangular Key – Wood

<table>
<thead>
<tr>
<th>Depth (mm)</th>
<th>Width (mm)</th>
<th>Number</th>
<th>(S) Wood Group A</th>
<th>(S) Wood Group B</th>
<th>(M) Wood Group A</th>
<th>(M) Wood Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>30”(762)</td>
<td>36”(914)</td>
<td>WURY-3036-WK</td>
<td>$1883.95</td>
<td>$1996.37</td>
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<td>48”(1219)</td>
<td>36”(914)</td>
<td>WURY-4836-WK</td>
<td>$2101.38</td>
<td>$2252.47</td>
<td>$2568.73</td>
<td>$2719.82</td>
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<tr>
<td>36”(914)</td>
<td>48”(1219)</td>
<td>WURY-3648-WK</td>
<td>$1984.63</td>
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<td>$2555.15</td>
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<tr>
<td>60”(1524)</td>
<td>48”(1219)</td>
<td>WURY-4846-WK</td>
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<td>$3029.41</td>
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<td>48”(1219)</td>
<td>WURY-4872-WK</td>
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<td>$3098.57</td>
<td>$3339.00</td>
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</table>

Features
- Includes 1 3/16”(30mm) or 2”(51mm) thick worksurface and tie plate.
- 1 3/16”(30mm) thick wood veneer worksurface with 3mm edgeband on user edges and 1mm edgeband on back edge.
- 2”(51mm) thick wood veneer worksurface with 3mm edgeband all edges.
- Worksurface predrilled to accept most support options.

### Specification Tips
- When key conference end is used with worksurface support ends; separately specify key conference end bracket.
- Key end worksurface connects flush to ends of two rectangular convergent worksurface with 3”(76mm) gap.
- Key end worksurface thickness must match worksurface it’s attached to
- Separately specified products:
  - Support column
  - Disc base
  - Key conference end bracket

To Order, Specify:
1) Product number, including:
   - Core Option:
     - S Standard, 1 3/16” thick
     - M 2” thick
2) Wood finish color.
## Supports – Floating Brackets

### Floating Bracket – Worksurface

<table>
<thead>
<tr>
<th>Gap</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2” (38mm)</td>
<td>ZUBG-0117-PNX</td>
<td>$89.72</td>
</tr>
<tr>
<td>2 1/2” (64mm)</td>
<td>ZUBG-0217-PNX</td>
<td>$89.72</td>
</tr>
</tbody>
</table>

**Feature**
- Includes one non-handed bracket with attachment hardware.

**Specification Tips**
- For appropriate height specification of worksurface support end, refer to specification guide.
- Used for floating worksurface to workwall credenza top applications.
- Floating Bracket in convergent worksurface application; worksurface cannot use column or disc base floor support.
- Provides either 1 1/2” (38mm) or 2 1/2” (64mm) gap according to overall height requirements.
- Standard in metallic champagne.

### Floating Bracket – Floor Supported Shelf

<table>
<thead>
<tr>
<th>Gap</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2” (38mm)</td>
<td>ZUBG-0117-PNA</td>
<td>$89.72</td>
</tr>
<tr>
<td>2 1/2” (64mm)</td>
<td>ZUBG-0217-PNA</td>
<td>$89.72</td>
</tr>
</tbody>
</table>

**Feature**
- Includes two non-handed brackets with attachment hardware.

**Specification Tips**
- For appropriate height specification of worksurface support end, refer to specification guide.
- Used for floating worksurface to floor supported shelf applications.
- Floating Bracket in convergent worksurface application; worksurface cannot use column or disc base floor support.
- Provides either 1 1/2” (38mm) or 2 1/2” (64mm) gap according to overall height requirements.
- Standard in metallic champagne.

---

**To Order, Specify:**
1) Product number.
(No finish specification required.)
## Supports – Studio Table – Z-Bracket

<table>
<thead>
<tr>
<th>Worksurface Thickness</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 3/16”(30mm)</td>
<td>ZUBJ-0117-PNQ</td>
<td>$92.62</td>
</tr>
<tr>
<td>2”(51mm)</td>
<td>ZUBJ-0217-PNQ</td>
<td>$92.62</td>
</tr>
</tbody>
</table>

**Features**

- Includes one non-handed bracket and mounting hardware.
- Standard in metallic champagne.

**Specification Tip**

- Provides attachment of worksurface to a studio table.

**To Order, Specify:**

1) Product number.
   (No finish specification required.)

---

Pattern Price List

Class PT

Canadian Conversion Factor: Refer to haworth.com/Canada
# Worksurface Support End – Laminate

<table>
<thead>
<tr>
<th>Actual Height</th>
<th>Nominal Height</th>
<th>Depth</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2”(39mm)</td>
<td>23 1/2”(597mm)</td>
<td>26”(660mm)</td>
<td>18”(457mm)</td>
<td>ZUFS-1924-LNFJS</td>
</tr>
<tr>
<td>1 1/2”(38mm)</td>
<td>27”(686mm)</td>
<td>29”(737mm)</td>
<td>18”(457mm)</td>
<td>ZUFS-1927-LNFJS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>24”(610mm)</td>
<td>ZUFS-2427-LNFJS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30”(762mm)</td>
<td>ZUFS-3027-LNFJS</td>
</tr>
<tr>
<td>1 1/2”(38mm)</td>
<td>28”(711mm)</td>
<td>30”(762mm)</td>
<td>18”(457mm)</td>
<td>ZUFS-1928-LNFJS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>24”(610mm)</td>
<td>ZUFS-2428-LNFJS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30”(762mm)</td>
<td>ZUFS-3028-LNFJS</td>
</tr>
<tr>
<td>2”(51mm)</td>
<td>23 1/2”(597mm)</td>
<td>26”(660mm)</td>
<td>18”(457mm)</td>
<td>ZUFS-1924-LNFJM</td>
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<tr>
<td>2”(51mm)</td>
<td>27”(686mm)</td>
<td>29”(737mm)</td>
<td>18”(457mm)</td>
<td>ZUFS-1927-LNFJM</td>
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<td></td>
<td></td>
<td></td>
<td>24”(610mm)</td>
<td>ZUFS-2427-LNFJM</td>
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<td></td>
<td>30”(762mm)</td>
<td>ZUFS-3027-LNFJM</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>36”(914mm)</td>
<td>ZUFS-3627-LNFJM</td>
</tr>
<tr>
<td>2”(51mm)</td>
<td>28”(711mm)</td>
<td>30”(762mm)</td>
<td>18”(457mm)</td>
<td>ZUFS-1928-LNFJM</td>
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<tr>
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<td></td>
<td>24”(610mm)</td>
<td>ZUFS-2428-LNFJM</td>
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<tr>
<td></td>
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<td></td>
<td>30”(762mm)</td>
<td>ZUFS-3028-LNFJM</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>36”(914mm)</td>
<td>ZUFS-3628-LNFJM</td>
</tr>
</tbody>
</table>

**Features**

- Includes one support end with glides and attachment hardware.
- Laminate surface with 3mm edgeband.
- Adjustable glides provides a maximum of 2 1/2”(64mm) height adjustment range.
- Non-handed design.

**Specification Tips**

- For appropriate height specification of worksurface support end, refer to specification guide.
- Glide adjustment must be used to accommodate the difference in top thickness.
- Provides full support for one end of equal depth worksurface.
- Specify worksurface support end to match worksurface thickness and edge choices.
- Specify 18”(457mm) deep worksurface support end when two convergent worksurfaces are attached to one workwall credenza top to support center of credenza top.

**To Order, Specify:**

1) Product number.
2) Laminate surface color.
3) Edge trim color.
Worksurface Support End – Wood

Features
- Includes one support end with glides and attachment hardware.
- Wood veneer surface with wood edge.
- Adjustable glides provides a maximum of 2 1/2" (64mm) height adjustment range.
- Non-handed design.

Specification Tips
- For appropriate height specification of worksurface support end, refer to specification guide.
- Glide adjustment must be used to accommodate the difference in top thickness.
- Provides full support for one end of equal depth worksurface.
- Specify worksurface support end to match worksurface thickness and edge choices.
- Specify 18" (457mm) deep worksurface support end when two convergent worksurfaces are attached to one workwall credenza top to support center of credenza top.

To Order, Specify:
1) Product number.
2) Wood finish color.
## Grommet – Workwall, Credenza, Studio Table & Worksurface

<table>
<thead>
<tr>
<th>Top Thickness</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 3/16″ (30mm)</td>
<td>WQAG-0303-PS</td>
<td>$45.42</td>
</tr>
<tr>
<td>2″ (51mm)</td>
<td>WQAG-0303-PM</td>
<td>$45.42</td>
</tr>
<tr>
<td>3″ (76mm)</td>
<td>WQAG-0303-PQ</td>
<td>$45.42</td>
</tr>
</tbody>
</table>

### Features
- Includes one 3″ (76mm) diameter grommet with cover.
- Field drilled and installed.

### Specification Tips
- For use with workwall credenza tops studio table and worksurfaces.
- Specify grommet to match product top thickness.
- Requires a 2 3/4″ (70mm) diameter field drilled hole.

### To Order, Specify:
1. Product number.
2. Trim color. Metallic trim colors, add $9.93 list list.

## Grommet – Workwall Suspended Shelf or Workwall Floor Supported Shelf

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3″ (76mm)</td>
<td>WQAG-0303-PA</td>
<td>$56.78</td>
</tr>
</tbody>
</table>

### Features
- Includes one round grommet.
- Field drilled and installed.

### Specification Tips
- For use with workwall suspended shelf, workwall floor supported shelf or bench shelf.
- Specify grommet diameter to accommodate plug size.
- Requires a 1 3/4″ (44mm) or 2 3/4″ (70mm) diameter field drilled hole.

### To Order, Specify:
1. Product number.
2. Trim color. Metallic trim colors, add $9.93 list list.
## Worksurface Supports

### Double Support Leg

<table>
<thead>
<tr>
<th>Height (Adjustable)</th>
<th>Depth</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>27” (686mm)</td>
<td>24” (610mm)</td>
<td>ZZFK-2400-PNFG</td>
<td>$551.20</td>
</tr>
<tr>
<td></td>
<td>30” (762mm)</td>
<td>ZZFK-3000-PNFG</td>
<td>$582.25</td>
</tr>
</tbody>
</table>

**Features**
- Includes one double leg and mounting hardware.
- Leg may be installed in left-hand or right-hand configuration.
- 6” adjustment range allows worksurface heights from 26” (660mm) to 32” (813mm).
- Provides full support for one end of equal depth worksurface.

**Specification Tips**
- One end of worksurface must be attached to credenza top or studio table; not to be used as freestanding.
- Double leg with glide can be used to replace support post or support column.

**To Order, Specify:**
1) Product number.
2) Trim color.*

*Note: Upcharge for Metallic trim color $16.13 list.

### Support Column

<table>
<thead>
<tr>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>WUCC-0004</td>
<td>$305.64</td>
</tr>
</tbody>
</table>

**Features**
- Includes one column and mounting screws.
- Column adjusts vertically for worksurface heights from 26” (660mm) to 32” (813mm).
- 3” (76mm)-diameter column includes 6” (152mm) square top plate.

**Specification Tip**
- One end of worksurface must be attached to credenza top or studio table; not to be used as freestanding.

**To Order, Specify:**
1) Product number.
2) Trim color.*

*Note: Upcharge for Metallic trim color $14.96 list.

### Flush Mount Plate

<table>
<thead>
<tr>
<th>Width</th>
<th>Depth</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” (102mm)</td>
<td>3” (76mm)</td>
<td>ZUBF-0000-PN</td>
<td>$25.20</td>
</tr>
</tbody>
</table>

**Features**
- Includes one bracket and mounting screws.
- Standard in charcoal finish color only.
- Attaches two worksurfaces of same thickness and same height together.

**To Order, Specify:**
1) Product number.
   (No finish specification required.)
### Key Conference End Bracket

<table>
<thead>
<tr>
<th>Height</th>
<th>Width</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 5/8&quot; (41mm)</td>
<td>8&quot; (203mm)</td>
<td>ZUBL-0208-PN</td>
<td>$16.23</td>
</tr>
</tbody>
</table>

**Features**
- Includes one bracket and four mounting screws.
- Provides support for mounting Key Conference End Worksurface to Patterns Workurface Support End.
- Standard in charcoal finish.

**Specification Tip**
- One bracket for each Rectangular Convergent worksurface is required.

**To Order, Specify:**
1. Product number.
   - (No finish specification required.)

---

### Worksurface Reinforcement Channel

<table>
<thead>
<tr>
<th>Length</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot; (406mm)</td>
<td>WUAR-1600-PH</td>
<td>$52.67</td>
</tr>
<tr>
<td>24&quot; (610mm)</td>
<td>WUAR-2400-PH</td>
<td>$55.55</td>
</tr>
<tr>
<td>32&quot; (813mm)</td>
<td>WUAR-3200-PH</td>
<td>$58.43</td>
</tr>
<tr>
<td>39&quot; (991mm)</td>
<td>WUAR-3900-PH</td>
<td>$60.95</td>
</tr>
<tr>
<td>47&quot; (1194mm)</td>
<td>WUAR-4700-PH</td>
<td>$63.83</td>
</tr>
<tr>
<td>54&quot; (1372mm)</td>
<td>WUAR-5400-PH</td>
<td>$66.35</td>
</tr>
</tbody>
</table>

**Features**
- Includes metal, U-shaped channel and mounting screws.

**Specification Tips**
- Field installed, located and drilled per installation instructions.
- Worksurface reinforcement channels must be specified to provide additional support for laminate or wood worksurfaces with 50" (1270mm) or larger spans.
- Specify worksurface reinforcement channel in length that won't interfere with any lower storage.
- To determine usable storage height under a worksurface reinforcement channel application, subtract 1" (25mm) from overall knee clearance.

**To Order, Specify:**
1. Product number.
   - (No finish specification required.)
### Privacy Screens

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>Width (mm)</th>
<th>Number</th>
<th>Fabric Grade</th>
<th></th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>711mm (28”)</td>
<td>762mm (30”)</td>
<td>PQJD-2830-F</td>
<td>C</td>
<td>$452.84</td>
<td>$499.70</td>
<td>$508.22</td>
<td>$520.99</td>
<td>$593.39</td>
<td>$670.03</td>
</tr>
<tr>
<td>914mm (36”)</td>
<td>511mm (2”)</td>
<td>PQJD-2836-F</td>
<td>C</td>
<td>469.59</td>
<td>516.87</td>
<td>525.67</td>
<td>539.16</td>
<td>612.96</td>
<td>691.03</td>
</tr>
<tr>
<td>1067mm (42”)</td>
<td>511mm (2”)</td>
<td>PQJD-2842-F</td>
<td>C</td>
<td>486.34</td>
<td>534.04</td>
<td>543.12</td>
<td>557.33</td>
<td>632.53</td>
<td>712.03</td>
</tr>
<tr>
<td>1219mm (48”)</td>
<td>511mm (2”)</td>
<td>PQJD-2848-F</td>
<td>C</td>
<td>503.09</td>
<td>551.21</td>
<td>560.57</td>
<td>575.50</td>
<td>652.10</td>
<td>733.03</td>
</tr>
</tbody>
</table>

#### Features
- Includes 1/2” (13mm) screen and attachment hardware.
- Fabric surface is non-tackable.
- Straight screen mounts on 1 3/16” (30mm), 2” (51mm) or 3” (76mm) thick horizontal surfaces.
- Optional wire manager is standard in light platinum.

#### Specification Tips
- Privacy screen is 1/2” (13mm) thick; specify (S) or (M) to match worksurface thickness for attachment.
- Privacy screens are non-load bearing.
- Privacy screen mounting:
  - 9” (229mm) above top of horizontal surface
  - 1 1/4” (32mm) maximum opening between back edge of horizontal surface and privacy screen
- Must provide clearance for under surface storage; refer to Specification Guide.
- Refer to Fabric/Finishes pages for fabric application guidelines.

#### To Order, Specify:
1) Product number, including:
   1) **Horizontal Surface Thickness:**
   - S 1 3/16” (30mm)
   - M 2” (51mm)
   - Q 3” (76mm)
2) **Wire Manager Option:**
   - N None
   - T Wire Manager: add $158.99 list
2) Fabric color.
3) Attachment hardware.
   (Metallic trim colors only.)
## Patterns Series – Cushion

### File Cushion

<table>
<thead>
<tr>
<th>Actual Depth</th>
<th>Actual Width</th>
<th>Number</th>
<th>Fabric Grade</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 3/4&quot; (400mm)</td>
<td>29&quot; (737mm)</td>
<td>GQFC-1830-F</td>
<td>$409.33</td>
<td>$450.67</td>
<td>$461.69</td>
<td>$471.34</td>
<td>$531.99</td>
<td></td>
</tr>
<tr>
<td>35&quot; (889mm)</td>
<td>GQFC-1836-F</td>
<td></td>
<td>421.73</td>
<td>463.07</td>
<td>476.86</td>
<td>485.11</td>
<td>548.53</td>
<td></td>
</tr>
</tbody>
</table>

**Features**
- Includes one cushion and non-slip material for use on Patterns file.
- Cushions are two-sided reversible fabric and 3/4" (19mm) thick.

**To Order, Specify:***
1. Product number.
2. Fabric and color.

### Pedestal Cushion

<table>
<thead>
<tr>
<th>Actual Depth</th>
<th>Actual Width</th>
<th>Number</th>
<th>Fabric Grade</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 3/4&quot; (400mm)</td>
<td>14 3/4&quot; (375mm)</td>
<td>GQPC-1816-F</td>
<td>$228.55</td>
<td>$252.68</td>
<td>$258.36</td>
<td>$262.62</td>
<td>$298.11</td>
<td></td>
</tr>
<tr>
<td>21 3/4&quot; (552mm)</td>
<td>GQPC-2416-F</td>
<td></td>
<td>312.31</td>
<td>343.55</td>
<td>353.48</td>
<td>359.17</td>
<td>406.00</td>
<td></td>
</tr>
</tbody>
</table>

**Features**
- Includes one cushion and non-slip material for use on Patterns pedestal.
- Cushions are two-sided reversible fabric and 3/4" (19mm) thick.

**To Order, Specify:***
1. Product number.
2. Fabric and color.
# Table of Contents – Patterns Specification Guide

## Addendum – Patterns Power Changes

**Overview**
- Patterns Modular Power .......................................................... 115
- In/Through/Out Power Planning ............................................... 116

## 3-Circuit and 4-Circuit Electrical Components

- Standard Base Feed/Infeed Harness ........................................... 117
- Power Base™ Al Base Feed ....................................................... 117
- Standard Top Feed .................................................................. 118
- Top Feed Harness .................................................................... 119
- Workwall to Compose Power Harness ....................................... 119
- Top Feeds – Studio Table ............................................................ 120
- Base Feeds – Studio Table ......................................................... 120
- Vertical Harness/Vertical Jumper ............................................... 121
- Horizontal Jumper ................................................................ 121
- Workwall – Horizontal Element ............................................... 122
- Workwall – Reference Top ......................................................... 123
- Workwall – Portal ................................................................... 123
- Workwall – Reference Top ......................................................... 124
- Workwall – Reference Return .................................................... 124
- File Enclosure – Horizontal Element Without Cutout ............... 125
- File Enclosure – Horizontal Element With Cutout ...................... 125
- File Enclosure – Horizontal Element With Cutouts ................. 126
- File Enclosure – Reference Return With Cutout ....................... 126
- File Enclosure – Reference Top Without Cutout ....................... 127
- File Enclosure – Reference Top With Cutout ............................ 127
- Circuit Distributor/4 Port Splitter .............................................. 128
- Flip Top Unit With Conduit (For Use with File Enclosure, Studio Table, Reference Return, Reference Top) .......... 128
- Flip Top Unit With Conduit (For Use with Bench) ...................... 129
- Receptacle – 15 Amp Duplex ....................................................... 129
- Receptacle – 20 Amp Duplex ..................................................... 130
- Data Blank Cover .................................................................... 130

## 3-Circuit and 4-Circuit Vertical Base Height Power – Workwall and File Enclosure

- Vertical Base Height Power - Decora Power Assembly/ Modular Power Assembly ................................. 130
- Workwall Vertical Elements / Power Location & Dimensions .......... 132
- Workwall – Vertical Element (For use with Horizontal Element) .......... 133
- Workwall – Vertical Element (For use with Reference Top, Reference Return & Portal) .................. 133
- Workwall – Shell ................................................................. 134
- File Enclosure - Vertical Elements / Power Location & Dimensions ...... 134

## 3-Circuit and 4-Circuit Vertical Desk Height Power – Workwall

- Vertical Desk Height Power - Decora Power Assembly/ Modular Power Assembly ................................. 136
- Workwall Vertical Elements / Power Location & Dimensions .......... 137
- Workwall – Vertical Element (For use with Horizontal Element) .......... 138
- Workwall – Vertical Element (For use with Reference Top, Reference Return and Portal) .................. 138
- Workwall Shell ................................................................. 139
# Table of Contents – Patterns Specification Guide

**Addendum – Patterns Power Changes**

3-Circuit and 4-Circuit Vertical Elements Power Options and Flip Top Cutout Location – File Enclosure

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>File Enclosure Vertical Elements (For use with Horizontal File Enclosure Element, Ref. Top and Ref. Return)</td>
<td>140</td>
</tr>
<tr>
<td>File Enclosure – Vertical Element (For use with Horizontal File Enclosure Element Only)</td>
<td>141</td>
</tr>
<tr>
<td>File Enclosure – Vertical Element (For use with Horizontal File Enclosure Element Only)</td>
<td>142</td>
</tr>
<tr>
<td>File Enclosure – Vertical Element (For use with Reference Top and Reference Return)</td>
<td>143</td>
</tr>
<tr>
<td>File Enclosure Shell - Flip Top Cutouts.</td>
<td>144</td>
</tr>
</tbody>
</table>

3-Circuit and 4-Circuit Vertical Base Height Power – Studio Table

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decora Power Assembly/ Modular Power Assembly</td>
<td>145</td>
</tr>
<tr>
<td>Studio Table Vertical End or Mid Support / Power Location &amp; Dimensions</td>
<td>146</td>
</tr>
<tr>
<td>Studio Table</td>
<td>147</td>
</tr>
</tbody>
</table>

3-Circuit and 4-Circuit Desk Height Power – Studio Table

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Table - Vertical End or Mid Support</td>
<td>148</td>
</tr>
<tr>
<td>Studio Table - Flip Top Unit Cutouts.</td>
<td>149</td>
</tr>
</tbody>
</table>

Seated Height Power - Bench

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
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<tr>
<td>Bench - Old power solution.</td>
<td>150</td>
</tr>
</tbody>
</table>

Hardwire Power – Workwall and File Enclosure

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Base Height Power Access.</td>
<td>151</td>
</tr>
<tr>
<td>Vertical Desk Height Power Access.</td>
<td>151</td>
</tr>
</tbody>
</table>

**Product Specification**

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
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<tbody>
<tr>
<td>Receptacles and Data Blank Covers.</td>
<td>152</td>
</tr>
<tr>
<td>Modular Receptacles</td>
<td>153</td>
</tr>
<tr>
<td>3- and 4- Circuit Powered Verticals / Field Retrofit Changes</td>
<td>154</td>
</tr>
<tr>
<td>Power Jumpers</td>
<td>155</td>
</tr>
<tr>
<td>Power Reconfiguration Scenarios / Power Application Facts</td>
<td>156</td>
</tr>
</tbody>
</table>
# Table of Contents – Patterns Specification Guide

## Introduction – Patterns
- Introduction ........................................................................................................ 158
- Patterns Edge Trim Details .................................................................................... 160

## Catalog Logic
- Patterns Workwall ................................................................................................. 161
- Patterns Studio Table ............................................................................................ 162
- Patterns File Enclosure .......................................................................................... 163
- Patterns Bench ....................................................................................................... 164

## Workwalls
- Workwalls: Application ......................................................................................... 165
- Workwalls: Terminology ........................................................................................ 166
- Workwalls: Understanding Workwalls .................................................................... 167
- Workwall Shell: Statement of Line ......................................................................... 170
- Workwall Shell: Overview ..................................................................................... 171
- Workwall Shell: Power Options .............................................................................. 173
- Workwall: Horizontal and Vertical Elements Statement of Line ......................... 178
- Workwall: Horizontal and Vertical Elements .......................................................... 185
- Workwall: Introduction to Application Planning Models ........................................... 248
- Workwall Application: Systems and Architectural Height ...................................... 253
- Workwall Application: In-Line Workwall Application Guidelines ......................... 257
- Workwall Application: Specifying Vertical Elements .............................................. 261
- Workwall Application: Specifying the Workwall Shell ............................................ 266
- Workwall Application: Specifying Horizontal and Vertical Elements.................... 267
- Workwall Application: Recap of Application Planning Models .............................. 275
- Workwall Application: Product Relationships/Do’s and Don’ts .............................. 276
- Workwall Application: Power Management ............................................................ 279
- Workwall: Components .......................................................................................... 308
- Workwall Credenza Top: Statement of Line ............................................................ 317
- Workwall Credenza Top: Overview ....................................................................... 318
- Workwall Credenza Top: Application Planning ....................................................... 319
- Workwall Credenza Top: Designing with Credenza Top ......................................... 320
- Workwall Credenza Top: Product Relationships ..................................................... 321
- Workwall Floor Supported Shelf: Statement of Line ............................................... 323
- Workwall Floor Supported Shelf: Overview ............................................................ 324
- Workwall Floor Supported Shelf: Application Planning .......................................... 325
- Workwall Floor Supported Shelf: Product Relationships ........................................ 326
- Workwall Suspended Shelf: Statement of Line ......................................................... 328
- Workwall Suspended Shelf: Overview ................................................................... 329
- Workwall Suspended Shelf: Application Planning .................................................. 333
- Workwall Suspended Shelf: Product Relationships ................................................. 335
- Workwall Sliding Door: Statement of Line ............................................................... 337
- Workwall Sliding Door: Overview ......................................................................... 339
- Workwall Sliding Door: Suspended Shelf Application .............................................. 341
- Workwall Sliding Door: Floor Supported Shelf Application ..................................... 342
- Workwall Sliding Door: Application Planning .......................................................... 343
- Workwall Sliding Door: Product Relationships ....................................................... 344
- Workwall Backer and Suspended Shelf Backer: Application Planning .................... 346
# Table of Contents – Patterns Specification Guide

**Workwalls (continued)**
- Workwall Suspended Shelf Backer: Statement of Line ........................................ 349
- Workwall Suspended Shelf Backer: Overview .................................................. 350
- Workwall Suspended Shelf Backer: Suspended Shelf Application ................... 352
- Workwall Suspended Shelf Backer: Product Relationships .............................. 353
- Workwall Backer: Statement of Line .............................................................. 356
- Workwall Backer: Overview ........................................................................... 358
- Workwall Backer: Application ........................................................................ 362
- Workwall Backer: Application Guidelines ...................................................... 363
- Workwall Tackboard: Statement of Line ......................................................... 365
- Workwall Tackboard: Overview ...................................................................... 366
- Workwall Tackboard: Positions ....................................................................... 367
- Workwall Tackboard: Suspended Shelf Application ......................................... 368
- Workwall Tackboard: Mounting Options ......................................................... 369
- Workwall Tackboard: Top Position Applications ............................................. 371
- Workwall Tackboard: Application Planning ................................................... 373
- Workwall Backer: Tackboard Product Relationships ....................................... 375
- Workwall Task Lights: Statement of Line ....................................................... 377
- Workwall Cord Management: Vertical Wire Manager and Grommet ............. 379
- Workwall Wall Mount: Application Planning .................................................. 380

**Studio Tables**
- Studio Table: Introduction .............................................................................. 385
- Studio Table: Terminology .............................................................................. 386
- Studio Table: Statement of Line ..................................................................... 387
- Studio Table: Product Features ...................................................................... 388
- Studio Table: Product Relationships ............................................................... 391
- Studio Table: Application Guidelines .............................................................. 393
- Studio Table: Power Management ................................................................. 394
- Studio Table: Product Details ......................................................................... 395
- Studio Table: Utility Access Location ............................................................. 396
- Studio Table: Power Options ......................................................................... 397
- Studio Table: Power Management ................................................................. 406

**File Enclosures**
- File Enclosure: Introduction .......................................................................... 420
- File Enclosure: Terminology .......................................................................... 421
- File Enclosure: Understanding File Enclosures ............................................. 422
- File Enclosure Shell: Statement of Line ......................................................... 425
- File Enclosure Shell: Overview ..................................................................... 426
- File Enclosure Shell: Power Options ............................................................. 427
- File Enclosure: Horizontal and Vertical Elements Statement of Line ............ 430
- File Enclosure: Horizontal and Vertical Elements ......................................... 437
- File Enclosure: Introduction to Application Planning Models ....................... 463
- File Enclosure: In-Line File Enclosure Application Guidelines .................... 467
- File Enclosure: Specifying Vertical Elements ............................................... 470
- File Enclosure: Specifying the File Enclosure Shell .................................... 473
- File Enclosure: Specifying Horizontal and Vertical Elements ..................... 474
- File Enclosure: Recap to Application Planning Models ............................... 480
- File Enclosure Application: Power Management .......................................... 481
Table of Contents – Patterns Specification Guide

Bench
Bench: Introduction ............................................................... 498
Bench: Terminology and Statement of Line ................................. 499
Bench: Product Features .......................................................... 500
Bench: Cushion ..................................................................... 502
Bench: Product Relationships .................................................. 503
Bench: Power Overview .......................................................... 505
Bench: Product Details ............................................................. 506
Bench: Power Options ............................................................. 508
Bench: Power Management ....................................................... 510

Adaptable Worksurfaces/Worksurface Supports
Worksurfaces: Introduction ..................................................... 515
Worksurfaces: Statement of Line ................................................. 516
Worksurfaces: Overview ............................................................ 518
Worksurfaces: Surface Grain Pattern and Direction ....................... 521
Worksurface Support: Statement of Line ..................................... 522
Worksurface Support: Attachment Brackets ............................... 524
Worksurface Support: Floor Support .......................................... 525
Worksurfaces: Application Planning ........................................... 527
Worksurfaces: Application Planning Models at a Glance ................. 529
Worksurface Support: Application Planning ............................... 530
Worksurface Floor Support Options: Rectangular Convergent Worksurface ......................................................... 543
Worksurface Support: Application Planning ............................... 544
Worksurfaces: Product Relationships ......................................... 552

Privacy Screens
Privacy Screen: Introduction .................................................... 555
Privacy Screen: Statement of Line .............................................. 556
Privacy Screen: Overview ........................................................ 557
Privacy Screen: Terminology .................................................... 558
Privacy Screen: Privacy and Modesty Heights .............................. 559
Privacy Screen: Privacy Height Above and Modesty Height Below Surface ............................................................ 560
Privacy Screen: with or without Wire Manager ............................ 561
Privacy Screen: without Wire Manager ....................................... 563
Privacy Screen: with Wire Manager .......................................... 564
Privacy Screen: with or without Wire Manager ............................ 565
Privacy Screen: with Wire Manager .......................................... 566
Privacy Screen: with or without Wire Manager ............................ 567
Privacy Screen: Cable Management Options ............................... 568
Privacy Screen: Cable Management .......................................... 569
Privacy Screen: Product Relationships ....................................... 570
Addendum
Patterns Power Changes
Patterns Power Changes – Overview

Patterns Specification Guide – Addendum

Effective August 27th, 2012 Patterns will be enhanced with a new power system.

The Patterns Specification Guide – May 2011 is currently being updated to capture the new modular power system. In the interim the content in this addendum should be referred to for all Patterns power and data planning/specification needs for the new modular power system.

Why? – Why a new power system?

The new Patterns power system will improve ease of installation and timeliness. Patterns new power system is a modular system with a quick connect installation method which considerably reduces installation time.

What? – What products will this effect?

The new Patterns power system will impact 3-circuit and 4-circuit applications using the Workwall Shell, Workwall Horizontal and Vertical Elements, Reference Top and Return, Portal, File Enclosure Horizontal and Vertical Elements and the Studio Table.

What are the key product differences between the old and the new power system?

Patterns old power system is an architectural power system. The new power system is a modular power system similar to but not the same as PowerBase. For 3-circuit and 4-circuit power applications the junctions boxes are being replaced with PDA’s (Power Distribution Assembly). The blank access door has been omitted which results in a cleaner aesthetic. Electrical jumpers have been changed to include new modular power head(s) and some electrical component names have changed. New modular receptacles and the Data Blank Cover must be separately specified for 3-circuit and 4-circuit applications.

The Hardwire power option is not impacted by the new power system and will remain as-is. Which means the hardwire Decora power assembly will be functionally and aesthetically slightly different than the 3- and 4-circuit modular power & data assembly.

How? – How does this impact product specification?

There are minimal specification changes in designing with Patterns new modular Power system. Modular receptacles must now be separately specified for 3-circuit and 4-circuit power applications. Modular receptacle specification requires specifying a specific circuit number; 1, 2, 3 or 4 and the type of ground; grounded or isolated. The data blank cover must be separately specified if required for 3- and 4-circuit power applications.

The hardwire power option includes Decora Receptacles and Data Blank Cover.

How does this impact product applications?

The old 3-circuit and 4-circuit Pattern’s architectural power system and the new modular power system are not to be used together in the same application. Additionally, when planning with power never mix 3-circuit and 4-circuit together in the same application. For product reconfiguration applications Patterns’ electrical components manufactured prior to August 27, 2012 will be available through eParts.

When? – When will this change be implemented?

Orders received on August 27, 2012 or later will receive the Patterns new modular power system.
Patterns Power Changes – In / Through / Out Power Planning

In–Through–Out Power Planning
Designers will plan with the new Patterns power solution using the same In/Through/Out power planning process.

Patterns power components are designed to address three functions:
1. In: Power distribution from building to the Workwall
2. Through: Horizontal and Vertical Power Distribution
3. Out: Receptacle Access

New Patterns Modular 3-Circuit or 4-Circuit Power Application:
### Patterns Power Changes – Electrical Components

<table>
<thead>
<tr>
<th>OLD</th>
<th>Standard Base Feed</th>
<th>NEW</th>
<th>Infeed Harness</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Old Standard Base Feed" /></td>
<td><img src="image2" alt="Old Standard Base Feed" /></td>
<td><img src="image3" alt="New Infeed Harness" /></td>
<td><img src="image4" alt="New Infeed Harness" /></td>
</tr>
</tbody>
</table>

**Effective Aug 27, 2012**
- New modular power component
- New component name
- Existing catalog number has not changed

#### 3- and 4-Circuit Power (In) – Workwall and File Enclosure

- Not for use in Bench applications; use hardwire option (-C).
- May be used in 30” deep Studio Table applications.
- No functional change to hardwire option (-C).

**Tip**
- Not for use in Bench applications; use hardwire option (-C).
- May be used in 30” deep Studio Table applications.
- Hardwire option not available; to be field supplied by electrician.

<table>
<thead>
<tr>
<th>OLD</th>
<th>Power Base™ Al Base Feed</th>
<th>NEW</th>
<th>Power Base™ Al Infeed Harness</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5" alt="Old Power Base™ Al Base Feed" /></td>
<td><img src="image6" alt="Old Power Base™ Al Base Feed" /></td>
<td><img src="image7" alt="New Power Base™ Al Infeed Harness" /></td>
<td><img src="image8" alt="New Power Base™ Al Infeed Harness" /></td>
</tr>
</tbody>
</table>

**Effective Aug 27, 2012**
- New modular power component
- New component name
- Existing catalog number has not changed

#### 3- and 4-Circuit Power (In) – Workwall and File Enclosure

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Electrical Components

**OLD**
Standard Top Feed

**NEW**
Standard Top Feed

**Note**

- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3-circuit and 4-circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.

---

**Effective Aug 27, 2012**

- New modular power component
- Component name and existing catalog number have not changed

**Tip**

- Not for use in Bench or Studio Table applications.
- No functional change to hardwire option (-C).
Patterns Power Changes – Electrical Components

**OLD**

<table>
<thead>
<tr>
<th>Top Feed Harness</th>
</tr>
</thead>
</table>
| **NEW**
| Top Feed Harness |

- **Effective Aug 27, 2012**
  - New modular power component
  - Component name and existing catalog number have not changed

### 3- and 4-Circuit Power (In) – Workwall, File Enclosure and Studio Table

- **Tip**
  - Not for use in Bench applications.
  - Hardwire option (-C) not available; field supplied by electrician.

### Workwall to Compose Power Harness

- **OLD**
- **NEW**

- **Effective Aug 27, 2012**
  - New modular power component
  - Component name and existing catalog number have not changed

### 3- and 4-Circuit Power (Through) – Workwall, File Enclosure and Studio Table

- **Tip**
  - Not for use in Bench applications.
  - Hardwire option (-C) not available; field supplied by electrician.

**Note**
- Do not mix Pattern's old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Electrical Components

**OLD**

Top Feeds – Studio Table

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>TQET-2930- _ (3 or 4)</td>
<td>TQET-2930- _ (3 or 4)</td>
</tr>
<tr>
<td>TQET-2963 - _ (3 or 4)</td>
<td>TQET-2963 - _ (3 or 4)</td>
</tr>
</tbody>
</table>

**NEW**

Top Feeds – Studio Table

3- and 4-Circuit Power (In) – Studio Table

Tip

No functional change to hardwire option (-C)

**OLD**

Base Feeds – Studio Table

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>TQEB-2930 - (3 or 4)</td>
<td>TQEB-2930 - (3 or 4)</td>
</tr>
<tr>
<td>TQEB-2963 - (3 or 4)</td>
<td>TQEB-2963 - (3 or 4)</td>
</tr>
</tbody>
</table>

**NEW**

Base Feeds – Studio Table

3- and 4-Circuit Power (In) – Studio Table

Tip

- No functional change to hardwire option (-C)

Note

- Do not mix Pattern's old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Electrical Components

**OLD**
Vertical Harness

**NEW**
Vertical Jumper

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQEH... (3 or 4)N</td>
<td>EQEJ... (3 or 4)N</td>
</tr>
</tbody>
</table>

**Effective Aug 27, 2012**
- New modular power component
- New component name
- New catalog number

---

3- and 4-Circuit Power (Through) – Workwall, File Enclosure and Studio Table

- Not for use in Bench applications.
- Hardwire option (-C) not available; field supplied by electrician.

**Tip**

---

**OLD**
Horizontal Jumper

**NEW**
Horizontal Jumper

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQEJ... (3 or 4)N</td>
<td>EQEJ... (3 or 4)N</td>
</tr>
</tbody>
</table>

**Effective Aug 27, 2012**
- New modular power component
- Component name and existing catalog number have not changed

---

3- and 4-Circuit Power (Through) – Workwall, File Enclosure & Studio Table

- Not for use in Bench applications.
- Hardwire option (-C) not available; field supplied by electrician.

**Tip**

---

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Electrical Components

3- and 4-Circuit Power (Through) – Power Location Option (N) None
Horizontal Jumper Through Workwall Horizontal Element

OLD

Workwall – Horizontal Element

NEW

• Do not mix Pattern’s old architectural power and the new modular power system in the same application.
• Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
• For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.

Note

22" Deep RQHA

42" Deep RQHE

Effective Aug 27, 2012
• Horizontal Jumper have new modular connectors.
Patterns Power Changes – Electrical Components

**Patterns Power Changes – Electrical Components**

**OLD**

**Workwall – Reference Top**

**NEW**

**Workwall – Reference Top**

- **OLD**
  - 22" Deep RQTA
  - 42" Deep RQTE

- **NEW**
  - 22" Deep RQTA
  - 42" Deep RQTE

**Effective Aug 27, 2012**

- Horizontal Jumpers have new modular connectors

---

3- and 4-Circuit Power (Through) – Power Location (N) None

Horizontal Jumper Through Workwall Reference Top

---

**OLD**

**Workwall – Portal**

**NEW**

**Workwall – Portal**

- **OLD**
  - 22" Deep RQPA
  - 42" Deep RQPE

- **NEW**
  - 22" Deep RQPA
  - 42" Deep RQPE

**Effective Aug 27, 2012**

- Horizontal Jumpers have new modular connectors

---

3- and 4-Circuit Power (Through) – Horizontal Jumper Through Workwall Portal

---

**Note**

- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
**Patterns Power Changes – Electrical Components**

### Workwall – Reference Top

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>22” Deep RQTA</td>
<td>22” Deep RQTA</td>
</tr>
<tr>
<td>42” Deep RQTE</td>
<td>42” Deep RQTE</td>
</tr>
</tbody>
</table>

**Note**

Effects Aug 27, 2012
- Horizontal Jumpers have new modular connectors

### 3- and 4-Circuit Power (Through and Out) – Power Location Option (H) One Flip Top Cutout

Horizontal jumper through workwall reference top. Flip Top cutout for separately specified flip top unit – out.

### Workwall – Reference Return

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>22” Deep RQMA</td>
<td>22” Deep RQMA</td>
</tr>
<tr>
<td>42” Deep RQME</td>
<td>42” Deep RQME</td>
</tr>
</tbody>
</table>

**Note**

- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
### Patterns Power Changes – Electrical Components

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>File Enclosure – Horizontal Element</td>
<td>File Enclosure – Horizontal Element</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>42&quot; Deep QQHE</td>
<td>42&quot; Deep QQHE</td>
</tr>
</tbody>
</table>

**Effective Aug 27, 2012**
- Horizontal Jumpers have new modular connectors

### 3- and 4-Circuit Power (Through) – Power Location Option (N) None

**Horizontal Jumper Through File Enclosure Horizontal Element**

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>42&quot; Deep QQHE</td>
<td>42&quot; Deep QQHE</td>
</tr>
</tbody>
</table>

**Effective Aug 27, 2012**
- Horizontal Jumpers have new modular connectors

### 3- and 4-Circuit Power (Through and Out) – Power Location Option (H) One Flip Top Cutout

Horizontal jumper through file enclosure horizontal element. Flip Top cutout for separately specified flip top unit – out.

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Electrical Components

3- and 4-Circuit Power (Through and Out) – Power Location Option (H) One Flip Top Cutout
Horizontal jumper through File Enclosure Reference Return. Flip Top cutout for separately specified flip top unit – out.

Note
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Electrical Components

**3- and 4-Circuit Power (Through and Out) – Power Location Option (H) One Flip Top Cutout**

Horizontal jumper through file enclosure reference top. Flip Top cutout for separately specified flip top unit - out.

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Electrical Components

**NEW**
4-Port Splitter

**OLD**
Circuit Distributor

---

**Effective Aug 27, 2012**

- New modular power component
- New component name
- Existing catalog number has not changed

### OLD NEW

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Circuit Distributor</strong></td>
<td><strong>4-Port Splitter</strong></td>
</tr>
<tr>
<td>EQEJ-0000</td>
<td>EQEJ-0000</td>
</tr>
</tbody>
</table>

---

### 3- and 4-Circuit Power (Through) – Workwall, File Enclosure and Studio Table

**Tip**
- Not for use in Bench applications.

---

### OLD NEW

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flip Top Unit With Conduit</strong></td>
<td><strong>Flip Top Unit With Conduit</strong></td>
</tr>
<tr>
<td>(For Use with File Enclosure, Studio Table, Reference Return, Reference Top)</td>
<td>(For Use with File Enclosure, Studio Table, Reference Return, Reference Top)</td>
</tr>
<tr>
<td>Workwall Reference Top</td>
<td>Workwall Reference Top</td>
</tr>
<tr>
<td>File Enclosure</td>
<td>File Enclosure</td>
</tr>
<tr>
<td>Studio Table</td>
<td>Studio Table</td>
</tr>
<tr>
<td>EQE1</td>
<td>EQE1</td>
</tr>
</tbody>
</table>

---

### 3- and 4-Circuit Power (Out) – Workwall, File Enclosure and Studio Table

**Tip**
- 3 power, 3 data flip top unit configuration is for Workwall, File Enclosure and Studio table applications; not for use in Bench applications.
- Specify the appropriate quantity of flip top units for the specified cutout option (H) or (L).
- No functional change to hardwire option (-C).

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3-circuit and 4-circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Electrical Components

### OLD

<table>
<thead>
<tr>
<th>Flip Top Unit With Conduit</th>
<th>Flip Top Unit With Conduit</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLD</td>
<td>NEW</td>
</tr>
<tr>
<td>(For Use with Bench)</td>
<td>(For Use with Bench)</td>
</tr>
</tbody>
</table>

OLD

- 72” Wide Bench
- 96”-120” Wide Bench

NEW

- 2 Power, 2 Data configuration

#### Tip
- 2 power, 2 data flip top unit configuration is for Bench applications, only
- No functional change to hardwire option (-C).

### OLD

<table>
<thead>
<tr>
<th>Receptacle – 15 Amp Duplex</th>
<th>Modular Receptacle – 15 Amp Duplex</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLD</td>
<td>NEW</td>
</tr>
</tbody>
</table>
| Prior to August 27, 2012 - 15 Amp Decora receptacles were included with the vertical power assembly. | Effective August 27, 2012 modular receptacles must be separately specified for all 3- and 4-circuit powered vertical base height/desk height utility access locations.

OLD

- EQER-0000-2

NEW

- EQER-0015

#### Effective Aug 27, 2012

- New modular power component
- Component name and existing catalog number have not changed

### NEW

3- and 4-Circuit Power (Out) – Bench, only.

#### Tip
- 2 power, 2 data flip top unit configuration is for Bench applications, only
- No functional change to hardwire option (-C).

3- and 4-Circuit Power (Out) – Workwall, File Enclosure and Studio Table

#### Tip
- Not for use in Bench applications.

#### Note
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Electrical Components

**OLD**
Receptacle – 20 Amp Duplex

**NEW**
Modular Receptacle – 20 Amp

Effective August 27, 2012 modular receptacles must be separately specified for all 3- and 4-circuit powered vertical Base Height/desk height utility access locations.

---

**Tip**
• Not for use in Bench applications.

---

**OLD**
Data Blank Cover

Prior to August 27, 2012 – a Decora data Blank cover was included with the vertical power assembly.

**NEW**
Data Blank Cover

Effective August 27, 2012 data blank cover must be separately specified for all 3- and 4-circuit powered vertical Base Height/desk height utility access locations, if needed.

---

**Tip**
• Not for use in Bench applications.

---

**Note**
• Do not mix Pattern’s old architectural power and the new modular power system in the same application.
• Do not mix 3-circuit and 4-circuit or hardwire power options in the same application.
• For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Base Height Power

Old
Decora Power Assembly
Vertical Base Height Power Location

- Junction Box
- Access Door
- (1) Decora Data Port with Blank Cover (Blank Cover Included)

New
Modular Power Assembly
Vertical Base Height Power Location

- Modular Receptacles (Must Be Separately Specified)
- Data Opening is 1.38" high x 2.71" wide and will accommodate most Modular Furniture Telecommunication Faceplates or a separately specified Data Blank Cover. Modular Furniture Telecommunication Faceplates are supplied by an outside resource.

- Data Blank Cover - Not Included (Must Be Separately Specified – If needed)

- PDA (Power Distribution Assembly)
- Vertical Jumper

Tip
- No functional or aesthetic change to hardwire option (-C).

3- and 4-Circuit Power (Out) – Power Receptacle and Communication Access at Base Height
Workwall Shell, Workwall Vertical Elements, File Enclosure Reference Top and Reference Return Vertical Elements

Note
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Base Height Power – Workwall

### OLD
**Workwall Vertical Elements**
Vertical Base Height Power Location – 3 and 4 Circuit

<table>
<thead>
<tr>
<th>Dimension</th>
<th>22&quot; Deep</th>
<th>42&quot; Deep</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centerline</td>
<td>9.5&quot;</td>
<td>14.8&quot;</td>
</tr>
<tr>
<td>8&quot;</td>
<td>10&quot;</td>
<td>10&quot;</td>
</tr>
<tr>
<td>14.8&quot;</td>
<td>14.8&quot;</td>
<td>14.8&quot;</td>
</tr>
</tbody>
</table>

### NEW
**Workwall Vertical Elements**
Vertical Base Height Power Location – 3 and 4 Circuit

<table>
<thead>
<tr>
<th>Dimension</th>
<th>22&quot; Deep</th>
<th>42&quot; Deep</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centerline</td>
<td>5.4&quot;</td>
<td>8.3&quot;</td>
</tr>
<tr>
<td>10.8&quot;</td>
<td>10.8&quot;</td>
<td>8.3&quot;</td>
</tr>
<tr>
<td>8.3&quot;</td>
<td>8.3&quot;</td>
<td>8.3&quot;</td>
</tr>
</tbody>
</table>

**Tip**
- No functional or aesthetic change to hardwire option (-C).

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- and 4- circuit modular power assembly require separately specified Patterns Modular Receptacles.
- Data Blank Cover is separately specified, if needed.

#### 3- and 4-Circuit Power (Out) – Power Receptacle and Communication Access at Vertical Base Height

**Workwall Vertical Element for use with:**
- Horizontal Element
- Reference Top or Reference Return
- Portal

**Vertical Base Height Power Location:**
- (R) One Side / Inside
- (J) One Side / Outside
  - Reference Top, Reference Return, Portal, only
- (K) Two Sided / Back-to-Back

---

**Effective Aug 27, 2012**
- New modular power components.
- 3- and 4- circuit modular power assembly require separately specified Patterns Modular Receptacles.
- Data Blank Cover is separately specified, if needed.
Patterns Power Changes – Vertical Base Height Power – Workwall

3- and 4-Circuit Power (Through and Out) – Vertical Base Height Power Access

Tip
- 3- and 4-circuit modular power assembly require separately specified Patterns modular receptacles; Data blank cover is also separately specified, if needed.
- No functional or aesthetic change to hardwire option (-C).

Workwall Vertical Element for use with:
- Horizontal Element

Vertical Base Height Power Location:
(R) One Side / Inside

Note
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- and 4-circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
**Patterns Power Changes – Vertical Base Height Power – Workwall**

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workwall – Shell</td>
<td>Workwall – Shell</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>22” Deep RQUA</td>
<td>22” Deep RQUA</td>
</tr>
<tr>
<td>42” Deep RQUE</td>
<td>42” Deep RQUE</td>
</tr>
</tbody>
</table>

**Effective Aug 27, 2012**

- Vertical jumpers have new modular connectors and include a 4-port splitter.
- Horizontal jumpers have new modular connectors.
- 3- and 4- circuit powered Workwall Shell has new modular power assemblies.

**Tip**

- 3- and 4- circuit modular power assembly require separately specified Patterns modular receptacles; Data blank cover is also separately specified, if needed.
- No functional or aesthetic change to hardwire option (-C).

**3- and 4-Circuit Power (Through and Out) – Vertical Base Height Power Access**

Vertical and horizontal jumper through Workwall Shell. Modular Power Assembly - Out for power and communication access.

**Vertical Base Height Power Location:**
(R) One Side / Inside

**Note**

- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Base Height Power – File Enclosure

**OLD**

**File Enclosure Vertical Elements**
**Vertical Base Height Power Location – 3 and 4 Circuit**

- **22” Deep**
  - File Enclosure Vertical Element
  - 8”
  - 9.5”
  - Centerline 14.8”

- **42” Deep**
  - File Enclosure Vertical Element
  - 8”
  - 9.5”
  - Centerline 14.8”

**NEW**

**File Enclosure Vertical Elements**
**Vertical Base Height Power Location – 3 and 4 Circuit**

- **22” Deep**
  - File Enclosure Vertical Element
  - 5.4”
  - 10.8”
  - Centerline 14.8”

- **42” Deep**
  - File Enclosure Vertical Element
  - 5.4”
  - 10.8”
  - Centerline 14.8”

---

**Tip**

- No functional or aesthetic change to hardwire option (-C).

---

**3- and 4-Circuit Power (Out) – Power Receptacle and Communication Access at Vertical Base Height**

- **File Enclosure Vertical Element** for use with:
  - Reference Top or Reference Return

- **Vertical Base Height Power Location:**
  - (J) One Side / Outside
  - Reference Top or Reference Return

---

**Note**

- Do not mix Pattern's old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Desk Height Power – Workwall

OLD
Decora Power Assembly
Vertical Desk Height Power Location – 3 and 4 Circuit

NEW
Modular Power Assembly
Vertical Desk Height Power Location – 3 and 4 Circuit

• Do not mix Pattern’s old architectural power and the new modular power system in the same application.
• Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
• For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.

Note
Tip

Effective Aug 27, 2012
• Vertical desk height power location option (D) will no longer have a vertical base height access door.
• Modular Receptacles must be separately specified.
• Data Blank Covers must be separately specified if needed.

3- and 4-Circuit Power (Out) – Power Receptacle and Communication Access at Vertical Desk Height
• Workwall Shell
• Workwall Vertical Elements
Patterns Power Changes – Vertical Desk Height Power – Workwall

**OLD**

**Workwall Vertical Elements**  
Vertical Desk Height Power Location – 3 and 4 Circuit

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>22” Deep Workwall Vertical Element</th>
<th>42” Deep Workwall Vertical Element</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image1.png" alt="Diagram" /></td>
<td><img src="image2.png" alt="Diagram" /></td>
</tr>
<tr>
<td>Centerline</td>
<td><img src="image3.png" alt="Diagram" /></td>
<td><img src="image4.png" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td>4.875”</td>
<td>6.75”</td>
</tr>
<tr>
<td></td>
<td>33.3”</td>
<td>8.3”</td>
</tr>
</tbody>
</table>

**NEW**

**Workwall Vertical Elements**  
Vertical Desk Height Power Location – 3 and 4 Circuit

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>22” Deep Workwall Vertical Element</th>
<th>42” Deep Workwall Vertical Element</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image5.png" alt="Diagram" /></td>
<td><img src="image6.png" alt="Diagram" /></td>
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<tr>
<td>Centerline</td>
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<td><img src="image8.png" alt="Diagram" /></td>
</tr>
<tr>
<td></td>
<td>5.4”</td>
<td>8.3”</td>
</tr>
</tbody>
</table>

**Tip**

- No functional or aesthetic change to hardwire option (-C).

**Effective Aug 27, 2012**

- New modular power components.
- 3- and 4- circuit modular power assembly require separately specified Patterns Modular Receptacles
- Data Blank Cover is separately specified, if needed.

3- and 4-Circuit Power (Out) – Power Receptacle and Communication Access at Vertical Desk Height

**Workwall Vertical Element** for use with:
- Horizontal Element
- Reference Top or Reference Return
- Portal

**Vertical Base Height Power Location:**
- (D) One Side / Inside
- (Q) One Side / Outside
  - For Reference Top, Reference Return or Portal, only
- (Z) Two Sided / Back-to-Back

**Note**

- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Desk Height Power – Workwall

**OLD**

Workwall – Vertical Element  
(For use with Horizontal Element)

- 22" Deep RQVA
- 42" Deep RQVE

**NEW**

Workwall – Vertical Element  
(For use with Horizontal Element)

- 22" Deep RQVA
- 42" Deep RQVE

---

**3- and 4-Circuit Power (Through and Out) – Vertical Desk Height Power Access**

**Vertical Jumper Through Vertical Element. Modular Power Assembly - Out for power and communication access**

- **Tip**
  - 3- and 4- circuit modular power assembly require separately specified Patterns modular receptacles; Data blank cover is also separately specified, if needed.
  - No functional or aesthetic change to hardwire option (-C).

**Workwall Vertical Element**  
For use with:  
- Horizontal Element

**Vertical Base Height Power Location:**  
(D) One Side / Inside

---

**Note**

- Do not mix Pattern's old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Desk Height Power – Workwall

**OLD**

<table>
<thead>
<tr>
<th>Workwall Shell</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OLD</strong></td>
<td><strong>NEW</strong></td>
</tr>
<tr>
<td>22&quot; Deep RQUA</td>
<td>22&quot; Deep RQUA</td>
</tr>
<tr>
<td>42&quot; Deep RQUE</td>
<td>42&quot; Deep RQUE</td>
</tr>
</tbody>
</table>

### Effective Aug 27, 2012

- Vertical jumpers have new modular connectors and include a splitter.
- Horizontal jumpers have new modular connectors.
- Vertical desk height power location option (D) will no longer have a vertical base access door for 3- and 4-circuit power options.
- 3- and 4-circuit powered Workwall Shell has new modular power assemblies.

### Tip

- No functional or aesthetic change to hardwire option (-C).

**Vertical Desk Height Power Location:**
- (D) One Side / Inside

### Note

- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Pass Through – File Enclosure

**OLD**

<table>
<thead>
<tr>
<th>File Enclosure Vertical Elements</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>22” Deep</strong></td>
<td></td>
</tr>
<tr>
<td>File Enclosure Vertical Element</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>42” Deep</strong></td>
<td></td>
</tr>
<tr>
<td>File Enclosure Vertical Element</td>
<td></td>
</tr>
</tbody>
</table>

**Vertical Base Height Power Location:**
(A) Vertical/Base Blank Access Door only

**Tip**
- No functional or aesthetic change to hardwire option (-C).

**Effective Aug 27, 2012**
- New modular power component

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.

---

**File Enclosures Vertical Elements for use with:**
- File Enclosure Horizontal Element
- File Enclosure Reference Top or Reference Return

**3- and 4-Circuit Power (Through) – Power and Communication vertical pass-through, only**
THROUGH Vertical for Desk Height/Flip Top Unit Power Access

---

**Vertical Base Height Power Location:**
(A) Vertical pass-through (no blank access door)
Patterns Power Changes – Vertical Pass Through – File Enclosure

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.

**Effective Aug 27, 2012**
- New modular power components
- Existing catalog number has not changed

**Vertical Base Height Power Location:**
(A) Vertical/Base Blank Access Door only
(B) Vertical pass-through (no blank access door)

**3- and 4-Circuit Power (Through) – Vertical Jumper/Splitter(s) through File Enclosure Vertical Element.**

**File Enclosure Vertical Element for use with:**
- Horizontal File Enclosure Element
Patterns Power Changes – Vertical Base Height Power – File Enclosure

**OLD**
File Enclosure – Vertical Element
(For use with Horizontal File Enclosure Element Only)

**NEW**
File Enclosure – Vertical Element
(For use with Horizontal File Enclosure Element Only)

---

**Tip**
- No functional or aesthetic change to hardwire option (-C).

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Pass Through – File Enclosure

**Note**
- Do not mix Pattern's old architectural power and the new modular power system in the same application.
- Do not mix 3- and 4-circuit power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.

### Vertical Base Height Power Location:
- **OLD**
  - (A) Vertical/Base Blank Access Door only
- **NEW**
  - Vertical pass-through (no blank access door)

### File Enclosure Vertical Element for use with:
- Reference Top
- Reference Return

### Effective Aug 27, 2012
- New modular power components
- Existing catalog number has not changed

---

**File Enclosure – Vertical Element (For use with Reference Top and Reference Return)**

OLD

- Vertical Base Height Power Location:
  - (A) Vertical/Base Blank Access Door only

NEW

- Vertical Base Height Power Location:
  - (A) Vertical pass-through (no blank access door)

- 30 ½” High Vertical Elements
- 42 ½” High Vertical Elements

- 42” Deep QQVE
- 42” Deep QQVA

- 30 1/2” High Vertical Elements
- 42” Deep QQVE
- 42” Deep QQVA

---

- File Enclosure Vertical Element for use with:
  - Reference Top
  - Reference Return
Patterns Power Changes – Flip Top Cutouts – File Enclosure

**OLD**

File Enclosure Shell

**NEW**

File Enclosure Shell

---

**3- and 4-Circuit Power (Through and Out) – Power Location (H) One Flip Top Unit**

Horizontal & vertical jumpers - through. Flip Top cutout for separately specified flip top unit – out.

- Reference Top with flip top cut (H) requires a separately specified Flip Top Unit.
- No functional or aesthetic change to hardwire option (-C).

**Tip**

- Jumpers have new modular connector heads and include a 4-Port and 2-Port Splitter
- Horizontal Jumpers have new modular connectors.
- Power Location Option (H) will no longer have blank access door in verticals for 3- and 4-Circuit power options.

**OLD**

File Enclosure Shell

**NEW**

File Enclosure Shell

---

**3- and 4-Circuit Power (Through and Out) – Power Location (L) Two Flip Top Units**

Horizontal & vertical jumpers - through. Flip Top cutout for separately specified flip top unit – out.

- Reference Top with flip top cut (L) requires two separately specified Flip Top Units.
- No functional or aesthetic change to hardwire option (-C).

**Tip**

- Jumpers have new modular connector heads and include a 4-Port and 2-Port Splitter
- Horizontal Jumpers have new modular connectors.
- Power Location Option (L) will no longer have blank access door in verticals for 3- and 4-Circuit power options.

---

**Note**

- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Base Height Power – Studio Table

OLD

Decora Power Assembly
Vertical Base Height Power Location – 3 and 4 Circuit

NEW

Modular Power Assembly
Vertical Base Height Power Location – 3 and 4 Circuit

• Do not mix Pattern’s old architectural power and the new modular power system in the same application.
• Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
• For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.

Tip
• No functional or aesthetic change to hardwire option (-C).

Effective Aug 27, 2012
• New modular power assembly

3- and 4-Circuit Power (Out) – Vertical Base Height Power Access
Power Receptacle and Communication Access at Base Height
Base Height power may be specified and accessed in the Studio Table Vertical End/Mid-Support:

Note
• Do not mix Pattern’s old architectural power and the new modular power system in the same application.
• Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
• For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Base Height Power – Studio Table

**3- and 4-Circuit Power (Out) – Vertical Base Height Power Access**

Power Receptacle and Communication Access at Base Height

Base Height power may be specified and accessed in the Studio Table Vertical End/Mid-Support:

**Power Location:**
- (R) One Side / Inside – Vertical End
- Both Sides - Mid Support

**Tip**
- No functional or aesthetic change to hardwire option (-C).

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
### Patterns Power Changes – Vertical Base Height Power – Studio Table

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Studio Table</strong></td>
<td><strong>Studio Table</strong></td>
</tr>
</tbody>
</table>

**Power Location:**
- (R) One Side / Inside – Vertical End
- Both Sides - Mid Support

**Tip**
- No functional or aesthetic change to hardwire option (-C).

**Effective Aug 27, 2012**
- New modular power components.
- 3- and 4-circuit modular power assembly require separately specified Patterns Modular Receptacles
- Data Blank Cover is separately specified, if needed.

### Note
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4-circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Vertical Pass Through – Studio Table

**OLD**
Studio Table  
Vertical End or Mid Support

**NEW**
Studio Table  
Vertical End or Mid Support

**Power Location**
- (H) Vertical/Base Blank Access Door only  
  One flip top cutout per horizontal  
- (L) Vertical/Base Blank Access Door only  
  Two flip top cutouts per horizontal

- No functional or aesthetic change to hardwire option (-C).

**Tip**

- No functional or aesthetic change to hardwire option (-C).

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.

**30” deep Studio Table**
Vertical End or Mid Support

**Power Location**
- (H) Vertical pass-through (no blank access door) One flip top cutout per horizontal  
- (L) Vertical pass-through (no blank access door) Two flip top cutouts per horizontal

⚠️ Effective Aug 27, 2012

- Power Location Options (H) and (L) no longer include a blank access door.

---

**3- and 4-Circuit Power (Through) – Vertical Pass Through for Desk Height/Flip Top Unit Power Access**

Power and Communication vertical pass-through, only

One Flip Top Cutout  
Two Flip Top Cutouts

---
Patterns Power Changes – Flip Top Cutouts – Studio Table

OLD Studio Table

NEW Studio Table

3- and 4-Circuit Power (Through and Out) – Power Location (H) One Flip Top Unit Cutout
Horizonal & Vertical Jumpers - through. Flip Top cutout for separately specified flip top unit – out.

Tip
- Studio Table with flip top cut (H) requires a separately specified Flip Top Unit per horizontal top.
- No functional or aesthetic change to hardwire option (-C).

Effective Aug 27, 2012
- Jumpers have new modular connectors
- Circuit Distributors have been replaced by the new 4-Port Splitter.

3- and 4-Circuit Power (Through and Out) – Power Location (L) Two Flip Top Unit Cutouts
Horizontal & Vertical Jumpers - through. Flip Top cutout for separately specified Flip Top units – out.

Tip
- Studio Table with flip top cut (L) requires two separately specified per horizontal top.
- No functional or aesthetic change to hardwire option (-C).

Effective Aug 27, 2012
- Jumpers have new modular connectors.
- Circuit Distributors have been replaced by the new 4-Port Splitter.

Note
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Seated Height Power – Bench

Old Power Solution – No Change for powered Bench applications

The original power solution for the Bench will remain as-is for 3-circuit, 4-circuit and hardwire applications.

3- Circuit, 4-Circuit and Hardwire Power (Through and Out) – Seated Height/Flip Top Unit Power Access

- Bench with flip top cut (H) requires a separately specified Flip Top Unit.

Fliptop Location:
(H) Vertical/Base Blank Access Door only.
One flip top cutout in horizontal.

Note
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
**Patterns Power Changes – Hardwire Power – Workwall & File Enclosure**

**Old Power Solution – No Change for Hardwire Power Applications**
- No functional or aesthetic change to the original hardwire power option.
- The original Decora hardwire power assembly and access location to remain as-is for hardwire power applications.

---

**Hardwire Power – Vertical Base Height Access**

**Decora Hardwire Power Assembly**

- Junction Box
- Access Door
- (1) Decora Data Port with Blank Cover (Blank Cover Included)
- Conduit (Field Supplied)
- (2) 15 amp Duplex Decora Receptacles (Receptacles Included)
- Wall Plate

**Hardwire (Out) – Vertical Base Height Power Access**

Power Receptacle and Communication Access at Base Height

**Note** Ships unassembled for field installation; requires field supplied conduit and wire.

---

**Hardwire Power – Vertical Desk Height Power Access**

**Decora Hardwire Power Assembly**

- Junction Box
- (1) Decora Data Port with Blank Cover (Blank Cover Included)
- Conduit (Field Supplied)
- (2) 15 amp Duplex Decora Receptacles (Receptacles Included)
- Wall Plate
- Blank Access Door at Base Height location; cover matches laminate or wood vertical finish.

**Hardwire (Out) – Vertical Desk Height Power Access**

Power Receptacle and Communication Access at Desk Height

**Note** Ships unassembled for field installation; requires field supplied conduit and wire.

---

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Product Specification – Receptacles & Data Blank Covers

### OLD

#### Decora Power Assembly

- **3-Circuit and 4-Circuit**

Prior to August 27th, 2012, Receptacles and Data Port Blank Cover were included with the Decora power assembly for the Vertical Base Height and the Vertical Desk Height power access locations.

**Vertical Base Height Power Decora Power Assembly**

- Decora Data Port with Blank Cover (Blank Cover Included)
- Wall Plate
- Access Door
- Junction Box
- (2) Duplex Decora Receptacles (Receptacles Included)

**Vertical Desk Height Power Decora Power Assembly**

- Decora Data Port with Blank Cover (Blank Cover Included)
- Wall Plate
- Access Door
- Junction Box
- (2) Duplex Decora Receptacles (Receptacles Included)

**Hardwire Power Applications:**

- No functional or aesthetic change to the original hardwire Power option (-C). The original Decora hardwire power assembly and access locations will remain as is for hardwire power applications.
- Hardwire (-C) applications do not require separately specified receptacles.

### NEW

#### Modular Power & Data Assembly

- **3-Circuit and 4-Circuit**

Affective August 27th, 2012, Modular Receptacles and Data Blank Covers must be separately specified for Vertical Base Height and Vertical Desk Height power access locations for 3- and 4-circuit power applications.

**Modular Power & Data Assembly**

- Vertical Base Height
- Vertical Desk Height

**Product Specification – Modular Receptacles and Data Blank Covers**

- New modular receptacles are available 15 or 20 amp or use with 120 volt 60 hertz power sources.
- Available for 3- or 4-circuit power applications; do not mix 3- and 4-circuit power components.
- For 3- and 4-circuit power applications specify the appropriate number of receptacles for each circuit based on required power amperage.
- The Data Blank Cover is used to cover the unused opening at the power access location.
- (1) data blank cover is needed per each modular power and data access location.
- (2) modular receptacles are required per each modular power and data access location.

**3- and 4-Circuit Power (Out) – Vertical Base Height & Vertical Desk Height Power Access**

- Workwall, File Enclosure

**3- and 4-Circuit Power (Out) – Vertical Base Height Power Access**

- Studio Table

---

**Note**

- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4-circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
NEW

Modular Receptacles – 3-Circuit and 4-Circuit

Modular Receptacles – Product Specifications
- Modular receptacles require specification for circuit access, 1, 2, 3 or 4 (if applicable).
- Modular receptacles have fixed circuit access and are not field programmable.
- Modular receptacles require specification for ground type; grounded or isolated.
- A quantity of (2) receptacles are required per each modular power and data access location.

- Receptacle specification must reflect the building power wiring for 4 circuit applications; 3+1 or 2+2
- Specify Grounded or Isolated for 3- and 4- circuit applications
- Specify circuit access 1, 2, 3; or 4, if applicable

<table>
<thead>
<tr>
<th>Description</th>
<th>Building Wiring</th>
<th>Circuit Access</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Circuit</td>
<td></td>
<td></td>
<td>EQER-0015-31G</td>
</tr>
<tr>
<td>Grounded</td>
<td>3-3-2</td>
<td>1</td>
<td>EQER-0015-31G</td>
</tr>
<tr>
<td></td>
<td>3-3-2</td>
<td>2</td>
<td>EQER-0015-32G</td>
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<td>3</td>
<td>EQER-0015-33G</td>
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<td>Isolated</td>
<td>3-3-2</td>
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<td></td>
<td>3-3-2</td>
<td>3</td>
<td>EQER-0015-33I</td>
</tr>
</tbody>
</table>

| 4-Circuit   |                |                | EQER-0015-41G |
| Grounded    | 2+2 or 3+1     | 1              | EQER-0015-41G |
|             | 2+2 or 3+1     | 2              | EQER-0015-42G |
|             | 2+2            | 3              | EQER-0015-23G |
|             | 3+1            | 3              | EQER-0015-D3G |
| Isolated    | 2+2 or 3+1     | 1              | EQER-0015-41I |
|             | 2+2 or 3+1     | 2              | EQER-0015-42I |
|             | 2+2            | 3              | EQER-0015-23I |
|             | 3+1            | 3              | EQER-0015-D3I |
|             | 2+2 or 3+1     | 4              | EQER-0015-44I |

---

3- and 4-Circuit Power (Out) – Vertical Base Height & Vertical Desk Height Power Access
- Workwall, File Enclosure
- Studio Table

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
### Field Retrofit Capabilities

**OLD**

Powered verticals with desk height power could be field retrofitted with base height power which provided the user with both desk and base height power access in the same vertical.

**NEW**

Powered verticals may have either desk height or base height power access. Desk height powered verticals cannot be field retrofitted with base height power. Contact Specials for desk and base height power access in the same vertical.

#### Field Retrofit Option:
- Vertical Base Height Power & Desk Height Power access in the same vertical.

### 3- and 4-Circuit Power (Out) – Vertical Base Height & Vertical Desk Height Power Access

- Workwall and File Enclosure

---

**Note**
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Power Jumpers Are Still Included In 3-Circuit and 4-Circuit Powered Horizontals and Verticals

- Horizontal and Vertical Jumpers will continue to be included with 3- and 4-circuit powered surfaces.
- Separately specified jumpers are needed for product reconfigurations, only.
- Vertical Jumper is factory installed for 3- and 4-circuit powered verticals.
- Horizontal Jumper requires field installation in a 3- and 4-circuit powered horizontals.

Horizontal Jumper and Powered Horizontal Elements – 3-Circuit and 4-Circuit

Vertical Jumper and Powered Vertical Elements – 3-Circuit and 4-Circuit

3- and 4-Circuit Power (Through)
- Workwall, File Enclosure and Studio Table

Note
- Do not mix Pattern’s old architectural power and the new modular power system in the same application.
- Do not mix 3-circuit and 4-circuit or hardwire power options in the same application.
- For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Patterns Power Changes – Product Specification

Reconfiguration Scenario
• Installed product application with Patterns old power system; 3- or 4- circuit
• Needs additional product for reconfiguration

Product Solutions:
• Additional Patterns product must be specified with the hardwire product option (-C) for power & aesthetic compatibility with the existing product installation.
• Refer to eParts for compatible electrical components/parts; vertical harness, horizontal jumper, circuit distributor, etc. Order as needed to work with new product reconfiguration.

Resources:
• For Patterns power application questions contact your Haworth Field Sales Engineer or the Sales Engineering Hot Line 616.393.1976

Patterns Power Application Facts
• Patterns product orders entered after August 27, 2012 will receive the new modular power solution for 3- and 4-circuit powered product. Product specifications must include separately specified modular receptacles. Data blank covers are also separately specified, order as needed. Note: If receptacle blank covers are needed contact Specials.
• Patterns 3- and 4-circuit powered product ordered after August 27, 2012 is aesthetically and functionally different than product ordered prior to August 27, 2012.
• Patterns hardwire power option (-C) will continue to include (1) Decora Data Port with Blank Cover and (2) 15 amp Duplex Decora Receptacles for vertical Base Height and desk height power access locations.
• Patterns new modular power system (after August 27, 2012) cannot be physically attached to the old Patterns power system (prior to August 27, 2012).
• Patterns new modular power system (after August 27, 2012) has fully modular electrical components unlike the old Patterns power system (prior to August 27, 2012).
• Due to the modular electrical components the new power system (after August 27, 2012) is quicker to install and only requires an electrician to connect the building power to Patterns power.

Note
• Do not mix Pattern’s old architectural power and the new modular power system in the same application.
• Do not mix 3- circuit and 4- circuit or hardwire power options in the same application.
• For Patterns electrical components manufactured prior to Aug 27, 2012, refer to eParts.
Product Overview
Patterns
Introduction

What is Patterns?
Patterns is a conscious break from cubicle-type solutions — redefining the way we look at interiors while expanding design freedom. With design influences from Europe and North America, Patterns brings a fresh approach with an architectural feel. This architectural product was designed to create permanence and therefore not recommended to be reconfigured or used in mobile applications. Patterns gives design back to the designer.

Patterns allows designers to introduce elements in varying degrees of scale, volume, and mass to their spatial compositions creating a visual relationship between architecture and furniture. Patterns may be applied minimally for punctuation and articulation of space, or holistically to achieve a rhythm and cadence offering balance and a cohesive visual framework.

Patterns product has several key product attributes which allows:
• designing a product reminiscent of architecture
• redefining the floor plate
• integrating with surrounding architecture

Patterns has an instinctively familiar form, it takes a folded plane and elevates it to a sophisticated design. The simplicity of the folded plane, which is the basis of the design behind each element of Patterns, makes Patterns easy to work with and customize.

Patterns includes the following product categories:
• Bench
• File Enclosure
• Studio Table (conference table or studio desking applications)
• Workwall (Systems and Architectural)
Introduction
Many companies today are downsizing the number of private offices within a space. Patterns can help with these transitions by offering applications that can be used in both the open and closed plan. In this particular floor plate, you can see the same “private office” application being used in the open plan as well as within Enclose™ walls. The benefit is the individuals who are being moved out of private offices still feel they have a sense of permanence.

The placement of Systems Workwalls creates rhythm and visual order in the open plan:
• For example, rhythm is created through matching heights throughout a department with visual interest added using different applications within the department to aid individuals who work differently.

The placement of Architectural Workwalls provide punctuation and visual interest within a space.
• In this floor plate the punctuation is seen using architectural workwalls greater than 76” in height. These workwalls provide delineation of space, so that one can distinguish one department from another.

File Enclosures create delineation of space as well as containment of X Series® storage.
• Studio Desking applications provide individual workspace.

Benches provide touch down seating.
Product Overview – Patterns

Edge Trim Details
Pattern’s trim detail on the Studio Table, Bench, Workwall, and File Enclosure has a beveled edge with an anodized metal inlay.

Detail A

- Beveled Edge
  0.125” (6 mm)
  45˚ Angle

- Metal Inlay
  0.160” (4 mm)

Detail B

- Beveled Edge
  0.125” (6 mm)
  45˚ Angle

- Corner Detail (under side)
  Metal Inlay
  0.160” (4 mm)

Trim detail is also located on Workwall Reference Top, Reference Return, and Portal applications.

Note
Catalog Logic – Workwall

EXAMPLE: Patterns Workwall Vertical, 44⅛” high x 22” deep, laminate with backer holes, non-powered, left vertical.

**RQVA-44 00-4 O L Y NN N L**

- **Light Option**
  - N – None

- **Power Location Options**
  - N – None
  - R – Base Access
  - D – Vertical Desk-Height Access
  - K – Vertical Base/Back-to-Back Access
  - Z – Vertical Desk Height/Back-to-Back Access
  - Q – Vertical Desk/Outside Access

- **Power Options**
  - N – None
  - 3 – 3-Circuit
  - 4 – 4-Circuit
  - C – Hardwire

- **Backer Options**
  - Y – Holes to Accept Backer
  - N – No Holes for Backer

- **Surface Options**
  - L – Laminate
  - W – Wood

- **Width**
  - 00” – 72” to 120”

- **Height**
  - 4 – ⅛” Height
  - 0 – On the Inch Height

- **Depth**
  - A – 22” Depth
  - E – 42” Depth

- **Product Type**
  - U – Shell
  - V – Vertical
  - H – Horizontal

- **Platform/Product Line**
  - Q – Patterns

- **Product Category**
  - R – Workwall
Product Overview – Patterns

Catalog Logic – Studio Table
EXAMPLE: Patterns Studio Table, 30” deep x 29” high x 96” wide, laminate, no backer, non-powered.

TQUD-29 96-0 0 L N NN N

<table>
<thead>
<tr>
<th>Light Option</th>
<th>N – No light</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Location Options</td>
<td></td>
</tr>
<tr>
<td>N – None</td>
<td></td>
</tr>
<tr>
<td>H – One Cutout for Flip Top Unit per Horizontal</td>
<td></td>
</tr>
<tr>
<td>L – Two Cutouts for Flip Top Unit per Horizontal</td>
<td></td>
</tr>
<tr>
<td>R – Vertical Base Access with Receptacles</td>
<td></td>
</tr>
<tr>
<td>Power Options</td>
<td></td>
</tr>
<tr>
<td>N – None</td>
<td></td>
</tr>
<tr>
<td>1 – Single-Circuit, Corded</td>
<td></td>
</tr>
<tr>
<td>3 – 3-Circuit</td>
<td></td>
</tr>
<tr>
<td>4 – 4-Circuit</td>
<td></td>
</tr>
<tr>
<td>C – Hardwire</td>
<td></td>
</tr>
<tr>
<td>Backer Options</td>
<td></td>
</tr>
<tr>
<td>N – No holes for backer</td>
<td></td>
</tr>
<tr>
<td>Surface Options</td>
<td></td>
</tr>
<tr>
<td>L – Laminate</td>
<td></td>
</tr>
<tr>
<td>W – Wood</td>
<td></td>
</tr>
<tr>
<td>0 – On the Inch Width</td>
<td></td>
</tr>
<tr>
<td>0 – On the Inch Height</td>
<td></td>
</tr>
<tr>
<td>Width – 72” to 243” Inside Dimension</td>
<td></td>
</tr>
<tr>
<td>Height – 29” High</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td></td>
</tr>
<tr>
<td>D – 30” Depth</td>
<td></td>
</tr>
<tr>
<td>G – 63” Depth</td>
<td></td>
</tr>
<tr>
<td>Product Type</td>
<td></td>
</tr>
<tr>
<td>U – Shell</td>
<td></td>
</tr>
<tr>
<td>Platform/Product Line</td>
<td></td>
</tr>
<tr>
<td>Q – Patterns</td>
<td></td>
</tr>
<tr>
<td>Product Category</td>
<td></td>
</tr>
<tr>
<td>T – Table</td>
<td></td>
</tr>
</tbody>
</table>
Catalog Logic – File Enclosure

**EXAMPLE:** File Enclosure Vertical element (for use with horizontal element), 22” deep x 42 1/2” high, laminate with backer holes, non-powered, left outside position.

**QQVA-42 00-4 O L Y NN N L**
Product Overview – Patterns

Catalog Logic – Bench
EXAMPLE: Patterns Bench, 22” deep x 171/2” high x 72” wide, laminate, non-powered, no shelf or cushion.

SQBA-17 72-4 0 L N NN N

- Product Category: S – Seating
- Platform/Product Line: Q – Patterns
- Product Type: B – Bench
- Depth: A – 22” Depth, D – 30” Depth
- Height: 17”
- Width: 72”
- 4 – 1½” Height
- Surface Options: L – Laminate, W – Wood
- 0 – On the Inch Width
- Power Options: N – None, 1 – Single Circuit, Corded, 3 – 3-Circuit, 4 – 4-Circuit, C – Hardwire
- Flip Top Location: N – None, H – One Cutout for Flip Top Unit per Horizontal
- Shelf Options: N – None, S – Shelf
- Cushion Option: N – None, C – Cushion
• Tailored product solutions are available to accommodate architectural needs.
• Workwall Shell existing dimensions may be modified in $\frac{1}{8}$" increments providing the functionality and aesthetic properties of Patterns original design is not altered.
• For access to an electronic design tool to support a tailored product application contact your supplier for availability and user information.
**Workwall: Terminology**

A Horizontal or Horizontal Element, a Vertical or Vertical Element: the difference is terminology as it relates to the planning models.

Terminology is used to differentiate between the two planning models.
- A single stand alone Workwall Shell is specified with a single catalog number.

“Elements” are used for an In-Line Workwall application.
- In-Line Workwall application is specified with multiple catalog numbers.

**Workwall Shell**
- Specified as a single catalog number.

**In-Line Workwall Horizontal and Vertical Elements**
- Horizontal and Vertical Elements specified as multiple catalog numbers.
**Workwall: Understanding Workwalls**

**Workwall Foundation**

All Workwall applications start with a foundation comprised of a Horizontal with Stabilizer and Verticals. The Workwall Stabilizer provides support to the structure.

**Workwall Shell or In-Line Planning Models**

![Workwall Shell or In-Line Planning Models Diagram]

**Workwall Components**

A Patterns Workwall has many options. Select which Workwall components best meet the design needs for your work style. Separately specified Workwall components are for use beneath a Horizontal Element in an In-Line Workwall application or within the Workwall Shell.

- Workwall Backer
- Workwall Credenza Top
- Workwall Tackboard
- Workwall Suspended Shelf
- Workwall Suspended Shelf Backer
- Workwall Floor Supported Shelf
- Workwall Sliding Door for Floor Supported Shelf
- Workwall Sliding Door for Suspended Shelf

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*Patterns - Workwall: Understanding Workwalls*
Workwall: Understanding Workwalls

Two Planning Models

Workwall Shell

An Individual Workwall
A Workwall Shell is for an individual stand-alone Workwall application and is available in three widths. The Workwall Shell includes the Horizontal with Stabilizer and Verticals as a single catalog number.

Workwall Horizontal and Vertical Elements

In-Line Workwall
In-Line Workwall applications are comprised of more than one horizontal plane. At a minimum one of the horizontal planes must be a Horizontal Element. Horizontal plane options include:

- Horizontal Element (with Stabilizer)
- Reference Top
- Reference Return
- Portal

These horizontal planes must be designed using the individual Horizontal and Vertical Elements planning model: Horizontal and Vertical Elements are separately specified catalog numbers.
Workwall: Understanding Workwalls

Single- or Double-Sided Workwall Application

The Workwall Shell and Workwall Horizontal and Vertical Elements are offered in two depths for single- or double-sided applications.

Workwall Shell

An Individual Workwall

22” Deep Single-Sided Workwall Shell 42” Deep Double-Sided Workwall Shell

Tip Workwall Shell with Stabilizer is available in three widths for stand alone applications.

Workwall Horizontal (with Stabilizer) and Vertical Elements

In-Line Workwall

22” Deep Single-Sided In-Line Workwall 42” Deep Double-Sided In-Line Workwall

Horizontal Element (includes Stabilizer) Horizontal Element (includes Stabilizer)

Tips

• An In-Line Workwall application has two or more in-line horizontal planes and the designated Vertical Elements.
• At a minimum one of the horizontal planes in an In-Line Workwall must be a Horizontal Element.
• Reference Tops, Reference Returns, and Portals are also available single- or double-sided for In-Line Workwall applications.
Workwall Shell: Statement of Line

- The Workwall Shell includes a 3" thick Horizontal and two 3" thick Verticals.
- The Horizontal includes a 25" high Stabilizer which spans from inside-vertical to inside-vertical providing support.
- The Workwall Shell is available in four heights and three widths. Standard in two depths: 22" or 42".

Heights and widths are available for both depths.

### Height

<table>
<thead>
<tr>
<th>OUTSIDE HEIGHT</th>
<th>INSIDE HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>44½&quot;</td>
<td>41½&quot;</td>
</tr>
<tr>
<td>60½&quot;</td>
<td>57½&quot;</td>
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<tr>
<td>76½&quot;</td>
<td>73½&quot;</td>
</tr>
<tr>
<td>92½&quot;</td>
<td>89½&quot;</td>
</tr>
</tbody>
</table>

### Width

<table>
<thead>
<tr>
<th>OUTSIDE WIDTH</th>
<th>INSIDEWIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>78&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td>102&quot;</td>
<td>96&quot;</td>
</tr>
<tr>
<td>126&quot;</td>
<td>120&quot;</td>
</tr>
</tbody>
</table>

22" Deep: Single-Sided

42" Deep: Double-Sided

Tip

The Workwall Shell catalog number reflects the outside height and the inside width.

Note

Some building codes may restrict the use of heights greater than 69" (1753mm). Consult your local code authority to assure that the furniture layout is compliant prior to installation.
Workwall Shell: Overview

Workwall Shell

- Laminate or Wood surface options
- Includes a 3" thick Horizontal and two Verticals
- Includes 1" thick, 25" high Stabilizer; surface option may be the same or different than the Horizontal and Vertical
- Depths: 22" or 42"
- Outside Heights: 44½", 60½", 76½", and 92½"
- Outside Widths: 78", 102", and 126"
- Backer Option
- Power Options include:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire
- Power and Communication Access is located within the Verticals; two options:
  - Vertical Base (for base height power)
  - Vertical Desk Height (for desk height power)
- Specification of the power option will be the same on both Verticals

22" Deep: Single-Sided Workwall Shell

**Workwall Backer Option:**
- Workwall Backer must be separately specified.
- When specifying the Workwall Shell select “yes” for the backer option which includes pre-drilled holes in the Verticals for the Workwall Backer.
- The Workwall Backer encloses the back of the application from Vertical-to-Vertical and from the top of the Stabilizer to the inside of the Horizontal.

Tips

- 3- and 4-Circuit power options include receptacles, harnesses and power jumpers with modular connections to route power from a vertical through the horizontal to the opposite vertical.
- Requires separately specified power infeed.
Workwall Shell: Overview

Refer to the Horizontal and Vertical Elements product detail pages about the Horizontal with Stabilizer and Verticals within the Workwall Shell.

Workwall Horizontal Insert Pins

Stabilizer

Single
Double

22" Deep Horizontal: Structural Beam

42" Deep Horizontal: Structural Beam

Side View

Single Seam
Double Seam

Side View

Side View
Workwall Shell: Power Options

Non-Powered Option

- Specify power option (N) for a non-powered application; no receptacles or communication ports.
- For power option (N), there are no internal Power and Communication routing channels, utility cutouts, or power access openings in the Workwall Shell.
- Field retrofitting to a powered application is not recommended.

<table>
<thead>
<tr>
<th>Power Options/Locations</th>
<th>22&quot; Deep: Single-Sided</th>
<th>42&quot; Deep: Double-Sided</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Option:</td>
<td>(N) None</td>
<td></td>
</tr>
<tr>
<td>Power Location:</td>
<td>(N) None</td>
<td></td>
</tr>
<tr>
<td>Power Access Location:</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>
Workwall Shell: Power Options

3- and 4-Circuit Power Options: Vertical Base Height

- Specify power option (3) or (4) with Power Location (R) for Vertical base height receptacles and Data Ports.
- Workwall Shell includes internal channels for routing power and communication.
- Power harnesses and jumpers are included allowing some connections with modular connectors; remaining connections are hardwired.

Each Base Height Utilities Access location includes:

22" Deep Workwall Shell with power location (R) includes:
- Four base height duplex receptacles
- Two communication ports with blank covers

42" Deep Workwall Shell with power location (R) includes:
- Eight base height duplex receptacles
- Four communication ports with blank covers
Workwall Shell: Power Options

3- and 4-Circuit Power Options: Vertical Desk Height

- Specify power option (3) or (4) with Power Location (D) for Vertical desk height receptacles and communication ports.
- Workwall Shell includes internal channels for routing power and communication.
- Power harnesses and jumpers are included allowing some connections with modular connectors; remaining connections are hardwired.

Each Desk Height Utilities Access location includes:

![Diagram of Workwall Shell](image)

22” Deep Workwall Shell with power location (D) includes:
- Four desk height duplex receptacles
- Two communication ports with blank covers
- Two base height blank access doors

42” Deep Workwall Shell with power location (D) includes:
- Eight desk height duplex receptacles
- Four communication ports with blank covers
- Four base height blank access doors

**Note** Junction box and receptacles shipped assembled in Vertical.
Workwall Shell: Power Options

Hardwire Power Option: Vertical Base Height

- Specify power option (C) with Power Location (R) for Vertical base height receptacles and communication ports.
- Workwall Shell includes internal channels for routing power and communication.
- Power harnesses and jumpers are not included.
- Requires field supplied conduit and wire.

Each Base Height Utilities Access location includes:

Note: Shipped unassembled for field installation by licensed electrician.

22” Deep Workwall Shell with power location (R) includes:
- Four base height duplex receptacles
- Two communication ports with blank covers

42” Deep Workwall Shell with power location (R) includes:
- Eight base height duplex receptacles
- Four communication ports with blank covers

Note: Junction box and receptacles shipped assembled in vertical.
Workwall Shell: Power Options

Hardwire Power Option: Vertical Desk Height

- Specify power option (C) with Power Location (D) for Vertical base height receptacles and communication ports.
- Workwall Shell includes internal routing channels for routing power and communication.
- Power harnesses and jumpers are not included, requires field-supplied conduit and wire.

Each Desk Height Utilities Access location includes:

![Diagram of Workwall Shell components]

**Note** Shipped unassembled for field installation by licensed electrician.

**22” Deep Workwall Shell with power location (D) includes:**
- Four desk height duplex receptacles
- Two communication ports with blank covers
- Two base height blank access doors

**42” Deep Workwall Shell with power location (D) includes:**
- Eight desk height duplex receptacles
- Four communication ports with blank covers
- Four base height blank access doors

**Tip** Hardwire Power Option (C) with Power Location (N (None)) is not a valid product selection; a hardwire power application must be specified as (R (Vertical Base)) or (D (Vertical Desk Height)).
Workwall: Horizontal and Vertical Elements Statement of Line

Statement of Line Overview: Horizontal Elements

In-Line Workwall applications are comprised of Horizontal and Vertical Elements with alternate Horizontals like the Reference Top, Reference Return, and Portal.

- All Horizontals have designated Vertical Elements for use only with a specific Horizontal.

**Horizontal**

All Workwall Horizontal Elements are available 22" deep for single-sided applications or 42" deep for double-sided applications. All Horizontals are 3" thick.

Options include:
- Horizontal Element with Stabilizer
- Reference Top
- Reference Return
- Portal

**Horizontal Element (with Stabilizer)**

- Available 72", 96", and 120" wide

22" Deep: Single-Sided

<table>
<thead>
<tr>
<th>HEIGHTS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>44½&quot;</td>
</tr>
<tr>
<td>60½&quot;</td>
</tr>
<tr>
<td>76½&quot;</td>
</tr>
<tr>
<td>92½&quot;</td>
</tr>
</tbody>
</table>

42" Deep: Double-Sided

- Single Seam

<table>
<thead>
<tr>
<th>HEIGHTS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>44½&quot;</td>
</tr>
<tr>
<td>60½&quot;</td>
</tr>
<tr>
<td>76½&quot;</td>
</tr>
</tbody>
</table>

42" Deep: Double-Sided

- Double Seam

<table>
<thead>
<tr>
<th>HEIGHTS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>92½&quot;</td>
</tr>
</tbody>
</table>
Workwall: Horizontal and Vertical Elements Statement of Line

Statement of Line Overview: Reference Top, Reference Return, and Portal

**Reference Top**
- Available 48", 60", and 72" Wide
- 44½" High (only)

**Reference Return**
- Available 48", 60", and 72" Wide
- 44½" High (only)

**Portal**
- Available 48", 60", 72", 84", and 96" Wide
- 92½" High (only)
Patterns – Workwall: Horizontal and Vertical Elements Statement of Line

Statement of Line Overview: Vertical Elements

In-Line Workwall applications are comprised of Horizontal and Vertical Elements with alternate Horizontals like the Reference Top, Reference Return, and Portal. All Verticals have designated Horizontal Elements for use only with a specific Vertical.

All Workwall Vertical Elements are available 22” deep for single-sided applications or 42” deep for double-sided applications. All Verticals are 3” thick.

Options include:
• Vertical Element for use with Horizontal Element
• Vertical Element for use with Reference Top or Reference Return
• Vertical Element for use with Portal

Vertical Element for use with Horizontal Element
• Available 44½”, 60½”, 76½”, and 92½” High

22” Deep: Single-Sided

42” Deep: Double-Sided
Workwall: Horizontal and Vertical Elements Statement of Line

Statement of Line Overview: Vertical Element for use with Reference Top or Reference Return

- Available 44½" High

22" Deep: Single-Sided

Centered Right Centered Left

42" Deep: Double-Sided

Centered Right Centered Left

Vertical Element for use with Portal

- Available 92½" High

22" Deep: Single-Sided

Centered Right Centered Left

42" Deep: Double-Sided

Centered Right Centered Left
Workwall: Horizontal and Vertical Elements Statement of Line

Statement of Line: Overview

The Workwall Horizontal Element is used to design In-Line Workwall applications; 22” deep single-sided and 42” deep double-sided. All In-Line Workwall applications must have at least one Horizontal Element. In-Line Workwall applications may be comprised of all Horizontal Elements or may incorporate alternate horizontal planes such as a Reference Top, Reference Return, and Portal.

All Horizontal and Vertical Elements are separately specified. Identify the height of the Workwall application when specifying a Horizontal Element for structural support purposes. The support strength of the Horizontal Element varies based on the structural beam per the Workwall height. The higher the Workwall application the greater integral support per Horizontal Element.

Horizontal Element (with Stabilizer)

22” Deep: Single-Sided

44½”, 60½”, 76½”, 92½”

42” Deep: Double-Sided

- Single Seam in Horizontal

44½”, 60½”, 76½”, 92½”

- Double Seam in Horizontal

42” Deep: Double-Sided

Vertical Element (for use with Horizontal Element)

22” Deep: Single-Sided

- Heights: 42½”, 60½”, 76½”, and 92½”

22” Deep: Double-Sided

- Heights: 42½”, 60½”, 76½”, and 92½”

42” Deep: Double-Sided

- Heights: 42½”, 60½”, 76½”, and 92½”
Workwall: Horizontal and Vertical Elements Statement of Line

Statement of Line: Overview

- The Workwall Reference Top and Reference Return is used to design In-Line Workwall applications; 22" deep single-sided and 42" deep double-sided.
- A Reference Top is used between two Horizontal Elements and a Reference Return is used at the end of an application adjacent to a Horizontal Element in an In-Line Workwall.
- The Reference Top and Reference Return are for use in 44½" high applications, only. These planes do not include a Stabilizer as they are intended for an open application.
- Vertical Elements are separately specified, however the Reference Return includes one vertical end.

Reference Top: 44½" High
- Reference Top is used between two Horizontal Elements in a 44½" high application.

22" Deep: Single-Sided
- Widths: 48", 60", and 72"

42" Deep: Single-Sided
- Widths: 48", 60", and 72"

Reference Return: 44½" High
- Reference Return includes a horizontal and one handed vertical and is located at the end of a Workwall application, adjacent to an appropriate Vertical Element.

22" Deep: Single-Sided
- Widths: 48", 60", and 72"

42" Deep: Double-Sided
- Widths: 48", 60", and 72"

44½" High Vertical Element (for use with Reference Return/ Reference Top)

22" Deep

42" Deep
Workwall: Horizontal and Vertical Elements Statement of Line

Statement of Line: Overview

- The Workwall Portal is used to design In-Line Workwall applications; 22” deep single-sided and 42” deep double-sided and is used between two Horizontal Elements.
- The Portal is for use in 92½” high applications and is intended for an open walk-through application.
- Portal is used between two appropriate Vertical Elements in a 92½” high application.
- Vertical Elements are separately specified.

Horizontal Element (for use with Portal)

22” Deep: Single-Sided
- Widths: 48”, 60”, 72”, 84”, and 96”

42” Deep: Double-Sided
- Widths: 48”, 60”, 72”, 84”, and 96”

92½” High Vertical Element (for use with Portal)

22” Deep
- Centered Right
- Centered Left

42” Deep
- Centered Right
- Centered Left

Note: Vertical Element for use with Portal is always used to support both sides of a Portal.
Workwall: Horizontal and Vertical Elements

Horizontal Element with Stabilizer

- Laminate or Wood surface options
- Includes 3" thick Horizontal Element and 25½" high Stabilizer
- Depths: 22" or 42"
- Widths: 72", 96", and 120"
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire

A non-powered application does not include internal routing channels or power jumper.

A hardwire powered application includes internal power and Power and Communication routing channels. Does not include power jumper.

A 3- or 4-Circuit powered application includes internal power and Power and Communication routing channels and power jumper.

**Note** Field retrofitting to a powered application is not recommended.
Workwall: Horizontal and Vertical Elements

Horizontal Element and Structural Beam

22" Deep: Single-Sided Horizontal Element
• Workwall Horizontal Elements include a structural beam for support strength.
• The structural beam profile is visible beneath the Horizontal Element only and trim cover is standard in Anodized Matte.

Structural Beam with Trim Cover

Workwall: Front View
• Heights: 44½", 60½", 76½", and 92½"
Workwall: Horizontal and Vertical Elements

Horizontal Element and Structural Beam

42" Deep Double-Sided Horizontal Element
- 44½", 60½", and 76½" high Workwall Horizontal Elements have a single seam to accommodate the 4" high structural beam.

Structural Beam with Trim Cover
- Heights: 44½", 60½", and 76½"

Structural Beam with Trim Cover
- Heights: 92½"
- 92½" high Workwall Horizontal Element has a double seam to accommodate the 5" high structural beam.
Workwall: Horizontal and Vertical Elements

Horizontal Element and Stabilizer

Stabilizer (included with Horizontal Element):
• Laminate or Wood surface options; may be the same or different than the Horizontal Element surface option.
• 1” thick x 25” high.
• Stabilizer Widths match Horizontal Element widths: 72”, 96”, and 120”.
• Stabilizer base, mounting rail, and side trim are standard in Anodized Matte.

The Stabilizer provides attachment for:
• Workwall Backer
• Workwall Tackboard Rail
• Workwall Credenza Top
• Workwall Floor Supported Shelf

Note: Wood grain veneer runs horizontal.

Patterns
Workwall: Horizontal and Vertical Elements

Workwall Horizontal Element with Stabilizer

The Workwall Stabilizer attaches to the separately specified Vertical Elements. The Stabilizer provides support to the Workwall and provides attachment locations for the Workwall Backer, Credenza Top, Floor Supported Shelf, and Tackboard Rail.

22" Deep Single-Sided Horizontal Element with Stabilizer

Stabilizer is inset 1" from the Vertical Element back edges.

42" Deep Double-Sided Horizontal Element with Stabilizer

- 22" deep Workwall not for use as double-sided applications; use the 42" deep Workwall for double-sided applications.

Stabilizer is centered between the 42" deep Vertical Elements.
Workwall: Horizontal and Vertical Elements

Workwall Horizontal Element Insert Pins

Workwall Horizontal Element includes insert pins on the underside of the horizontal to support Workwall Suspended Shelves:
• Insert pins are located every 24” within the Workwall Horizontal to match Suspended Shelf Rod locations.
• Insert pins are a standard feature in Horizontal Element.

22” Deep x 96” Wide Workwall Horizontal Element

42” Deep x 96” Wide Workwall Horizontal Element

- Pre-drilled holes with threaded metal fasteners accept insert pins or suspended shelf rods.
- The Horizontal Element includes factory-installed insert pins.

Insert pins standard in Metallic Silver.

Suspended Shelf Rod
Workwall: Horizontal and Vertical Elements

Horizontal Element with Power Options and Internal Power and Communication Routing

Non-Powered:
- Specify power option (N) for a non-powered application; no receptacles or communication ports.
- For power option (N), there are no internal Power and Communication routing channels, utility cutouts, or power access openings. Field retrofitting to a powered application is not recommended.

Power Option:
- (N) None

Power Access Location:
- Power not accessible in horizontal

3- and 4-Circuit Power:
- Specify power option (3) or (4) for internal power jumper for a 3- or 4-Circuit power application.
- Horizontal includes internal Power and Communication channel and power jumper with modular connections.
- Jumper continues the power path through horizontal to the Vertical Element or spans through a non-powered Vertical Element.

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Access Location:
- Power not accessible in horizontal

Hardwire Power:
Specify power option (C) for hardwire application. No power harness or jumpers included. Requires field-supplied conduit and wire. Horizontal includes internal Power and Communication channel. Power not accessible in Horizontal Element.

Power Option:
- (C) Hardwire

Power Access Location:
- Power not accessible in horizontal
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

- Laminate or wood surface options
- Includes 3” thick vertical
- Depths: 22” or 42”
- Heights: 44½”, 60½”, 76½”, and 92½”
- Backer Option
- Available Left-Hand, Right-Hand, or Center
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire
- Power and Communication Locations:
  - Non-Powered
  - Vertical Base (one side on left- and right-hand, back-to-back on center)
  - Vertical Desk Height (one side on left- and right-hand, back-to-back on center)

Vertical Element Position

Vertical Element Detail

- Slots provide attachment to the Horizontal Element(s). The slot and access opening location determines the handedness.
- Slots and access openings are located at the top of the Vertical Element.
- Access openings allow for power and Power and Communication routing. The access openings on the left- and right-hand verticals are located on the inside of the vertical.
- Insert pins on the face of the Vertical Element accommodate component attachment. Left- and right-hand Vertical Element insert pins are located on the inside of the vertical. Center Vertical Elements have insert pins on both sides.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

Locations of Access Openings, Slots, and Insert Pins
- Vertical Elements have dedicated application positions due to the access opening, slots, and insert pin locations.
- **Access Openings**: Located at the top of the Vertical Element. Allow for power and communication routing.
- **Slots**: Located at the top of the Vertical Element. Allow for attachment to Horizontal Element(s).
- **Insert Pins**: Located on the Vertical Element face; one or two sides depending on the Vertical Element position. Allow for component attachment.

22” Deep: Single-Sided Vertical Element

42” Deep: Double-Sided Vertical Element

![Diagram of Vertical Element](image)
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

Insert Pin Locations for Mounting Components
- Vertical Elements have predetermined mounting locations to accommodate component attachment.
- Insert pins are standard in Metallic Silver. Mounting locations accommodate:
  - Workwall Credenza Top
  - Workwall Floor Supported Shelf
  - Workwall Suspended Shelf
  - Vertical Wire Manager

Factory installed insert pins have a 0.6” Diameter. Insert Pins are flush with the face of the Vertical Element.

Bushings are field installed on the insert pins as needed for mounting shelves.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

**Backer Option**
Specifying the backer option for Vertical Elements includes factory pre-drilled holes for mounting the Workwall Backer. Workwall Backers are separately specified. The Workwall Backer encloses the back of the Workwall application from vertical to vertical and between the top of the Stabilizer to the bottom of the Horizontal Element.

![Diagram of Workwall: Horizontal and Vertical Elements](image)

**Tip**
The Vertical Element (for use with Horizontal Element) is the only vertical which offers a backer option. Vertical Element (for use with Reference Top, Reference Return or Portal) does not accept the Workwall Backer.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

Glide Sleeve
The glide sleeve detail is located at the bottom of all verticals.
• Vertical Element (for use with Horizontal Element).
• Vertical Element (for use with Reference Top or Reference Return and Portal).

The Internal Glide Sleeve telescopes up into the vertical and provides access to the leveling glides. Two leveling glides are provided with each Vertical Element and provide 1 1/2" adjustment range.

The internal Glide Sleeve has break-away sections for field modification. Removing sections allow for routing power and communication from the building to the Vertical Element internal channel.

Power and communication may be routed directly through the bottom of the Vertical Element. The access opening is 3.5" x 1.75".

22" Deep Top View:
• Power and communication opening in the bottom of the 22" deep vertical.

42" Deep Top View:
• Power and communication opening in the bottom of the 42" deep vertical.
Workwall: Horizontal and Vertical Elements

Vertical Element

3- and 4-Circuit Power Options
• The base and desk height receptacle and data configuration is the same for all Vertical Elements:
• Vertical Element (for use with Horizontal Element)
• Vertical Element (for use with Reference Top or Reference Return and Portal)

Base Height Power and Communication:

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit

Power Location:
• (R) One Side/Inside
• (J) One Side/Outside
  (Reference Top, Reference Return, Portal)
• (K) Two Sided/Back-to-Back

Each Base Height Utility Access Location includes:

Vertical Desk Height Power and Communication:

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit

Power Location:
• (D) One Side/Inside
• (Q) One Side/Outside
  (Reference Top, Reference Return, Portal)
• (Z) Two Sided/Back-to-Back

Each Vertical Desk Height Utility Access Location includes:

Tip
Wall plate and receptacles are available in supplier white or greytone.

Notes
Junction Box and Receptacles shipped assembled in Vertical and wired to circuit 1 with harness and quick-connect end to provide easy connection to Horizontal jumper.
Workwall: Horizontal and Vertical Elements

Vertical Element

**Hardwire Power Options**
The base and desk height receptacle and data configuration is the same for all Vertical Elements:
- Vertical Element (for use with Horizontal Element)
- Vertical Element (for use with Reference Top or Reference Return and Portal)

**Vertical Base Height Power and Communication:**

**Power Option:**
- (C) Hardwire

**Power Location:**
- (R) One Side/Inside
- (J) One Side/Outside
  (Reference Top, Reference Return, Portal)
- (K) Two Sided/Back-to-Back

Each Vertical Base Height Utility Access Location includes:

- Decora Data Port with Blank Cover (matches receptacle finish)
- Wall Plate
- Access Door (matches laminate or wood Vertical finish)
- Junction Box
- (2) Decora 15 amp Duplex Receptacles

**Vertical Desk Height Power and Communication:**

**Power Option:**
- (C) Hardwire

**Power Location:**
- (D) One Side/Inside
- (Q) One Side/Outside
  (Reference Top, Reference Return, Portal)
- (Z) Two Sided/Back-to-Back

Each Vertical Desk Height Utility Access Location includes:

- Decora Data Port with Blank Cover (matches receptacle finish)
- Wall Plate
- Access Door (matches laminate or wood Vertical finish)
- Junction Box
- (2) Decora 15 amp Duplex Receptacles

**Tip**
Wall plate and receptacles are available in supplier white or greytone.

**Notes**
Shipped unassembled for field installation; requires field supplied conduit and wire.
Workwall: Horizontal and Vertical Elements

Vertical Element

Utility Access Locations
The base and desk height power and communication access location is the same for all Vertical Elements:
- Vertical Element (for use with Horizontal Element)
- Vertical Element (for use with Reference Top or Reference Return and Portal)

Base Height Power and Communication Locations

22” Deep: Single-Sided

Vertical Desk Height Power and Communication Location

22” Deep: Single-Sided

* 34” measurement includes ½” of glides; glide provides additional 1½” of adjustment.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

Non-Powered Option
• Specify power option (N) for a non-powered application; no receptacles or data ports.
• There are no internal cable routing channels in a non-powered Workwall Vertical Element; no utility cutouts or power access for power option (N). Field retrofitting to a powered application is not recommended.

Vertical Element Position (for use with Horizontal)

Power Options/Location

Power Option:
• (N) None

Power Location:
• (N) None

Power Access Location:
• None

Left- or Right-Handed Vertical Elements/Center Vertical Elements

22” Deep: Single-Sided
42” Deep: Double-Sided

Left- or Right-Handed Vertical Elements

Outside
Inside
Outside
Inside

Center Vertical Elements

Outside
Inside

Workwall Vertical Element does not include internal routing channels.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

3- and 4-Circuit Base Height Power Options: One Side/Handed Vertical
- Specify power location (R) for base height receptacles and data port: one side.
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with (2) 15 amp duplex Decora receptacles and (1) data port with blank cover.

Vertical Element (for use with Horizontal)

Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (R) Vertical Base/One Side/Inside

Power Access Location:
- Base Height

One Base Height Utility Access Location:
A 22" deep handed Vertical Element with power location (R) includes (2) duplex receptacles and (1) data port with blank cover.

Two Base Height Utility Access Locations:
A 42" deep handed Vertical Element with power location (R) includes (4) duplex receptacles and (2) data ports with blank covers.

Tip
Handed Verticals are not available with Back-to-Back power option.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

3- and 4-Circuit Base Height Power Options: Back-to-Back/Center Vertical
- Specify power location (K) for base height receptacles and data ports: back-to-back.
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with (2) 15 amp duplex Decora receptacles and (1) data port with blank cover.

Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (K) Vertical Base/Back-to-Back

Power Access Location:
- Base Height, only

Two (Back-to-Back) Base Height Utility Access Locations:
A 22" deep center Vertical Element with power location (K) includes (4) duplex receptacles and (2) data ports with blank covers.

Four (Back-to-Back) Base Height Utility Access Locations:
A 42" deep center Vertical Element with power location (K) includes (8) duplex receptacles and (4) data ports with blank covers.

Tip
Center Vertical is not available with One-Sided power option.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

3- and 4-Circuit Vertical Desk Height Power Options: One Side/Handed Verticals

- Specify power location (D) desk height receptacles and data port: one side.
- Each Vertical Desk height Utility Access Location includes:
  - Junction box and wall plate with (2) 15 amp duplex Decora receptacles, (1) data port with blank cover.

Power Options/Location

<table>
<thead>
<tr>
<th>Power Option</th>
<th>Power Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3) 3-Circuit</td>
<td>(D) Vertical Desk Height/One Side/Inside</td>
</tr>
<tr>
<td>(4) 4-Circuit</td>
<td></td>
</tr>
</tbody>
</table>

Power Access Location:

- Base Desk Height

One Desk Height Utility Access Location:

A 22" deep handed Vertical Element with power location (D) includes (2) duplex receptacles and (1) data port with blank cover; (1) base height blank access door.

Two Desk Height Utility Access Locations:

A 42" deep handed Vertical Element with power location (D) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.

Tip

Handed Verticals are not available with Back-to-Back power option.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

3- and 4-Circuit Vertical Desk Height Power Options: Back-to-Back/Center Vertical
• Specify power location (Z) desk height receptacles and data ports: back-to-back.
• Each Vertical Desk height Utility Access Location Includes:
  - Junction box and wall plate with (2) 15 amp duplex Decora receptacles, (1) data port with blank cover.

Power Options/Location

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit

Power Location:
• (Z) Vertical Desk Height/Back-to-Back

Power Access Location:
• Base Desk Height

Two (Back-to-Back) Desk Height Utility Access Locations:
A 22" deep center Vertical Element with power location (Z) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.

Four (Back-to-Back) Desk Height Utility Access Locations:
A 42" deep center Vertical Element with power location (Z) includes (8) duplex receptacles and (4) data ports with blank covers; (4) base height blank access doors.

Tip
Center Vertical is not available with One-Sided power option.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

Base Height Hardwire Power Option: One Side/Handed Vertical
• Specify power location (R) for base height receptacles and data port: one side.
• Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with (2) 15 amp duplex Decora receptacles and (1) data port with blank cover.

Power Options/Location

Power Option:
• (C) Hardwire

Power Location:
• (R) Vertical Base/One Side/Inside

Power Access Location:
• Base Height

One Base Height Utility Access Location:
A 22” deep handed Vertical Element with power location (R) includes (2) duplex receptacles and (1) data port with blank cover.

Two Base Height Utility Access Locations:
A 42” deep handed Vertical Element with power location (R) includes (4) duplex receptacles and (2) data ports with blank covers.

Tip
Handed Verticals are not available with Back-to-Back power option.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

Hardwire Base Height Power Option: Back-to-Back/Center Vertical
- Specify power location (K) for base height receptacles and data ports: back-to-back.
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with (2) 15 amp duplex Decora receptacles and (1) data port with blank cover.

Power Options/Location

Power Option:
- (C) Hardwire

Power Location:
- (K) Vertical Base/Back-to-Back

Power Access Location:
- Base Height

Two (Back-to-Back) Base Height Utility Access Locations:
A 22" deep center Vertical Element with power location (K) includes (4) duplex receptacles and (2) data ports with blank covers.

Four (Back-to-Back) Base Height Utility Access Locations:
A 42" deep center Vertical Element with power location (K) includes (8) duplex receptacles and (4) data ports with blank covers.

Tip
Center Vertical is not available with One-Sided power option.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

**Hardwire Vertical Desk Height Power Option: One Side/Handed Vertical**
- Specify power location (D) desk height receptacles and data port: one side.
- Each Vertical Desk height Utility Access Location Includes:
  - Junction box and wall plate with (2) 15 amp duplex Decora receptacles, (1) data port with blank cover.

**Power Options/Location**

**Power Option:**
- (C) Hardwire

**Power Location:**
- (D) Vertical Desk Height/One Side/Inside

**Power Access Location:**
- Base Desk Height

**One Desk Height Utility Access Location:**
A 22" deep handed Vertical Element with power location (D) includes (2) duplex receptacles and (1) data port with blank cover; (1) base height blank access door.

**Two Desk Height Utility Access Locations:**
A 42" deep handed Vertical Element with power location (D) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.

**Left- or Right-Hand Vertical Element**

**22" Deep: Single-Sided**

**42" Deep: Double-Sided**

**Tip**
Handed Verticals are not available with Back-to-Back power option.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

Hardwire Vertical Desk Height Power Option: Back-to-Back/Center Vertical
- Specify power location (Z) desk height receptacles and data ports: back-to-back.
- Each Vertical Desk height Utility Access Location includes:
  - Junction box and wall plate with (2) 15 amp duplex Decora receptacles, (1) data port with blank cover.

Power Options/Location

Power Option:
- (C) Hardwire

Power Location:
- (Z) Vertical Desk Height/Back-to-Back

Power Access Location:
- Base Desk Height

Two (Back-to-Back) Desk Height Utility Access Locations:
A 22” deep center Vertical Element with power location (Z) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.

Four (Back-to-Back) Desk Height Utility Access Locations:
A 42” deep center Vertical Element with power location (Z) includes (8) duplex receptacles and (4) data ports with blank covers; (4) base height blank access doors.

Tip: Center Vertical is not available with One-Sided power option.
Workwall: Horizontal and Vertical Elements

Reference Top

- Laminate or wood surface options
- 3” thick
- Depths: 22” or 42”
- Widths: 48”, 60”, and 72”
- 44½” High, only
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire
- Optional Flip Top Unit cutout available for desk height power

Without Flip Top Unit Cutout

With Flip Top Unit Cutout

A non-powered application does not include internal Power and Communication routing channels or power jumpers.

A hardwire powered application includes internal power and Power and Communication routing channels. Does not include power jumper.

A 3- or 4-Circuit powered application includes internal Power and Communication routing channel and power jumper.

Tips

- Workwall Reference Top does not include structural beam or Stabilizer.
- Workwall Reference Tops are for 44½” height applications, only.

Note

Field retrofitting to a powered application is not recommended.
Workwall: Horizontal and Vertical Elements

Reference Top: Non-Powered or 3- and 4-Circuit Power Options

Non-Powered:
- Specify power location and option (N) for a non-powered application.
- There are no internal Power and Communication routing channels, utility cutouts or power access for power option (N).
- Field retrofitting to a powered application is not recommended.

**Power Option:**
- (N) None

**Power Location:**
- (N) None

**22” Deep: Single-Sided**  **42” Deep: Double-Sided**

3- and 4-Circuit Power:
- Specify power location (N) for no cutout in Reference Top. The 3- and 4-Circuit power option includes internal cable channel and power jumper with modular connectors.
- Jumper continues the power path through Horizontal Element to the Vertical Element or spans through a non-powered Vertical Element.

**Power Option:**
- (3) 3-Circuit
- (4) 4-Circuit

**Power Location:**
- (N) None

**Power Access Location:**
- Power not accessible in Reference Top.

**22” Deep: Single-Sided**  **42” Deep: Double-Sided**

3- and 4-Circuit Power:
- Specify power location (H) for one desk height cutout in top. The 3- or 4-Circuit power option includes internal Power and Communication channel and power jumper(s) with modular connectors.
- Jumper continues the power path through Horizontal Element to the Vertical Element or spans through a non-powered Vertical Element.
- Requires separately specified Flip Top Unit with conduit for 3- or 4-Circuit power option.

**Power Option:**
- (3) 3-Circuit
- (4) 4-Circuit

**Power Location:**
- (H) One Flip Top Unit Cutout

**Power Access Location:**
- Desk Height

**22” Deep: Single-Sided**  **42” Deep: Double-Sided**
Workwall: Horizontal and Vertical Elements

Reference Top

Hardwire Power Option
• Specify power location (N) for no cutout in top. No power jumpers included with the hardwire power option. Requires field supplied conduit and wire.

• (C) Hardwire

Power Location:
• (N) None

Power Access Location:
• Power not accessible in Reference Top.

Hardwire Power:
• Specify power location (H) for one cutout in Reference Top. No power jumpers included with the hardwire power option.
• Requires field supplied conduit and wire.
• Requires separately specified Flip Top Unit with conduit for hardwire power option.

• (C) Hardwire

Power Location:
• (H) One Flip Top Unit Cutout

Power Access Location:
• Desk Height
Workwall: Horizontal and Vertical Elements

Reference Return
- Laminate or wood surface options
- 3” thick Horizontal and Vertical end
- Depths: 22” or 42”
- Widths: 48", 60", and 72"
- 44½” High, only
- Available left- or right-hand
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire
- Optional Flip Top Unit cutout available for desk height power

Without Flip Top Unit Cutout

With Flip Top Unit Cutout

A non-powered application does not include internal Power and Communication routing channels or power jumpers.

A hardwire powered application includes internal Power and Communication routing channels. Does not include power jumper.

A 3- or 4-Circuit powered application includes internal Power and Communication routing channels and power jumper.

Tips
- Workwall Reference Return vertical end has no access to power.
- Workwall Reference Return does not include structural beam or Stabilizer.
- Workwall Reference Return is for 44½” height applications, only.

Note
Field retrofitting to a powered application is not recommended.
Workwall: Horizontal and Vertical Elements

Reference Return: Non-Powered or 3- and 4-Circuit Power Options

Non-Powered:
• Specify power option and location (N) for a non-powered application.
• There are no internal Power and Communication routing channels, utility cutouts, or power access for power option (N).
• Field retrofitting to a powered application is not recommended.

<table>
<thead>
<tr>
<th>Power Option: (N) None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Location: (N) None</td>
</tr>
</tbody>
</table>

3- and 4-Circuit Power:
• Specify power location (H) for one desk height cutout in top. The 3- or 4-Circuit power option includes internal cable channel and power jumper(s) with modular connectors.
• Requires separately specified Flip Top Unit.
• Jumper continues the power path to the Flip Top Unit or spans through a non-powered Vertical Element which accepts Reference Return.

<table>
<thead>
<tr>
<th>Power Option: (3) 3-Circuit (4) 4-Circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Location: (H) One Flip Top Unit Cutout</td>
</tr>
<tr>
<td>Power Access Location: Desk Height</td>
</tr>
</tbody>
</table>

Hardwire Power:
• Specify power location (H) for one cutout in Reference Return top. No power jumpers included with the hardwire power option. Requires field supplied conduit and wire.
• Requires separately specified Flip Top Unit with conduit for hardwire power option.

<table>
<thead>
<tr>
<th>Power Option: (C) Hardwire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Location: (H) One Flip Top Unit with Cutout</td>
</tr>
<tr>
<td>Power Access Location: Desk Height</td>
</tr>
</tbody>
</table>
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

- Laminate or wood surface options
- Includes 3” thick vertical
- Depths: 22” or 42”
- Height: 44½”
- Available Centered Left or Centered Right
- Backer Option
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire
- Power and Communication Locations:
  - Non-Powered
  - Vertical Base (one side/inside or outside)
  - Vertical Base (Back-to-Back)
  - Vertical Desk Height (one side/inside or outside)
  - Vertical Desk Height (Back-to-Back)

Vertical Element Detail

Vertical Element Position:

- Slots attach the Reference Top to the adjacent Horizontal Element. The slot and access opening location determines the handedness.
- Slots and access openings are located at the top of the Vertical Element. Access openings allow for Power and Communication routing. Slots attach the Reference Top to the adjacent Horizontal Element. The slot and access opening location determines the handedness.
- Insert pins on the face of the Vertical Element accommodate component attachment. Insert pins are on the inside of the Vertical Element.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

Locations of Access Openings, Slots, and Insert Pins
Vertical Elements have dedicated application positions due to the Access Opening, Slots, and Insert Pin locations.

- **Access Openings**: Located at the top of the vertical. Allow for power and communication routing.
- **Slots**: Located at the top of the vertical. Allow for attachment to Horizontal Element(s).
- **Insert Pins**: Located on the vertical face; one side (inside) depending on the vertical position. Allow for component attachment.

Note: 42" Deep Vertical Element follows same logic.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

Insert Pin Locations for Mounting Components
- Vertical Elements have predetermined mounting locations on the inside of the vertical for component attachment.
- Insert Pins are standard in Metallic Silver. Mounting locations accommodate:
  - Workwall Credenza Top.
  - Workwall Floor Supported Shelf.

Factory installed Insert Pins have a 0.61” diameter. Insert Pins are flush with vertical surface material. Standard in Metallic Silver.

Bushings are field installed on the Insert Pins as needed for mounting components.

Note Insert Pins are located on the Vertical Element inside, only.
Vertical Element (for use with Reference Top or Reference Return)

Non-Powered Option:
- Specify power option (N) for a non-powered application; no receptacles or data ports.
- There are no internal Power and Communication routing channels in the Workwall Vertical Element for use with Reference Top or Reference Return; no Flip Top Unit cutouts or power access for power option (N).
- Field retrofitting to a powered application is not recommended.

Centered Vertical Elements
Power Options/Locations

Power Option:
- (N) None

Power Location:
- (N) None

Power Access Location:
- None

22" Deep: Single-Sided
- Centered Right: Inside
- Centered Left: Outside

42" Deep: Double-Sided
- Centered Right: Inside
- Centered Left: Outside
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

3- and 4-Circuit Base Height Power Options: One Side/Inside/Centered Handed Verticals
- Specify power location (R) for base height receptacles and data port: one side/inside
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
- Workwall Vertical Element includes internal Power and Communication routing channels and power harness with modular connections.

Centered Vertical Element
Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (R) Vertical Base/One Side/Inside

Power Access Location:
- Base Height

One Base Height Utility Access Location:
A 22" deep handed Vertical Element with power and communication access location (R) includes (2) duplex receptacles and (1) data port with blank cover.

Two Base Height Utility Access Locations:
A 42" deep handed Vertical Element with power and communication access location (R) includes (4) duplex receptacles and (2) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

3- and 4-Circuit Desk Height Power Options: One Side/Inside/Centered Handed Verticals
- Specify power location (D) desk height receptacles and data port: one side/inside
- Each Vertical Desk Height Utility Access Location Includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover at vertical desk height.
- Workwall Vertical Element includes internal Power and Communication routing channels and power harness with modular connections.

Centered Vertical Element
Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (D) Vertical Desk Height/One Side/Inside

Power Access Location:
- Desk Height

One Desk Height Utility Access Location:
A 22” deep handed Vertical Element with power and communication access location (D) includes (2) duplex receptacles, (1) data port with blank cover, and (1) base height blank access door.

Two Desk Height Utility Access Locations:
A 42” deep handed Vertical Element with power and communication access location (D) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

3- and 4-Circuit Base Height Power Option: Back-to-Back/Centered Handed Verticals
- Specify power location (K) for base height receptacles and data ports: back-to-back
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
  - Workwall Vertical Element includes internal Power and Communication routing channels and power harness with modular connections.

Centered Vertical Element
Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (K) Vertical Base/Back-to-Back

Power Access Location:
- Base Height

Two (Back-to-Back) Base Height Utility Access Locations:
A 22” deep center Vertical Element with power and communication access location (K) includes (4) duplex receptacles and (2) data ports with blank covers.

Four (Back-to-Back) Base Height Utility Access Locations:
A 42” deep center Vertical Element with power and communication access location (K) includes (8) duplex receptacles and (4) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

3- and 4-Circuit Base Height Power Options: One Side/Outside/Centered Handed Verticals
- Specify power location (J) for base height receptacles and data port: one side/outside
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
- Workwall Vertical Element includes internal Power and Communication routing channels and power harness with modular connections.

Centered Vertical Element
Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (J) Vertical Base – One Side/Outside

Power Access Location:
- Base Height

One Base Height Utility Access Location:
A 22" deep handed Vertical Element with power and communication access location (J) includes (2) duplex receptacles and (1) data port with blank cover.

Two Base Height Utility Access Locations:
A 42" deep handed Vertical Element with power and communication access location (J) includes (4) duplex receptacles and (2) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

3- and 4-Circuit Vertical Desk Height Power Options: One Side/Outside/Centered Handed Verticals
- Specify power location (Q) desk height receptacles and data port: one side/outside
- Each Vertical Desk Height Utility Access Location Includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
  - Workwall Vertical Element includes internal Power and Communication routing channels and power harness with modular connections.

Centered Vertical Element
Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (Q) Vertical Desk Height/One Side/Outside

Power Access Location:
- Desk Height

One Desk Height Utility Access Location:
A 22” deep handed Vertical Element with power and communication access location (Q) includes (2) duplex receptacles and (1) data port with blank cover; (1) base height blank access door.

Two Desk Height Utility Access Locations:
A 42” deep handed Vertical Element with power and communication access location (Q) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

3- and 4-Circuit Vertical Desk Height Power Options: Back-to-Back/Centered Handed Verticals
- Specify power location (Z) desk height receptacles and data ports: back-to-back.
- Each Vertical Desk height Utility Access Location Includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
  - Workwall Vertical Element includes internal Power and Communication routing channels and power harness with modular connections.

Centered Vertical Element
Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (Z) Vertical Desk Height/Back-to-Back

Power Access Location:
- Desk Height

Two (Back-to-Back) Desk Height Utility Access Locations:
A 22" deep center Vertical Element with power and communication access location (Z) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.

Four (Back-to-Back) Desk Height Utility Access Locations:
A 42" deep center Vertical Element with power and communication access location (Z) includes (8) duplex receptacles and (4) data ports with blank covers; (4) base height blank access doors.
**Workwall: Horizontal and Vertical Elements**

**Vertical Element (for use with Reference Top or Reference Return)**

**Hardwire Base Height Power Option: One Side/Inside/Centered Handed Verticals**
- Specify power location (R) for base height receptacles and data port: one side/inside.
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
- Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

**Centered Vertical Element**

**Power Options/Location**

- **Power Option:**
  - (C) Hardwire
- **Power Location:**
  - (R) Vertical Base/One Side/Inside
- **Power Access Location:**
  - Base Height

**One Base Height Utility Access Location:**
A 22” deep handed Vertical Element with power and communication access (R) includes (2) duplex receptacles and (1) data port with blank cover.

**Two Base Height Utility Access Locations:**
A 42” deep handed Vertical Element with power and communication access (R) includes (4) duplex receptacles and (2) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

Hardwire Vertical Desk Height Power Option: One Side/Inside/Centered Handed Verticals
- Specify power location (D) desk height receptacles and data port: one side/inside.
- Each Vertical Desk Height Utility Access Location includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
- Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

Centered Vertical Element
Power Options/Location

Power Option:
- (C) Hardwire

Power Location:
- (D) Vertical Desk Height/One Side/Inside

Power Access Location:
- Desk Height

One Desk Height Utility Access Location:
A 22” deep handed Vertical Element with power and communication access (D) includes (2) duplex receptacles and (1) data port with blank cover; (1) base height blank access door.

Two Desk Height Utility Access Locations:
A 42” deep handed Vertical Element with power and communication access (D) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

Hardwire Base Height Power Option: Back-to-Back/Centered Handed Verticals
- Specify power location (K) for base height receptacles and data ports: back-to-back
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
- Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

![Diagram of Vertical Element](image1)

Centered Vertical Element
Power Options/Location

Power Option:
- (C) Hardwire

Power Location:
- (K) Vertical Base/Back-to-Back

Power Access Location:
- Base Height

Two (Back-to-Back) Base Height Utility Access Locations:
A 22" deep center Vertical Element with power and communication access location (K) includes (4) duplex receptacles and (2) data ports with blank covers.

Four (Back-to-Back) Base Height Utility Access Locations:
A 42" deep center Vertical Element with power and communication access location (K) includes (8) duplex receptacles and (4) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

**Hardwire Base Height Power Option: One Side/Outside/Centered Handed Verticals**
- Specify power location (J) for base height receptacles and data port: one side/outside.
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover for hardwire power applications.
- Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

**Centered Vertical Element**

**Power Options/Location**

Power Option:
- (C) Hardwire

Power Location:
- (J) Vertical Base/One Side/Outside

Power Access Location:
- Base Height

**One Base Height Utility Access Location:**
A 22” deep handed Vertical Element with power and communication access location (J) includes (2) duplex receptacles and (1) data port with blank cover.

**Two Base Height Utility Access Locations:**
A 42” deep handed Vertical Element with power and communication access location (J) includes (4) duplex receptacles and (2) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

Hardwire Vertical Desk Height Power Option: One Side/Outside/Centered Handed Verticals
- Specify power location (Q) desk height receptacles and data port: one side/outside
- Each Vertical Desk Height Utility Access Location Includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
  - Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

Centered Vertical Element
Power Options/Location

Power Option:
• (C) Hardwire

Power Location:
• (Q) Vertical Desk Height/One Side/Outside

Power Access Location:
• Desk Height

One Desk Height Utility Access Location:
A 22” deep handed Vertical Element with power and communication access location (Q) includes (2) duplex receptacles and (1) data port with blank cover; (1) base height blank access door.

Two Desk Height Utility Access Locations:
A 42” deep handed Vertical Element with power and communication access location (Q) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

Hardwire Desk Height Power Option: Back-to-Back/Centered Handed Verticals
• Specify power location (Z) desk height receptacles and data ports: back-to-back
• Each Vertical Desk Height Utility Access Location Includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover at Vertical Desk Height for hardwire power applications.
• Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

Centered Vertical Element Power Options/Location

Power Option:
• (C) Hardwire

Power Location:
• (Z) Vertical Desk Height/Back-to-Back

Power Access Location:
• Desk Height

Two (Back-to-Back) Desk Height Utility Access Locations:
A 22” deep center Vertical Element with power location (Z) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.

Four (Back-to-Back) Desk Height Utility Access Locations:
A 42” deep center Vertical Element with power location (Z) includes (8) duplex receptacles and (4) data ports with blank covers; (4) base height blank access doors.
Workwall: Horizontal and Vertical Elements

Portal

- Laminate or Wood surface options
- 3” thick
- Depths: 22” or 42”
- Widths: 48”, 60”, 72”, 84”, and 96”
- 92½” High, only
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire

A non-powered application does not include internal Power and Communication routing channel or power jumper.

A hardwire powered application includes internal Power and Communication routing channel. Does not include power jumper.

A 3- or 4-Circuit powered application includes internal Power and Communication routing channel and power jumper.

Tips

- Workwall Portal does not include structural beam or Stabilizer.
- Workwall Portal is for 92½” height applications.

Note

Field retrofitting to a powered application is not recommended.
Workwall: Horizontal and Vertical Elements

Portal Power Options

Non-Powered
• Specify power option (N) for a non-powered application.
• There are no internal Power and Communication routing channels, utility cutouts or power access for power option (N).
• Field retrofitting to a powered application is not recommended.

Power Option:
• N (None)

3- and 4-Circuit Power:
• The 3- and 4-Circuit power option includes internal Power and Communication channel and power jumper with modular connections.
• Jumper continues the power path through Horizontal Element to the Vertical Element or spans through a non-powered Vertical Element.

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit

Hardwire Power:
• Includes Power and Communication routing channels.
• No power jumpers included.
• Requires field supplied conduit and wire for internal cabling needs.

Power Option:
• (C) Hardwire
**Workwall: Horizontal and Vertical Elements**

**Vertical Element (for use with Portal)**
- Laminate or Wood surface options
- Includes 3” thick vertical
- Depths: 22” or 42”
- Height: 92½”, only
- Available Centered Left or Centered Right
- Backer Option
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire
- Power Locations:
  - Non-Powered
  - Vertical Base (one side/inside or outside)
  - Vertical Base (Back-to-Back)
  - Vertical Desk Height (one side/inside or outside)
  - Vertical Desk Height (Back-to-Back)

**Vertical Element Detail**

**Vertical Element Position:**
- Slots and access openings are located at the top of the Vertical Element. Access openings allow for Power and Communication routing. Slots attach the Portal to the adjacent Horizontal Element. The slot and access opening location determines the handedness.
- Insert pins on the face of the vertical accommodate component attachment. Insert Pins are one-sided on the centered left and centered right hand verticals; located on the inside only.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

Locations of Access Openings, Slots, and Insert Pins
Vertical Elements have dedicated application positions due to the access opening, slots, and insert pin locations.
- Access Openings: Located at the top of the Vertical Element. Allow for Power and Communication routing.
- Slots: Located at the top of the Vertical Element. Allow for attachment to Horizontal Element(s).
- Insert Pins: Located on the Vertical Element face; one side (inside) depending on the Vertical Element position. Allow for component attachment.

22” Deep: Single-Sided Vertical Element — Centered Right

22” Deep: Single-Sided Vertical Element — Centered Left

Note 42” Deep Vertical Element follows same logic.
Vertial Element (for use with Portal)

Insert Pin Locations for Mounting Components

- Vertical Elements have predetermined mounting locations on the inside of the Vertical Elements for component attachment.
- Insert pins are standard in Metallic Silver. Mounting locations accommodate:
  - Workwall Credenza Top
  - Workwall Floor Supported Shelf
  - Workwall Suspended Shelf
  - Vertical Wire Manager

**Note** Insert pins are located on the Vertical Element inside, only.

22” Deep: Single-Sided

Factory installed Insert Pins have a 0.61” diameter. Insert Pins are flush with vertical surface material.

42” Deep: Double-Sided

Bushings are field installed on the Insert Pins as needed for mounting components.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

Non-Powered:
• Specify power option (N) for a non-powered application; no receptacles or data ports.
• There are no internal Power and Communication routing channels in the Workwall Vertical Element for use with Portal; no utility cutouts or power access for power option (N).
• Field retrofitting to a powered application is not recommended.

Centered Vertical Elements
Power Options/Locations

Power Option:
• (N) None

Power Location:
• (N) None

Power Access Location:
• None

22" Deep: Single-Sided

Centered Right: Inside
Centered Left: Outside

42" Deep: Double-Sided

Centered Right: Inside
Centered Left: Outside
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

3- and 4-Circuit Base Height Power Options: One Side/Inside/Centered Handed Vertical
- Specify power location (R) for base height receptacles and data port: one side/inside.
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
- Workwall Vertical Element includes internal Power and Communication routing channels and power jumpers with modular connections.

Centered Vertical Element
Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (R) Vertical Base/One Side/Inside

Power Access Location:
- Base Height

One Base Height Utility Access Location:
A 22” deep handed Vertical Element with power location (R) includes (2) duplex receptacles and (1) data port with blank cover.

Two Base Height Utility Access Locations:
A 42” deep handed Vertical Element with power location (R) includes (4) duplex receptacles and (2) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

3- and 4-Circuit Desk-Height Power Options: One Side/Inside/Centered Handed Verticals
- Specify power location (D) desk height receptacles and data port: one side/inside.
- Each Vertical Desk Height Utility Access Location includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover at vertical desk height.
- Workwall Vertical Element includes internal Power and Communication routing channels and power jumpers with modular connections.

Centered Vertical Element
Power Options/Locations

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (D) Vertical Desk Height/One Side/Inside

Power Access Location:
- Desk Height

One Desk Height Utility Access Location:
A 22” deep handed Vertical Element with Power and Communication access location (D) includes (2) duplex receptacles and (1) data port with blank cover; (1) base height blank access door.

Two Desk Height Utility Access Locations:
A 42” deep handed Vertical Element with Power and Communication access location (D) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

3- and 4-Circuit Base Height Power Options: Back-to-Back/Centered Handed Verticals
- Specify power location (K) for base height receptacles and data ports: back-to-back
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
- Workwall Vertical Element includes internal Power and Communication routing channels and power jumpers with modular connections.

Centered Vertical Element
Power Options/Locations

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (K) Vertical Base/Back-to-Back

Power Access Location:
- Base Height

Two (Back-to-Back) Base Height Utility Access Locations:
A 22" deep center Vertical Element with power location (K) includes (4) duplex receptacles and (2) data ports with blank covers.

Four (Back-to-Back) Base Height Utility Access Locations:
A 42" deep center Vertical Element with power location (K) includes (8) duplex receptacles and (4) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

3- and 4-Circuit Base Height Power Options: One Side/Outside/Centered Handed Vertical
• Specify power location (J) for base height receptacles and data port: one side/outside
• Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
• Workwall Vertical Element includes internal Power and Communication routing channels and power jumpers with modular connections.

Centered Vertical Element
Power Options/Locations

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit

Power Location:
• (J) Vertical Base/One Side/Outside

Power Access Location:
• Base Height

One Base Height Utility Access Location:
A 22” deep handed Vertical Element with power location (J) includes (2) duplex receptacles and (1) data port with blank cover.

Two Base Height Utility Access Locations:
A 42” deep handed Vertical Element with power location (J) includes (4) duplex receptacles and (2) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

3- and 4-Circuit Vertical Desk Height Power Options: One Side/Outside/Centered Handed Vertical
- Specify power location (Q) desk height receptacles and data port: one side/outside
- Each Vertical Desk Height Utility Access Location Includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
- Workwall Vertical Element includes internal Power and Communication routing channels and power jumpers with modular connections.

Centered Vertical Element
Power Options/Locations

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (Q) Vertical Desk Height/One Side/Outside

Power Access Location:
- Desk Height

One Desk Height Utility Access Location:
A 22" deep handed Vertical Element with power location (Q) includes (2) duplex receptacles and (1) data port with blank cover; (1) base height blank access door.

Two Desk Height Utility Access Locations:
A 42" deep handed Vertical Element with power location (Q) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

3- and 4-Circuit Vertical Desk Height Power Options: Back-to-Back/Centered Handed Verticals
- Specify power location (Z) desk height receptacles and data ports: back-to-back
- Each Vertical Desk Height Utility Access Location Includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover at Vertical Desk Height for 3-Circuit and 4-Circuit power applications.
- Workwall Vertical Element includes internal Power and Communication routing channels and power jumpers with modular connections.

Centered Vertical Element
Power Options/Locations

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (Z) Vertical Desk Height/Back-to-Back

Power Access Location:
- Desk Height

Two (Back-to-Back) Desk Height Utility Access Locations:
A 22” deep center Vertical Element with power location (Z) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.

Four (Back-to-Back) Desk Height Utility Access Locations:
A 42” deep center Vertical Element with power location (Z) includes (8) duplex receptacles and (4) data ports with blank covers; (4) base height blank access doors.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

Hardwire Base Height Power Option: One Side/Inside/Centered Handed Verticals
• Specify power location (R) for base height receptacles and data port: one side/inside
• Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
• Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

Centered Vertical Element
Power Options/Locations

Power Option:
• (C) Hardwire

Power Location:
• (R) Vertical Base/One Side/Inside

Power Access Location:
• Base Height

One Base Height Utility Access Location:
A 22” deep handed Vertical Element with power location (R) includes (2) duplex receptacles and (1) data port with blank cover.

Two Base Height Utility Access Locations:
A 42” deep handed Vertical Element with power location (R) includes (4) duplex receptacles and (2) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

Hardwire Vertical Desk Height Power Option: One Side/Inside/Center Handed Vertical
• Specify power location (D) desk height receptacles and data port: one side/inside
• Each Vertical Desk Height Utility Access Location Includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles, data port with blank cover.
• Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

Centered Vertical Element
Power Options/Locations

Power Option:
• (C) Hardwire

Power Location:
• (D) Vertical Desk Height/One Side/Inside

Power Access Location:
• Desk Height

One Desk Height Utility Access Location:
A 22" deep handed Vertical Element with power location (D) includes (2) duplex receptacles and (1) data port with blank cover; (1) base height blank access door.

Two Desk Height Utility Access Locations:
A 42" deep handed Vertical Element with power location (D) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

Hardwire Base Height Power Option: Back-to-Back/Centered Handed Vertical
- Specify power location (K) for base height receptacles and data ports: back-to-back
- Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
  - Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

Centered Vertical Element
Power Options/Locations

Power Option:
- (C) Hardwire

Power Location:
- (K) Vertical Base/Back-to-Back

Power Access Location:
- Base Height, only

Two (Back-to-Back) Base Height Utility Access Locations:
A 22" deep center Vertical Element with power location (K) includes (4) duplex receptacles and (2) data ports with blank covers.

Four (Back-to-Back) Base Height Utility Access Locations:
A 42" deep center Vertical Element with power location (K) includes (8) duplex receptacles and (4) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

Hardwire Base Height Power Option: One Side/Outside/Centered Handed Vertical
• Specify power location (J) for base height receptacles and data port: one side/outside
• Each Base Height Utility Access Location includes:
  - Junction Box and Vertical Base Access Door; wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
• Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

Centered Vertical Element
Power Options/Locations

Power Option:
• (C) Hardwire

Power Location:
• (J) Vertical Base/One Side/Outside

Power Access Location:
• Base Height

One Base Height Utility Access Location:
A 22” deep handed Vertical Element with power location (J) includes (2) duplex receptacles and (1) data port with blank cover.

Two Base Height Utility Access Locations:
A 42” deep handed Vertical Element with power location (J) includes (4) duplex receptacles and (2) data ports with blank covers.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

Hardwire Vertical Desk Height Power Option: One Side/Outside/Centered Handed Vertical
- Specify power location (Q) desk height receptacles and data port: one side/outside
- Each Vertical Desk Height Utility Access Location Includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
  - Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

22" Deep: Single-Sided
- Centered Right: Inside
- Centered Left: Outside

42" Deep/Double-Sided
- Centered Right: Inside
- Centered Left: Outside

Centered Vertical Element

Power Options/Location

Power Option:
- (C) Hardwire

Power Location:
- (Q) Vertical Desk Height/One Side/Outside

Power Access Location:
- Desk Height

One Desk Height Utility Access Location:
A 22" deep handed Vertical Element with power location (Q) includes (2) duplex receptacles and (1) data port with blank cover; (1) base height blank access door.

Two Desk Height Utility Access Locations:
A 42" deep handed Vertical Element with power location (Q) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.
Workwall: Horizontal and Vertical Elements

Vertical Element (for use with Portal)

Hardwire Vertical Desk Height Power Option: Back-to-Back/Centered Handed Vertical
- Specify power location (Z) desk height receptacles and data ports: back-to-back.
- Each Vertical Desk Height Utility Access Location Includes:
  - Junction box and wall plate with 15 amp duplex Decora receptacles and data port with blank cover.
  - Workwall Vertical Element includes internal Power and Communication routing channels; requires field supplied conduit and wire.

Centered Vertical Element
Power Options/Locations

Power Option:
- (C) Hardwire

Power Location:
- (Z) Vertical Desk Height/Back-to-Back

Power Access Location:
- Desk Height

Two (Back-to-Back) Desk Height Utility Access Locations:
A 22" deep center Vertical Element with power location (Z) includes (4) duplex receptacles and (2) data ports with blank covers; (2) base height blank access doors.

Four (Back-to-Back) Desk Height Utility Access Locations:
A 42" deep center Vertical Element with power location (Z) includes (8) duplex receptacles and (4) data ports with blank covers; (4) base height blank access doors.
Workwall: Introduction to Application Planning Models

Workwall Shell
Workwall fundamental application planning guidelines are based on the following decisions:
• An individual Stand Alone or an In-Line application.
• A Single- or Double-Sided application.

An Individual Stand Alone Workwall Application
• The Workwall Shell is for use as a individual Stand Alone application.
• Workwall Shell consist of one Horizontal with Stabilizer and two Verticals.
• Specified as a single catalog number.
• Always a Stand Alone individual application.
• Not for use in an In-Line Multiple Workwall application.

22” Deep: Single-Sided Workwall Shell

42” Deep Double-Sided Workwall Shell

Tips
• If power and communication requirements are different in Verticals, order separate elements to make up a Stand Alone Workwall.
• All Workwall components must be separately specified.
• The Workwall Shell is available powered or non-powered.
Workwall: Introduction to Application Planning Models

Horizontal and Vertical Elements
An In-Line Workwall application may consist of all Horizontal Elements and the designated Vertical Elements; Vertical Element for use with Horizontal Element.

In-Line Workwall Application: Horizontal and Vertical Elements
- In-Line Workwall applications consist of more than one Horizontal Element with Stabilizer and the appropriate quantity and type of Vertical Elements.
- Horizontal Elements have a designated Vertical Element; Vertical Element for use with Workwall Horizontal Element.
- In-Line Workwall application is specified as multiple catalog numbers.
- Horizontal and Vertical Elements are for use in an In-Line application.
- All Vertical Elements must be the same height in an In-Line Workwall application.

22” Deep: Single-Sided Workwall

42” Deep: Double-Sided Workwall

Tips
- A Workwall Shell is not for use in an In-Line Workwall application.
- All Workwall components must be separately specified.
- Vertical Elements are available powered or non-powered.
Workwall: Introduction to Application Planning Models

Horizontal and Vertical Elements with Reference Top

In-Line Workwall Application: Horizontal and Vertical Elements with Reference Top
• An In-Line application with a Reference Top is always $44\frac{1}{2}$” high.
• A Reference Top or Reference Return provide an open area below the top; frequently used as stand up height transaction areas or touch down areas within an In-Line Workwall application.
• The Reference Top must have Horizontal and Vertical Elements on each side of it within the In-Line Workwall application.
• The Reference Top has a designated Vertical Element. This is not the Vertical Element used with a Horizontal Element, it is a Vertical Element for use with a Workwall Reference Top.
• In-Line Workwall application is specified as multiple catalog numbers.

22” Deep: Single-Sided Workwall

42” Deep Double-Sided Workwall

Tips
• A Workwall Shell is not for use in an In-Line Workwall application.
• All Workwall components must be separately specified.
• Vertical Elements are available powered or non-powered.

Notes
• 42” deep Horizontal Element is standard with a single seam in a $44\frac{1}{2}$” high application.
• 42” deep Reference Top is standard without seam.
Horizontal and Vertical Elements with Reference Return

In-Line Workwall Application: Horizontal and Vertical Elements with Reference Return

- An In-Line application with a Reference Return is always 44½" high.
- The Reference Return must be located at the end of an In-Line Workwall application adjacent to a Horizontal Element.
- A Reference Return is a handed product; includes one Horizontal and one Vertical end.
- One Side of the Reference Return has a designated Vertical Element. This is not the Vertical Element used with a Horizontal Element, it is a Vertical Element for use with a Workwall Reference Return.
- In-Line Workwall application is specified as multiple catalog numbers.

22” Deep: Single-Sided Workwall

42” Deep Double-Sided Workwall

Tips

- A Workwall Shell is not for use in an In-Line Workwall application.
- All Workwall components must be separately specified.
- Vertical Elements are available powered or non-powered.

Notes

- 42” deep Horizontal Element is standard with a single seam in a 44½” high application.
- 42” deep Reference Top is standard without seam.
Patterns

Workwall: Introduction to Application Planning Models

Horizontal and Vertical Elements with Portal
• An In-Line Workwall application may consist of Horizontal Elements and specialty Horizontals such as the Reference Top, Reference Return, or Portal.

In-Line Workwall Application: Horizontal and Vertical Elements with Portal
• The Portal provides an open walk-through within the In-Line Workwall application. It may also be used to delineate space or as an architectural marker to identify an area within a floor plate.
• An In-Line application with a Portal is always 92½” high.
• The Portal must have a Horizontal and Vertical Element on each side of it within the In-Line Workwall application.
• The Portal has a designated Vertical Element. This is not the Vertical Element used with a Horizontal Element, it is a Vertical Element for use with a Workwall Portal.
• In-Line Workwall application is specified as multiple catalog numbers.

22” Deep: Single-Sided Workwall

42” Deep Double-Sided Workwall

Tips
• A Workwall Shell is not for use in an In-Line Workwall application.
• All Workwall components must be separately specified.
• Vertical Elements are available powered or non-powered.

Notes
• 42” deep Horizontal Element is standard with a double seam in a 92½” high application.
• 42” deep Portal is standard without seam.
Workwall Application: Systems and Architectural Height

There are two height ranges for planning with Workwalls: Systems and Architectural. A number of interior component options are available to create a Workwall workstation or a storage application.

- **Systems Height**: 44½” and 60½” high
- **Architectural Height**: 76½” and 92½” high

**Systems Height**

**Workwall Shell/Single-Sided Workstation Applications**

**44½” High**

Two Storage Boxes

Rectangular Convergent Worksurface

Workwall Credenza Top

Workwall Support End

Patterns Series Mobile Pedestal

**60½” High**

Suspended Shelf

Suspended Shelf with Sliding Doors

Floor Supported Shelf with Sliding Door

Studio Table

**Workwall Shell/Single-Sided Storage Applications**

**44½” High**

Floor Supported Shelf with Sliding Doors

**60½” High**

Suspended Shelf (one shelf unit)
Workwall Application: Systems and Architectural Height

Architectural Height

Workwall Shell/Single-Sided Workstation Applications

76½" High

Suspended Shelf
Suspended Shelf with Sliding Doors
Floor Supported Shelf with Sliding Doors
Patterns Series Mobile Pedestal
Studio Table

92½" High

Rectangular Convergent Worksurface
Workwall Credenza Top
Worksurface Support End

Workwall Shell/Single-Sided Storage Applications

76½" High

Suspended Shelves with Sliding Doors (two shelf unit)
Floor Supported Shelf with Sliding Doors

92½" High

Suspended Shelf (three shelf unit)
Floor Supported Shelf
Workwall Application: Systems and Architectural Height

Systems Height

In-Line Workwall with Horizontal and Vertical Elements/Single-Sided Workstation Applications

44½" High

60½" High
Workwall Application: Systems and Architectural Height

Architectural Height

In-Line Workwall with Horizontal and Vertical Elements/Single-Sided Workstation Applications

76½" High

92½" High
Workwall Application: In-Line Workwall Application Guidelines

Horizontal and Vertical Elements
- Horizontal Elements and the designated verticals are available 22” deep for a single-sided application or 42” deep for a double-sided application.
- Design your In-Line Workwall with all Horizontal Elements or use an alternate horizontal such as a Reference Top, Reference Return, or Portal.
- In-Line Workwall applications with a Reference Top, Reference Return, or Portal must have one or more Horizontal and Vertical Elements.
- All Horizontals and Verticals must be the same height and depth in an In-Line Workwall application.
- All Horizontal must be used with the designated Vertical Elements:
  - Horizontal Elements have a designated Vertical Element.
  - Reference Top and Reference Return are for 44½” high applications and use the same designated Vertical Element.
  - 92½” high Portals also have a designated Vertical Element.
- Workwall Horizontal Element with Stabilizer and Vertical Elements are for use with the following components:
  - Credenza Top
  - Workwall Suspended Shelf
  - Workwall Floor Supported Shelf
  - Workwall or Suspended Shelf Backer
  - Sliding Door for Shelf
  - Workwall Tackboard
  - Task Light and Vertical Wire Manager

In-Line Workstation Workwall Application with Horizontal and Vertical Elements
- All components are separately specified in an In-Line Workwall application.
- All Horizontals and Verticals are separately specified in an In-Line Workwall application (Exception: One Vertical end is included with a Reference Return).
- Optional base or desk height power and communication access is available in Vertical Elements for use with Horizontal Elements.
- A Workwall Shell is not for use in an In-Line Workwall application.

22” Deep: Single-Sided

Notes
- The location of the Stabilizer on a 22” deep single-sided application prevents creating a double-sided application.
- The horizontal plane in an In-Line Workwall application may be all Horizontal Elements.
Reference Top and Vertical Elements

- Use a Reference Top in an In-Line Workwall application to design a stand-up height open work area.
- In-Line Workwall applications with a Reference Top must have at least two Horizontal Elements.
- A Reference Top is located in a mid-Workwall application; each side of a Reference Top must have an adjacent Horizontal Element.
- A Reference Top is for use in 44½" high applications.
- **All Horizontals and Verticals must be the same height and depth in an In-Line Workwall application.**
- Reference Tops and the designated Verticals are available 22” deep for a single-sided application or 42” deep for a double-sided application.
- All Horizontals must be used with the designated Vertical Elements:
  - Horizontal Elements have designated Vertical Elements.
  - Reference Tops have designated Vertical Elements.
- A Reference Top provides an open space beneath the horizontal to the floor.
- A Reference Top is not for use with components.
- All Horizontals and Verticals are separately specified in an In-Line Workwall application (Exception: One Vertical end is included with a Reference Return).
- Optional base height power and communication access is available in Vertical Elements for use with Reference Top.
- A Reference Top is available with an optional cutout for a separately specified Flip Top Unit for desk height power and communication access.
- A Workwall Shell is not for use in an In-Line Workwall application.

In-Line Workwall Application with Reference Top and Vertical Elements

*Workstation Workwall*

*Storage Workwall*

**Note** A Reference Top is always located between two Horizontal and Vertical Elements.
Workwall Application: In-Line Workwall Application Guidelines

Reference Return and Vertical Elements
- Use a Reference Return in an In-Line Workwall application to design a stand-up height open work area.
- In-Line Workwall applications with a Reference Return must have at least one Horizontal and Vertical Element.
- A Reference Return includes a Horizontal and one Vertical end; specified as a Left- or Right-Hand application.
- A Reference Return is located at the end of a Workwall application; the Reference Return must be located adjacent to a Horizontal and Vertical Element.
- A Reference Return is for use in 44½” high applications.
- **All Horizontals and Verticals must be the same height and depth in an In-Line Workwall application.**
- Reference Returns and the designated Verticals are available 22” deep for a single-sided application or 42” deep for a double-sided application.
- All Horizontals must be used with the designated Vertical Elements:
  - Horizontal Elements have designated Vertical Elements.
  - Reference Returns have designated Vertical Elements.
- A Reference Return provides an open space beneath the Horizontal to the floor.
- A Reference Return is not for use with components.
- All Horizontals and Verticals are separately specified in an In-Line Workwall application (Exception: one Vertical end is included with a Reference Return).
- Optional base height power and communication access is available in Vertical Elements for use with Reference Return.
- The Vertical end included with the Reference Return is non-powered and has no internal Power and Communication routing channels.
- A Reference Return is available with an optional cutout for a separately specified Flip Top Unit for desk height power and communication access.
- A Workwall Shell is not for use in an In-Line Workwall application.

In-Line Workwall Application with Reference Return and Vertical Element

**Workstation Workwall**

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two Storage Boxes</td>
<td></td>
</tr>
<tr>
<td>Worksurface Credenza Top</td>
<td></td>
</tr>
<tr>
<td>Vertical Element (</td>
<td>for use with Horizontal Elements</td>
</tr>
<tr>
<td>Rectangular</td>
<td>Convergent Worksurface</td>
</tr>
<tr>
<td>Vertical Element (</td>
<td>for use with Horizontal Elements</td>
</tr>
<tr>
<td>Worksurface Support End</td>
<td></td>
</tr>
</tbody>
</table>

**Storage Workwall**

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference Return</td>
<td>(includes Horizontal top and one handed Vertical)</td>
</tr>
<tr>
<td>44½” High Vertical Element</td>
<td>(for use with Reference Top/Reference Return)</td>
</tr>
<tr>
<td>Worksurface Support End</td>
<td></td>
</tr>
<tr>
<td>Horizontal Element</td>
<td></td>
</tr>
<tr>
<td>Vertical Element (</td>
<td>for use with Horizontal Elements</td>
</tr>
<tr>
<td>Vertical Element (</td>
<td>for use with Horizontal Elements</td>
</tr>
<tr>
<td>Floor Supported Shelf</td>
<td>(open)</td>
</tr>
<tr>
<td>44½” High Vertical Element</td>
<td>(for use with Reference Top/Reference Return)</td>
</tr>
</tbody>
</table>

**Tip** The Workwall credenza top is not recommended for use as a primary worksurface for ergonomic reasons.

**Note** A Reference Return is always located at the end of a Workwall application adjacent to Horizontal and Vertical Elements.
Workwall Application: In-Line Workwall Application Guidelines

Portal and Vertical Elements
- Use a Portal to provide an open walk-through in an In-Line Workwall application. The Portal may also be used to delineate space or as an architectural marker to identify an area within a floor plate.
- In-Line Workwall applications with a Portal must have at least two Horizontal and Vertical Elements.
- A Portal is located in a mid-Workwall application; each side of a Portal Top must have an adjacent Horizontal and Vertical Element.
- A Portal is for use in 92½" high applications, only.
- **All Horizontals and Verticals must be the same height and depth in an In-Line Workwall application.**
- Portals and the designated Verticals are available 22" deep for a single-sided application or 42" deep for a double-sided application.
- A 42" double-sided Portal does not have a seam in the center of the Horizontal. The adjacent Horizontal Elements have a double seam in the center of each Horizontal. Note: This aesthetic may be visible from a bird’s eye view.
- All Horizontals must be used with the designated Vertical Elements:
  - Horizontal Elements have designated Vertical Elements.
  - Portals have designated Vertical Elements.
- A Portal is not for use with Workwall components.
- All Horizontals and Verticals are separately specified in an In-Line Workwall application (Exception: One Vertical end is included with a Reference Return).
- Optional base and desk-height power and communication access is available in Vertical Elements for use with Portal.
- A Workwall Shell is not for use in an In-Line Workwall application.

In-Line Workwall Application with Portal and Vertical Elements

Workstation Workwall

![Diagram of In-Line Workwall Application with Portal and Vertical Elements]

**Note** A Portal is always located between two Horizontal and Vertical Elements.
Workwall Application: Specifying Vertical Elements

Understanding Handed Vertical Elements in a Horizontal Element Application

In-Line Workwall: Horizontal and Vertical Elements
The horizontal planes in these application are all Horizontal Elements. Horizontal Elements have a designated Vertical Element. In an In-Line Workwall application, all Horizontals and Verticals are separately specified.

22" Deep: Single-Sided Workwall
• Refer to the Horizontal Element location to determine the handedness.

Horizontal Elements with Stabilizers
Vertical Elements for use with Horizontal Elements

Note: The Workwall Shell is not applicable in this application.

• A Horizontal Element located in a mid-application requires center Vertical Elements.

• A Horizontal Element in an end of Workwall application requires a left- or right-hand Vertical Element.

Tip: On a 22" deep single-sided application the Workwall Stabilizer is located on the back of the application.

Note: These same guidelines apply to a 42" deep double-sided In-Line Workwall application. Because the Workwall Stabilizer is located in the center of a 42" deep application, either side can be the front of the application.
Workwall Application: Specifying Vertical Elements

Understanding Handed Vertical Elements in a Reference Top Application

In-Line Workwall: Reference Top, Horizontal, and Vertical Elements
The horizontal planes in these applications are Horizontal Elements and Reference Tops. Horizontals and Reference Tops each have a designated Vertical Element. In an In-Line Workwall application, all Horizontals and Verticals are separately specified.

Note The Workwall Shell is not applicable in this application.

Workwall Vertical Elements (for use with Reference Top):

22" Deep: Single-Sided Workwall
The Reference Top is always located in a mid-application between two Horizontal Elements and requires centered Verticals; a centered right and a centered left. Refer to each adjacent Horizontal Element as the focal point when determining handedness of the Reference Top Centered Vertical Element.

Tips
- These same guidelines apply for determining the vertical locations for a 42" Deep Double-Sided application. Because the Workwall Stabilizer is located in the center of a 42" deep application, either side can be the front of the application.
- On a 22" Deep Single-Sided application the Workwall Stabilizer is located on the back of the application.
Workwall Application: Specifying Vertical Elements

Understanding Handed Vertical Elements in a Reference Return Application

Reference Return
- The Reference Return includes a Horizontal and one Vertical end.
- Reference Returns are available for left- or right-hand applications.
- Separately specify a Reference Return Vertical Element for the side adjacent to the Horizontal Element.

Note: The Workwall Shell is not applicable in this application.

In-Line Workwall: Reference Return, Horizontal, and Vertical Elements
The horizontal planes in this application are a Horizontal Element and a Reference Return. Horizontals and Reference Returns each have a designated Vertical Element. In an In-Line Workwall application, all Horizontals and Verticals are separately specified.

22” Deep: Single-Sided Workwall

Workwall Vertical Elements:
(for use with Reference Top/Reference Return)
The Reference Return is always located at the end of an application and requires a centered right or a centered left Vertical Element. Refer to the adjacent Horizontal Element when determining handedness of the Reference Return Centered Vertical Element.

Workwall Vertical Elements:
(for use with Workwall Horizontal Elements)
A Horizontal Element in an end of Workwall application requires a left- or right-hand Vertical Element. Refer to the Horizontal Element location to determine the handedness.

Tips
- These same guidelines apply to a 42” Deep Double-Sided In-Line Workwall application. Because the Workwall Stabilizer is located in the center of a 42” deep application, either side can be the front of the application.
- On a 22” deep single-sided application the Workwall Stabilizer is located on the back of the application.
**Workwall Application: Specifying Vertical Elements**

**Understanding Handed Vertical Elements in a Portal Application**

**In-Line Workwall: Horizontal Elements, Portal, and Vertical Elements**

The horizontal planes in this application are Horizontal Elements and a Portal. Horizontal Elements and Portals each have a designated Vertical Element. In an In-Line Workwall application, all Horizontals and Verticals are separately specified.

**Horizontal Elements with Stabilizer**

**Vertical Elements for Use with Horizontal Elements**

**Note** The Workwall Shell is not applicable in this application.

**Portal**

**Vertical Elements for use with Portal**

**Tip** Portals cannot be used to end an In-Line application.
Workwall Application: Specifying Vertical Elements

Understanding Handed Vertical Elements in a Portal Application, continued

In-Line Workwall: Horizontal, Portal, and Vertical Elements

Workwall Vertical Elements: (for use with Portal)
- 22" Deep: Single-Sided Workwall
- A Portal is always located in a mid-application between two Horizontal Elements and requires centered Verticals; a centered right and a centered left. Refer to each adjacent Horizontal Element when determining handedness of the Portal Centered Vertical Element.

![Diagram of Portal and Vertical Elements](image)

Centered Left Vertical; 22" Deep (RQVA-9200-40_ _ _ _ND)
Centered Right Vertical; 22" Deep (RQVA-9200-40_ _ _ _NE)

Workwall Vertical Elements: (for use with Workwall Horizontal Elements)
- A Horizontal Element in an end of Workwall application requires a left- or right-hand Vertical Element. Refer to the Horizontal Element location to determine the handedness.

![Diagram of Workwall and Vertical Elements](image)

Left-Hand Vertical; 22" Deep (RQVA-9200-40_ _ _ _NL)
Right-Hand Vertical; 22" Deep (RQVA-9200-40_ _ _ _NR)

Tips
- These same guidelines apply to a 42" Deep Double-Sided In-Line Workwall application. Because the Workwall Stabilizer is located in the center of a 42" deep application, either side can be the front of the application.
- On a 22" deep single-sided application the Workwall Stabilizer is located on the back of the application.
Workwall Application: Specifying the Workwall Shell

Workwall Shell
Only an individual Stand-Alone Workwall application may be specified utilizing the Workwall Shell.

Workwall Shell
- Single catalog number
- The Workwall Shell includes the Horizontal with Stabilizer, and right- and left-hand Verticals.

Individual Stand-Alone Workwall Planning Model
- 22” Deep Single-Sided Individual Stand-Alone Workwall Applications

Product Specification:

22” Deep: Workwall Shell
- Single catalog number: RQUA—40—N
- One 22” Deep; Workwall Shell; includes Horizontal with Stabilizer and right- and left-hand Verticals.

42” Deep: Workwall Shell
- Single catalog number: RQUE—40—N
- One 42” Deep; Workwall Shell; includes Horizontal with Stabilizer and right- and left-hand Verticals.

Tip
The Workwall Shell is always used in an individual Stand-Alone Workwall application; not for use in an attached multiple In-Line Workwall application.
Horizontal and Vertical Elements

- An In-Line Workwall application is specified utilizing the Horizontal and Vertical Elements.
- An In-Line Workwall application may consist of all Horizontal Elements and the designated Vertical Elements; Vertical Element for use with Horizontal Element.
- All Horizontal and Vertical Elements are separately specified.

Horizontal and Vertical Elements

Horizontal Elements with Stabilizers

Vertical Elements (for use with Horizontal Elements)

In-Line Workwall Planning Model

22" Deep: Single-Sided In-Line Workwall Application
- Multiple catalog numbers

Workstation Workwall

Storage Workwall
Workwall Application: Specifying Horizontal and Vertical Elements

Horizontal and Vertical Elements: Product Specification, continued

22" Deep: Single-Sided In-Line Workwall Application

Multiple Catalog Numbers:

A: Two 22" Deep, Workwall Horizontal Elements with Stabilizer
   (RQHA-___-00-___N)

Workwall Vertical Elements:
(for use with Workwall Horizontal Elements)

B: One Left-Hand
   (RQVA-____-40-___NL)
C: One Center
   (RQVA-____-40-___NC)
D: One Right-Hand
   (RQVA-____-40-___NR)

42" Deep: Double-Sided In-Line Workwall Application

Multiple Catalog Numbers:

A: Two 42" Deep, Workwall Horizontal Elements with Stabilizer
   (RQHE-___-00-___N)

Workwall Vertical Elements
(for use with Workwall Horizontal Elements)

B: One Left-Hand
   (RQVE-____-40-___NL)
C: One Center
   (RQVE-____-40-___NC)
D: One Right-Hand
   (RQVE-____-40-___NR)
Reference Top, Horizontal, and Vertical Elements

- An In-Line Workwall application is specified utilizing Horizontal and Vertical Elements.
- An In-Line Workwall application may consist of all Horizontal Elements or an alternate Horizontal such as a Reference Top, Reference Return, or Portal. An In-Line Workwall application with a Reference Top must have at least two Horizontal and Vertical Elements. Also required are the designated Vertical Elements for each type of Horizontal.
- All Horizontal and Vertical Elements are separately specified.

Reference Top, Horizontal and Vertical Elements

In-Line Workwall Planning Model

- 22” Deep: Single-Sided
- In-Line Workwall application with Reference Top
- Multiple catalog numbers

Workstation Workwall

Storage Workwall
Workwall Application: Specifying Horizontal and Vertical Elements

Reference Top, Horizontal, and Vertical Elements, continued

22” Deep: Single-Sided In-Line Workwall Application with Reference Top

Multiple Catalog Numbers:

A: Two 22” Deep, Workwall Horizontal Element with Stabilizer
   (RQHA-44-00-N)

B: One 22” Deep, Workwall Reference Top
   (RQTA-00-N)

Workwall Vertical Elements:
(for use with Workwall Horizontal Elements)

C: One Left-Hand
   (RQVA-4400-40-NL)

D: One Right-Hand
   (RQVA-4400-40-NR)

E: One Centered Left
   (for use with Reference Top)
   (RQVA-4400-40-ND)

F: One Centered Right
   (RQVA-4400-40-NE)

42” Deep: Double-Sided In-Line Workwall Application with Reference Top

Storage Workwall: Reference Top 44 ½” High

Multiple Catalog Numbers:

A: Two 42” Deep, Workwall Horizontal Elements with Stabilizer
   (RQHE-44-00-N)

B: One 42” Deep, Workwall Reference Top
   (RQTE-00-N)

Workwall Vertical Elements:
(for use with Workwall Horizontal Elements)

C: One Left-Hand
   (RQVE-4400-40-NL)

D: One Right-Hand
   (RQVE-4400-40-NR)

E: One Centered Left
   (for use with Reference Top)
   (RQVE-4400-40-ND)

F: One Centered Right
   (RQVE-4400-40-NE)
Workwall Application: Specifying Horizontal and Vertical Elements

Reference Return, Horizontal, and Vertical Elements
- An In-Line Workwall application is specified utilizing Horizontal and Vertical Elements.
- An In-Line Workwall application may consist of all Horizontal Elements or use an alternate Horizontal such as a Reference Top, Reference Return, or Portal. An In-Line Workwall application with a Reference Return must have at least one Horizontal Element. Also required are the designated Vertical Elements for each type of Horizontal.
- All Horizontal and Vertical Elements are separately specified.

Reference Return, Horizontal and Vertical Elements

Tips
- The Reference Return includes Horizontal and one Vertical end.
- Reference Returns are available for left- or right-hand applications.

In-Line Workwall Planning Model
- 22" Deep: Single-Sided
- In-Line Workwall application with Reference Return
- Multiple catalog numbers

44½" High Workstation Workwall with Reference Return
44½" High Storage Workwall with Reference Return
Workwall Application: Specifying Horizontal and Vertical Elements

Reference Return, Horizontal, and Vertical Elements: Product Specification

22” Deep: Single-Sided In-Line Workwall Application with Reference Return

Multiple Catalog Numbers:

A: One 22” Deep, Workwall Horizontal Element with Stabilizer (RQHA-44__-00__-N)
B: One 22” Deep, Workwall Reference Return; Right-Hand (RQMA-44__-40_N__NR)

Workwall Vertical Elements:
(for use with Workwall Horizontal Elements)

C: One Left-Hand (RQVA-4400-40__-NL)
D: One Centered Right (for use with Reference Return) (RQVA-4400-40__-NE)

Note Reference Return Includes Horizontal and one handed Vertical; located at the end of the Workwall application.

42” Deep: Double-Sided In-Line Workwall Application with Reference Return

Multiple Catalog Numbers:

A: One 42” Deep, Workwall Horizontal Elements with Stabilizer (RQHE-44__-00__-N)
B: One 42” Deep, Workwall Reference Return; Right-Hand (RQME-44__-40_N__NR)

Workwall Vertical Elements:
(for use with Workwall Horizontal Elements)

C: One Left-Hand (RQVE-4400-40__-NL)
D: One Centered Right (for use with Reference Return) (RQVE-4400-40__-NE)

Note Reference Return Includes Horizontal and one handed Vertical; located at the end of the In-Line Workwall application.
Workwall Application: Specifying Horizontal and Vertical Elements

Portal, Horizontal, and Vertical Elements

- An In-Line Workwall application is specified utilizing Horizontal and Vertical Elements.
- An In-Line Workwall application may consist of all Horizontal Elements or use an alternate Horizontal such as a Reference Top, Reference Return, or Portal. An In-Line Workwall application with a Portal must have at least two Horizontal and Vertical Elements. Also required are the designated Vertical Elements for each type of Horizontal.
- All Horizontal and Vertical Elements are separately specified.

In-Line Workwall Planning Model

- 22" Deep: Single-Sided
- In-Line Workwall application with Portal
- Multiple catalog numbers

92½" High Workstation Workwall with Portal
92½" High Storage Workwall with Portal

Note: Portals are not for use at the end of an In-Line Workwall application.
Workwall Application: Specifying Horizontal and Vertical Elements

Portal, Horizontal, and Vertical Elements: Product Specification

22" Deep: Single-Sided In-Line Workwall Application with Portal

Multiple Catalog Numbers:

A: Two 22" Deep, Workwall Horizontal Element; with Stabilizer
   (RQHA-92-0000 N)
B: One 22" Deep, Workwall Portal
   (RQPA-0000 N NN)

Workwall Vertical Elements:
   (for use with Workwall Horizontal Elements)

C: One Left-Hand
   (RQVA-9200-40 NL)
D: One Right-Hand
   (RQVA-9200-40 NR)
E: One Centered Left
   (for use with Portal)
   (RQVA-9200-40 ND)
F: One Centered Right
   (for use with Portal)
   (RQVA-9200-40 NE)

42" Deep: Double-Sided In-Line Workwall Application with Portal

Multiple Catalog Numbers:

A: Two 42" Deep, Workwall Horizontal Element with Stabilizer
   (RQHE-92-0000 N)
B: One 42" Deep, Workwall Portal
   (RQPE-0000 N NN)

Workwall Vertical Elements:
   (for use with Workwall Horizontal Elements)

C: One Left-Hand
   (RQVE-9200-40 NL)
D: One Right-Hand
   (RQVE-9200-40 NR)
E: One Centered Left
   (for use with Portal)
   (RQVE-9200-40 ND)
F: One Centered Right
   (for use with Portal)
   (RQVE-9200-40 NE)
Workwall Application: Recap of Application Planning Models

A Workwall is designed using one of two planning models.

1. For an individual Stand-Alone Workwall the planning model begins with a Workwall Shell. The Workwall Shell is offered as a single catalog number for the ease of specification for Stand-Alone Workwall applications with a 78”, 102”, or 126” wide footprint.

2. For an In-Line Workwall, the planning model begins with Horizontal and Vertical Elements. A Horizontal may be a Horizontal Element, Reference Top, Reference Return, or a Portal. Each of these Horizontals have a designated Vertical Element. All Horizontal and Vertical Elements are separately specified.

**The Do’s**

**Workwall Shell**
- For use in an Individual Stand-Alone Workwall Application.

**Workwall Horizontal and Vertical Elements**
- For use in an In-Line Workwall application.

**The Don’ts**

- Workwall Shells are not for use for In-Line Workwall applications. This application creates an undesirable aesthetic due to side-by-side Verticals.

- Workwall Shells are not for use with Reference Top, Reference Return, or Portal

- An In-Line Workwall application must be specified using the individual Workwall Horizontal and Vertical Elements.

- Separately specified Workwall Horizontal and Vertical Elements are for use in a Reference Top, Reference Return, or Portal application.
Workwall Application: Product Relationships/Do’s and Don’ts

The Do’s

- Use a Workwall Shell as an individual Stand-Alone Workwall application.
- The Workwall Shell is comprised of one Horizontal with Stabilizer and left- and right-hand Verticals.
- Individual Horizontal and Vertical Elements with multiple catalog numbers is an alternate specification method for an individual Stand-Alone Workwall.

- Use a 22" Deep Workwall Shell to Design a Single-Sided Application.
- Use a 42" Deep Workwall Shell to Design a Double-Sided Application.

The Don’ts

- Do not use a 22" deep Workwall Shell to design a double-sided application.
  - The Workwall Shell Stabilizer on a 22" deep application is recessed one inch inside the Vertical End. Location of the Stabilizer prohibits mounting components 25½" or lower from the back of this application.
Workwall Application: Product Relationships/Do’s and Don’ts

**The Do’s**
- Use individual Horizontal and Vertical Elements for an In-Line Workwall application.

**The Don’ts**
- Do not use any of the Workwall components beneath a Reference Top, Reference Return, or Portal.
- The designated Vertical Elements for the Reference Top, Reference Return and Portal do not have insert pins for mounting Workwall components beneath these Horizontals.
Workwall Application: Product Relationships/Do’s and Don’ts

The Do’s
- Use a 22” deep Horizontal and Vertical Elements to design a single-sided In-Line Workwall application.

The Don’ts
- Do not use a 22” deep Horizontal and Vertical Elements to design a double-sided In-Line Workwall application.
  - The Horizontal Element Stabilizer on a 22” deep application is recessed one inch inside the Vertical Element and prohibits mounting Workwall components 25½” or lower from the back of this application.
Workwall Application: Power Management

Patterns Power Overview
Patterns Workwall applications may be Non-Powered, 3-Circuit, 4-Circuit, or Hardwire.

Non-Powered option consists of the following:
• No power or communication capabilities. There are no internal Power and Communication routing channels; no utility cutouts or power access openings. Field retrofitting to a powered application is not recommended.

3-Circuit power system consists of the following:
• Three Hots
• Three Neutrals
• One Ground Wire
• One Isolated Ground

4-Circuit power system consists of the following:
• Four Hots
• Two Neutrals
• One Ground Wire
• One Isolated Ground

Hardwire power system consists of the following:
• Field supplied wire or conduit

All power solutions include junction box, 15 amp Decora Duplex receptacles, and Decora wall plate.

Patterns Workwall power applications are for use with 120 volt, 60 hertz power sources.
• In a powered In-Line Workwall application choose either a 3- or 4-Circuit power solution; it is not recommended to use both 3- and 4-Circuit power systems in the same In-Line Workwall application.
• The 3-Circuit power system will integrate with Compose panel system.
• Each powered stand-alone Workwall Shell requires a separately specified power infeed.
Workwall Application: Power Management

Patterns Power Overview

- Power components include harness, jumpers, connectors, junction box, and receptacles. Also included is a communication port with a blank cover.
- When power option is specified, Workwall Shells, Horizontal Elements, and Vertical Elements include power components for 3- and 4-Circuit applications. Separately specify power infeeds.
- The modular electrical harness for Vertical Elements in an In-Line 3- or 4-Circuit powered Workwall application is factory installed.
- The modular electrical jumpers for Horizontal Elements in an In-Line 3- or 4-Circuit powered Workwall application require field installation.
- A hardwire power application requires field supplied conduit and wire to distribute internal power which functions like the modular harness and jumpers in a 3- or 4-Circuit power application; junction box, receptacles and a blank data cover is included.
- Decora communication access covers must be field supplied.
- Vertical base or desk height utility access locations include two Decora style duplex receptacles.

- **Receptacle circuit designation to be field wired by an electrician; factory wired to circuit one.**

  In large In-Line Workwall applications the receptacles must be rewired by an electrician to another circuit for proper loading of each circuit.
- Verticals in a Workwall Shell or Vertical Elements in an In-Line Workwall application may have either base or desk height power and communication access; both access locations are not available in the same Vertical unless field retrofitted.
- Power applications should be reviewed by local authorities prior to ordering.

Vertical harness, horizontal harness, and circuit distributor included with 3- and 4-Circuit power applications.
Workwall Application: Power Management

Patterns power components are designed to address three functions:
1. **In:** Power distribution from building to the Workwall
2. **Through:** Horizontal and Vertical Power Distribution
3. **Out:** Receptacle Access

The graphic below depicts a desk height 3- or 4-Circuit Workwall power application. Use this graphic to become familiar with some of the Workwall electrical components, internal channels, and terminology.

**Notes**
- Junction Box assembly includes: Communication Bracket, Mud Ring, Decora Receptacles, and Decora Communication Plate.
- Base and desk height power access are combined in the Vertical—requiring field retrofitting. Specify the Vertical with 3- or 4-Circuit desk height power and separately specify base height power components for field retrofitting. Components include wall plate, vertical access door, and receptacles.
Workwall Application: Power Management

Patterns power components are designed to address three functions:

1. In: Base Feeds

There are two types of base feed modules for distributing power from the building to your Workwall application: Standard Base Feed or Quick Connect Base Feed.

Standard Base Feed module supplies building power from the floor, wall or column. Specify the base feed module with the corresponding number of circuits (3- or 4-Circuits) as specified in the Workwall application or a hardwired solution.

Base Feed module available options:
- Standard Base Feed for 3- and 4-Circuit includes conduit connection.
- Standard Base Feed for Hardwire connection with field supplied wires.
- Quick Connection for 3- and 4-Circuit and Power Base AI system beneath the raised floor.

The Standard Base Feed for 3- and 4-Circuit applications include a 72" long 1/2" inch diameter Liquid Tight conduit, 8-Wire, and conduit fittings for connection to the junction box at base of the Vertical. The conduit enters the Vertical through the glide sleeve cable access to the base height junction box for both desk height and base height power applications. There is an exposed 4 foot section of conduit which extends from the glide sleeve. An optional base feed cover is available for this condition, if desired. Base feed attachment hardware is field supplied.

The Standard Base Feed for Hardwire application includes 72" long 1/2" diameter liquid tight conduit. Wires to be field supplied.

Desk Height Power

Base Height Power

Internal Glide Sleeve

Electrical Components
Standard Base Feeds

Base Feed Cover
The two-piece Base Feed Cover is an option available for aesthetic purposes. It covers the exposed base feed conduit and communication cables when the building power supply is within the floor. The base feed cover is an applicable option for the Standard base feed Module in 3-Circuit, 4-Circuit and hardwire power applications.
- 72" long x 4" wide x 1 1/4" high aluminum cover may be field cut to length as needed.
- Standard in Metallic Champagne.
Workwall Application: Power Management

1. In: Base Feeds

Power Base Al Modular Base Feed is for use with raised floors equipped with Power Base Al modular power. The Power Base Al feed for 3- and 4-Circuit applications includes a flexible metal conduit with modular connector and conduit fitting for connection to the junction box at base of the Vertical. The conduit enters the Vertical Element at the base height junction box for both desk height and base height power applications and exits from under the glide sleeve of the Vertical Element.

Electrical Components:
Power Base Al feed for use with Patterns.

Internal Glide Sleeve Detail

Verticals in a Workwall Shell and the Vertical Elements in an In-Line Workwall application have the identical internal glide sleeve detail.

The sleeve telescopes up into the Vertical and provides access to the leveling glides. Two leveling glides are provided with each Vertical Element and provide 1½" adjustment range.

The internal sleeve has break-away sections for field modification. Removing sections allow for routing power and communication from the building to the Vertical Element internal channel.

Critical dimensions for base feed module application:
- Cables may be routed directly through the bottom of the Vertical Element.
- The access opening is 3.75" x 1.75".

22" Deep Top View:

42" Deep Top View:

User/Front Side
Workwall Application: Power Management

1. In: Top Feeds

Top Feed modules supply power from the space above the ceiling. The Top Feed for 3- and 4-Circuit applications include electrical harness, junction box, ceiling bezel plates, top feed pole, Vertical trim and hardware. The conduit enters the Vertical Element at the top and is routed through the internal channel to the modular power connector at the top of Vertical and then routes to base or desk height junction box. Top feed houses power and communication cables.

Top Feed Assembly

Top feed electrical harness is included with 3- or 4-Circuit power options.

In a hardwire application the conduit and wire must be field supplied.

Two-piece pole is standard in Metallic trim colors.

Installed pole depth is 4\(\frac{1}{4}\)" wide x 2" deep.

The pole length for 3-Circuit, 4-Circuit and hardwire applications are dependent upon the Workwall application height. The harness length for 3- and 4-Circuit power is also dependent on the height of the application. The other critical dimension is the ceiling height. Top feeds are available for 10’ and 12’ ceiling heights. To specify a top feed refer to the Price List application chart.

Top Feed installation requires field modification of the Vertical and Vertical trim. Field drill hole in top of the Vertical top trim and cut a notch in Vertical trim.

Desk Height Power  

Base Height Power
Workwall Application: Power Management

1. In: Top Feed

The top feed conduit is routed through the internal Vertical channel and point of entry in the Vertical is a set location. The product application must work with the power source location and the ceiling architecture to align with the Workwall Vertical point of entry.
• Vertical top trim to be field modified for top feed module application.

Dimensions for Top Feed Module Application:

22” Deep: Single-Sided Workwall

42” Deep: Double-Sided Workwall
Workwall Application: Power Management

Providing Power to Patterns Workwalls with Compose Panels

There are two methods for distributing power to Patterns Workwalls combined with Compose Panels: Architectural Power Distribution and Systems Furniture Power Distribution. Each method provides comparable performance and must be powered with the correct electrical components to maintain the UL Listing of the products and to be compliant with the National Electrical Code (NEC).

For Architectural Power Distribution (UL 183 Listing), flexible connectors with metal conduit must be used to connect the power distribution assemblies of the panel when power is fed into Compose Panels and routed to Patterns.

For Systems Furniture Power Distribution (UL 1286 Listing), flexible connectors with plastic jacket or metal conduit may be used to connect the power distribution assemblies of the panel when power is fed into Patterns and routed to Compose panels.

Architectural Power Distribution (UL 183 Listing)

Metal Conduit

Systems Furniture Power Distribution (UL 1286 Listing)

Flex Connector with Plastic Jacket
Workwall Application: Power Management

Architectural Power Distribution (UL 183 Listing)

Compose to Patterns Workwalls
To feed power from Compose to Patterns, specify Compose panels with metal conduit connectors.

- Specify Compose panels with "8" for the power option to get a powered panel with a 8.5" conduit panel-to-panel connector.
- Specify "Q" for the power option for New York City applications.
- Specify 8.5" conduit connector VZEJ-0R0P for panel-to-panel (included with powered panel).
- Specify 12" conduit connector VZEJ-0R0S to connect across a 3- or 4-Way.
- Specify 76" conduit connector VZEJ-0B0P for beltline panel-to-panel connection.

Tip 34" high Compose panels do not have Beltline power access, therefore cannot be powered to Patterns.

Note Refer to Compose Price List for specification.
**Workwall Application: Power Management**

**Systems Furniture Power Distribution (UL 1286 Listing)**

**Patterns Workwall to Compose**

To feed power from Patterns to Compose, specify Compose panels with standard flex connectors.

- Specify Compose panels with "3" for the power option to get a powered panel with a 13.25" plastic jacket panel-to-panel connector.
- Specify "X" for the power option for New York City applications.
- Specify 13.25" flex connector VZEF-0R0P for panel-to-panel (included with powered panel).
- Specify 15.5" flex connector VZEF-0R0S to connect across a 3-or 4-Way.
- Specify 12.5" flex connector VZEF-0B0P for beltline panel-to-panel connection.
- Specify 14.5" flex connector VZEF-0B0Q for beltline corner span connection.

**Tip**

34" high Compose panels do not have Beltline power access, therefore cannot be powered from Patterns.

**Note**

Refer to Compose Price List for specification.
Workwall Application: Power Management

2. Through: Verticals

Power is routed through a Workwall Vertical and Horizontal. Refer to the previous information within the Product Details Section regarding power specification and application details for the Workwall Shell or for the Horizontal and Vertical Elements for use in an In-Line Workwall application.

Verticals in a Workwall Shell and Vertical Elements in an In-Line Workwall

- Power and communication is accessible in a powered Vertical. Non-powered Verticals do not have internal channels and retrofitting to a powered application is not recommended.
- 3- and 4-Circuit application includes an internal channel and power jumper with modular connections.
- Specify the Workwall Shell power option and the power infeed module to reflect the same power application; 3- or 4-Circuits, or a hardwire solution.
- Specify all of the Vertical and Horizontal Elements in an In-Line Workwall application and the power infeed to reflect the same power application.

Power Option:

- (3) 3-Circuit
- (4) 4-Circuit

22” Deep: Single-Sided

Power Harnesses Included with 3- and 4-Circuit Applications

Base Height Power

42” Deep: Double-Sided

Power Harnesses Included with 3- and 4-Circuit Applications

Base Height Power

Desk Height Power

Notes

- Refer to the graphics for location of internal channel.
- Power Option: (C) Hardwire; includes an internal channel. Conduit and wire to be field supplied.
Workwall Application: Power Management

2. Through: Verticals

Verticals in a Workwall Shell
The power access and communication location on a powered Workwall Shell must be the same in both Verticals.
• Vertical power harnesses included with 3- and 4-Circuit applications.
• Both Verticals in a Workwall Shell will have the same power capabilities: 3- or 4-Circuit, hardwire, or non-powered.
• The Workwall Shell Verticals may have either base height or desk height power and communication access; both access locations are not available factory installed in the same Vertical. Desk height power can be field retrofitted to base height power application.

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit

Base Height or Desk Height Power and Communication
• The Workwall Shell Verticals may have base height or desk height utility access on the inside.

Vertical Base Height and Power and Communication Location
Vertical Desk Height Power and Communication Location

Notes
• Refer to the graphics for location of internal channel. Power harness is not included in a hardwire application.
• Power Option: (C) Hardwire; includes an internal channel. Conduit and wire to be field supplied.
Workwall Application: Power Management

2. Through: Vertical Elements

Vertical Elements in an In-Line Workwall
- The power access location on a powered Vertical Element is dependent upon the type of Vertical. Not all Verticals offer the same power and communication capabilities. Refer to the previous information shown in this section regarding specifics on power and communication access location and capabilities within Vertical type.

Vertical Element types include:
- Vertical Element for use with Horizontal Element
- Vertical Element for use with Reference Top or Reference Return
- Vertical Element for use with Portal

A Vertical Element may have either base height or desk height power and communication access; both access locations are not available factory installed in the same Vertical. Desk height power can be field retrofitted to base height power application.

Vertical Element for use with Horizontal Element
- Vertical power harness included with 3- and 4-Circuit applications.

Base Height or Desk Height Power and Communication
- A Handed Vertical Element may have base height or desk height utility access on the inside.
- A Centered Vertical Element may have base height or desk height utility access; back-to-back.

Notes
- Refer to the graphics for location of internal channel. Power harness not included in a hardwire application.
- Power Option: (C) Hardwire; includes an internal channel. Conduit and wire to be field supplied.
Workwall Application: Power Management

2. Through: Vertical Elements

Vertical Element for Use with Reference Top or Reference Return
Vertical power harness(es) included with 3- and 4-Circuit applications.

A Vertical Element may have either base height or desk height power and communication access; both access locations are not available factory installed in the same Vertical. Desk height power can be field retrofitted to base height power application.

Base Height or Desk Height Power and Communication
• The Centered Vertical Element may have base height or desk height utility access on one side; inside or outside.
• The Centered Vertical Element may have base height or desk height utility access; back-to-back.

Vertical Base Height Power and Communication Location
Vertical Desk Height Power and Communication Location

Notes
• Refer to the graphics for location of internal channel. Power harness not included in a hardwire application.
• Power Option: (C) Hardwire; includes an internal channel. Conduit power jumper to be field supplied.
Workwall Application: Power Management

2. Through: Vertical Elements

Vertical Element for use with Portal
- Vertical power harness(es) included with 3- and 4-Circuit applications.

A Vertical Element may have either base height or desk height power and communication access; both access locations are not available factory installed in the same Vertical. Desk height power can be field retrofitted to base height power application.

Base Height or Desk Height Power and Communication
- The Centered Vertical Element may have base height or desk height utility access on one side; inside or outside.
- The Centered Vertical Element may have base height or desk height utility access; back-to-back.

Vertical Base Height Power and Communication Location

Vertical Desk Height Power and Communication Location

Notes
- Refer to the graphics for location of internal channel. Power harness not included in a hardwire application.
- Power Option: (C) Hardwire; includes an internal channel. Conduit and wire to be field supplied.
Workwall Application: Power Management

2. Through: Horizontals

Horizontal in Workwall Shell and Horizontal Elements in an In-Line Workwall
• Power is not accessible in a Horizontal and retrofitting to a powered application is not recommended.
• Non-powered Horizontals do not have internal channels.
• 3- and 4-Circuit application includes an internal Power and Communication channel and power jumper with modular connections.
• Specify the Workwall Shell power option and the power infeed module to reflect the same power application; 3- or 4-Circuits, or a hardwire solution.
• Specify all of the Vertical and Horizontal Elements in an In-Line Workwall application and the power infeed to reflect the same power application.

22” Deep: Single-Sided

Power Harnesses Included with 3- and 4-Circuit Applications

Base Height Power

Desk Height Power

42” Deep: Double-Sided

Power Harnesses Included with 3- and 4-Circuit Applications

Base Height Power

Desk Height Power

Notes
• Refer to the graphics for location of internal channel. Power harness not included in a hardwire application.
• Power Option: (C) Hardwire; includes channel. Conduit and wire to be field supplied.
Workwall Application: Power Management

2. Through: Horizontal Elements

Reference Top and Reference Return in an In-Line Workwall
- A Flip Top Unit cutout in the Reference Top and Reference Return is available as an option for 3- or 4-Circuit or hardwire power applications. The Flip Top Unit cutout allows for desk height power and communication access in the top and requires a separately specified Flip Top Unit. The factory Flip Top Unit cutout is in a predetermined location.

Reference Top with Flip Top Unit Cutout Option

Reference Return with Flip Top Unit Cutout Option

22” Deep: Single-Sided

42” Deep: Double-Sided

Tip
- Refer to Out: Receptacle and Communication Access section for information regarding the Flip Top Unit.

Notes
- Refer to the graphics for location of internal channel. Power harness not included in a hardwire application.
- Power Option: (C) Hardwire; includes an internal channel. Conduit power jumper to be field supplied.
Workwall Application: Power Management

2. Through: Horizontal Elements

Reference Top without Flip Top Unit Cutout in an In-Line Workwall
- Non-powered Reference Tops do not have internal channels and retrofitting to a powered application is not recommended.
- 3- and 4-Circuit application includes an internal channel and power jumper with modular connections.
- Specify all of the Vertical and Horizontal Elements in an In-Line Workwall application to reflect the same power application: 3-Circuit, 4-Circuit, or a hardwire solution. Specification of the power infeed module should also reflect the same Workwall power application.

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (N) None (for no cutout in top)

22" Deep: Single-Sided

42" Deep: Double-Sided

Notes
- Refer to the graphics for location of internal channel. Power harness not included in a hardwire application.
- Power Option: (C) Hardwire; includes an internal channel. Conduit power jumper to be field supplied.
Workwall Application: Power Management

2. Through: Horizontal Elements

Reference Top with Flip Top Unit Cutout in an In-Line Workwall

• Reference Tops are available with a Flip Top Unit cutout in the top for desk height power and communication access. The factory installed cutout has a standard location and a separately specified Flip Top Unit is required. The 3- or 4-Circuit power option includes internal channel and power jumpers with modular connections.
• Specify all of the Vertical and Horizontal Elements in an In-Line Workwall application to reflect the same power application: 3-Circuit, 4-Circuit, or a hardwire solution. Specification of the power infeed module should also reflect the same Workwall power application.

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit

Power Location:
• (H) One Flip Top Cutout

22” Deep: Single-Sided

The application shown provides desk height power in the Reference Top through the Flip Top Unit. The Verticals in this application are available with base or desk height power and communication access.

42” Deep: Double-Sided

The application shown provides desk height power in the Reference Top through the Flip Top Unit. The Verticals in this application are available with base or desk height power and communication access.

Tip
Refer to Out: Receptacle and Communication Access section for information regarding the Flip Top Unit.

Notes
• Refer to the graphics for location of internal channel. Power harness not included in a hardwire application.
• Power Option: (C) Hardwire; includes an internal channel and cutout in top. Conduit power jumper to be field supplied.
Workwall Application: Power Management

2. Through: Horizontal Elements

Reference Return with Flip Top Unit Cutout in an In-Line Workwall

- Reference Returns are available with a cutout in the top for desk height power and communication access. The factory installed cutout has a standard location and a separately specified Flip Top Unit is required. The 3- or 4-Circuit power option includes internal channel and power jumper(s) with modular connections.
- Specify all of the Vertical and Horizontal Elements in an In-Line Workwall application to reflect the same power application: 3-Circuit, 4-Circuit, or a hardwire solution. Specification of the power infeed module should also reflect the same Workwall power application.

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (H) One Flip Top Unit Cutout

22” Deep: Single-Sided

42” Deep: Double-Sided

Notes
- Refer to the graphics for location of internal channel. Power harness not included in a hardwire application.
- Power Option: (C) Hardwire); includes an internal channel and cutout in top. Conduit power jumper to be field supplied.
Workwall Application: Power Management

2. Through: Horizontal Elements

Portal in an In-Line Workwall
• Non-powered Portals do not have internal channels and retrofitting to a powered application is not recommended.
• 3- and 4-Circuit application includes an internal Power and Communication channel and power jumper with modular connections.
• Specify all of the Vertical and Horizontal Elements in an In-Line Workwall application to reflect the same power application: 3-Circuit, or 4-Circuit, or a hardwire solution. Specification of the power infeed module should also reflect the same Workwall power application.

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit

Notes
• Refer to the graphics for location of internal channel. Power harness not included in a hardwire application.
• Power Option: (C) Hardwire; includes an internal channel. Conduit power jumper to be field supplied.
Workwall Application: Power Management

3. Out: Verticals

The base and desk height power access is available in:
• Vertical Element (for use with Horizontal Element)
• Vertical Element (for use with Reference Top, Reference Return, or Portal)

Power Receptacle and Communication Access: Base Height

Receptacle and Communication Access in an In-Line Workwall Application
• 3- and 4-Circuit applications include the receptacle and communication outlets for either Vertical base or Vertical desk height power applications.

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit

Each Base Height Utility Access Location includes:
• Junction Box and Vertical Base Access Door; wall plate with (2) 15 amp duplex Decora receptacles and (1) Decora communication port with blank cover for 3- and 4-Circuit power applications.

Notes
• 3- and 4-Circuit power options shipped assembled in Vertical and factory wired to Circuit 1.
• Power Option: (C) Hardwire; includes the power assembly. Requires field installation into the Vertical.
Workwall Application: Power Management

3. Out: Verticals

The base and desk height power access is available in:
• Vertical Element (for use with Horizontal Element)
• Vertical Element (for use with Reference Top, Reference Return, or Portal)

Power Receptacle and Communication Access: Desk Height
• Receptacle and communication access in an In-Line Workwall application.
• 3- and 4-Circuit applications include the receptacle and communication outlets for either Vertical base or Vertical desk height power applications.

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit

Each Vertical Desk Height Utility Access Location Includes:
• Junction box and wall plate with (2) 15 amp duplex Decora receptacles, (1) Decora communication port with blank cover at Vertical Desk Height for 3-Circuit and 4-Circuit power applications.

Notes
• 3- and 4-Circuit power options shipped assembled in Vertical and factory wired to Circuit 1.
• Power Option: (C) Hardwire; includes the power assembly. Requires field installation into the Vertical.
Workwall: Power Management

3. Out: Flip Top Unit for Reference Top and Reference Return — Desk Height Power

The Flip Top Unit spring release cover offers two positions: closed or fully open.

When closed, the Flip Top bezel is proud to the top.

When open, the Flip Top Unit projects 1" above the top (facing the user).

Cutout Dimensions: 11" x 4"
• Cutout accepts Flip Top Units with (6) Utility Access Ports.

Flip Top Unit Options

3- or 4-Circuit Option
(requires circuit number specification)

Hardwire Option

In-Line Workwall

Desk Height Power and Communication Access: 3- or -4 Circuit Application
• To access desk height power and communication through a separately specified Flip Top Unit the Reference Top or Reference Return is specified with Flip Top Location (H). This provides one factory installed cutout per top for the field installed Flip Top Unit. Specify power option: (3) 3-Circuit or (4) 4-Circuit.
• The 3- or 4-Circuit Flip Top Unit includes a modular power jumper with a power connector for routing power.
• This application requires separately specified Flip Top Unit and power Infeed module.
• The Flip Top Unit is located 6" from the back edge and is horizontally centered within a Reference Top or Reference Return.

Separately specified Flip Top Unit provides Desk Height Power.

Notes
• The Hardwire Flip Top Unit does not include a modular connector; requires an electrician for installation. Specify the Hardwire power option (-C) and power location option (-H) for a factory installed cutout in the Reference Top or Reference Return.
• For use with 120 volt 60 hertz power source only.
Workwall: Power Management

3. Flip Top Units
The Flip Top Unit includes multiple data jack adapters to accommodate most field supplied data jacks. Also included are blank data covers to be used if no data access is needed. Data jacks are field supplied.

- Three 15 amp rated simplex power receptacles
- Three data information access ports

Manufacturer’s List of Field Supplied Data Jacks

<table>
<thead>
<tr>
<th>Systimax/CommScope</th>
<th>Tyco SL and 110 Connect Series Modular Jacks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Siemon Keystone Style</td>
<td>Allen Tel Versa Tap Series</td>
</tr>
<tr>
<td>Leviton Quick Port® Series</td>
<td>Nordx Keystone Style</td>
</tr>
<tr>
<td>Tyco SL Coupler Series</td>
<td>ADC (Krone) 6000 Series</td>
</tr>
<tr>
<td>Hubbell Xcelerator™ Keystone Series</td>
<td>Blank (no coupler/jack)</td>
</tr>
<tr>
<td>Ortonics TracJack Series</td>
<td>Ortonics TracJack Series</td>
</tr>
<tr>
<td>Panduit Mini-Com Series</td>
<td>Microphone Jack/3-Pin XLR (solder type only)</td>
</tr>
<tr>
<td>Video Monitor Jack/DB-15 (panel mount solder style)</td>
<td></td>
</tr>
</tbody>
</table>
Workwall Application: Power Management

Patterns Power Overview

• In-Line 3- or 4-Circuit Workwall applications may have either base or desk height power access in a Vertical Element. If desired, use a combination of base height powered Vertical Elements and desk height powered Vertical Elements in an In-Line Workwall application. Vertical Elements are also available as hardwire or non-powered.
• Horizontal Elements, Reference Tops, Reference Returns, and Portals are available with 3- or 4-Circuit power, hardwire or non-powered.
• Reference Return Vertical is always non-powered.
• Selectively use non-powered Verticals or Horizontals in a powered application as a value engineering strategy. Refer to the power and communication application scenarios in the following pages for details.
Workwall Application: Power Management

Patterns Power Overview

Scenario 1: Using Base and Desk Height Power in an In-Line Workwall
• Vertical Elements A1 and A2 are specified with 3- or 4-Circuit power, desk height power with user access on the inside only.
• Vertical Elements B1 and B2 are specified with 3- or 4-Circuit base, base height power with user access on the inside and access on the outside for maintenance purposes.
• The Horizontal Elements and the Portal are specified with 3- or 4-Circuit power.

Power Application Details
• The power infeed may enter any of the powered Vertical Elements providing the location is accessible to the building power source. Power infeeds are separately specified.
• The base feed module will not occupy a receptacle site in the junction box.
• The internal channels of the powered Vertical Elements allow the power path to carry power and communication up or down the Vertical Element.
• Although power and communication are not accessible in the Horizontal Elements and Portals when specified as powered the internal channels provide power and communication pass-through.
• Field supplied Decora communication access plates are required for all utility access locations; base and desk height.

Application Considerations
• In this application the Vertical Elements A1 and A2 were specified with desk height power access on the inside only for the user access. No power access was specified on the outside to provide a clean aesthetic.
• Vertical Elements B1 and B2 were specified with base height power back-to-back for user access on the inside and for maintenance purposes on the outside.
• All horizontal and vertical planes specified with power allow a continuous power and communication path.

Horizontal Elements
• Powered

Portal
• Powered
Workwall Application: Power Management

Patterns Power Overview

Scenario 2: Using Powered and Non-Powered Vertical Elements in an In-Line Workwall

- Vertical Elements A1 and A2 are specified with 3- or 4-Circuit power.
- Vertical Elements B1 and B2 are specified as non-powered.
- The Horizontal Elements and the Portal are specified with 3- or 4-Circuit power.

Power Application Details

- The power infeed must enter A1 or A2 powered Verticals. Power infeeds do not occupy a receptacle site in the junction box.
- The internal channel in A1 and A2 Verticals allow the power path to carry power and communication up or down the Vertical Element.
- The non-powered B1 and B2 Verticals cannot vertically route power and communication due to the lack of an internal channel. However, the non-powered Verticals will allow the power to pass through the access opening located at the top of the Vertical from Horizontal Element to the Portal.
- Although power and communication are not accessible in the Horizontal Elements and Portals when specified as powered the internal channels provide power and communication pass-through.

Application Considerations

- Retrofitting non-powered Verticals to a powered application is not recommended.
- Because Vertical Elements B1 and B2 are non-powered, there is only one utility access location per user — inside of Verticals A1 and A2. If one utility access location per user is not adequate, consider powering Verticals B1 and B2 with utility access on either the inside or outside or back-to-back.
- Use non-power Verticals with discretion, may not be a value-added decision when analyzing the power path.

Horizontal Elements

- Powered

Portal

- Powered
Workwall Application: Power Management

Patterns Power Overview

Scenario 3: Using Both Powered and Non-Powered Horizontal Elements in an In-Line Workwall

- Vertical Elements A1 and A2 are specified with 3- or 4-Circuit power
- Vertical Elements B1 and B2 are specified as non-powered
- The Horizontal Elements are specified with 3- or 4-Circuit power
- The Portal is non-powered

Power Application Details

- A power infeed must enter both A1 or A2 powered Verticals. The internal cable channels allow the power path to carry power and communication up or down the Vertical Element. Power infeeds do not occupy a receptacle site in the junction box.
- The non-powered Verticals B1 and B2 are not capable of vertically routing power and communication due to the lack of the internal cable channel.
- Although power and communication are not accessible in the Horizontal Elements when specified as powered the internal channels provide power and communication pass-through. Using a non-powered Portal will break the power path between the Horizontals. This condition requires using (2) power infeeds as a result of the non-powered Portal.

Application Considerations

- Retrofitting a non-powered Horizontal (Horizontal Elements, Reference Top, Reference Return, and Portal) to a powered application is not recommended.
- Use non-powered Horizontals with discretion; it may not be a value-added decision when analyzing the power path and the potential need for additional power infeeds to compensate for non-powered elements.

Horizontal Elements

- Powered

Portal

- Non-Powered
Workwall Components

After designing the Workwall foundation using a Workwall Shell for a Stand-Alone individual application or Horizontal and Vertical Elements for an In-Line Workwall application select the appropriate components to add functionality.
Workwall Components

Introduction to Application Planning Models:
Workwall Floor Supported Shelf or Credenza Top

1. Start at the bottom of the Workwall and determine the application desired; a Workwall Credenza Top or a Workwall Floor Supported Shelf.

Workwall Floor Supported Shelf

- 18” deep shelf
- 25½” installed height
- Optional Sliding Doors are available, separately specified
- The Workwall Stabilizer serves as the back of the Floor Supported Shelf
- Supports a perpendicularly mounted Convergent Worksurface in a Floating Worksurface application

Sliding Door for Workwall Floor Supported Shelf

- Optional Sliding Doors are available; separately specified.

Workwall Sliding Door

- Half-Width Sliding Doors: two equal-sized pieces
- Multi-Sectional Sliding Doors: 24” wide pieces

Tips

- A Workwall Credenza Top and a Floor Supported Shelf may not be used in a stacked condition above one another.
- When using a Convergent Worksurface, 24” wide Sliding Doors are recommended.

Workwall Credenza Top

- 18⅛” deep worktop; not recommended as user's primary worktop
- Credenza Top Workwall Stabilizer provides a 25” high back
- Recommended installation height ranges between 25” to 30”
- Credenza Top installed user height is dependent upon several height influencers:
  - Credenza Top thickness; 1⅜” or 2”
  - Height of storage beneath Credenza Top
  - Convergent Worksurface perpendicularly mounted from the Credenza Top
  - Type of Convergent Worksurface planning model; flush or floating application and the desired user height for the Convergent Worksurface
Introduction to Application Planning Models: 
Using a Convergent Worksurface in a Workwall Application

Workwall Credenza Top with Rectangular Convergent Worksurface
The installed user height of a Convergent Worksurface is based on a number of height influencers. It starts with the Credenza Top thickness. Next is the height of the optional lower storage beneath the Credenza Top. The storage selection may impact the Credenza Top installed user height — which is dependent upon the height of the storage and the desired Credenza Top height. The recommended Credenza Top installation height range is 25½” to 30” dependent on the top thickness. If lower storage is not being used beneath the Credenza Top, simply identify the desired Credenza Top user height. Now a starting point has been established to add a Convergent Worksurface to the Credenza Top.

The following height influencers impact the Convergent Worksurface installed user height:
• Convergent Worksurface thickness
• Worksurface planning model: Flush or Floating
• In a Flush Worksurface application, the height of the Convergent Worksurface will be the same as the Credenza Top.
• In Floating Worksurface application, the Convergent Worksurface floats above the Credenza Top; the space between surfaces may be 1½” or 2½”.

Floating Surface Application
• Different height surfaces
• The space between surfaces may be 1½” or 2½”; separately specify the appropriate Floating Worksurface Bracket

Flush Surface Application
• Same height surfaces
• Separately specify (2) Flush Mount Plates

Tips
• Both surface thicknesses may be the same or different in a Floating Surface application.
• Both surface thicknesses must be the same in a Flush Surface application.
• Separately specify a floor support element for opposite end of Convergent Worksurface; refer to Worksurface Section for details.

Workwall Floor Supported Shelf with Rectangular Convergent Worksurface
A Convergent Worksurface mounted from a Floor Supported Shelf is used in a Floating Worksurface planning model, only. The Floor Supported Shelf installed height is 25½”. This height is the starting point to add a Convergent Worksurface.

The following height influencers impact the Convergent Worksurface installed height:
• Convergent Worksurface thickness
• Space between Floor Supported Shelf and Convergent Worksurface

Floating Surface Application
• Different height surfaces; Convergent Worksurface floats above Floor Supported Shelf.
• The space between surfaces may be 1½” or 2½”; separately specify the appropriate Floating Worksurface Bracket.

Tip
Separately specify a floor support element for opposite end of Convergent Worksurface; refer to Worksurface Section for details.
Workwall Components

Introduction to Application Planning Models: Lower Storage Options

Lower storage located beneath a Credenza Top may impact the installed user height of the Credenza Top.

Patterns Series Storage
Patterns Series Storage is 23" high to accommodate the recommended Credenza Top installation height range.

Mobile Pedestals Actual Depths:  
- 18"
- 24"

Freestanding File Actual Depth  
- 18"

X Series Storage
X Series 27½" high storage is an option for use beneath the Credenza Top. The height of X Series storage requires the Credenza Top user’s height to be higher than the Patterns Series Storage. Refer to the Worksurface Section for Credenza Top height options.

Attached Pedestals Actual Depths:  
- 17"
- 23"
- 29"

Mobile Pedestals Actual Depths:  
- 18"
- 24"

Attached or Freestanding File or Combination Unit Actual Depths:  
- 18¾"

Workwall Credenza Top with Lower Storage
- Thickness of the Credenza Top and the height of the lower storage effects the Credenza Top’s installed user height.

Patterns Series Storage  
- 23" High

X Series Storage  
- 27½" High

Tips
- Pedestal drawer configurations vary between Patterns Series Storage and X Series.
- Suspended storage may not be used beneath a Workwall Credenza Top.
- Refer to Patterns Series Storage section for details.
Workwall Components

Introduction to Application Planning Models: Workwall Suspended Shelf

2. Move to the top of the Workwall application and determine if a Suspended Shelf unit is needed for storage.

Workwall Suspended Shelf

- 18" deep Shelf (laminate or wood); 17" deep Shelf (glass)
- Suspend from the Horizontal
- Separately specify Doors for an enclosed front on laminate or wood Shelf
- Separately specify Shelf Backer for an enclosed Shelf Back on laminate or wood Shelf
- Shelf configurations consist of one, two, or three shelves depending upon the Workwall height
- Single shelf configuration (one shelf high) suspends 16" or 24" below the Horizontal
- The top shelf of a two or three shelf configuration suspends 8", 16", or 24" below the Horizontal
- The lower shelf or shelves of a two or three shelf configuration suspends 16" below the top shelf
- Distance between shelves is fixed; not adjustable

One Shelf Configuration:
- 16" or 24" High

Two Shelf Configuration:
- 24", 32", or 40" High

Three Shelf Configuration:
- 40", 48", or 56" High

The Suspended Shelves offer a multitude of planning options ranging from 16" to 56" nominal heights. Keep this in mind when choosing the overall Workwall height. Refer to the Suspended Shelf section for planning height options.

Workwall Suspended Shelf Applications

Use a Suspended Shelf to fill the majority of the Workwall or choose a shelf configuration to accommodate a Workwall Credenza Top or Workwall Floor Supported Shelf below.

A Suspended Shelf with three rows may be used in a 92½" high Workwall application, only.

A Suspended Shelf with one or two rows may be used in any height Workwall application.
Workwall Components

Introduction to Application Planning Models: Workwall Suspended Shelf Backer

Determine if you want an open or enclosed back Workwall application. If the application has a Suspended Shelf there are two options to enclose the back of the Workwall:

- A Workwall Backer for a fully enclosed back, or
- A Workwall Suspended Shelf Backer offers a partial back enclosure.

Workwall Suspended Shelf Backer

- 24” wide pieces
- Separately specify a Shelf Backer to enclose the space behind each Shelf
- Specify the appropriate height and width Shelf Backer to enclose a complete row from:
  - Vertical-to-Vertical or
  - Between Shelves or
  - Between Horizontal and Shelf

A Workwall Stabilizer is included with a Workwall Shell or a Horizontal Element. The Stabilizer encloses the back of the Workwall from Vertical-to-Vertical and is 25” high.

Back of Workwall

Two Shelf Configuration

One Shelf Backer (Top Row)

One Shelf Backer (Bottom Row)

Two Shelf Backers (Top and Bottom Row)

22” Deep: Single-Sided Workwall

For a fully enclosed back on a 22” deep Workwall, separately specify a Workwall Suspended Shelf Backer for each row and a separately specified Tackboard.

42” Deep Double-Sided Workwall

For complete privacy between two workstations on a 42” deep Workwall, separately specify Workwall Suspended Shelf Backer for each row and separately specified Tackboards.

Tip

Suspended Shelf Backers are available in laminate or wood to match the Workwall Horizontals and Verticals.
Workwall Components

Introduction to Application Planning Models: Workwall Backer

A Workwall Backer must be specified to fully enclose the back of a Workwall application.

Workwall Backer

Use the Multi-Sectional Workwall Backer option for 24” wide pieces or the half-width option for two equal sized pieces.

Multi-Sectional
- 24” wide pieces

Half-Width
- Two equal sized pieces

Separately specify a Workwall Backer to fully enclose the back of a Workwall from the top of Workwall Stabilizer.
- The height, width, and depth of the Workwall must be identified. The depth is required because the 22” deep and 42” deep Workwalls have different support beam profiles in the Horizontal.
- The top of the Workwall Backer attaches into the Horizontal support beam.
- The different support beam profiles won’t allow interchanging the Workwall Backer between Workwall depths.

22” Deep: Single-Sided Workwall

For a fully enclosed back on a 22” deep Workwall, separately specify a Workwall Backer.

42” Deep Double-Sided Workwall

For privacy between two back-to-back workstations on a 42” deep Workwall, separately specify a Workwall Backer.

Tips
- Workwall Backer may be used in applications with or without Suspended Shelves and may be used instead of a Suspended Shelf Backer.
- Do not use laminate or wood Workwall Backers or Suspended Shelf Backers in a back-to-back workstation condition.
- Workwall Backers are available in laminate, wood, or glass.
- Suspended Shelf Backers are available in laminate or wood only.
Introduction to Application Planning Models: Workwall Tackboards

A Workwall Tackboard may be specified to provide a fabric tackable surface within a Workwall application. A Tackboard may also be used to enclose the back of the Workwall in some applications depending upon Workwall height and use of Suspended Shelves.

Workwall Tackboards
Specify the appropriate height and width Tackboard for your product application; refer to the Tackboard application section to verify appropriate Tackboard locations within a Workwall.

<table>
<thead>
<tr>
<th>Full-Width Tackboards</th>
<th>Partial-Width Tackboards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Widths: 72”, 96”, and 120”</td>
<td>Widths: 36”, 48”, and 60”</td>
</tr>
</tbody>
</table>

Tackboards may be used in full width or partial width applications.

- **Full Width Tackboards** include two pieces which fill the space between Verticals.
- **Partial Width Tackboard** is a single Tackboard which fills half the space between Verticals. Tackboard may be positioned horizontally anywhere between the Verticals.

Tips
- Tackboards may not extend in height to pass behind the back of the laminate or wood Shelf.
- Fabric Tackboards are available upholstered on both sides.
Workwall Components

Introduction to Application Planning Models: Workwall Task Light

Workwall Task Light may be specified to provide a light beneath a Workwall Horizontal or Suspended Shelf. The Suspended Shelf must be laminate or wood as the Task Light cannot be installed on a glass Suspended Shelf.

Workwall Task Light
- Select the Task Light with Mounting Channel in a width to match your Workwall or Suspended Shelf.
- The Task Light with Mounting Channel can accommodate an additional Task Light. For an additional light, specify the Task Light without Mounting Channel.
- The Mounting Channel must be removed and reinstalled to allow installation of the additional Task Light.
- Task Light without Mounting Channel includes Daisy Chain connector.

Task Light with Mounting Channel
Widths: 72", 96", and 120"

Task Light without Mounting Channel
Widths: 23", 35", 47", and 59"

Task Lights may be used beneath a Workwall Horizontal or a Suspended Shelf.

In these Workwall workstation applications Task Lighting is used to illuminate Credenza Top work area.

In this Workwall display application Task Lighting is used to illuminate through the glass Suspended Shelves.

Tip
Workwall Vertical Wire manager is available for cord management.

Note
A Task Light is not for use beneath a glass Suspended Shelf.
Workwall Credenza Top: Statement of Line

Workwall Credenza Tops are available in three widths and one depth, as well as with or without Grommets. They are for use in a Workwall Shell or an In-Line Workwall application.

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>ACTUAL DEPTH</th>
<th>WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>22&quot;</td>
<td>18¾&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>96&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>120&quot;</td>
</tr>
</tbody>
</table>

Without Grommet

With Grommet
**Workwall Credenza Top: Overview**

**Features:**
- Laminate or wood surface options
- Two surface thicknesses: 1\(\frac{3}{16}\)" and 2"
- Standard with 3mm edgeband on all four sides
- Available with standard core, only
- Includes End and Intermediate Support Brackets
- Attaches to the Horizontal Stabilizer Mounting Rail and Vertical Insert Pins
- Depth: Nominal 22"
  - Actual 18\(\frac{5}{8}\)"

**Intermediate Support Brackets**
(attach to Horizontal Stabilizer mounting rail)

**End Support Bracket**
(attaches to Vertical Insert Pins).

**Optional Workwall Credenza Top Grommet (2\(\frac{3}{4}\)" diameter)**

**Note**
Actual Depth 1\(\frac{3}{4}\)".

**Wood Grain Direction**
Arrows indicate the laminate wood grain direction and wood veneer grain direction for all widths.

**Tips**
- Workwall Credenza Tops have a 1" gap at the back for cord management.
- Optional Tackboard prevents cord management behind Workwall Credenza Top; specify Credenza Top with Grommets or separately specify Grommets for field installation.
Workwall Credenza Top: Application Planning

• The Workwall Credenza Top is only for use beneath a Workwall Horizontal in a Workwall Shell or in an In-Line Workwall application. The 25” high Workwall Stabilizer provides privacy beneath the Credenza Top. A Workwall Stabilizer is included with a Workwall Shell or with the Horizontal of an In-Line Workwall application.
• Each end of the Workwall Credenza Tops attach to the Vertical Insert Pins.
• One Workwall Credenza Top is allowed per side of Workwall.

22” Deep: Single-Sided Workwall
• Accommodates one Credenza Top

42” Deep: Double-Sided Workwall
• Accommodates one Credenza Top; each side

Note 3” gap between Credenza Tops.

Tip Workwall Credenza Top not for use beneath a Reference Top, Reference Return, or Portal.

The 18½” deep Credenza Top is not recommended for use as a primary worksurface for ergonomic reasons. A Workwall Credenza Top may be used with an adjacent Convergent Worksurface or as a secondary worksurface in a Studio Table application.
Workwall Credenza Top: Designing with Credenza Tops

Mounting Heights

Workwall Credenza Top mounting heights can be adjusted using mounting insert pin locations and the End Support Brackets. The Credenza Top height may be influenced by optional design considerations:
- If used in a Flush or Floating Rectangular Convergent Worksurface application, the Credenza Top height and the Worksurface thickness will impact the Worksurface user height.
- If storage is used beneath the Credenza Top, the height of the storage and the Credenza Top thickness will impact the installed height.

1¾" Thick Credenza Top

Recommended Installation Heights:
• 25¾” – 29½”

2” Thick Credenza Top

Recommended Installation Heights:
• 25½” – 30”

Tip
Refer to the Worksurface Section for planning guidelines when mounting a Rectangular Convergent Worksurface from a Credenza Top.
Workwall Credenza Top: Product Relationships

A Workwall Credenza Top may be used:
- May be used with a Rectangular Convergent Worksurface in a Flush or Floating application to design a workstation.

Flush Worksurface application:
Workwall Credenza Top must be mounted between 26” and 30” high.

Floating Worksurface application:
Workwall Credenza Top must be mounted between 25 1/2” and 26 1/2” high.

Tip Refer to the Worksurface section for application guidelines.

Do Not Use a Workwall Credenza Top:

Below a Reference Top
Below a Reference Return
Below a Portal

Tip Not designed to accommodate a Workwall Credenza Top because no structural beam, Stabilizer, or insert pins for support and load or mounting requirements.

In a File Enclosure Application
In a Studio Table Application

A File Enclosure will not accommodate a Workwall Credenza Top; no structural beam, Stabilizer, or insert pins for support and load or mounting requirements.

A Studio Table will not accommodate Workwall Credenza Top; dimensions are not compatible.
Workwall Credenza Top: Product Relationships

Do not use a Workwall Credenza Top:

**As a Primary Worksurface**

Do not use Workwall Credenza Top:

**Stacked Above One Another**

Tip: Workwall Credenza Top depths do not provide an acceptable ergonomic Worksurface.

Tip: Workwall Credenza Tops are not for use in a stacked application. Refer to the Workwall Suspended Shelf section for shelving applications.

Above 30” or Below 25” Mounted Heights

Tip: Workwall Credenza Top mounting hardware will not accommodate these heights.

Not Recommended to Use Workwall Credenza Top with:

An Adjustable Keyboard Pad (AKP)
Workwall Floor Supported Shelf: Statement of Line

Workwall Floor Supported Shelves are available in three widths and one depth. For use in a Workwall Shell or an In-Line Workwall application.

<table>
<thead>
<tr>
<th>DIMENSIONS NOMINAL DEPTH</th>
<th>ACTUAL DEPTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>18”</td>
<td>17”</td>
<td>72”</td>
<td>23½”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>90”</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>120”</td>
<td></td>
</tr>
</tbody>
</table>

Width

Height

Depth
Workwall Floor Supported Shelf: Overview

Features:
- Laminate or wood surface options
- 1” thick Shelf; upper and lower surface
- Standard with anodized aluminum trim on front edge of upper and lower Shelf surface
- ¾” thick shelf dividers standard with 1mm edgeband
- Flippable door track allows for separately specified doors
- Attaches to the Horizontal Stabilizer Mounting Rail and Vertical Insert Pins
- Includes installation hardware
- Height: 25½”
- Depth: Nominal 18”
  Actual 17”

Quantity of shelf dividers is determined by the Floor Supported Shelf width.

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>SHELF DIVIDER QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>72”</td>
<td>3</td>
</tr>
<tr>
<td>96”</td>
<td>4</td>
</tr>
<tr>
<td>120”</td>
<td>5</td>
</tr>
</tbody>
</table>

Tips
- Optional Sliding Doors and/or Grommet separately specified.
- If Workwall power is specified at the base, separately specify Floor Supported Shelf Grommets for cord management.
- Base Filler piece standard in Champagne.
Workwall Floor Supported Shelf: Application Planning

- The Workwall Floor Supported Shelf is only for use beneath a Workwall Horizontal in a Workwall Shell or in an In-Line Workwall application.
- The 25” high Workwall Stabilizer provides a back for the Floor Supported Shelf.
- A Workwall Stabilizer is included with a Workwall Shell or with the Horizontal used in an In-Line Workwall application.
- Each end of the Workwall Floor Supported Shelf attaches to the Vertical Insert Pins.
- One Workwall Floor Supported Shelf is allowed per side of Workwall.

22” Deep: Single-Sided Workwall
- Accommodates one Floor Supported Shelf.

42” Deep: Double-Sided Workwall
- Accommodates one Floor Supported Shelf each side.

Tips
- Workwall Floor Supported Shelf is for use beneath a Workwall Horizontal; Workwall Horizontal and Workwall Floor Supported Shelf must be same width.
- Workwall Floor Supported Shelf not for use beneath a Reference Top, Reference Return, or Portal.

A Workwall Floor Supported Shelf may be used with an adjacent Convergent Worksurface in a Floating Worksurface planning model.

Note Specify appropriate Floating Bracket type and height for Floor Supported Shelf application.
Workwall Floor Supported Shelf: Product Relationships

A Workwall Floor Supported Shelf may be used:

- With a Rectangular Convergent Worksurface in a Floating Worksurface application, only.

![Checkmark]

Tip
Refer to the Worksurface section for application guidelines.

A Workwall Floor Supported Shelf may not be used:

- With a Rectangular Convergent Worksurface in a Flush Worksurface application.
Workwall Floor Supported Shelf: Product Relationships

A Workwall Floor Supported Shelf may be used:

• With Workwall Suspended Shelves to design a Workwall Storage Application

Refer to the Suspended Shelf section for additional application guidelines.

• With Workwall Sliding Doors

Workwall Sliding Doors are available half-width or in 24" wide pieces for use with Workwall Floor Supported Shelf or Suspended Shelves

Do not use a Workwall Floor Supported Shelf:

• Below a Workwall Credenza Top

A Workwall Floor Supported Shelf uses the same insert pin locations for installation as a Workwall Credenza Top.

• Above 25½" High

Workwall Floor Supported Shelf mounting hardware will accommodate a 25½" installation height only.

• In a stacked application

Workwall Floor Supported Shelf
Workwall Suspended Shelf: Statement of Line

- Workwall Suspended Shelves are available in three widths: 72", 96", and 120".
- One, two, or three Shelf configurations are available for use with Systems and Architectural Height Workwall applications; Workwall Shell or In-Line Workwall applications.

Laminate, Wood, and Glass Shelves:
Widths: 72", 96", and 120"

Laminate and Wood Shelves:
Actual Depth: 18"

Glass Shelves:
Actual Depth: 17"
Workwall Suspended Shelf: Overview

**Suspended Shelf:**
- Laminate, wood, and glass surface options
- 1” thick Shelf (laminate or wood); ½” thick Shelf (glass)
- Laminate and wood Shelves standard with anodized aluminum trim on front edge
- Suspended by ¼” diameter anodized aluminum Shelf Rods
- Laminate and wood Shelves standard with flippable door track which allows for separately specified Sliding Doors.
- Actual Shelf depth: (18”) laminate and wood
  (17”) glass

**Note** Flippable tracks and anodized aluminum trim on laminate and wood Suspended Shelves.

Quantity of Suspended Shelf Rods are determined by the Suspended Shelf width and height. Height of the Shelf Rod suspended from the Horizontal is available in several options to accommodate systems and Architectural Height Workwall applications. Lower Shelf Rods for two and three high Suspended Shelf configurations are standard 16” high.
Workwall Suspended Shelf: Overview

Laminate or Wood Suspended Shelf:
Suspended Shelf Rods attach beneath the Horizontal and Shelf Ends attach to Vertical Insert Pins. Suspended Shelf includes installation hardware.
• Horizontal includes factory installed Insert Pins; Shelf Rods fasten into Insert Pins.
• Horizontal Insert Pins standard in Metallic Silver.
• Suspended Shelf Rods standard in Anodized Matte trim.

18" deep laminate and wood Suspended Shelf is set back 2" from Vertical edge.

• Suspended Shelf is factory drilled to accept Shelf hardware.
• Hardware standard in Anodized Matte trim.

Tip
Design installation drawings to indicate height of Suspended Shelf configuration. Suspended Shelf is shipped unassembled. Suspended Shelf Rods are available in three heights; installation direction required for design intent.

Vertical designated for Horizontal includes factory installed Insert Pins.
• Vertical Insert Pins standard in Metallic Silver.
• Bushings are field installed in Vertical Insert Pins for mounting Suspended Shelf Ends.
**Workwall Suspended Shelf: Overview**

**Glass Suspended Shelf:**
Suspended Shelf Rods attach beneath the Horizontal and Suspended Shelf Ends attach to Vertical Insert Pins. Suspended Shelf includes installation hardware.

- Suspended Shelf is factory drilled to accept Shelf hardware.
- Hardware standard in Anodized Matte trim.
- Vertical designated for Horizontal includes factory installed Insert Pins. Shelf Rods fasten into Insert Pins.
- Insert Pins standard in Metallic Silver.
- Suspended Shelf Rods standard in Anodized Matte trim.

**Tip**
Design installation drawings to indicate height of shelf configuration. Suspended Shelf is shipped unassembled. Suspended Shelf Rods are available in three heights; installation direction required for design intent.

- Vertical designated for Horizontal includes factory installed Insert Pins
- Vertical Insert Pins standard in Metallic Silver
- Vertical Insert Pins attach glass Suspended Shelf hardware to Vertical for mounting
- Suspended Shelf Ends; field installation required

- Glass Suspended Shelf attachment hardware.
- Standard in Anodized Matte.

- 17" deep glass Suspended Shelf is set back 2" from Vertical edge.
Workwall Suspended Shelf: Overview

Laminate or Wood Suspended Shelf: Flippable Track
- Flippable track is a clear plastic insert and is shipped factory installed with flat side up for an open Suspended Shelf application.

With Components
- If a Suspended Shelf Sliding Door, Shelf Backer, or Tackboard is separately specified, the flippable track is inverted and reinstalled (or removed) in the field to accept the components.
Workwall Suspended Shelf: Application Planning

- The Workwall Suspended Shelf is only for use beneath a Workwall Horizontal in a Workwall Shell or in an In-Line Workwall application.
- One Workwall Suspended Shelf configuration is allowed on each side of Workwall.

22” Deep: Single-Sided Workwall
• Accommodates one Suspended Shelf configuration

42” Deep: Double-Sided Workwall
• Accommodates one Suspended Shelf configuration per side

Application Guidelines:
• All available Workwall heights will accommodate a one or two Suspended Shelf configuration
• A Suspended Shelf three row configuration is only for use with a 92½” high Workwall application
• Workwall Suspended Shelf is for use beneath a Workwall Horizontal; Workwall Horizontal and Workwall Suspended Shelf must be same width
• Different Suspended Shelf configurations may be used on each side of a 42” deep Workwall
• When a Storage Box is placed upon a Horizontal with a Suspended Shelf the maximum number of storage rows allowed is two. An individual Suspended Shelf counts as one row. Storage Boxes, in an end-to-end application on top of a Horizontal, count as one row.

60½” High Workwall Application

Individual Suspended Shelf (One Row) + Individual Suspended Shelf (One Row) = Total: Two Rows of Storage

Storage Boxes (One Row) + Individual Suspended Shelf (One Row) = Total: Two Rows of Storage

Storage Boxes (One Row) + Individual Suspended Shelf (One Row) + Individual Suspended Shelf (One Row) = Total: Three Rows of Storage
Exceeds the maximum two rows of storage allowed.

Tip: Workwall Suspended Shelf not for use beneath a Reference Top, Reference Return, or Portal.
Workwall Suspended Shelf: Application Planning

• Suggested storage applications within the support and load guidelines.

<table>
<thead>
<tr>
<th>MAXIMUM ROWS OF STORAGE PER WORKWALL HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>WORKWALL HEIGHT</td>
</tr>
<tr>
<td>------------------</td>
</tr>
<tr>
<td>44½”</td>
</tr>
<tr>
<td>60½”</td>
</tr>
<tr>
<td>76½”</td>
</tr>
<tr>
<td>92½”</td>
</tr>
</tbody>
</table>

**Note** One row of storage = an individual Suspended Shelf (or) a row of Storage Boxes on Horizontal.

**44½” High Workwall Application**

• In some applications, the Suspended Shelf may interfere with using a Credenza Top or a Floor Supported Shelf.

**60½” High Workwall Application**

**76½” High Workwall Application**

**92½” High Workwall Application**
Workwall Suspended Shelf: Product Relationships

Do not use Workwall Suspended Shelves:

- In an application which exceeds the maximum number of storage rows allowed per workwall height
- Center mounted in a shared condition on a 42” deep double-sided Workwall
- (4) Workwall Suspended Shelves exceeds the maximum number of storage rows allowed.

A Workwall Suspended Shelf may be used:

- With Workwall Floor Supported Shelf to design a Workwall storage application.

22” Deep: Single-Sided Workwall

- With Workwall Sliding Doors
  - Workwall Sliding Doors are available half-width or in 24” wide pieces for use with Workwall Suspended Shelf or Floor Supported Shelf.

42” Deep: Double-Sided Workwall

(2) Workwall Suspended Shelves may be used in a back-to-back condition in a 42” deep double-sided Workwall.
Workwall Suspended Shelf: Product Relationships

Do not use Workwall Suspended Shelves:

• Below a Reference Top

• Below a Reference Return

• Below a Portal

• In a File Enclosure Application

A File Enclosure will not accommodate a Workwall Suspended Shelf; no Structural Beam, Stabilizer, or Insert Pins for mounting and doesn't meet support and load requirements.

Tip
Workwall Suspended Shelf is for use beneath a Horizontal in a Workwall Shell or an In-Line Workwall application.
Workwall Sliding Door: Statement of Line

Use the Half-Width or the Multi-Sectional 24" Width Sliding Doors to enclose a Workwall Suspended Shelf or a Workwall Floor Supported Shelf.

- Workwall Sliding Doors are available in three widths: 72", 96", and 120".
- Workwall Sliding Doors available in one height: 16".
- Sliding Doors available in laminate, wood, or glass.

Half-Width Sliding Doors

Multi-Sectional 24" Width Sliding Doors
Workwall Sliding Door: Overview

Product Features
- Available in laminate, wood, and glass; Sliding Door finish may match or complement Shelf surface. (Exception: Not for use with glass Suspended Shelf)
- Half-Width Sliding Door includes two same width Sliding Doors to enclose the entire Shelf front.
- Multi-Sectional 24" Width Sliding Door includes a quantity of three, four, or five Sliding Doors to enclose the entire Shelf width.
- ¼" thick Sliding Door.
- Sliding Doors standard with anodized aluminum pull.
- Nominal Sliding Door Height: 16”.
- Sliding Doors attach to front flippable track in Workwall Suspended Shelves or Floor Supported Shelves.
- Includes installation hardware.
- Available locking or non-locking.
- Non-locking laminate and wood Sliding Door may be field retrofitted to locking; non-locking glass Sliding Doors may not be retrofitted to locking.
- The Sliding Door pull and lock quantity is dependent upon the Sliding Door type and the width. Lock plugs are available Black or Chrome and either Keyed Alike or with Master Keying.

Half-Width Sliding Doors

<table>
<thead>
<tr>
<th>Slide Door Width</th>
<th>Lock Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>72&quot;</td>
<td>1</td>
</tr>
<tr>
<td>96&quot;</td>
<td>1</td>
</tr>
<tr>
<td>120&quot;</td>
<td>1</td>
</tr>
</tbody>
</table>

Multi-Sectional 24" Width Sliding Doors

<table>
<thead>
<tr>
<th>Slide Door Width</th>
<th>Lock Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>72&quot;</td>
<td>2</td>
</tr>
<tr>
<td>96&quot;</td>
<td>2</td>
</tr>
<tr>
<td>120&quot;</td>
<td>3</td>
</tr>
</tbody>
</table>

Tip
- Sliding Doors are not for use with Glass Suspended Shelves.
Workwall Sliding Door: Overview

Sliding Door installs into flippable tracks. The front flippable track(s) slide out of the housing and must be inverted to accept Sliding Door prior to installing shelf.

Front Track

Half-Width Sliding Doors
• The right-hand Half-Width Sliding Door is recessed.

Multi-Sectional 24” Width Sliding Doors
• With Multi-Sectional 24” Width Sliding Doors, the recessed Sliding Door location is dependent on the number of Sliding Doors which is based upon the width of the Shelf application.

72” Wide
• Three Sliding Doors

96” Wide
• Four Sliding Doors

120” Wide
• Five Sliding Doors
Workwall Sliding Door: Overview

Laminate, Wood, or Glass: Sliding Door Opening Sizes

Half-Width Sliding Doors
• Actual door width is ½” greater than the nominal dimension. Sliding doors overlap 1”.

Multi-Sectional 24” Width Sliding Doors
• Actual Sliding Door width is ½” greater than nominal dimension; 24½” actual width. Sliding Doors overlap ¾” or 1” depending on the number of doors.

An individual door opening is 21” wide.

In a 96” wide sliding door application the two adjacent recessed doors provide a maximum opening of 44” wide.

In a 120” wide sliding door application the two adjacent recessed doors provide a maximum opening of 45” wide.
Workwall Sliding Door: Suspended Shelf Application

Laminate or Wood Suspended Shelf: Flippable Track

With Sliding Doors
- The front flippable Suspended Shelf track is for separately specified Sliding Doors; the flippable track is inverted and reinstalled on the uninstalled Shelf in the field to accept the Sliding Doors.
- Specification of the Sliding Doors require a position location, either top or non-top, for inclusion of appropriate installation hardware.

Suspended Shelf with Sliding Door Application: Front Track

The Sliding Door includes an upper door track for installation below the Horizontal when specified in the top position (-T). Requires field drilling.

Suspended Shelf with Sliding Doors in a top position.

Tip
For a Sliding Door used with a Shelf suspended directly from the Horizontal, specify the Top Position (-T).

Suspended Shelf with Sliding Doors in a non-top position.

Tips
- For a Sliding Door used with a Shelf positioned below another Shelf, specify the Non-Top Position (-U).
- Sliding Doors not for use on glass Suspended Shelves.
Workwall Sliding Door: Floor Supported Shelf Application

Laminate or Wood Suspended Shelf: Flippable Track

With Sliding Doors
- The front flippable Suspended Shelf track is for separately specified Sliding Doors; the flippable track is inverted and reinstalled on the uninstalled Shelf in the field to accept the Sliding Doors.
- Specification of the Sliding Doors require a position location, either top or non-top, for inclusion of appropriate installation hardware.

Floor Supported Shelf with Sliding Door Application: Front Track

Floor Supported Shelf with Sliding Doors in a non-top position.

Tip
For a Sliding Door used with a Floor Supported Shelf, specify the Non-Top Position (-U).
Workwall Sliding Door: Application Planning

Half-Width Sliding Doors
The vertical reveal lines of the Half-Width Sliding Door and the Half-Width Workwall Backer (laminate only) visually align.

Tip
The Workwall Backer is available in two options: Half-Width or Multi-Sectional 24” Width.

Multi-Sectional 24” Width Sliding Doors
24” Width Sliding Door vertical reveal lines visually align with Suspended Shelf Rods, Floor Supported Shelf dividers, Shelf, and Workwall Backer vertical reveal lines.

Tip
The Shelf Backer available with 24” wide Multi-Sections, only.
A Workwall Sliding Door may be used:

- On a Workwall Suspended or Floor Supported Shelf.

- Separately specify a Sliding Door for each row of storage.
- Sliding Doors not for use with glass Suspended Shelf.
- Half-Width and Multi-Sectional 24" Width Sliding Doors may be used within the same Workwall application. This application will create visually misaligned vertical reveal lines.

- Installed on the back of a Suspended Shelf to provide aisle access on a 22" Deep Single-Sided Workwall application.
Workwall Sliding Door: Product Relationships

A Workwall Sliding Door may be used:
• Between a Floor Supported Shelf and a Suspended Shelf to fill a 16” high opening.

![Diagram of a Workwall Sliding Door with labels: Suspended Shelf, Two Shelf Configuration, 24" Wide Sliding Door, Floor Supported Shelf.]

Note Application dependent upon Workwall height.

A Workwall Sliding Door may not be used:
• With a glass Suspended Shelf.

![Diagram of a Workwall Sliding Door with label: Glass Suspended Shelf.]

Product Details | Patterns – Workwall Sliding Door: Product Relationships
Workwall Backer and Suspended Shelf Backer: Application Planning

**Backer Types and Surface Materials**
- The backer type and the available surface material determine the backer aesthetics for the Workwall application.
- Workwall and Suspended Shelf Backers are offered in 24" wide segments; available in laminate, wood, and glass.
- Workwall Backer width matches the Horizontal width.

**Workwall Backer**
- Workwall Backer closes the Workwall from Horizontal to Stabilizer and from Vertical to Vertical.
- Workwall Backers are offered in 24" segments or Half-Width.
- Half-width Backer available in laminate only.

**Segmented Workwall Backer**

**Half-Width Workwall Backer**

**Suspended Shelf Backer**
- Suspended Shelf Backer closes the Workwall from Horizontal to first Shelf or Shelf-to-Shelf and from Vertical to Vertical.
- 24" Wide Segments.
Workwall Backer and Suspended Shelf Backer: Application Planning

Shelves and Backers

24" Wide Segmented Backers
• 24" wide segmented Workwall Backer and Suspended Shelf Backers match the 24" space increment between the shelf rods of a Suspended Shelf Backer and/or shelf dividers of a Floor Supported Shelf. The vertical lines created by shelf rods and shelf dividers align with Backer lines.

24" Wide Segmented Backer

Half-Width Workwall Backer
• Half-Width Workwall Backers reduce the number of vertical lines but do not fall in-line with the 24" wide vertical 72" or 120" shelf rods.
• Adding Half-Width Sliding Doors to the Suspended and Floor Supported shelves aligns with Half-Width Backer.

Open Shelf Application

Closed Shelf Application
Workwall Backer and Suspended Shelf Backer: Application Planning

**Suspended Shelves and Backers**
- Layering Backers Impacts Workwall Function and aesthetics.

**Glass Workwall Backer Application**
- When using a glass Workwall Backer everything is visible from the back of the Workwall.
- The contents of a Suspended Shelf will be visible unless a Suspended Shelf backer is used.

With Suspended Shelf Backer
- Use a Suspended Shelf Backer to close the back of the Suspended Shelf.

**Tip**
Backer is not available for use on a glass Suspended Shelf.
Workwall Suspended Shelf Backer: Statement of Line

Workwall Suspended Shelf Backers are available in three widths and heights:
- Widths: 72", 96", and 120"
- Heights: 8", 16", and 24"

Laminate, Wood, and Glass Suspended Shelf Backers
- 24" wide segments

![Diagram of Workwall Suspended Shelf Backer with dimensions and patterns]
Product Features:
- Available in laminate, wood, and glass.
- 24” wide segmented Suspended Shelf Backer includes a quantity of three, four, or five pieces dependent upon width specified.
- Laminate backers are ¼” thick; glass backers are 6mm thick.
- Suspended Shelf Backer Actual Heights:
  - Top Position: 6 ¼”, 14 ½”, 22 ¾”
  - Non-Top Position: 7 ¾”, 15 ¾”, 23 ¾”
- Backer attaches to the back flippable track in Workwall Suspended Shelf; laminate or wood only.
- A Suspended Shelf Backer and a Workwall Backer have separate horizontal tracks for installation purposes.
  A Suspended Shelf Backer requires a specification option: Top or Non-Top. The Top position must be specified to receive the horizontal track for a Suspended Shelf Backer when located directly below the Horizontal. For a Suspended Shelf Backer used between two Suspended Shelves, specify the Non-Top position.

22” Deep Top Position Suspended Shelf Backer
- Horizontal tracks allow a Suspended Shelf Backer and a Workwall Backer to be layered. The Workwall Backer located on the back of a 22” Deep Workwall may be used with a Suspended Shelf Backer on the inside of the Workwall Backer.
Workwall Suspended Shelf Backer: Overview

42” Deep Top Position Suspended Shelf Backer
- A 42” Deep: Double-Sided Workwall Horizontal will accommodate a maximum of two Suspended Shelf Backers in the Top position.
- Horizontal Tracks allow components to be layered. The Workwall Backer is centered on a 42” deep Workwall. One Suspended Shelf Backer may be located on each side of the Workwall Backer in the Top position.

Horizontal track is included with specification option (-T) Top Position for Suspended Shelf Backer. Requires field drilled holes.
22" and 42" Deep Non-Top Position Suspended Shelf Backers
• The back flippable suspended shelf track is for a separately specified Suspended Shelf Backer; the flippable track is inverted and reinstalled in the field to accept the Suspended Shelf Backer.

Flippable Shelf Track: Suspended Shelf Backer Application

For a Suspended Shelf Backer used with a shelf positioned below another shelf, specify the Non-Top Position (-U).

Tip
Suspended Shelf Backers not available for use on glass Suspended Shelves.
Workwall Suspended Shelf Backer: Product Relationships

A Workwall Suspended Shelf Backer may be used:

- In a Laminate or Wood Suspended Shelf Application

Backer requires specification of a Top or Non-Top location.

When a Suspended Shelf backer is used on the front side of a Suspended Shelf, a Sliding Door may be used on the back side of the Suspended Shelf if door track location is switched.

Between a Floor Supported Shelf and a Suspended Shelf to Fill a 16" High Opening.

Edge of Suspended Shelf Backer installs into Horizontal Stabilizer track.
**Workwall Suspended Shelf Backer: Product Relationships**

A Workwall Suspended Shelf Backer may be used:

- In a layered condition with Workwall and Suspended Shelf Backer.
A Workwall Suspended Shelf Backer may not be used:

- In a Glass Suspended Shelf Application

Note: Glass Suspended Shelves do not have flippable tracks to accommodate Suspended Shelf Backers or Sliding Doors.

- In a stacked condition to accommodate one shelf; Suspended Shelf Backer heights may not be stacked above each other to equal one shelf height.

- To vertically span more than one shelf configuration; a Suspended Shelf Backer may not vertically span multiple shelves.
Workwall Backer: Statement of Line

- Workwall Backers are for use in 22" Deep: Single-Sided or 42" Deep: Double-Sided Workwall applications. Available in four heights and three widths:
  - Heights: 44½", 60½", 76½", and 92½"
  - Widths: 72", 96", and 120"
- The catalog number for a Workwall Backer reflects the outside height.

24" Wide Segmented Backer
- Laminate
- Wood
- Glass

Half-Width Backer
- Two equal sized pieces
- Laminate only
Workwall Backer: Statement of Line

24" Wide Segmented Backer Option

- Laminate
- Wood
- Glass

<table>
<thead>
<tr>
<th>BACKER WIDTH</th>
<th>QUANTITY/ SIZE OF SEGMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>72&quot;</td>
<td>Three 24&quot; Segments</td>
</tr>
<tr>
<td>96&quot;</td>
<td>Four 24&quot; Segments</td>
</tr>
<tr>
<td>120&quot;</td>
<td>Five 24&quot; Segments</td>
</tr>
</tbody>
</table>

Vertical Trim Rails Standard in Anodized Matte

Tip: Glass Workwall Backers will have 1/8" gap between backer segments.

Half-Width Backer Option

- Two equal-sized segments
- Laminate only

<table>
<thead>
<tr>
<th>BACKER WIDTH</th>
<th>QUANTITY/ SIZE OF SEGMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>72&quot;</td>
<td>Two 36&quot; Segments</td>
</tr>
<tr>
<td>96&quot;</td>
<td>Two 48&quot; Segments</td>
</tr>
<tr>
<td>120&quot;</td>
<td>Two 60&quot; Segments</td>
</tr>
</tbody>
</table>

Vertical Trim Rails Standard in Anodized Matte

22" Deep: Single-Sided Workwall Backer

42" Deep: Double-Sided Workwall Backer

Back of Workwall

22" Deep: Single-Sided Workwall Backer

42" Deep: Double-Sided Workwall Backer

Back of Workwall

Back of Workwall

Back of Workwall

Back of Workwall
**Workwall Backer: Overview**

**Product Features:**
- The Workwall Backer is used to close the back of a 22" Deep: Single-Sided Workwall Shell or In-Line Workwall application. For a 42" Deep: Double-Sided Workwall Shell or In-Line Workwall application, the Workwall Backer acts as a center divider.
- Workwall Backers close the Workwall from the Horizontal to the Stabilizer and from Vertical to Vertical and match the Horizontal width.

**22" Deep: Single-Sided Workwall Backer Application**

**42" Deep: Double-Sided Workwall Backer Application**
Workwall Backer: Overview

Product Features:
- 24” wide segmented Workwall Backer option available in ¾” thick laminate or wood surface options; ½” glass surface option also available. Anodized side trim is included
- Half-Width Workwall Backer option available in laminate, only
- Workwall Backers close the Workwall from the Horizontal to the Stabilizer and from Vertical to Vertical and match the Horizontal width.
- The nominal Workwall Backer heights are specified to reflect the overall height of the Workwall application: 44½”, 60½”, 76½”, 92½”
- Widths: 72”, 96”, 120”

Specify a 22” deep Backer for a single-sided Workwall application, or 42” deep for a double-sided Workwall application. The top of the Workwall Backer attaches to the Horizontal’s structural beam in a Workwall Shell and the Horizontal Element’s structural beam in an In-Line Workwall application. Workwall Backers have designated applications because the beam profile and height is different for a 22” and a 42” deep application.

22” Deep: Single-Sided Workwall

42” Deep: Double-Sided Workwall

Workwall Backer depths are not interchangeable between 22” and 42” Deep Workwall applications. There is a 1” height difference between the structural beams.
Workwall Backer: Overview

Workwall Shell: Backer Option
• When specifying the Workwall Shell, selecting “yes” for the Backer option provides pre-drilled holes in the Verticals for installation of the Workwall Backer.

In-Line Workwall

In-Line Workwall: Backer Option
• When specifying the Vertical Elements in an In-Line Workwall, selecting “yes” for the Backer option provides pre-drilled holes in the Verticals for installation of the Workwall Backer.

Tip
Backers are not for use beneath Reference Top, Reference Return, or Portals.
**Workwall Backer: Overview**

**Wood Grain Direction**

- Workwall Backer wood veneer grain direction is vertical on the 24" wide segments.
- Workwall Stabilizer's wood veneer grain direction is horizontal.
Workwall Backer: Application

Designing with Backers

• The actual height of a Workwall Backer is 28½” less than the Workwall outside height.
• The Horizontal is 3” thick and the Horizontal Stabilizer is 25½” high.
• The Workwall Backer catalog numbers reflect the outside height of the Workwall which includes the 3” thick Horizontal and the 25½” high Workwall Stabilizer.

<table>
<thead>
<tr>
<th>WORKWALL OUTSIDE HEIGHT</th>
<th>WORKWALL BACKER ACTUAL HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>92½”</td>
<td>64”</td>
</tr>
<tr>
<td>76½”</td>
<td>48”</td>
</tr>
<tr>
<td>60½”</td>
<td>32”</td>
</tr>
<tr>
<td>44½”</td>
<td>16”</td>
</tr>
</tbody>
</table>

Use a Workwall Backer or a Full Height Tackboard on a 44½” or 60½” High Workwall Application

• If a fabric Tackboard is specified, a Workwall Backer is not necessary to close the back, specify double-sided Tackboard.
• Tackboard used as a Backer in a 22” deep application; specify (U).
• Tackboard used as a Backer in a 42” deep application; specify (T).

Note: Side trim is not included with Tackboards.

44½” High Workwall Application

• Laminate or Wood Workwall Backer or 16” High Fabric Tackboard

60½” High Workwall Application

• Laminate or Wood Workwall Backer or 32” High Fabric Tackboard

Tips

• Workwall Backer may be used adjacent to a Workwall Tackboard but both components are not necessary to close the Workwall back.
Workwall Backer: Application Guidelines

Designing with Backers

- Workwall Backer may only be used in a Workwall Shell or beneath a Horizontal Element in an In-Line Workwall application; not for use beneath Reference Top, Reference Return, or Portal for structural reasons.

Workwall Backers for use with:

- **Workwall Shell**

- **In-Line Workwall Application with Horizontal Elements**

Tip

- In a Workwall Shell application, specify the Backer option for pre-drilled installation holes in the Verticals.
- In an In-Line application, specify the Backer option on the Vertical Elements (for use with the Horizontal Element) for pre-drilled installation holes in the Verticals.

Workwall Backers NOT for use with:

- **Reference Top**

- **Reference Return**

- **Portal**

Tip

- In an In-Line Workwall application, specify the Backer option on the Vertical Elements (for use with Reference Top, Reference Return, or Portal) for pre-drilled installation holes in the Vertical.
Workwall Backer: Application Guidelines

Designing with Backers

• The Workwall Backer is used in a full height application because it attaches to the structural beam in the Horizontal or Horizontal Element and top rail of the Workwall Stabilizer. Due to the Workwall Backer’s structural requirements, a partial height Backer is not permitted.

![Workwall Backer](image1)

- Partial Height Workwall Backers Are NOT Permitted

A Workwall Glass Backer not recommended for use with a transparent glass Workwall Backer and Credenza Top if installed above 25”. The Credenza Top support brackets are visible through the glass when installed above 25” high.

![Credenza Top Support Brackets](image2)

- A Workwall Laminate or Wood Backer may be used in applications with Credenza Tops installed above 25”. Recommended Workwall Backer surface material is laminate or wood.

![Credenza top Support Brackets](image3)
Workwall Tackboard: Statement of Line

Workwall Tackboards are available in six widths and three heights. Heights: 16", 24", 32"; Widths: 36", 48", 60", 72", 96", and 120". Tackboards are fabric covered on both sides.

72" Wide Workwall
• Two-Piece Tackboard

One-Piece Tackboard Widths

Two-Piece Tackboard Widths

Note  Dimensions shown are nominal.
Workwall Tackboard: Overview

Product Details:
• 16", 24", and 32" high fabric Tackboards are upholstered on both sides.
• Tackboards 36", 48", and 60" wide consist of one piece; 72", 96", and 120" widths consist of two equal width pieces.
• ⅜" thick Tackboard provides tackable surface.
• Tackboard Actual Heights:
  - Top Position: 14⅝", 22⅝", 30⅝"
  - Non-Top Position: 15⅝", 23⅝", 31⅝"
• Attachment brackets are included; brackets require product specification for the Tackboard position and mounting option.

• Tackboard has a tackable substrate and is tackable on both sides; upholstered on both sides with the same pattern and colorway.
Workwall Tackboard: Positions

Tackboards are for use with Suspended Shelves, Floor Supported Shelf, and Credenza Top. Tackboards require specification for the position and the mounting option.

Tackboards may be used:

• Between a Workwall Horizontal and a Suspended Shelf or Between Two Suspended Shelves.

![Diagram of Horizontal Tackboard](image1)

Directly below the Horizontal in a Top Position

- A different mounting option is required for each application.
- Tackboard application is set back 2\(\frac{1}{4}\)" from edge.

![Diagram of Top Tackboard](image2)

Between Suspended Shelves in a Non-Top Position

• Between a Suspended Shelf and Floor Supported Shelf or between a Suspended Shelf and Credenza Top.

![Diagram of Suspended Shelf Tackboard](image3)

Credenza Top

- A different mounting option is required for each application.
- Tackboard application is set back 2\(\frac{1}{4}\)" from edge.

![Diagram of Credenza Top Tackboard](image4)

Tip: Tackboards not available for use on glass Suspended Shelves.
Workwall Tackboard: Suspended Shelf Application

Top and Non-Top Tackboard Application
- The back Suspended Shelf track is for a separately specified Tackboard; the flippable track is removed to accept the Tackboard. The track must be removed prior to installing Suspended Shelf.
- Specification of the Tackboard requires a position location; Top or Non-Top for appropriate installation hardware.

Tackboard Application: Flippable Shelf Track for Laminate or Wood Suspended Shelf

Tackboard in a Top Position

Horizontal Track for Tackboard in Top Position
- Horizontal track is included with specification option.
- (-T) Top Position Tackboard. Requires field drilled holes.

Tackboard Application: Flippable Shelf Track for Laminate or Wood Suspended Shelf

Back of Suspended Shelf

Back flippable track is removed to accept Tackboard.

Tackboard in a Non-Top Position

For a Tackboard used between two Suspended Shelves, specify the Non-Top Position (-U).

Tip
Tackboards not available for use on glass Suspended Shelves.
Workwall Tackboard: Mounting Options

Credenza Top Mounting Option
A Workwall Tackboard requires a mounting option to be specified. Two mounting options include: Credenza Top or Shelf; Floor Supported or Suspended Shelf. The Credenza Top option includes Tackboard, Mounting Rail, and Attachment Brackets for a Credenza Top application.

Tackboard located above a Credenza Top
• Specify (-C) for Credenza Top mounting hardware
• For single- and double-sided Workwall applications

22” Deep: Single-Sided Workwall

Tackboard mounting brackets are included for both single- and double-sided Workwall applications for a Credenza Top application. Brackets install into side of Stabilizer top rail to support Tackboard mounting rail.

22” Deep: Single-Sided Workwall

42” Deep: Double-Sided Workwall
Workwall Tackboard: Mounting Options

Floor Supported Shelf Mounting Option

Tackboard Located Above a Floor Supported Shelf
• Specify (-S) for a Shelf, Floor Supported Shelf, or Suspended Shelf application.
• For single- and double-sided Workwall applications.

22” Deep: Single-Sided Workwall

Floor Supported Shelf
FloorSupportedShelf's flippable track supports the bottom edge of the Tackboard; no additional hardware is required.

Tackboard Mounting Option: (-S) Shelf

Back flippable track is removed to accept Tackboard. Track must be removed prior to installing Floor Supported Shelf.
Workwall Tackboard: Top Position Applications

Full Height Tackboard Application in Top Position

22" Deep: Single-Sided Workwall — 44½" and 60½" Workwall Heights
- Full height Tackboard applications (from the Horizontal to the Stabilizer) are for use in 44½" and 60½" high Workwalls, only.

Horizontal Tracks
- A Workwall Tackboard and a Workwall Backer have separate horizontal tracks for installation purposes. A Tackboard requires a specification option; Top or Non-Top. The Top position must be specified to receive the horizontal track for a Tackboard when located directly below the Horizontal. For a Tackboard used below a Suspended Shelf specify the Non-Top position.
- In a 22" Deep: Single-Sided Workwall application, each Horizontal will accommodate one Tackboard in the Top position.

Horizontal Tracks Provide Optional Component Layering
- Horizontal tracks allow a Tackboard and Workwall Backer to be layered. A Workwall Backer located on the back of a 22" deep Workwall may be used with a Tackboard on the inside of the Workwall Backer.

Horizontal Track for Tackboard in Top Position
- Horizontal track is included with specification option (-T) Top Position for Tackboard. Requires field drilled holes.
- A glass Suspended Shelf may be used in this 60½" high application. The glass Suspended Shelf depth allows the Tackboard to clear the back of the Suspended Shelf. Not for use with laminate or wood Suspended Shelves.

Tips
- Top Position Tackboard is 1" shorter than Non-Top position and includes a 1" high horizontal mounting rail.
- A Tackboard and Suspended Shelf Backer utilize the same horizontal track position.
Workwall Tackboard: Top Position Applications

Full Height Tackboard Application in Top Position

42" Deep: Double-Sided Workwall — 44½” and 60½” Workwall Heights
• Full height Tackboard applications (from the Horizontal to the Stabilizer) are for use in 44½” and 60½” high Workwalls, only.

Horizontal Tracks
• In a 42" Deep: Double-Sided Workwall application each Horizontal will accommodate two Tackboards in the Top position.

Horizontal Tracks Provide Optional Component Layering
• Horizontal tracks allow a Tackboard and Workwall Backer to be layered. A Workwall Backer centered on a 42” deep Workwall may be used with a Tackboard on either side of the Workwall Backer.

Horizontal Track for Tackboard in Top Position
• Horizontal track is included with specification option (-T) Top Position for Tackboard. Requires field drilled holes.

Tips
• Top Position Tackboard is 1” shorter than Non-Top position and includes a 1” high horizontal mounting rail.
• A Tackboard and Suspended Shelf Backer utilize the same horizontal track position.
Workwall Tackboard: Application Planning

Full Height Tackboard Utilizing Workwall Backer Horizontal Track
- Full height Tackboard applications (from the Horizontal to the Stabilizer) are for use in 44½" and 60½" high Workwalls, only.
- 44½" and 60½" Workwall heights offer two options for positioning a Tackboard in a full height Tackboard application. In addition to the standard application utilizing the Tackboard Horizontal Track, the Workwall Backer Horizontal Track is an alternate option. There are no vertical light blocks next to the Vertical Ends when using a Tackboard in this mounting track.

22" Deep: Single-Sided Workwall — Tackboard Utilizing Workwall Backer Horizontal Track
- Specify (-U) Non-Top Position for Tackboard.
- The Tackboard is recessed 1" from edge of Vertical.

22" Deep: Single-Sided Workwall — Side Elevation
- Laminate, wood, or glass Suspended Shelves may be used in this application because the Tackboard is positioned in the Workwall Backer horizontal track which allows the tackboard to clear the Suspended Shelf.

Tip: Use double-sided Tackboard.

42" Deep: Double-Sided Workwall — Tackboard Utilizing Workwall Backer Horizontal Track
- Specify (-T) Top Position for Tackboard.
- The Tackboard is utilizing the Workwall Backer Horizontal Track which is centered within the Horizontal.

42" Deep: Double-Sided Workwall — Side Elevation
Workwall Tackboard: Application Planning

Full- and Half-Width Applications
Workwall Tackboards may be used in a Full- or Half-Width application. A Full-Width Tackboard application is the same width as the Suspended Shelf. A Half-Width Tackboard application is half the width of the Suspended Shelf.

Tackboards can be used:
• Between a Horizontal and a Suspended Shelf
• Between two Suspended Shelves
• Between a Suspended Shelf and a Floor Supported Shelf
• Between a Suspended Shelf and a Credenza Top

Full-Width Tackboards:
• 72" wide: two 36" pieces
• 96" wide: two 48" pieces
• 120" wide: two 60" pieces

Half-Width Tackboards:
• 36" wide (for use on 72" wide Workwall)
• 48" wide (for use on 96" wide Workwall)
• 60" wide (for use on 120" wide Workwall)

Tackboard Mounting Rail/Credenza Top Mounting Option

The horizontal Tackboard Mounting Rail used for a tackboard mounted directly above a Credenza Top is dimensioned for a Full-Width Tackboard application. For a Half-Width Tackboard application specify the Tackboard half the width of the Suspended Shelf.

Horizontal Tackboard Track/Top Position

The horizontal Tackboard Track used for a Tackboard mounted directly below a Horizontal is dimensioned for a Full-Width Tackboard application. For a Half-Width Tackboard application specify the Tackboard half the width of the Suspended Shelf.

Tip
Half-Width Tackboards may be horizontally repositioned after installation.
Workwall Backer: Tackboard Product Relationships

In a Glass Workwall Backer Application

22" Deep: Single-Sided Workwall
Workwall Backer: Tackboard Product Relationships

A Workwall Tackboard may NOT be used:

- **In a Layered Application with a Suspended Shelf Backer**
  - Tackboards and Suspended Shelf Backers may not be used back-to-back in a layered condition. Because both components utilize the same Suspended Shelf flippable track, they may not be mounted in the same position.

- **In a Glass Suspended Shelf Application**
  - Glass Suspended Shelves do not have flippable tracks.

- **In a Laminate or Wood Suspended Shelf Application**
  - To vertically span more than one shelf configuration.
  - A Tackboard may not vertically span multiple Suspended Shelves.
Workwall Task Lights: Statement of Line

Workwall Task Lights are available with or without a Mounting Channel. The initial product application to be specified with the mounting channel. A 35" wide Task Light is included with the mounting channel.

Individual Task Lights without mounting channel are available to increase the light output, if needed. The additional Task Light is installed in the initially specified mounting channel. Additional Task Lights are separately specified.

Task Light with Mounting Channel
- Mounting Channel available in three widths: 72", 96", and 120".
- Mounting Channel 1" high x 2" deep; includes mounting hardware.
- Mounting Channel standard in Plaster finish color; available in Metallic colors.
- Task Light available with 6 foot long white non-handed cord and 15 amp plug.
- T-5 Lamp with Diffusing Lens.
- Standard with 35" wide Task Light.

Task Light without Mounting Channel
- Includes Task Light, only.
- Use for increased light output; installs into the Mounting Channel with Task Light.
- Mounting Channel must be removed from Workwall to install additional Task Light.
- Includes daisy chain coupler for add-on task light.
- T-5 Lamp with Diffusing Lens.

Lamp Wattage

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>WATTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>23&quot;</td>
<td>14W</td>
</tr>
<tr>
<td>35&quot;</td>
<td>21W</td>
</tr>
<tr>
<td>47&quot;</td>
<td>54W</td>
</tr>
<tr>
<td>59&quot;</td>
<td>80W</td>
</tr>
</tbody>
</table>
Workwall Task Lights: Statement of Line

Task Lights for use:

Beneath Suspended Shelf

Mounting Channel and 35" Wide Task Light

- Laminate or Wood Suspended Shelf
- Specify the Task Light with Mounting Channel to match Horizontal or Suspended Shelf width.
- 35" wide Task Light is adjustable side-to-side within the full width Mounting Channel

Beneath Horizontal

Mounting Channel and 35" Wide Task Light

- Glass Suspended Shelf
- Mounting Channel installs beneath surface. Requires field drilling. Excess cord may be stored in Mounting Channel.
- Plate secures cord within the Mounting Channel; included with Mounting Channel.

Task Light not available for use beneath a Glass Suspended Shelf.

Tips
- For use with 120 volt 60 hertz electrical systems, only.
- Separately specified Task Lights Without Mounting Channel may not be used in stand-alone applications; requires Mounting Channel.
- In a 92" high Workwall application, Task Light mounted from Horizontal requires desk height power due to cord length.
Workwall Cord Management: Vertical Wire Manager and Grommet

Workwall Vertical Wire Manager
- Workwall Wire Manager is available in three heights. Used to vertically conceal Task Light cord. Field installs onto Vertical.
- Two piece aluminum vertical Wire Manager consist of retainer and removable cover; standard in Anodized Matte.
- Outside dimensions: $\frac{1}{16}"$ deep x $1\frac{3}{4}"$ wide.
- Inside dimension: $\frac{3}{16}"$ deep x $1\frac{3}{8}"$ wide.
- Retainer installs onto Vertical insert pins; cover snap fits into retainer.
- Vertical Wire Manager may be field cut as needed.

![Diagram of Vertical Wire Manager](image)

Workwall Grommet for Suspended or Floor Supported Shelf
Shelf Grommets allow the cord to pass through shelves. Wire Manager and Shelf Grommet are separately specified.

![Diagram of Shelf Grommet](image)

Tips
- Workwall Backer or Suspended Shelf Backers are recommended when using with Vertical Wire Manager.
- Shelf Grommet not for use with a Glass Suspended Shelf. Shortened depth of glass shelf allows for cord management without grommets.

Note
- 2" diameter grommet requires $1\frac{3}{4}"$ field drilled hole; 3" diameter requires $2\frac{3}{4}"$ field drilled hole.
Workwall Wall Mount: Application Planning

A Workwall Wall Mount attaches a Compose Panel Frame with or without Stack Frame to the Workwall Vertical.

**Vertical End: Wall Mount Application**
- Wall Mount includes hardware for mounting Compose Panel Frame with or without Stack Frame to the Patterns Workwall Vertical End Trim.
- Workwall Vertical End Trim requires field drilling for panel installation.
- Installation of the Wall Mount will deface Workwall Vertical End Trim; for product reconfigurations separately specify Vertical End Trim as needed.
- Not for use with Glass Panel or Glass Stack.

---

**Workwall-to-Compose Panel Height Relationships in a Wall Mount Application**

<table>
<thead>
<tr>
<th>WORKWALL VERTICAL HEIGHT</th>
<th>FOR USE WITH COMPOSE PANEL HEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>44½&quot;</td>
<td>34” – 42”</td>
</tr>
<tr>
<td>60½&quot;</td>
<td>34” – 58”</td>
</tr>
<tr>
<td>76½&quot;</td>
<td>34” – 74”</td>
</tr>
<tr>
<td>92½”</td>
<td>34” – 90”</td>
</tr>
</tbody>
</table>

**Tip**
For a Compose Glass Panel use a Glass Wall Mount which includes an attachment channel and hardware.

**Notes**
- Nominal panel heights shown; actual panel height is ½” less.
- Power may be routed through a Workwall Vertical to a Compose Panel Frame or vice-versa; refer to the Power and Communication section for details (Exception: Power may not be routed through a 34” high Compose Panel Frame or Glass Panels).
Workwall Wall Mount: Application Planning

A Panel may not be used in a Wall Mount Application if higher than the attached Vertical.

With Stack  
Without Stack
Workwall Wall Mount: Application Planning

A Compose Panel may be attached to the side of a Workwall Vertical in a flush condition. This may not be a preferred wall mount application because the Vertical surface will be defaced rendering it inappropriate for reconfiguration purposes.

Vertical Side: Wall Mount Application
- Compose Panel Frame may be wall mounted to the side of a Vertical in a flush condition; surface material will be defaced.
- Workwall-to-panel height relationship apply to this condition; see Vertical End: Wall Mount for guidelines.
- Not for use with Glass Panel or Glass Stack.
- Does not allow for power to pass through Panel Frame or Vertical.

Panel Frame is Flush to End of Vertical

Panel Frame Not Flush to End of Vertical
(contact Haworth Sales Engineering for feasibility)

Note If the Panel Frame needs to be positioned in a condition other than flush to the end of Vertical, field supplied hardware is required. Contact Haworth Sales Engineering for application feasibility.

Glass Stack: Wall Mount Application
- For Compose panel configurations with a Glass Stack to a Workwall Vertical, separately specify a Tie Bracket Kit, Compose Glass Stack (VZCQ-0000). This kit will support a 16” or 24” high Glass Stack in a Wall Mount application.
- Workwall-to-Panel height relationship applies to Glass Panel Stack applications; see Vertical End: Wall Mount for guidelines.

Vertical Side: Wall Mount Application

Vertical End: Wall Mount Application

Tip For a Compose Glass Panel use a Glass Wall Mount which includes an attachment channel and hardware.
Workwall Wall Mount: Application Planning


Vertical End: Wall Mount Application

- Glass Wall Mount includes Wall Mount Channel and hardware for mounting Compose Glass Panel to the Patterns Workwall Vertical End Trim.
- Workwall Vertical End Trim requires field drilling for panel installation.
- Installation of the Glass Wall Mount will deface Workwall Vertical End Trim; for product reconfigurations separately specify Vertical End Trim as needed.
- Not for use with Compose Panel Frame, Glass Stack, or Non-Glass Stack.

☑ Workwall-to-Compose Glass Panel Height Relationships in a Wall Mount Application

<table>
<thead>
<tr>
<th>WORKWALL VERTICAL HEIGHT</th>
<th>FOR USE WITH COMPOSE GLASS PANEL HEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>44½&quot;</td>
<td>42&quot;</td>
</tr>
<tr>
<td>60½&quot;</td>
<td>42” – 58”</td>
</tr>
<tr>
<td>76½” or 92½”</td>
<td>42” – 74”</td>
</tr>
</tbody>
</table>

Tips
- Compose Glass Panel may be used in a Vertical Side: Wall Mount application; Compose Panel Frame application guidelines apply.
- Glass Wall Mount not for use with Compose Panel Frame, Glass Stack, or Non-Glass Stack.

Notes
- Nominal panel heights shown; actual panel height is ½” less.
- Power may not be routed through Compose Glass Panel. Refer to the Power & Communication section for details.
A Glass Panel may not be used in a wall mount application if higher than the attached Vertical.

Glass Panel

Note: Add-on Stack not for use on a Compose Glass Panel.
**Studio Table: Introduction**

The Studio Table’s multifunctional uses meet a wide variety of open plan applications.

With a wide array of size offerings, the Studio Table may be used as a continuous meeting surface in the form of an interactive conference table or it may be used as a scaled down single worktop for a touch down area.

The Studio Table may also be a dedicated workspace when used in a Studio Desking application. By adding a Patterns Rectangular Convergent to form an L- or U-Shaped workspace application. Studio Desking may be used as an open plan alternative to a panel-based environment.

**Studio Table Applications**

- **Conference Table**
- **Touch Down**

![Conference Table Touch Down](image)

**Studio Desking**

- **Rectangular Convergent**

**Tips**

- Refer to the Application Guideline section for Studio Table product guidelines for the above applications.
- Tailored product solutions are available to accommodate architectural needs. Studio Tables existing dimensions may be modified in 1/8" increments providing the functionality and aesthetic properties of Patterns original design is not altered. For access to an electronic design tool to support a tailored product application contact your supplier for availability and user information.
Introduction to Patterns Studio Table product terminology is shown below.
Studio Table: Statement of Line

Studio Tables are available in 30” and 63” depths. The 63” depth is comprised of two 30” deep back-to-back Studio Tables and a 3” gap to allow for top feed modules and/or Privacy Screens.

Studio Tables are available in six standard widths. Widths less than 153” include a single horizontal top and two vertical ends.

Front Elevation

<table>
<thead>
<tr>
<th>Outside Dimensions</th>
<th>Outside Dimensions</th>
<th>Outside Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>78”</td>
<td>102”</td>
<td>126”</td>
</tr>
<tr>
<td>72”</td>
<td>96”</td>
<td>120”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inside Dimensions</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Outside Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>153”</td>
</tr>
<tr>
<td>147”</td>
</tr>
<tr>
<td>72”</td>
</tr>
<tr>
<td>72”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inside Dimensions</th>
</tr>
</thead>
</table>

Notes: Widths 153” and greater include a vertical mid-support in addition to the two Vertical Ends. These widths also include two equally dimensioned horizontal tops.

Tip: Studio Tables (app-03)
**Studio Table: Product Features**

**Product Overview**
- 3” thick Horizontal and Vertical Ends; available in laminate or wood
- 30” or 63” depths

**Two Power Locations:**
- Desk Height Power
  - Horizontal Top: one or two cutout locations per horizontal top
- Base Height Power
  - Vertical End/Base Access

**Power Options:**
- Non-powered
- Single Circuit with cord
- 3-Circuit, 8-Wire
- 4-Circuit, 8-Wire
- Hardwire

---

**Desk Height Power Application**

Specify power location “H” or “L” for power access cutouts.

Vertical End/Base Access Door is included with 3-Circuit, 4-Circuit, and Hardwired power options. (No receptacles or communication)

**Tips**
- Choose power location options “H” or “L” for one or two cutouts per horizontal top to accommodate desk height power and communication needs.
- A single circuit power application with cord and plug (Power Option 1) must be used at the desk height power location.

---

**Base Height Power Application**

Optional base power cutouts with receptacles and communication.

**Tips**
- Studio Table power is accessible at desk height within the horizontal top or at base height within the vertical ends but is not specifiable with both access locations in the same table.
- A non-powered Studio Table will not have cutouts in the horizontal top or vertical ends.
Studio Table: Product Features

Studio Tables only attach to convergent worksurfaces or other conferencing type worksurfaces to create a Studio Desking application.

Use Studio Tables with a convergent or a conferencing worksurface for a Studio Desking application.

Tip

Worksurface thicknesses and profile; 1½” or 2”. For additional information refer to the Patterns Price List.

A Studio Table may be used:
- To support a Storage Box
- With a Straight Privacy Screen

Do not use a Studio Table:
- To support a Workwall
Studio Table: Product Features

Studio Tables do not link together to form a continuous work table application. Specify the appropriate table width and depth for your application needs.

For a cleaner aesthetic use a wider Studio Table which is designed for a multiple user application.

Studio Tables are designed for a single or for multiple users. For a multiple user application, the maximum seating capacity is approximately 16 users for the 243” wide Studio Table.

Tip: The maximum seating capacity of Studio Table is dependent upon the actual chair width in relationship to the location of the vertical supports; space plan accordingly.
**Studio Table: Product Relationships**

**Below-Worksurface Storage**
The height of the Studio Table was designed to work with the Patterns Series storage and X Series mobile pedestal box/file drawer configurations. Storage units must be less than 26” high to fit under a Studio Table.

Either Patterns or X Series mobile box/file pedestals can be used in a Studio Table application.

Haworth suspended, attached, or box/box/file mobile pedestals are not for use with the Studio Table.

**Seating**

When selecting your seating remember to consider the arm height of the chair. Select a chair with a fixed or adjustable arm height less than 26” high to clear the underside of the Studio Table.
**Adjustable Keyboard Pads (AKPs)**

AKP models which extend above the Studio Table horizontal top may be used.

AKPs are not recommended for use with Studio Tables due to the 26” clearance height. In this application the AKP will not provide an acceptable knee space clearance.

Worksurfaces 1\(\frac{3}{8}\)" thick provide an appropriate knee space clearance below the worksurface for an AKP application. In Studio Desking applications, consider locating the AKP on the convergent worksurface.
Studio Table: Application Guidelines

Convergent or conferencing worksurfaces in a Studio Table Desking application require separately specified support elements from Support Group A or Group B. Z Brackets are required; refer to the Worksurface section for details.

Group A Support Elements

Group B Support Elements

Z-Bracket
• Required for attaching Convergent Worksurface to the Studio Table.

Note 36" wide Convergent Worksurface requires two Z-Brackets.

Rectangular Convergent
• When using a Rectangular Convergent worksurface in a Studio Desking application separately specify a support element from Group A or B, as well as Z Brackets. Horizontal Key requires support from Group B.

Note Separately specified Worksurface Reinforcement Channels are required for unsupported convergent worksurface spans greater than 50".
Studio Table: Power Management

Patterns Power Overview
Patterns Studio Tables Base Height Power application may be Non-Powered, 3-Circuit, 4-Circuit, or Hardwire.

Non-Powered option consists of the following:
• No power capabilities. There are no internal cable routing channels; no utility cutouts or power access openings. Field retrofitting to a powered application is not recommended.

3-Circuit Power option consists of the following:
• Three Hots
• Three Neutrals
• One Ground Wire
• One Isolated Ground

4-Circuit Power option consists of the following:
• Four Hots
• Two Neutrals
• One Ground Wire
• One Isolated Ground

Hardwire Power option consists of the following:
• Field supplied wire or conduit.

Patterns Studio Tables Desk Height application may be 3-Circuit, 4-Circuit, Hardwire, or Single Circuit.

Single Circuit power for Desk Height location, only: consist of the following:
• Cord with Plug

3-Circuit, 4-Circuit, and Hardwire Studio Table Applications
• May have either Vertical Base or Desk Height power and communication access; both utility access locations are not available in the same Studio Table unless field retrofitted.
• Base Height power applications include a junction box, 15 amp Decora duplex receptacles and Decora wall plate at the vertical base utility access location.
• Desk Height power applications include a junction box with blank access cover — no receptacles at the vertical base. Power location (H) or (L) provide factory installed cutout(s) in the horizontal top for separately specified Flip Top Unit(s).
• Desk Height power applications require a user specified circuit designation for the Flip Top Unit.
• Base Height power applications require receptacle circuit designation to be field wired by an electrician; factory wired to circuit one.
• Require a separately specified power infeed module.
• Decora Data access covers must be field supplied.
• For use with 120 volt, 60 hertz power sources.
• Power applications should be reviewed by local authority prior to ordering.

3- and 4-Circuit Studio Table Applications
• Provide internal channels and modular vertical harnesses and modular jumper(s), and circuit distributors for routing power.
• The modular electrical harnesses are factory installed.
• The modular electrical jumper(s) require field installation.

Hardwire Studio Table Applications
• Provide internal channels for field supplied wires and conduit for routing power.

Single Circuit Studio Table Applications
• Available only with Desk Height power.
• Power location (H) or (L) provide factory installed cutout(s) in the horizontal top for separately specified Flip Top Unit(s).
• Do not have internal cable routing channels.
• For use with 120 volt, 60 hertz power sources.
Studio Table: Product Details

Glide Sleeve
The glide sleeve detail is located at the bottom of each Vertical.

The internal glide sleeve telescopes up into the Vertical and provides access to the leveling glides. Two leveling glides are provided with each Vertical and provide 1\(\frac{1}{2}\)" adjustment range.

The internal sleeve has break-away sections for field modification. Removing sections allow for routing power and communication from the building to the Vertical internal channel.

Routing Power
- Power and communication may be routed directly through the bottom of the Vertical. The access opening is 3.75" x 1.75".

Top View: 30" Deep Studio Table
- Power and communication opening in the bottom of a 30" deep Vertical.

Top View: 63" Deep Studio Table
- Power and communication openings in the bottom of the 30" deep back-to-back Verticals.
Studio Table: Utility Access Locations

**Base Height Power and Communication**
- Vertical/Base Access Door with receptacles and communication ports is included with 3-Circuit, 4-Circuit, and Hardwire power options.

**30” Deep Vertical End**
- Vertical Base Utility Access located on the inside of the Vertical End.

**30” Deep Vertical Mid Support**
- Vertical Base Utility Access located on the both sides of the Vertical Mid-Support.

**Power Location:**
- Option (R) Base Height

**Power Option:**
- (3) 3-Circuit
- (4) 4-Circuit
- (C) Hardwire

**Note** A 63” deep Studio Table has double the number of utility access locations than a 30” deep same width Studio Table because it has twice as many Vertical Ends and/or Vertical Mid-Supports.

**Desk Height Power and Communication**
- Cutout(s) are factory installed for separately specified Flip Top Unit(s).
- Cutout accommodates a 11 1/4” wide x 4 3/8” deep Flip Top Unit (separately specified).

**Power Location:**
- Option (H) One Cutout per Horizontal Top
- Option (L) Two Cutouts per Horizontal Top

**Power Option:**
- (1) Single Circuit
- (3) 3-Circuit
- (4) 4-Circuit
- (C) Hardwire

**Note** Flip Top Units are available in multiple sizes to accommodate various receptacle and communication configurations. The ( EQE1-00000-33 ) Flip Top Unit for 3-Circuit, 4-Circuit, or hardwire applications is dimensioned to fit the Studio Table factory installed cutout. The Flip Top Unit is available in four power options. Specify the appropriate power function to reflect the Studio Table power option.
Studio Table: Power Options

**Non-Powered Option**

- Specify power option (N) for a non-powered application; no receptacles or communication ports.
- For power option (N) there are no internal Power and Communication routing channels, utility access locations, or power access openings in the Studio Table.
- Field retrofitting to a powered application is not recommended.

**Power Option:**

- (N) None

**Power Location:**

- (N) None

**Power Access Location:**

- None

30" Deep Studio Table

63" Deep Studio Table
Studio Table: Power Options

3- and 4-Circuit Power Options: Vertical Base Height
- Specify Power Option (3) or (4) with Power Location (R) for base height receptacles and data ports.
- Studio Table includes internal channels for routing power and communication.
- Power harnesses and jumper are included allowing same circuit connections with modular connectors.
- Junction Box connections to be hardwired.

Base Height Utility Access Location includes:

30” Deep Studio Tables
78”, 102”, and 126” wide with power location (R) includes:
- Four base height duplex receptacles
- Two data ports with blank covers

153”, 201”, and 249” wide with power location (R) includes:
- Eight base height duplex receptacles
- Four data ports with blank covers

63” Deep Studio Tables
78”, 102”, and 126” wide with power location (R) includes:
- Eight base height duplex receptacles
- Four data ports with blank covers

153”, 201”, and 249” wide with power location (R) includes:
- Sixteen base height duplex receptacles
- Eight data ports with blank covers

Tips
- Vertical Base Height power is not available as a single circuit application.
- Widths shown are outside dimensions.
Studio Table: Power Options

Hardwire Power Option: Vertical Base Height
- Specify Power Option (C) with Power Location (R) for vertical base height receptacles and communication ports.
- Studio Table includes internal channels for routing power and communication.
- Power harnesses and jumpers are not included.
- Requires field supplied conduit and wire.

Base Height Utility Access Location includes:

Note: Shipped unassembled for field installation by licensed electrician.

30" Deep Studio Tables
78", 102", and 126" wide with Power Location (R) includes:
- Four base height duplex receptacles
- Two data ports with blank covers

153", 201", and 249" wide with Power Location (R) includes:
- Eight base height duplex receptacles
- Four data ports with blank covers

63" Deep Studio Tables
78", 102", and 126" wide with Power Location (R) includes:
- Eight base height duplex receptacles
- Four data ports with blank covers

153", 201", and 249" wide with Power Location (R) includes:
- Sixteen base height duplex receptacles
- Six data ports with blank covers

Tip: Widths shown are outside dimensions.
**Studio Table: Power Options**

**3- and 4-Circuit Power Options: Desk Height**
- Specify Power Option (3) or (4) with Power Location (H) or (L) for Vertical Desk Height receptacles and communication ports.
- Desk height power and communication access is located in the horizontal top through a separately specified Flip Top Unit.
- Specify Power Location (H) for one Flip Top Unit cutout or (L) for two cutouts in the horizontal top. Each cutout will accommodate a separately specified Flip Top Unit.
- Power harnesses and jumper(s) are included allowing some connections with modular connectors; remaining connections are hardwired.

**Vertical End Base Utility Location includes:**

**Flip Top Unit**
- Separately specify a Flip Top Unit for each cutout. 3- or 4-Circuit unit includes conduit with a modular connector for attachment to the horizontal electrical jumper.

**Power Location (H)**
- One cutout in horizontal top

**Power Location (L)**
- Two cutouts in horizontal top

3- or 4-Circuit Power Option with Power Location (N - none) is not a valid power selection; for a desk height 3- or 4-Circuit power application, power option (3 or 4), must be specified with (H) for one cutout or (L) for two.

**Note** 63” deep Studio Table has blank access door at one end.
## Studio Table: Power Options

### Hardwire Power Option: Desk Height
- Specify Power Option (C) and Power Location (H) or (L) for Vertical Desk Height receptacles and communication ports.
- Desk height power and communication access is located in the horizontal top through a separately specified Flip Top Unit.
- Specify Power Location (H) for one Flip Top Unit cutout or (L) for two cutouts in the horizontal top. Each cutout will accommodate a separately specified Flip Top Unit.
- Power harnesses and jumper(s) are not included; requires field-supplied conduit and wire.

### Vertical End Base Utility Location includes:

- **Blank Access Door**
- **Junction Box**
- **Bezel with Blank Cover**

### Flip Top Unit
- Separately specify Flip Top Unit for each cutout. Hardwire unit includes conduit for field installation.

### Power Location (H)
- One cutout in horizontal top

### Power Location (L)
- Two cutouts in horizontal top

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### Tips
- Hardwire Power Option with Power Location (N - none) is not a valid power selection; for a desk height hardwire power application, power option (C), must be specified with (H) for one cutout or (L) for two cutouts.
- Wire management is available; refer to price list.

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- 63" deep Studio Table has blank access door at one end. Vertical mid-support does not have a blank access door. Not for use with power infeed module.
Studio Table: Power Options

Single Circuit Power Option: Desk Height
- Specify Power Option (1) Single Circuit and Power Location (H) or (L) for Vertical Desk Height receptacles and communication ports.
- For Single Circuit power option (1) there are no internal Power and Communication routing channels, utility access locations, or power access openings, power harnesses or jumpers in the Studio Table.
- Desk height power and communication access is located in the horizontal top through a separately specified Flip Top Unit with cord.
- Specify Power Location (H) for one Flip Top Unit cutout or (L) for two cutouts in the horizontal top. Each cutout will accommodate a separately specified Flip Top Unit with cord.
- Field retrofitting to a 3- or 4-Circuit powered application is not recommended.

Flip Top Unit
- Separately specify Flip Top Unit with cord for each cutout. Single circuit unit includes a 12' long 15 amp cord with plug.

Power Location (H)
- One cutout in horizontal top

Power Location (L)
- Two cutouts in horizontal top

Non-Powered Horizontal and Verticals.

Tip
Single Circuit Power Option with Power Location (N - none) is not a valid power selection; for a desk height single circuit power application, power option (1), must be specified with (H) for one cutout or (L) for two cutouts.
**Studio Table: Power Options**

**Desk Height Power: Cutout Locations for Flip Top Unit**
Each horizontal top includes one factory installed cutout when Power Location (H) is specified. The cutout is centered within the width of the horizontal top. The cutout is positioned 2” from the back edge of the horizontal top. Each cutout requires a separately specified Flip Top Unit.

**Flip Top Unit (separately specified)**
- Flip top unit includes three 15 amp rated simplex receptacles and three data information access ports.
- Includes blank data covers and data jack adapter.

**Tip**
The Studio Table, Workwall or File Enclosure Reference Top, and Reference Return Flip Top Unit cutout dimensions are not the same as the Bench Flip Top Unit cutout dimension; not interchangeable between product categories.

**Power Location Option (H) One Cutout: Plan View**

![Plan View Diagram]

Inside Width
- 36" 36" 36" 36"
- 72"
- 96"
- 120"
- 30" Deep

Outside Width
- 78"
- 102"
- 120"
- 63" Deep

Inside Width
- 36" 36" 36" 36"
- 147"
- 195"
- 30" Deep

Outside Width
- 153"
- 201"
- 63" Deep

Inside Width
- 60" 60" 60" 60"
- 243"
- 30" Deep

Outside Width
- 249"
- 63" Deep
Studio Table: Power Options

Desk Height Power: Cutout Locations for Flip Top Unit
Each horizontal top includes two factory installed cutouts when Power Location (L) is specified. The centerline of each cutout will be located one quarter distance of the width of the horizontal top. The cutouts are positioned 2" from the back edge of the horizontal top. Each cutout requires a separately specified Flip Top Unit.

Power Location Option (L) Two Cutouts: Plan View

Note Flip Top Units are available in multiple sizes to accommodate various receptacle and communication configurations. The (EQE1-0000-33) Flip Top Unit for 3- or 4-Circuit or hardwire applications is dimensioned to fit the Studio Table factory installed cutout. The Flip Top Unit is available in four power options. Specify the appropriate power function to reflect the Studio Table power option.
Studio Table: Power Options

Desk Height Power: Product Details

30” Deep Studio Desk with Desk Height Power
• All verticals in a 3-Circuit, 4-Circuit, or a hardwire 30” deep Studio Table with desk height power include a junction box for connection to the base feed power module which routes power from the building power source.

63" Deep Studio Desk with Desk Height Power
• A 3-Circuit, 4-Circuit, or a hardwire 63" deep Studio Table with desk height power is a handed power application. Only one end of the Studio Table application has Vertical Base Blank Access Doors with junction boxes to accommodate power feed module(s).
• To route power from the building power source through the power accessible Vertical end rotate the Studio Table application as needed.

- Left-Hand
- Vertical Base
- Power Access

- Right-Hand
- Vertical Base
- Power Access

Note: All Verticals Ends and Vertical Mid-Supports in a 3-Circuit, 4-Circuit, or a hardwire Studio Table without desk height power have base height utility access locations which include a junction box and receptacles.
Patterns power components are designed to address three functions:

1. **In**: Power distribution from building to Studio Table.

The graphic below depicts a desk height 3- or 4-Circuit Studio Table power application. Use this graphic to become familiar with some of the Studio Table electrical components, internal channels, and terminology.
• Power applications should be reviewed by local authority prior to ordering.

**Vertical harness, horizontal harness, and circuit distributor included with 3- and 4-Circuit power applications.**

*Note*  Junction Box assembly includes: Communication Bracket, Mud Ring, Decora Receptacles, and Decora Communication Plate.
Studio Table: Power Management

1. **In: Base Feeds**
   Standard Base Feed module supplies building power from the floor, wall, or column.

**Base Feed Module available options:**
- Standard Base Feed for 3- and 4-Circuit includes conduit connection.
- Standard Base Feed for Hardwire connection with field supplied wires.
- Quick Connection for 3- and 4-Circuit and Power Base AI system beneath the raised floor.

**Standard Base Feed Module**
- The Standard Base Feed for 3- and 4-Circuit applications include a 72” long ½” diameter Liquid Tight conduit, 8-Wire, and conduit fittings for connection to the junction box at base of Vertical. The conduit enters the Vertical through the glide sleeve cable access to the base height junction box for both the desk height and base height power applications. There is an exposed 4’ section of conduit which extends from the glide sleeve. An optional base feed cover is available for this condition, if desired. Base feed attachment hardware is field supplied.
- The Standard Base Feed for Hardwire applications include 72” long ½” diameter Liquid Tight conduit. Wires to be field supplied.

**3- and 4-Circuit Applications**

**30” Deep Studio Table**
- In a 30” deep Studio Table non-Flip Top Unit application, one Standard Base Feed module is required. Power entry may be located at either Vertical End or Mid-Support Vertical.
- In a 30” deep Studio Table Flip Top Unit application, one Standard Base Feed module is required. Power entry may be located at either Vertical End.

**63” Deep Studio Table**
- In a 63” deep Studio Table non-Flip Top Unit application, two Standard Base Feed modules are required. One for each side of the application. Power entry may be located in Verticals positioned back-to-back or in staggered Vertical locations per each side of the application.
- In a 63” deep Studio Table Flip Top Unit application, two Standard Base Feed modules are required. One for each 30” deep Vertical End on the handed power end of the Studio Table application.

**Base Feed Cover**
The two piece Base Feed Cover is an option available for aesthetic purposes. It covers the exposed base feed conduit and communication cables when the building power supply is within the floor. The base feed cover is an applicable option for the Standard Base Feed Module in 3-Circuit, 4-Circuit, and Hardwire power applications.
- 72” long x 4” wide x 1¼” high aluminum cover may be field cut to length as needed.
- Standard in Metallic Champagne.

**Tip**
Standard Base feed (EQEB-) is for use with Studio Table, Workwall, File Enclosure, and Bench.
Studio Table: Power Management

1. In: Base Feeds

Power Base Al Base Feed Module
Power Base Al Module Base Feed is for use with raised floors equipped with Power Base Al modular power. The Power Base Al feed for 3- and 4-Circuit applications includes a flexible metal conduit with modular connector and conduit fitting for connection to the junction box at the base of the Vertical. The conduit enters the Vertical at the base height junction box and exits from under the glide sleeve of the Vertical.

Base Height Power

Internal Glide Sleeve Detail

The sleeve telescopes up into the Vertical and provides access to the leveling glides. Two leveling glides are provided with each Vertical and provide 1½” adjustment range.

The internal sleeve has break-away sections for field modification. Removing sections allows for routing power and communication from the building to the Vertical internal channel.

Critical dimensions for Base Feed Module application:
• Cables may be routed directly through the bottom of the Vertical.
• The access opening is 3.75” x 1.75”.
• Access openings accommodate base feed module type EQEB (3-Circuit, 4-Circuit, Hardwire, and Power Base Al options).

Top View

30” Deep Studio Table
Power and communication opening in the bottom of a 30” deep Vertical. One Al Base Feed required.

63” Deep Studio Table
Power and communication openings in the bottom of the 30” deep back-to-back Verticals. Two Al Base Feeds required; refer to Standard Base Feed for information.
Studio Table: Power Management

1. **In: Base Feeds**

**Studio Table Base Feed Module**
The Studio Table base feed module (TQEB-) is another power infeed option. This base feed module is for use with the Studio Table, only. There are two versions available for either a 30” or 63” deep Studio Table.

Studio Table Base Feed module available options:
- 3- and 4-Circuit includes conduit connection
- Hardwire connection with field supplied wires

The Studio Table base feed module for 3- and 4-Circuit applications include 4” wide x 2” deep x 26” high vertical cover and a modular harness. The modular harness is made of 12’ long ½” diameter flexible conduit, 8-Wire, and conduit fittings.

The building power is carried up through the modular harness within the vertical cover into the Studio Table’s internal channel and connects to the circuit distributor. The circuit distributor routes the power down the vertical harness to the junction box.

3-Circuit, 4-Circuit, and hardwire require field drilling the bottom of the Studio Table top. Depending on the location of the building power source there may be an exposed section of conduit which extends from the bottom of the vertical cover to the building power source. An optional base feed cover is available for this condition. Base feed cover attachment hardware is field supplied.

**Studio Table Base Feed Module for a 30” Deep Studio Table**
The 12’ long Vertical Harness conduit allows the Studio Table Base Feed (TQEB-) to be horizontally positioned anywhere beneath the back edge of the horizontal top to access the building power source.

**3- and 4-Circuit Application**

TQEB-2930

*Note* In a Flip Top Unit application the Studio Table Base Feed Module may not be located beneath the Flip Top Unit.
**Studio Table: Power Management**

1. **In: Base Feeds**  
   **Studio Table Base Feed Module for a 63” Deep Studio Table**
   - The two 12’ long modular Vertical Harness conduits allow the Studio Table Base Feed to be horizontally positioned anywhere beneath the back edge of the horizontal tops to access the building power source. The Vertical Harness conduits must be positioned in a back-to-back condition between the Studio Tables horizontal tops to access the T-Shaped Vertical Cover.

**3- and 4-Circuit Application**

**TQEB-2963**

- Modular Vertical Harness's (2) 12' long sections of conduit routes power from the building and is housed in the vertical cover.
- Slot allows 1.75" height adjustment.
- Glide Sleeve
- Cutout in bottom of the glide sleeve cover allows access to the building power.

- 12” minimum distance recommended from Vertical to Studio Table Base Feed Vertical Cover.
- Modular Jumper(s) is included with the Studio Table 3- or 4-Circuit power option.
- Circuit Distributor
- (2) 12’ flexible conduit sections (Modular Vertical Harnesses)
- Modular vertical power harness is included with the Studio Table 3- or 4-Circuit power option.

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**Notes**
- The 63” deep Studio Table application may be installed with a 3” gap between tables or back-to-back with no gap.
- In a Flip Top Unit application the Studio Table Base Feed Module may not be located beneath the Flip Top Unit.
### Studio Table: Power Management

#### 1. In: Top Feeds

**Standard Top Feed Module**

Top Feed module available options:
- Standard Top Feed for 3- and 4-Circuit includes conduit connection.
- Standard Top Feed for Hardwire connection with field supplied wires.

Top Feed modules supply power from the space above the ceiling. The Standard Top Feed module (EQET-) for 3- and 4-Circuit applications include junction box, ceiling bezel plates, vertical trim, hardware, 4¼" wide x 2" deep pole, and a modular harness. The modular harness is made of ½" diameter flexible conduit, 8-Wire, and conduit fittings. The pole and modular harness length is dependent on the ceiling height. Available for 10’ and 12’ ceiling heights. Refer to the price list application chart for product specification.

#### 3- and 4- Circuit Application

**EQET-**

- The building power is carried down through the top feed modular harness within the pole into the top of the Vertical End or Vertical Mid-Support and connects to the circuit distributor which routes the power to the Studio Table’s power harness within the Vertical internal channel to the base height junction box.
- 3- and 4-Circuit and hardwire applications require field modification of the Vertical and Vertical Trim. Field drill hole in the Vertical top trim and cut a notch in Vertical trim.
Studio Table: Power Management

1. In: Top Feeds

Standard Top Feed Module
• The top feed modular harness is routed through the internal vertical channel. The point of entry in the top of the Vertical is a set location. The product application must work with the building power source location and the ceiling architecture to align with the Studio Table’s Vertical End or Vertical Mid-Support point of entry.
• Vertical top trim to be field modified for top feed module application.

Dimensions for Standard 3- and 4- Circuit Top Feed Module Applications

30" Deep Studio Table
• In a 30" deep Studio Table non-Flip Top Unit application, one top feed module is required. Power entry may be located at either Vertical End or Mid-Support Vertical.
• In a 30" deep Studio Table Flip Top Unit application, one top feed module is required. Power entry may be located at either Vertical End.

Notes
• In a 63" deep Studio Table non-Flip Top Unit application two standard top feed modules are required. One for each side of the application. Power entry may be located in Verticals positioned back-to-back or in staggered Vertical locations per each side of the application.
• In a 63" deep Studio Table Flip Top Unit application two standard top feed modules are required. One for each 30" deep Vertical End on the handed power Vertical End of the Studio Table application.
1. In: Top Feeds

**Studio Table Top Feed Module**
- The Studio Table top feed module (TQET-) is another power infeed option. This top feed module is for use with the Studio Table, only. There are two versions available for either a 30" or 63" deep Studio Table.
- Studio Table Base Feed module available options:
  - 3- and 4- Circuit includes conduit connection
  - Hardwire connection with field supplied wires
- The Studio Table top feed module is another power infeed option. This top feed module is for use with the Studio Table, only. There are two versions available for either a 30" or 63" deep Studio Table.
- Studio Table Base Feed module available options:
  - 3- and 4- Circuit includes conduit connection
  - Hardwire connection with field supplied wires

**Studio Table Top Feed Module for a 30" Deep Studio Table**
- The Vertical Harness conduit length allows the Studio Table Top Feed to be horizontally positioned anywhere beneath the back edge of the horizontal top to access the building power source.

**3- and 4- Circuit Application**

*TQET-2930*

![Diagram of Studio Table Top Feed Module](image)

- **Modular Vertical Harness**
  - 12' flexible conduit routes power from building and is housed in the vertical pole.

- **Vertical Pole**
  - 2" proud of Studio Table back edge.

- **Circuit Distributor**

- **Modular Jumper(s)** is included with the Studio Table 3- or 4-Circuit power option.

- **Plate attaches beneath the back edge of the horizontal top.**

**Note**: In a Flip Top Unit application the Studio Table Base Feed Module may not be located beneath the Flip Top Unit.
Studio Table: Power Management

1. In: Top Feeds

**Studio Table Top Feed Module for a 63” Deep Studio Table**
- The modular Vertical Harness conduit length allows the Studio Table Top Feed to be horizontally positioned anywhere beneath the back edge of the horizontal tops to access the building power source. The Vertical Harness conduits must be positioned in a back-to-back condition between the Studio Tables horizontal tops to access the T-Shaped attachment plate.

**3- and 4- Circuit Application**

**Notes**
- A 63” deep Studio Table application must be installed with a 2” gap between the back-to-back tables to accommodate the vertical pole.
- In a Flip Top Unit application the Studio Table Top Feed Module may not be located beneath the Flip Top Unit.
Studio Table: Power Management

2. Through

3- and 4-Circuit Application
• A Studio Table 3- or 4-Circuit application includes all required powered components to provide power through the application. Internal power and communication channels are located in the Verticals and the Horizontal Top. Modular power jumpers, circuit distributors and vertical harnesses pass power through the Studio Table application.

Hardwire Application
A Studio Table hardwire application includes internal power and communication channels located in the Verticals and the Horizontal Top. Modular power jumpers, circuit distributors, and vertical harnesses are not included. Requires field supplied conduit and wire.

Non-Powered Application
A Studio Table non-powered application has no internal power and communication channels and no internal power components. Field retrofitting to a powered application is not recommended.
**Studio Table: Power Management**

3. Out: Vertical Base

Each Base Height Utility Access Location includes:
- Junction Box and Vertical Base Access Door, wall plate with (2) 15 amp duplex receptacles, and (1) Decora communication port with blank cover for 3- or 4-Circuit power applications.

3- and 4- Circuit Application
- A Studio Table 3- or 4-Circuit application includes junction box, receptacles, and communication outlets in the Vertical base. Shipped assembled and factory wired to circuit one.

Note: Flip Top Unit application does not have power and communication access at the vertical base.

Hardwire Application
- A Studio Table hardwire application includes junction box, receptacles, and communication outlets for the Vertical base. Shipped unassembled for field installation by licensed electrician.
Studio Table: Power Management

3. Out: Flip Top Unit
The Flip Top Unit spring release cover offers two positions: closed or fully open.

- When closed the Flip Top bezel is proud to the table top.
- When open, the Flip Top Unit projects 1" above the table top (facing the user).

Flip Top Unit Options

- 3- or 4- Circuit Option
  (Requires circuit number specification)
- Hardwire Option
- Single Circuit Option
  (12' long, 15 amp black cord with plug)

Cutout Dimensions: 11” x 4”
- Cutout dimensions accept Flip Top Units with (6) Utility Access ports.
Studio Table: Power Management

3. Out: Flip Top Unit

3- or 4-Circuit Studio Table with Flip Top Option
- A Studio Table 3- or 4-Circuit Flip Top Unit application includes cutout(s) in the horizontal top and modular power jumper(s) for routing through the internal channel. Requires separately specified Flip Top Unit(s) and power Infeed module.

![Diagram of Studio Table: Power Management](image)

Cutout for Flip Top Unit

Modular Jumper is included with the Studio Table Flip Top Unit option.

Modular Vertical Harness(es) is included with the Studio Table 3- and 4-Circuit power option.

Vertical Ends include blank access plates; without Utility Access; no receptacles or communication ports.

Circuit Distributor included with the Studio Table 3- and 4-Circuit power option.

Notes
- A Studio Table Flip Top Unit application does not have power and communication access at the vertical base.
- A Hardwire Flip Top Unit application includes the cutout, only; requires field supplied conduit and wire.

Single Circuit Studio Table with Flip Top Option
- A Studio Table Single Circuit Flip Top Unit application includes cutout(s) in the horizontal top, only. Requires separately specified Flip Top Unit(s); corded version with plug.

![Diagram of Single Circuit Studio Table: Power Management](image)

Cutout for Flip Top Unit

Specify the Studio Table Non-Powered option for a single circuit Flip Top Unit application.

Tips
- Corded Flip Top Unit applications should be reviewed by local authorities (electrical inspector) prior to ordering this product.
- For use with 120 volt 60 hertz power source only.
Studio Table: Power Management

Flip Top Units
The Flip Top Unit includes multiple data jack adapters to accommodate most field supplied data jacks. Also included are blank data covers to be used if no data access is needed. Data jacks are field supplied.

- 15 amp rated simplex power receptacles
- Data information access ports

Includes blank data covers and data jack adapters.

Flush mount plate and pop-up portion of flip top unit standard in anodized finish.

Perimeter edge of power receptacles and data ports face plate standard in white.

Simplex power receptacles standard in white; included with Flip Top Unit.

Data jack adapters standard in white; included with Flip Top Unit. (See manufacturer list for field supplied data jacks)

Manufacturer’s List of Field Supplied Data Jacks

<table>
<thead>
<tr>
<th>Systimax/CommScope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tyco SL and 110 Connect Series Modular Jacks</td>
</tr>
<tr>
<td>Siemon Keystone Style</td>
</tr>
<tr>
<td>Allen Tel Versa Tap Series</td>
</tr>
<tr>
<td>Leviton Quick Port® Series</td>
</tr>
<tr>
<td>Nordx Keystone Style</td>
</tr>
<tr>
<td>Tyco SL Coupler Series</td>
</tr>
<tr>
<td>ADC (Krone) 6000 Series</td>
</tr>
<tr>
<td>Hubbell Xcelerator™ Keystone Series</td>
</tr>
<tr>
<td>Blank (no coupler/jack)</td>
</tr>
<tr>
<td>Ortonics TracJack Series</td>
</tr>
<tr>
<td>Panduit Mini-Com Series</td>
</tr>
<tr>
<td>Microphone Jack/3-Pin XLR (solder type only)</td>
</tr>
<tr>
<td>Video Monitor Jack/DB-15 (panel mount solder style)</td>
</tr>
</tbody>
</table>

Tips
- The Studio Table Flip Top Unit is available in four power options, Single Circuit, 3-Circuit, 4-Circuit and Hardwire; specify the power option which reflects the Studio Table power option.
- The Studio Table, Workwall or File Enclosure Reference Top and Reference Return Flip Top Unit cutout dimensions are not the same as the Bench Flip Top Unit cutout dimensions; not interchangeable between product categories.
File Enclosure: Introduction

The File Enclosure provides a clean aesthetic for archival storage within an open plan environment with optional routing of power and communication. It allows a bank of X Series files and storage to accommodate informal collaborative meetings, as well as supporting office equipment. Part of the 3" Patterns theme, the File Enclosure creates a clean aesthetic with built-in functionality, a new solution to traditional millwork.

File Enclosure Applications

Archival Storage

Archival Storage with Informal Meeting Area

Tips
- X Series Files and Storage are each separately specified.
- Tailored product solutions are available to accommodate architectural needs.
- For access to an electronic design tool to support a tailored product application contact your supplier for availability and user information.
File Enclosure: Terminology

A Horizontal or Horizontal Element, a Vertical or Vertical Element — the difference is terminology as it relates to the planning models. Terminology is used to differentiate between the two planning models:
- A single stand-alone File Enclosure Shell is specified with a single catalog number.
- An In-Line File Enclosure application is made with Horizontal and Vertical Elements and specified with multiple catalog numbers.

**File Enclosure Shell**
- Specified as a single catalog number.

**In-Line File Enclosure Horizontal and Vertical Elements**
- Horizontal and Vertical Elements specified as multiple catalog numbers.
File Enclosure: Understanding File Enclosures

File Enclosure Foundation

The File Enclosure Shell or In-Line File Enclosure Elements provide a clean aesthetic to wrap lateral files. All File Enclosure applications start with a foundation comprised of a Horizontal and Verticals.

File Enclosure Shell or In-Line File Enclosure: Horizontal and Vertical Elements

File Enclosure Components

A Patterns File Enclosure can be specified with a Backer.

Tips

- X Series Lateral Files must be specified separately.
- Workwall Components cannot be used within a File Enclosure.
Two Planning Models

File Enclosure Shell: Individual File Enclosure
- A File Enclosure Shell is for an individual stand-alone application.
- File Enclosure Shells are available in nine widths. The File Enclosure shell includes the Horizontal and Verticals as a single catalog number.

- 66” Outside Width
- 78” Outside Width
- 90” Outside Width
- 96” Outside Width
- 114” Outside Width
- 126” Outside Width
- 132” Outside Width
- 150” Outside Width
- 174” Outside Width

File Enclosure Horizontal and Vertical Elements: In-Line File Enclosure
- In-Line File Enclosure applications are comprised of more than one horizontal. At a minimum, one must be a Horizontal Element. These horizontals must be designed using the individual Horizontal and Vertical Elements planning model. Horizontal options include:
  - Horizontal Element
  - Reference Top
  - Reference Return
- Horizontal and Vertical Elements are separately specified catalog numbers.
File Enclosure: Understanding File Enclosures

Single- or Double-Sided File Enclosure Applications

The File Enclosure Shell and File Enclosure Horizontal and Vertical Elements are offered in two depths for single- or double-sided applications.

File Enclosure Shell
• An Individual File Enclosure

22” Deep: Single-Sided File Enclosure Shell
42” Deep: Double-Sided File Enclosure Shell

File Enclosure Horizontal and Vertical Elements
• In-Line File Enclosure

22” Deep: Single-Sided In-Line File Enclosure
42” Deep: Double-Sided In-Line File Enclosure

Tips
• An In-Line File Enclosure application has two or more in-line Horizontal Elements and the designated Vertical Elements.
• At a minimum one of the horizontal planes in an In-Line File Enclosure must be a Horizontal Element.
• Reference Top and Reference Return are also available single- or double-sided for In-Line File Enclosure applications.
File Enclosure Shell: Statement of Line

- The File Enclosure Shell includes a 3” thick Horizontal and two 3” thick Verticals.
- The heights and widths shown below are available for both depths.

### Heights

<table>
<thead>
<tr>
<th>OUTSIDE HEIGHT</th>
<th>INSIDE HEIGHT</th>
<th>FILE UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>30½”</td>
<td>27½”</td>
<td>2-High</td>
</tr>
<tr>
<td>42½”</td>
<td>39½”</td>
<td>3-High</td>
</tr>
<tr>
<td>54½”</td>
<td>51½”</td>
<td>4-High</td>
</tr>
<tr>
<td>66½”</td>
<td>63½”</td>
<td>5-High</td>
</tr>
</tbody>
</table>

### Widths

<table>
<thead>
<tr>
<th>OUTSIDE WIDTH</th>
<th>INSIDE WIDTH</th>
<th>FILE WIDTH COMBINATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>66”</td>
<td>60”</td>
<td>30” Files: Two Wide</td>
</tr>
<tr>
<td>78”</td>
<td>72”</td>
<td>36” Files: Two Wide</td>
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<tr>
<td>90”</td>
<td>84”</td>
<td>42” Files: Two Wide</td>
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<td>96”</td>
<td>90”</td>
<td>30” Files: Three Wide</td>
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<td>108”</td>
<td>36” Files: Three Wide</td>
</tr>
<tr>
<td>126”</td>
<td>120”</td>
<td>30” Files: Four Wide</td>
</tr>
<tr>
<td>132”</td>
<td>126”</td>
<td>42” Files: Three Wide</td>
</tr>
<tr>
<td>150”</td>
<td>144”</td>
<td>36” Files: Four Wide</td>
</tr>
<tr>
<td>174”</td>
<td>168”</td>
<td>42” Files: Four Wide</td>
</tr>
</tbody>
</table>

#### 22” Deep: Single-Sided

#### 42” Deep: Double-Sided

Tip: The File Enclosure Shell catalog number reflects the outside height and the inside width.
File Enclosure Shell: Overview

Product Features:

- Laminate or wood surface options
- Includes a 3” thick Horizontal and two Verticals
- Depths: 22” or 42”
- Outside Heights: 30½”, 42½”, 54½”, and 66½”
- Outside Widths: 66”, 78”, 90”, 96”, 114”, 126”, 132”, 150”, and 174”
- Backer Option (22” deep applications only)
- Power Options (Vertical Base only) include:
  - Non-Powered
  - 3-Circuit, 8 Wire
  - 4-Circuit, 8 Wire
  - Hardwire
- Power and Communication infeed access is located within the Verticals:
  - Vertical Base Infeed
  - Desk height power includes Flip Top Unit cutout in Horizontal
    - None
    - One cutout
    - Two cutouts
- Specification of the power option will be applied to both Verticals

22” Deep: Single-Sided File Enclosure Shell

File Enclosure Backer Option:

- File Enclosure Backer must be separately specified on 22” depth (not for use on 42” deep).
- When specifying the File Enclosure Shell select “yes” for the Backer option which includes pre-drilled holes in the Verticals for Backer attachment.
- The File Enclosure Backer encloses the back of the application from Vertical-to-Vertical and from the Horizontal to base.
- Adding a Backer to a File Enclosure not specified with Backer Option is not recommended.

Tips

- 3- and 4-Circuit power options include harnesses and power jumpers with modular connections to route power from a Vertical through the Horizontal to the opposite Vertical.
- Requires separately specified power infeed.
File Enclosure Shell: Power Options

Non-Powered Option

- Specify power option (N) for a non-powered application.
- For power option (N), there are no internal cable routing channels, utility cutouts, or power access openings in the File Enclosure Shell.
- Field retrofitting to a powered application is not recommended.

Power Options
- (N) None

Power Location:
- (N) None
- Power Not Accessible in Verticals or Horizontals

22” Deep: Single-Sided

42” Deep: Double-Sided
File Enclosure Shell: Power Options

3- and 4-Circuit Power Options

Vertical Base Infeed/Flip Top Unit Location(s)
- Specify power option (3) or (4) for Power and Communication infeed location.
- File Enclosure Shell includes internal channels for routing power and communication.
- Power harnesses and jumpers are included allowing use of modular connectors; remaining connections are hardwired.

Each Base Height Utility Infeed Location includes:

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Access Location:
Flip Top Unit Location:
- (H) One Flip Top Cutout per Horizontal
- (L) Two Flip Top Cutouts per Horizontal

Tips
- Requires separately specified Flip Top Unit(s).
- One Base Height Utility Access Location on each Vertical for both depths.

Note
42” deep power routes same as 22” deep; power access is centered.
File Enclosure Shell: Power Options

Hardwire Power Options

**Vertical Base Infeed/Flip Top Unit Location(s)**
- Specify power option (C) for Power and Communication infeed location.
- File Enclosure Shell includes internal channels for routing power and communication.
- Requires field supplied conduit and wire.

Each Base Height Utility Infeed Location Includes:

- Access Door with Blank Cover (matches laminate or wood vertical finish)
- Junction Box

**Note** Ships unassembled for field installation by licensed electrician.

**Power Option:**
- (C) Hardwire

**Power Access Location:**
- Flip Top Location:
  - (H) One Flip Top Cutout per Horizontal
  - (L) Two Flip Top Cutouts per Horizontal

**22” Deep: Single-Sided**
- Access door (Blank) at base location (cover matches laminate or wood vertical finish).

**Tips**
- Requires separately specified Flip Top Unit(s).
- One Base Height Utility Access Location on each Vertical for both depths.

**Note** 42” deep power routes same as 22” deep; power access is centered.
**File Enclosure: Horizontal and Vertical Elements Statement of Line**

**Horizontal Elements**

In-Line File Enclosure applications are comprised of Horizontal and Vertical Elements with alternate Horizontals like the Reference Top and Reference Return. All Horizontals have designated Vertical Elements for use only with a specific Horizontal.

All File Enclosure Horizontal Elements are available 22” deep for single-sided applications or 42” deep for double-sided applications. All horizontals are 3” thick.

**Options include:**
- Horizontal Element
- Reference Top
- Reference Return

**Horizontal Element**

- Available Widths: 60”, 72”, 84”, 90”, 108”, 120”, 126”, 144”, and 168”

---

**Tip**

File Enclosures must be filled entirely with separately specified X Series Files or Storage.
File Enclosure: Horizontal and Vertical Elements Statement of Line

Reference Top and Reference Return

**Reference Top**
- Available 48”, 60”, and 72” wide
- 30½” and 42½” high

![Reference Top Diagram](image)

**Reference Return**
- Available 48”, 60”, and 72” wide
- 30½” and 42½” high

![Reference Return Diagram](image)
Vertical Elements

In-Line File Enclosure applications are comprised of Horizontal and Vertical Elements with alternate Horizontals like the Reference Top and Reference Return. All Verticals have designated Horizontal Elements for use only with a specific Vertical.

All File Enclosure Vertical Elements are available 22” deep for single-sided applications or 42” deep for double-sided applications. All verticals are 3” thick.

Options include:
• Vertical Element for use with Horizontal Element
• Vertical Element for use with Reference Top or Reference Return

Vertical Element for use with Horizontal Element
• Available Heights: 30½”, 42½”, 54½”, and 66½”

22” Deep: Single-Sided

42” Deep: Double-Sided
File Enclosure: Horizontal and Vertical Elements Statement of Line

Vertical Element for use with Reference Top and Reference Return

- Available Heights: 30½” and 42½”

**Tip**
If Vertical Element is specified with Backer option, Backer installation holes will be located on inside of Vertical only.
File Enclosure: Horizontal and Vertical Elements: Statement of Line

Horizontal Element

The File Enclosure Horizontal Element is used to design In-Line File Enclosure applications; 22” deep single-sided and 42” deep double-sided. All In-Line File Enclosure applications must have at least one Horizontal Element. In-Line File Enclosure applications may be comprised of all Horizontal Elements or may incorporate alternate horizontals such as a Reference Top and Reference Return.

All Horizontal and Vertical Elements are separately specified.

Horizontal Element

22” Deep: Single-Sided

42” Deep: Double-Sided

Tip

File Enclosure Horizontal Elements 126” wide and wider will have a seam.
**File Enclosure: Horizontal and Vertical Elements Statement of Line**

**Vertical Element (for use with Horizontal Element)**

- File Enclosure Vertical Elements must be used with File Enclosure Horizontal Elements for In-Line applications.
- File Enclosure Vertical Elements (for use with Horizontal File Enclosure Elements) are available in two depths and four heights.

**22” Depth**

- 66½” High
- 54½” High
- 42½” High
- 30½” High

**Left-Hand**

**Center**

**Right-Hand**

**42” Depth**

- 66½” High
- 54½” High
- 42½” High
- 30½” High

**Left-Hand**

**Center**

**Right-Hand**
File Enclosure: Horizontal and Vertical Elements Statement of Line

Reference Top and Reference Return
• The File Enclosure Reference Top and Reference Return is used to design in-line File Enclosure applications; 22" deep single-sided and 42" deep double-sided.
• A Reference Top is used between two Horizontal Elements and a Reference Return is used at the end of an application adjacent to a Horizontal Element in an In-Line File Enclosure.
• The Reference Top and Reference Return are for use in 30½” and 42½” high applications.
• Vertical Elements are separately specified, however the Reference Return includes one Vertical end.

Reference Top: 30½” and 42½” High
• Reference Top is used between two Horizontal Elements in a 30½” and 42½” high application.

Reference Return: 30½” and 42½” High
• Reference Return includes a Horizontal and one Vertical end and is located at the end of a File Enclosure application, adjacent to an appropriate Horizontal Element in a 30½” and 42½” high application.

Vertical Element (for use with Reference Return and/or Reference Top): 30½” and 42½” High

22” Deep
- 48”, 60”, and 72” Wide

42” Deep: Double-Sided
- 48”, 60”, and 72” Wide

22” Deep: Single-Sided
- 48”, 60”, and 72” Wide

42” Deep: Double-Sided
- 48”, 60”, and 72” Wide
File Enclosure: Horizontal and Vertical Elements

Horizontal Element

Product Features
- Laminate or wood surface options
- Includes 3” thick Horizontal Element
- Depths: 22” or 42”
- Widths: 60”, 72”, 84”, 90”, 108”, 120”, 126”, 144”, and 168”
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire

Tip
Field retrofitting to a powered application is not recommended.
File Enclosure: Horizontal and Vertical Elements

Horizontal Element Power Options: Internal Power and Communications Routing

Non-Powered:
- Specify power option (N) for a non-powered application; no receptacle or communication ports.
- For power option (N) there are no internal cable routing channels, utility cutouts or power access openings. Field retrofitting to a powered application is not recommended.

Power Option:
- (N) None

Power Access Location:
- Power not accessible in Horizontal

3- and 4-Circuit Power:
- Specify power option (3) or (4) for internal power jumper for a 3- or 4-Circuit power application. Power not accessible in Horizontal Element.
- Horizontal includes internal cable channel and power jumper with modular connections.
- Jumper continues the power path through to the Vertical Element or spans through a non-powered Vertical Element.

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Access Location:
- Power not accessible in Horizontal

Hardwire Power:
- Specify power option (C) for hardwire application. No power harness or jumpers included. Requires field supplied conduit and wires. Horizontal includes internal power and communications channel. Power not accessible in Horizontal Element.

Power Option:
- (C) Hardwire

Power Access Location:
- Power not accessible in Horizontal
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

**Product Features**
- Laminate or wood surface options
- Includes 3” thick Vertical
- Depths: 22” or 42”
- Heights: 30½”, 42½”, 54½”, and 66½”
- Backer Option
- Available Left-Hand, Right-Hand, or Center
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire
- Power and Communication Locations:
  - Non-Powered
  - Vertical Base Infeed

**Vertical Element Position:**
- Slots provide attachments to the Horizontal Element(s). The slot and access opening location determines the handedness.
- Slots and access openings are located at the top of the Vertical Element.
- Access openings allow for power and communication routing. The access openings on the left- and right-hand Verticals are located on the inside of the Vertical.

**Note**  File Enclosure applications require separately specified X Series Files and Storage.
**File Enclosure: Horizontal and Vertical Elements**

**Vertical Element (for use with Horizontal Element)**

**Locations of Access Openings and Slots**

Vertical Elements have dedicated application positions due to the access opening, slots, and optional Backer
- **Access Openings**: Located at the top of the Vertical Element. Allow for power and communication cable routing.
- **Slots**: Located at the top of the Vertical Element. Allow for attachment to Horizontal Element(s).
- **Pre-drilled Holes**: Located on the Vertical Element face; one or two sides depending on the Vertical Element position. Allows for Backer attachment.

**22” Deep: Single-Sided Vertical Element**

**42” Deep: Double-Sided Vertical Element**

**Tip**

All File Enclosure Vertical Elements (powered and non-powered) are notched to allow the routing of cables between File Enclosure Vertical Elements and File Enclosure Horizontal Elements within the structure, as well as to allow connectivity between Elements.
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

Backer Option
- Available for 22" wide File Enclosure only.
- Specifying the Backer option for Vertical Elements includes factory pre-drilled holes for mounting the Backer. File Enclosure Backers are separately specified. The Backer encloses the back of the File Enclosure.

Tip
The Vertical Element (for use with Horizontal Element) is the only Vertical which offers a Backer option. Backer option is not available for use with Reference Top or Reference Return.
File Enclosure: Horizontal and Vertical Elements

Vertical Element

Glide Sleeve
The glide sleeve is located at the bottom of all Verticals.
• **Vertical Element (for use with Horizontal Element).**
• **Vertical Element (for use with Reference or Reference Return).**

Internal Glide Sleeve

The internal glide sleeve telescopes up into the Vertical Element and provides access to the leveling glides. Two leveling glides are provided with each Vertical Element and provide 1½” adjustment range.

The internal glide sleeve has break-away sections for field modification. Removing sections allow for routing power and communication from the building to the Vertical Element internal channel.

Power and communication may be routed directly through the bottom of the Vertical Element. The access opening is 3.75” x 1.75”.

22” Deep: Top View
• Power and communication opening in the bottom of the 22” deep Vertical.

42” Deep: Top View:
• Power and communication opening in the bottom of the 42” deep Vertical.
File Enclosure: Horizontal and Vertical Elements

Vertical Elements

Power Options
The base height receptacle and communication configuration is the same for all Vertical Elements, if applicable:
• Vertical Element (for use with Horizontal Element)
• Vertical Element (for use with Reference Top or Reference Return)

Vertical Base Height Power and Communication:

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit
• (H) Hardwired

Power Location Option:
• (N) None
• (A) Vertical/Base Access Door (blank cover), only
• (J) Vertical/Base (outside)

Notes
• (J) Option only available with Reference Top or Reference Return.
• 42” power routes the same as 22” deep; power access is centered.

Each Base Height Utility Location includes:
• Junction Box and Vertical Base Access Door (blank cover) for 3- and 4-Circuit power applications. Conduit and wire are field supplied for Hardwire application.
File Enclosure: Horizontal and Vertical Elements

Vertical Elements (for use with Horizontal)

Base Height Power and Communication Options:

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit
• (H) Hardwire

Power Location Option:
• (A) Vertical/Base Infeed/One Side/Inside

(A) Option: Each Base Height Utility Location includes:
• Junction Box and Vertical Base Access Door (blank cover) for 3- and 4-Circuit power.
• Junction Box and Vertical Base Access Door (blank cover). Conduit and wire is field supplied for Hardwire application.

22" Deep: Single-Sided

42" Deep: Double-Sided

Note Dimensions include trim (not shown).
File Enclosure: Horizontal and Vertical Elements

Vertical Elements (for use with Reference Top or Reference Return)

Base Height Power and Data:

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit
• (H) Hardwire

Power Location:
• (A) Access — Vertical Base Infeed

Note 42” deep power routes same as 22” deep; power is centered in Vertical.

(A) Option: each Base Height Utility Location includes:
• Junction Box and Vertical Base Access Door (blank cover) for 3- and 4-Circuit power applications. Conduit and wire are field supplied for Hardwire application.

(J) Option: each Base Height Utility Location includes:
• Junction box, two duplex receptacles, and one data port with blank cover.

Note Shipped unassembled for field installation, requires field supplied conduit and wires.
**File Enclosure: Horizontal and Vertical Elements**

**Vertical Element (for use with Horizontal Element)**

**Non-Powered Option**
- Specify power option (N) for a non-powered application; no receptacles or data ports.
- There are no internal cable routing channels in a non-powered File Enclosure Vertical Element; no utility cutouts or power access for power option (N).
- Field retrofitting to a powered application is not recommended.

**Vertical Element Position (for use with Horizontal):**

**Power Options/Locations**

**Power Option:**
- (N) None

**Power Location:**
- (N) None

**Power Access Location:**
- None

**Left-or Right-Handed Vertical Elements/Center Vertical Elements**

**22" Deep: Single-Sided**

**42" Deep: Double-Sided**

**Center Vertical Elements**
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

3- and 4-Circuit Power Options: One Side/Handed Vertical
- Specify power location (A) for base height access door (blank cover): one side
- Each Base Height Utility Access Location includes:
  - Junction Box
  - Access Door with Blank Cover

Vertical Element (for use with Horizontal)

Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (A) Vertical Base/One Side/Inside

Power Access Location:
- Base Height

Left- or Right-Handed Vertical Element

22” Deep: Single-Sided
42” Deep: Double-Sided

One Base Height Utility Access Location:
A 22” deep handed Vertical Element with power location (A) includes access door with blank cover.

Two Base Height Utility Access Location:
A 42” deep handed Vertical Element with power location (A) includes access door with blank cover.
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

3- and 4-Circuit Base Height Power Options: One Side/Center Vertical
- Specify power location (A) for base height access door blank cover, one side
- Each Base Height Utility Access Location includes:
  - Junction Box
  - Access Door with Blank Cover

Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (A) Vertical Base/Centered/One Side

Power Access Location:
- Base Height

Center Vertical Element

22" Deep: Single-Sided  42" Deep: Double-Sided

One Centered Base Height Utility Access Location:
A 22" deep center Vertical Element with power location (A) includes one access door.

One Centered Base Height Utility Access Location:
A 42" deep center Vertical Element with power location (A) includes one access door.
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Horizontal Element)

**Hardwire Base Height Power Options: One Side/Handed Vertical**
- Specify power location (A) for base height access door blank cover: One Side/Inside
- Each Base Height Utility Access Location includes:
  - Junction Box
  - Access Door with Blank Cover

Vertical Element (for use with Horizontal)

Power Options/Location

**Power Option:**
- (C) Hardwire

**Power Location:**
- (A) Vertical Base/One Side/Inside

**Power Access Location**
- Base Height, only

One Base Height Utility Access Location:
A 22” deep handed Vertical Element with power location (A) includes one access door with blank cover.

One Base Height Utility Access Location:
A 42” deep handed Vertical Element with power location (A) includes one access door with blank cover.
Vertical Element (for use with Horizontal Element)

Hardwire Base Height Power Options: One Side/Center Vertical
- Specify power location (A) for base height access door with blank cover
- Each Base Height Utility Access Location includes:
  - Junction Box
  - Vertical Base Access Door with blank cover

Power Options/Location

Power Option:
- (C) Hardwire

Power Location:
- (A) Vertical Base

Power Access Location:
- Base Height, only

One Base Height Utility Access Location:
A 22” deep center Vertical Element with power location (A) includes one access door (blank cover).

One Base Height Utility Access Location:
A 42” deep center Vertical Element with power location (A) includes one access door (blank cover).
**File Enclosure: Horizontal and Vertical Elements**

**Reference Top**

**Product Features:**
- Laminate or wood surface options
- 3” thick
- Depths: 22” or 42”
- Widths: 48”, 60”, and 72”
- 30½” and 42½” high
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire
- Optional Flip Top cutout available for desk height power

**Without Flip Top Cutout**

**With Flip Top Cutout**

A non-powered application does not include internal Power and Communication routing channels or power jumpers.

A hardwire powered application includes internal Power and Communication routing channels. Does not include power jumper.

A 3- or 4-Circuit powered application includes internal Power and Communication routing channels and power jumper.

**Tip** Field retrofitting to a powered application is not recommended.
Patterns

**File Enclosure: Horizontal and Vertical Elements**

**Reference Top: Non-powered, 3- and 4-Circuit Power Options**

**Non-Powered:**
- Specify power location and option (N) for a non-powered application.
- There are no internal Power and Communication routing channels, utility cutouts or power access for power option (N).
- Field retrofitting to a powered application is not recommended.

<table>
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**3- and 4-Circuit Power:**
- Specify power location (N) for no cutout in Reference Top. The 3- and 4-Circuit power option includes internal cable channel and power jumper with modular connectors.
- Jumper continues the power path through Horizontal Element to the Vertical Element or spans through a non-powered Vertical Element.

<table>
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<tr>
<th>Power Access Location:</th>
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</thead>
<tbody>
<tr>
<td>Power Not Accessible in Reference Top</td>
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</tbody>
</table>

**3- and 4-Circuit Power:**
- Specify power location (H) for one desk height cutout in top. The 3- or 4-Circuit power option includes internal Power and Communication channel and power jumper with modular connections.
- Jumper continues the power path through Horizontal Element to the Vertical Element or spans through a non-powered Vertical Element.
- Requires separately specified Flip Top Unit with conduit for 3- or 4-Circuit option.

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<td>(H) One Flip Top Unit Cutout</td>
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<th>Power Access Location:</th>
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<td>Desk Height</td>
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<table>
<thead>
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<th>With Flip Top Unit Cutout</th>
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</table>
File Enclosure: Horizontal and Vertical Elements

Reference Top

Hardwire Power Option without Cutout
• Specify power location (N) for no cutout in Reference Top. No power jumpers included with the hardwire power option.
• Requires field supplied conduit.

Power Option:
• (C) Hardwire

Power Location:
• (N) None

Power Access Location:
• Power Not Accessible in Reference Top

Hardwire Power with Cutout
• Specify power location (H) for one cutout in Reference Top. No power jumpers included with the hardwire power option.
• Requires field supplied conduit and wire.
• Requires separately specified Hardwire Flip Top Unit.

Power Option:
• (C) Hardwire

Power Location:
• (H) One Flip Top Unit Cutout

Power Access Location:
• Desk Height
**File Enclosure: Horizontal and Vertical Elements**

**Reference Return**

**Product Details**
- Laminate or wood surface options
- 3” thick Horizontal and Vertical end
- Depths: 22” or 42”
- Widths: 48”, 60”, and 72”
- Heights: 30½” and 42½”
- Available left- or right-hand
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire
- Optional Flip Top Unit cutout available for desk height power

---

**Without Flip Top Cutout**

---

**With Flip Top Cutout**

A non-powered application does not include internal Power and Communication routing channels or power jumpers.

A hardwire powered application includes internal Power and Communication routing channels and does not include power jumper.

A 3- or 4-Circuit powered application includes internal Power and Communication routing channels and power jumper.

---

**Tip**
File Enclosure Reference Return Vertical end has no access to power.

**Note**
Field retrofitting to a powered application is not recommended.
File Enclosure: Horizontal and Vertical Elements

Reference Return: Non-Powered, 3- and 4-Circuit Power Options

Non-Powered:
- Specify power option and location (N) for a non-powered application.
- There are no internal cable routing channels, utility cutouts or power access for power option (N).
- Field retrofitting to a powered application is not recommended.

Power Option:
- (N) None

Power Location:
- (N) None

3- and 4-Circuit Power:
- Specify power location (H) for one desk height cutout in top. The 3- or 4-Circuit power option includes internal cable channel and power jumper with modular connections.
- Requires separately specified Flip Top Unit.
- Jumper continues the power path to the Flip Top Unit or spans through a non-powered Vertical Element which accepts Reference Return.

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (H) One Flip Top Unit Cutout

Power Access Location:
- Desk Height

Hardwire Power:
- Specify power location (H) for one cutout in Reference Return top. No power jumper included with the hardwire option.
- Requires field supplied conduit and wire.
- Requires separately specified Flip Top Unit with conduit for hardwire power option.

Power Option:
- (C) Hardwire

Power Location:
- (H) None

Power Access Location:
- Desk Height
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

**Product Features**
- Laminate or wood surface options
- Includes 3" thick Vertical
- Depths: 22" or 42"
- Heights: 30½" and 44½"
- Available Centered Left or Centered Right
- Backer Option
- Power Options:
  - Non-Powered
  - 3-Circuit, 8-Wire
  - 4-Circuit, 8-Wire
  - Hardwire
- Power and Communication Locations:
  - Non-Powered
  - Vertical Base Height: access door blank cover (one side/inside)
  - Vertical Base Height (one side/outside)

Slots provide attachment between Reference Top and the adjacent Horizontal Element and allow power and communication routing.

**Vertical Element Detail**

**Vertical Element Position:**
- Slots attach the Reference Top to the adjacent Horizontal Element. The slot and access opening location determines the handedness.
- Slots and access openings are located at the top of the Vertical Element. Access openings allow for Power and Communication routing. Slots attach the Reference Top to the adjacent Horizontal Element. The slot and access opening location determine the handedness.
**File Enclosure: Horizontal and Vertical Elements**

**Vertical Element (for use with Reference Top or Reference Return)**

**Locations of Access Openings and Slots**
Vertical Elements have dedicated application positions due to the Access Openings and Slots.
- **Access Openings**: Located at the top of the vertical. Allow for power and communication routing.
- **Slots**: Located at the top of the vertical. Allow for attachment to Horizontal Element(s).

![Diagram of Vertical Element](image)

- **22" Deep: Single-Sided Vertical Element**
  - Centered Right

- **22" Deep: Single-Sided Vertical Element**
  - Centered Left

**Backer Option**
Vertical Elements have predrilled holes on the inside of the 22" deep Vertical for backer attachment.

- **22" Deep: Single-Sided**

**Tip**
Backer option only available on 22" deep Verticals.

**Note**
42" Deep Vertical Element follows same logic.
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

Non-Powered Option:
- Specify power option (N) for a non-powered application; no receptacles or data ports.
- There are no internal Power and Communication routing channels in the File Enclosure Vertical Element for use with Reference Top or Reference Return; no Flip Top cutouts or power access for power option (N).
- Field retrofitting to a powered application is not recommended.

Centered Vertical Elements
Power Options/Locations

Power Option:
- (N) None

Power Location:
- (N) None

Power Access Location:
- None

Note 42” Deep Vertical Element follows same logic.
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

3- and 4-Circuit Base Height Power Options: One Side/Inside Handed Verticals
- Specify power location (A) for base height access door blank cover: one side/inside
- Each Base Height Utility Access Location includes:
  - Junction Box
  - Vertical Base Access Door
- File Enclosure Vertical Element includes internal Power and Communication routing channels and power harness with modular connections.

Centered Vertical Element
Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (A) Vertical Base/One Side/Inside

Power Access Location:
- Base Height

One Base Height Utility Access Location:
A 22" deep handed Vertical Element with Power and Communication location (A) includes junction box and access door blank cover.

Note  42" Deep Vertical Element follows same logic.
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

3- and 4-Circuit Base Height Power Options: One side/Outside/Centered Handed Verticals
- Specify power location (J) for base height access: one side/outside
- Each Base Height Utility Access Location includes:
  - Junction Box
  - Vertical Base Access Door
  - Wall plate with 15 Amp duplex Decora receptacles and data port with blank cover
- File Enclosure Vertical Element includes internal Power and Communication routing channels and power harness with modular connections.

Centered Vertical Element
Power Options/Location

Power Option:
- (3) 3-Circuit
- (4) 4-Circuit

Power Location:
- (J) Vertical Base/One Side/Outside

Power Access Location:
- Base Height

One Base Height Utility Access Location:
A 22" deep handed Vertical Element with Power and Communication location (A) includes junction box and access door blank cover.

Note 42" Deep Vertical Element follows same logic.
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

Hardwire Base Height Power Options: One Side/Inside Handed Verticals
- Specify power location (A) for base height receptacles and data port: one side/inside
- Each Base Height Utility Access Location includes:
  - Junction Box
  - Vertical Base Access Door
- File Enclosure Vertical Element includes channels for routing Power and Communication. No power harness included. Requires field supplied conduit and wire.

Centered Vertical Element
Power Options/Location

Power Option:
- (C) Hardwire

Power Location:
- (A) Vertical Base/One Side/Inside

Power Access Location:
- Base Height

One Base Height Utility Access Location:
A 22" deep handed Vertical Element with power location (A) includes junction box and access door blank cover.

Note 42" Deep Vertical Element follows same logic.
File Enclosure: Horizontal and Vertical Elements

Vertical Element (for use with Reference Top or Reference Return)

Hardwire Base Height Power Options: One Side/Outside/Centered Handed Verticals
- Specify power location (J) for base height access: one side/outside
- Each Base Height Utility Access Location includes:
  - Junction Box
  - Vertical Base Access Door
  - Wall plate with 15 Amp duplex Decora receptacles and data port with blank cover
- File Enclosure Vertical Element includes internal routing channels only; no power harness.

Centered Vertical Element
Power Options / Location

Power Option:
- (C) Hardwire

Power Location:
- (J) Vertical Base/One Side/Outside

Power Access Location:
- Base Height

One Base Height Utility Access Location:
A 22" deep handed Vertical Element with Power and Communication location (J) includes (2) duplex receptacles and (1) data port with blank cover.

Note: 42" Deep Vertical Element follows same logic.
File Enclosure: Introduction to Application Planning Models

File Enclosure Shell
File Enclosure fundamental application planning guidelines are based on the following decisions:
• An individual Stand-Alone or an In-Line application
• A Single- or Double-Sided application

An Individual Stand Alone File Enclosure
• The File Enclosure Shell is for use as an individual stand-alone application.
• File Enclosure Shell consists of one Horizontal and two Verticals.
• Specified as a single catalog number.
• Always a stand-alone individual application.
• Not for use in an in-line multiple File Enclosure application.

22" Deep: Single-Sided File Enclosure

File Enclosure Shell

42" Deep: Double-Sided File Enclosure

File Enclosure Shell

Tips
• An individual stand-alone File Enclosure may be specified as a shell with a single product number or specified using individual Horizontal and Vertical Elements as multiple product numbers.
• All File Enclosure X Series Filing and Storage components must be separately specified.
• The File Enclosure Shell is available powered or non-powered.
• Backer option is available on 22" depth only.
**File Enclosure: Introduction to Application Planning Models**

**Horizontal and Vertical Elements**
An in-line File Enclosure application may consist of all Horizontal Elements and the designated Vertical Elements; Vertical Elements for use with Horizontal Elements.

**In-Line File Enclosure Application: Horizontal and Vertical Elements**
- An in-line File Enclosure application may consist of all Horizontal Elements and the designated Vertical Elements; Vertical Element for use with Horizontal Element.
- In-line File Enclosure application may consist of more than one Horizontal Element and the appropriate quantity and type of Vertical Elements.
- Horizontal Elements have a designated Vertical Elements; Vertical Elements for use with File Enclosure Horizontal Element.
- In-line File Enclosure application is specified as multiple catalog numbers.
- Horizontal and Vertical Elements are for use in an in-line application.
- All vertical elements must be the same height in an in-line File Enclosure application.

**22” Deep: Single-Sided File Enclosure**

![Single-Sided File Enclosure](image)

**42” Deep: Double-Sided File Enclosure**

![Double-Sided File Enclosure](image)

**Tips**
- A File Enclosure Shell is not for use in an In-Line File Enclosure application.
- The File Enclosure is available powered or non-powered.
- File Enclosure Backer option available on 22” depth only.
- File Enclosure components must be separately specified.
File Enclosure: Introduction to Application Planning Models

Horizontal and Vertical Elements with Reference Top

In-Line File Enclosure:
Horizontal and Vertical Elements with Reference Top — 30½" and 42½" High
- A Reference Top or Reference Return provide an open area below the top. Frequently used as stand-up height transaction areas or touch down areas within an In-Line File Enclosure application.
- The Reference Top must have a Horizontal Element on each side in an in-line File Enclosure application.
- The Reference Top has a designated Vertical Element. This is not the Vertical Element used with a Horizontal Element, it is a Vertical Element for use with a File Enclosure Reference Top.
- In-line File Enclosure application is specified as multiple catalog numbers.

22" Deep: Single-Sided File Enclosure

42" Deep: Double-Sided File Enclosure

Tips
- A File Enclosure Shell is not for use in an in-line File Enclosure application.
- All File Enclosure components must be separately specified.
- Vertical Elements are available powered or non-powered.
Horizontal and Vertical Elements/Reference Return

In-Line File Enclosure:
Horizontal and Vertical Elements with Reference Return — 30½" and 42½" High

- The Reference Return must be located at the end of an in-line File Enclosure application adjacent to a Horizontal Element.
- A Reference Return is a handed product; includes one Horizontal and one Vertical end.
- One side of the Reference Return has a designated Vertical Element. This is not the Vertical Element used with a Horizontal Element, it is a Vertical Element for use with a File Enclosure Reference Return.
- In-line File Enclosure application is specified as multiple catalog numbers.

22" Deep: Single-Sided File Enclosure

42" Deep: Double-Sided File Enclosure

Tips

- A File Enclosure Shell is not for use in an in-line File Enclosure application.
- All File Enclosure components must be separately specified.
- Vertical Elements are available powered or non-powered.
File Enclosure: In-Line File Enclosure Application Guidelines

**Horizontal and Vertical Elements**
- Horizontal Elements and the designated Verticals are available 22” deep for a single-sided application or 42” deep for a double-sided application.
- Design In-Line File Enclosure with all Horizontal Elements or use an alternate horizontal such as a Reference Top or Reference Return.
- In-Line File Enclosure applications with a Reference Top or Reference Return must have one or more Horizontal and Vertical Elements.
- **All Horizontals and Verticals must be the same height and depth in an In-Line File Enclosure application.**
- All horizontals must be used with the designated Vertical Elements:
  - Horizontal Elements have a designated Vertical Element.
  - Reference Top and Reference Return are for 30½” or 42½” high applications and use the same designated Vertical Element.

**In-Line Workstation File Enclosure Application with Horizontal and Vertical Elements**
- All X Series files and storage are separately specified in an In-Line File Enclosure application.
- All Horizontals and Vertical are separately specified in an In-Line File Enclosure application (Exception: One Vertical end is included with a Reference Return).
- Optional base height power and communication access is available in Vertical Elements for use with Horizontal Elements.
- A File Enclosure Shell is not for use in an In-Line File Enclosure application.

*Note* The horizontal plane in an In-Line File Enclosure application may be all Horizontal Elements.
Reference Top and Vertical Elements
- Use a Reference Top in an In-Line File Enclosure application to design a seated or stand-up height open work area.
- In-Line File Enclosure applications with a Reference Top must have at least two Horizontal and Vertical Elements.
- A Reference Top is for use in 30½" and 42½" high applications.
- All Horizontals and Verticals must be the same height and depth in an In-Line File Enclosure application.
- Reference Tops and the designated Verticals are available 22” deep for a single-sided application or 42” deep for a double-sided application.
- All Horizontals must be used with the designated Vertical Elements:
  - Horizontal Elements have designated Vertical Elements.
  - Reference Tops have designated Vertical Elements.
- A Reference Top provides an open space beneath the horizontal to the floor.
- A Reference Top is not for use with File Enclosure Backer.
- All Horizontals and Verticals are separately specified in an In-Line File Enclosure application (Exception: One Vertical end is included with a Reference Return).
- Optional base height power and communication access is available in Vertical Elements for use with Reference Top.
- A Reference Top is available with an optional cutout for a separately specified Flip Top Unit for desk height power and communication access.
- A File Enclosure Shell is not for use in an In-Line File Enclosure application.

In-Line File Enclosure Application with Reference Top and Vertical Elements

**Storage File Enclosure:**
- **Seated Height** — 30½” High
- **Stand-Up Height** — 42½” High

![Diagram of In-Line File Enclosure Application with Reference Top and Vertical Elements](image)
File Enclosure: In-Line File Enclosure Application Guidelines

Reference Return and Vertical Element
- Use a Reference Return in an In-Line File Enclosure application to design a seated or stand-up height open work area.
- In-Line File Enclosure applications with a Reference Return must have at least one Horizontal Element.
- A Reference Return is located at the end of a File Enclosure application; the Reference Return must be located adjacent to a Horizontal and Vertical Element.
- A Reference Return is for use in 30½" and 42½" high applications.
- All Horizontals and Verticals must be the same height and depth in an In-Line File Enclosure application.
- Reference Returns and the designated Verticals are available 22” deep for a single-sided application or 42” deep for a double-sided application.
- All horizontals must be used with the designated Vertical Elements:
  - Horizontal Elements have designated Vertical Elements.
  - Reference Returns have designated Vertical Elements.
- A Reference Return provides an open space beneath the Horizontal to the floor.
- A Reference Return is not for use with File Enclosure Backer.
- All Horizontals and Verticals are separately specified in an In-Line File Enclosure application (Exception: One vertical end is included with a Reference Return).
- Optional base height power and communication access is available in Vertical Elements for use with Reference Return.
- The Vertical end included with the Reference Return is non-powered and has no internal power and communication routing channels.
- A Reference Return is available with an optional cutout for a separately specified Flip Top Unit for desk height power and communication access.
- A File Enclosure Shell is not for use in an In-Line Enclosure application.

In-Line File Enclosure application with Reference Return and Horizontal Elements

Storage File Enclosure:
Seated Height — 30½” High

Storage File Enclosure:
Stand-Up Height— 42½” High
File Enclosure: Specifying Vertical Elements

Understanding Handed Vertical Elements in a Horizontal Element Application

In-Line File Enclosure: Horizontal and Vertical Elements
The horizontal planes in these applications are all Horizontal Elements. Horizontal Elements have a designated Vertical Element only for use with a Horizontal Element. All Horizontal and Vertical Elements are separately specified.

22" Deep: Single-Sided File Enclosure — 42½" High
• Refer to the Horizontal Element location to determine the handedness.

Note The File Enclosure Shell is not applicable in this application.

• A Horizontal Element located in a mid-application requires center Vertical Elements.

Note The same guidelines apply to a 42" deep double-sided In-Line File Enclosure application.
File Enclosure: Specifying Vertical Elements

Understanding Handed Vertical Elements in a Reference Top Application

In-Line File Enclosure: Reference Top, Horizontal and Vertical Elements
The horizontal planes in this application are Horizontal Elements and Reference Tops. Horizontals and Reference Tops each have a designated Vertical Element. In an In-Line File Enclosure application, all Horizontal and Vertical Elements are separately specified.

![Diagram of In-Line File Enclosure with Reference Top, Horizontal Elements, and Vertical Elements.]

**Note** The File Enclosure Shell is not applicable in this application.

File Enclosure Vertical Elements (for use with Reference Top)
22” Deep: Single-Sided File Enclosure
The Reference Top is always located in a mid-application between two Horizontal Elements and requires centered Verticals; a centered right and a centered left. Refer to each adjacent Horizontal Element when determining handedness of the Reference Top Centered Vertical Element.

![Diagram of Reference Top with Centered Left and Centered Right Vertical Elements.]

**File Enclosure Vertical Elements (for use with File Enclosure Horizontal Elements)**
22” Deep: Single-Sided File Enclosure
A Horizontal Element in an end of File Enclosure application requires a left- or right-hand Vertical Element. Refer to the Horizontal Element location to determine the handedness.

![Diagram of Horizontal Element with Left-Hand and Right-Hand Vertical Elements.]

**Note** The same guidelines apply to a 42” deep double-sided in-line File Enclosure application.
File Enclosure: Specifying Vertical Elements

Understanding Handed Vertical Elements in a Reference Return Application

Reference Return
- The Reference Return includes a horizontal plane and one Vertical end.
- Reference Returns are available for left- or right-hand applications.
- Separately specify a Reference Return Vertical Element for the inboard side adjacent to the Horizontal Element.

### Left-Handed Reference Return (-L)

### Right-Handed Reference Return (-R)

**Note** The File Enclosure Shell is not applicable in this application.

In-Line File Enclosure: Reference Return, Horizontal and Vertical Elements
The horizontal planes in this application are a Horizontal Element and a Reference Return. Horizontals and Reference Returns each have a designated Vertical Element. In an In-Line File Enclosure application, all Horizontals and Verticals are separately specified.

**22" Deep: Single-Sided File Enclosure**

**File Enclosure Vertical Elements:**
(for use with Reference Top/Reference Return)

The Reference Return is always located at the end of an application and requires a centered right or a centered left Vertical Element. Refer to the adjacent Horizontal Element when determining handedness of the Reference Return Centered Vertical Element.

**File Enclosure Vertical Elements:**
(for use with File Enclosure Horizontal Elements)

A Horizontal Element in an end of File Enclosure application requires a left- or right-hand Vertical Element. Refer to the Horizontal Element location to determine the handedness.

**Tip** The same guidelines apply to a 42" deep double-sided in-line File Enclosure application.
File Enclosure Application: Specifying the File Enclosure Shell

File Enclosure Shell
Only an individual Stand-Alone File Enclosure application may be specified utilizing the File Enclosure Shell.

File Enclosure Shell
• Single catalog number
• The File Enclosure Shell includes the Horizontal and right-and left-Verticals

Individual Stand Alone File Enclosure Planning Model
• 22” Deep: Single-sided Individual Stand-Alone File Enclosure application

Product Specification:

22” Deep Single-Sided File Enclosure Shell
• Single Catalog Number: QQUA-____-40____ N
• One 22” Deep: File Enclosure Shell; includes Horizontal and two Verticals

42” Deep Double-Sided File Enclosure Shell
• Single Catalog Number: QQUE-____-40____ N
• One 42” Deep: File Enclosure Shell; includes Horizontal and two Verticals

Tip
The File Enclosure Shell is always used in an individual Stand-Alone File Enclosure Application; not for use in an attached multiple File Enclosure application.
**File Enclosure: Specifying Horizontal and Vertical Elements**

**Horizontal and Vertical Elements**
- An In-Line File Enclosure application is specified utilizing the Horizontal and Vertical Elements.
- An In-Line File Enclosure application may consist of all Horizontal Elements and the designated Vertical Elements; Vertical Element for use with Horizontal Element.
- All Horizontal and Vertical Elements are separately specified.

**In-Line File Enclosure Planning Model**

22” Deep: Single-Sided In-Line File Enclosure Application
- Multiple catalog numbers
File Enclosure: Specifying Horizontal and Vertical Elements

Horizontal and Vertical Elements: Product Specification, continued

22" Deep: Single-Sided In-Line File Enclosure Application

Multiple Catalog Numbers:

A: Two 22" Deep File Enclosure Horizontal Elements
   (QQHA-00...-00...N)

File Enclosure Vertical Elements:
   (for use with File Enclosure Horizontal Elements)

B: One Left-Hand
   (QQVA-...00-40...NL)
C: One Center
   (QQVA-...00-40...NC)
D: One Right-Hand
   (QQVA-...00-40...NR)

42" Deep: Single-Sided In-Line File Enclosure Application

Multiple Catalog Numbers:

A: Two 42" Deep, File Enclosure Horizontal Elements
   (QQHE-00...-00...N...N)

File Enclosure Vertical Elements
   (for use with File Enclosure Horizontal Elements)

B: One Left-Hand
   (QQVE-...00-40...NL)
C: One Center
   (QQVE-...00-40...NC)
D: One Right-Hand
   (QQVE-...00-40...NR)
File Enclosure: Specifying Horizontal and Vertical Elements

Reference Top, Horizontal and Vertical Elements

• An In-Line File Enclosure application is specified utilizing the Horizontal and Vertical Elements.
• An In-Line File Enclosure application may consist of all Horizontal Elements or an alternate Horizontal such as a Reference Top or Reference Return. An In-Line File Enclosure application with a Reference Top must have at least two Horizontal and Vertical Elements. Also required are the designated Vertical Elements for each type of Horizontal.
• All Horizontal and Vertical Elements are separately specified.

Reference Top, Horizontal and Vertical Elements

Horizontal Element

Vertical Element
(for use with Horizontal Elements)

Reference Top

Vertical Element
(for use with Reference Top)

In-Line File Enclosure Planning Model

• 22" Deep: Single-Sided
• In-Line File Enclosure application with Reference Top
• Multiple catalog numbers

Reference Top (30 ½” High)

Reference Top (42 ½” High)
File Enclosure: Specifying Horizontal and Vertical Elements

Reference Top, Horizontal and Vertical Elements, continued

22" Deep Single-Sided In-Line File Enclosure Application with Reference Top

Multiple Catalog Numbers:
A: Two 22" Deep, File Enclosure Horizontal Element
   (QQHE-00_00_00_N)
B: One 22" Deep, File Enclosure Reference Top
   (QTTE-00_00_00_NNN)

File Enclosure Vertical Elements:
(for use with File Enclosure Horizontal Elements)
C: One Left-Hand
   (QQVE-4200-40_00_NL)
D: One Right-Hand
   (QQVE-4200-40_00_NR)
E: One Centered Right (for use with Reference Top)
   (QQVE-4200-40_00_NE)
F: One Centered Left (for use with Reference Top)
   (QQVE-4200-40_00_ND)

42" Deep: Double-Sided In-Line File Enclosure Application with Reference Top

Multiple Catalog Numbers:
A: Two 42" Deep, File Enclosure Horizontal Elements
   (QQHE-00_00_00_00_N)
B: One 42" Deep, File Enclosure Reference Top
   (QTTE-00_00_00_NNN)

File Enclosure Vertical Elements:
(for use with File Enclosure Horizontal Elements)
C: One Left-Hand
   (QQVE-4200-40_00_NL)
D: One Right-Hand
   (QQVE-4200-40_00_NR)
E: One Centered Right (for use with Reference Top)
   (QQVE-4200-40_00_NE)
F: One Centered Left (for use with Reference Top)
   (QQVE-4200-40_00_ND)
File Enclosure: Specifying Horizontal and Vertical Elements

Reference Return, Horizontal and Vertical Elements
- An In-Line File Enclosure application is specified utilizing the Horizontal and Vertical Elements.
- An In-Line File Enclosure application may consist of all Horizontal Elements or use an alternate Horizontal such as a Reference Top or Reference Return. An In-Line File Enclosure application with a Reference Return must have at least one Horizontal Element. Also required are the designated Vertical Elements for each type of Horizontal.
- All Horizontal and Vertical Elements are separately specified.

Reference Return, Horizontal and Vertical Elements

In-Line File Enclosure Planning Model
- 22" Deep: Single-Sided
- In-Line File Enclosure application with Reference Return
- Multiple catalog numbers

Tips
- The Reference Return includes Horizontal and one Vertical end.
- Reference Returns are available for left- or right-hand applications.
File Enclosure: Specifying Horizontal and Vertical Elements

Reference Return, Horizontal and Vertical Elements: Product Specification

22” Deep: Single-Sided In-Line File Enclosure Application with Reference Return

Multiple Catalog Numbers:

A: One 22” Deep, File Enclosure Horizontal Element  
(QQHA-00  _ _ - 00  _ _  _ N)
B: One 22” Deep, File Enclosure Reference Return; Right-Hand  
(QQMA-4200-40 _ _ _ _NR)

File Enclosure Vertical Elements:  
(for use with File Enclosure Horizontal Elements)

C: One Left-Hand  
(QQVA-4200-40 _ _ _ _NL)
D: One Centered Right (for use with Reference Return)  
(QQVA-4200-40 _ _ _ _NE)

Note: The same guidelines apply to a 42” deep double-sided in-line File Enclosure application.

42” Deep: Double-Sided In-Line File Enclosure Application with Reference Return

Multiple Catalog Numbers:

A: One 42” Deep, File Enclosure Horizontal Elements  
(QQHE-00  _ _ - 00  _ _  _ N)
B: One 42” Deep, File Enclosure Reference Return; Right-Hand  
(QQME-42-40  _ _ _ _NR)

File Enclosure Vertical Elements:  
(for use with File Enclosure Horizontal Elements)

C: One Left-Hand  
(QQVA-4200-40 _ _ _ _NL)
D: One Centered Right (for use with Reference Return)  
(QQVA-4200-40 _ _ _ _NE)

Note: Reference Return Includes Horizontal and one handed Vertical; located at the end of the File Enclosure application.
File Enclosure: Recap to Application Planning Models

A File Enclosure is designed using one of two planning models:

1. For an individual stand-alone File Enclosure the planning model begins with a File Enclosure Shell. The File Enclosure Shell is offered as a single catalog number for the ease of specification for Stand-Alone File Enclosure applications with a 78”, 102”, or 126” wide footprint.

2. For an In-Line File Enclosure the planning model begins with Horizontal and Vertical Elements. A Horizontal may be a Horizontal Element, Reference Top, or a Reference Return. Each of these Horizontals have a designated Vertical Element. All Horizontal and Vertical Elements are separately specified.

**File Enclosure Shell**
- File Enclosure Shells are for use in a Individual Stand-Alone File Enclosure Application

**In-Line File Enclosure Application**
- File Enclosure Horizontal and Vertical Elements
  - For use in an In-line File Enclosure application

- File Enclosure Shells are not intended for use in-line File Enclosure applications. This Application creates an undesirable aesthetic due to side-by-side Verticals.

- An in-line File Enclosure application must be specified using the individual File Enclosure Horizontal and Vertical Elements.

- File Enclosure Shells are not for use with Reference Top or Reference Return.

- Separately specified File Enclosure Horizontal and Vertical Elements are for use in a Reference Top or Reference Return application.

**Tips**
- Backer option available on 22” deep File Enclosures only; not for use on Reference Top or Reference Return.
Patterns Power Overview
Patterns File Enclosure applications may be Non-Powered, 3-Circuit, 4-Circuit, or Hardwire.

Non-Powered option consists of the following:
- No power or communication capabilities. There are no internal Power and Communication routing channels; no utility cutouts or power access openings. Field retrofitting to a powered application is not recommended.

3-Circuit power system consists of the following:
- Three Hots
- Three Neutrals
- One Ground Wire
- One Isolated Ground

4-Circuit power system consists of the following:
- Four Hots
- Two Neutrals
- One Ground Wire
- One Isolated Ground

Hardwire power system consists of the following:
- Field supplied wire or conduit

All power solutions include junction box, 15 amp Decora Duplex receptacles, and Decora wall plate.

Patterns File Enclosure power applications are for use with 120 volt, 60 hertz power sources.
- In a powered In-Line File Enclosure application choose either a 3- or 4-Circuit power solution; it is not recommended to use both 3- and 4-Circuit power systems in the same In-Line File Enclosure application.
- Each powered stand-alone File Enclosure Shell requires a separately specified power infeed.
File Enclosure Application: Power Management

Patterns Power Overview

• Power components include harness, jumpers, connectors, junction box, receptacles, and a communication port or a blank cover.
• When power option is specified, File Enclosure Shells, Horizontal Elements, and Vertical Elements include power components for 3- and 4-Circuit applications. Separately specify power infeeds.
• The modular electrical harness for Vertical Elements in an In-Line 3- or 4-Circuit powered File Enclosure application is factory installed.
• The modular electrical jumpers for Horizontal Elements in an In-Line 3- or 4-Circuit powered File Enclosure application require field installation.
• A hardwire power application requires field supplied conduit and wire to distribute internal power which functions like the modular harness and jumpers in a 3- or 4-Circuit power application; junction box, receptacles, and a communication port or a blank cover are included.
• Decora communication access covers must be field supplied.
• Vertical base height utility access locations include two Decora-style duplex receptacles.
• Receptacle circuit designation to be field wired by an electrician; factory wired to circuit one. In large In-Line File Enclosure applications the receptacles must be rewired by an electrician to another circuit for proper loading of each circuit.
• Power applications should be reviewed by local authority prior to ordering.

Vertical harness, horizontal harness, and circuit distributor included with 3- and 4-Circuit power applications.

Vertical Element/Vertical Base Height

Building Power Access:
• For use with File Enclosure Horizontal; located on the inside of the vertical.
• For use with File Enclosure Reference Top or Reference return; located on the inside of the vertical.

Vertical Element/Vertical Base Height Utility Access:
• For use with File Enclosure Reference Top or Reference return; located on the outside of the vertical.

Building Power Access
(No receptacle or communication access)
A: Blank Access Door at Base Location (cover matches laminate or wood vertical finish)
B: Bezel with Blank Cover
C: Junction Box

Desk Height Utility Access
A: (2) Decora 15 amp Duplex Receptacles
B: (1) Decora Communication Access Port with Blank Cover
C: Wall Plate
D: Vertical Access Door
E: Junction Box

Note: Centered Vertical Element for use with Horizontal Element includes (2) Blank Access Doors.
Patterns Power Overview

Horizontal, Reference Top, and Reference Return:
• Available with 3- or 4-Circuit power, Hardwire, or Non-powered.
• Available with optional cutout(s) in the surface for separately specified Flip Top Unit(s) to access desk height receptacles and communication.

Vertical Elements:
• Vertical Elements for use with Horizontal are available with 3- or 4-Circuit power, Hardwire, or Non-powered; not available with receptacle and communication access.
• Vertical Elements for use with Reference Top or Reference Return are available with 3- or 4-Circuit power, Hardwire, or Non-powered; available with receptacle and communication access in select locations.
• The Vertical End included with the Reference Return is non-powered, only.

Receptacle and Communication Access
• For receptacle and communication access located in the Horizontal, Reference Top, or Reference Return specify a factory installed cutout in the top for a separately specified Flip Top Unit.
• For receptacle and communication access located in the Vertical Element for use with the Reference Top or Reference Return, specify 3-Circuit, 4-Circuit, or hardwire power option with power location (J) for vertical base height receptacles and communication.

Notes
• One Flip Top Unit is centered on a 42" deep Horizontal, Reference Return, or Reference Top.
• One Receptacle and Communication access location is centered on a 42" deep Vertical Element for use with Reference Top or Reference Return.
File Enclosure Application: Power Management

Cutout location on the File Enclosure Horizontal houses the Flip Top Unit for Desk Height Power and Communication Access.

22" Deep Horizontal
- The cutout is 5 3/4" from the back edge on a 22" deep horizontal

42" Deep Horizontal
- The cutout is centered on a 42" deep horizontal

Horizontal with Cutout Option (H): One cutout per Horizontal

Horizontal Width – One Top: 60", 72", 84", 90", 108", and 120"

Horizontal Width – Two Tops: 126", 144", and 168"

Note Cutout location is the same on a 22" deep and 42" deep File Enclosure Horizontal; centered within the top.

Horizontal with Cutout Option (L): Two cutouts per Horizontal
- Dimension A = Edge of Horizontal to cutout centerline

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<th>HORIZONTAL (INSIDE WIDTH)</th>
<th>DIMENSION A</th>
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<td>14 7/8&quot;</td>
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<td>84&quot;</td>
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<td>17 7/8&quot;</td>
</tr>
<tr>
<td>168&quot;</td>
<td>20 7/8&quot;</td>
</tr>
</tbody>
</table>
File Enclosure Application: Power Management

Patterns power components are designed to address three functions:
1. **In**: Power distribution from building to the File Enclosure.

The graphic below depicts a 3- or 4-Circuit File Enclosure power application. Use this graphic to become familiar with some of the File Enclosure electrical components, internal channels, and terminology.

**Desk Height Power Application**

**Notes**
- Junction Box assembly includes: Communication Bracket, Mud Ring, Decora Receptacles, and Decora Communication Plate.
- Base and desk height power access are combined in the Vertical—requiring field retrofitting. Specify the Vertical with 3- or 4-Circuit desk height power and separately specify base height power components for field retrofitting. Components include wall plate, vertical access door, and receptacles.
1. In: Base Feeds

There are two types of base feed modules for distributing power from the building to your File Enclosure application: Standard Base Feed or Quick Connect Base Feed.

Standard Base Feed module supplies building power from the floor, wall, or column. Specify the base feed module with the corresponding number of circuits (3- or 4-Circuits) as specified in the File Enclosure application or a hardwired solution.

Base Feed module available options:
• Standard Base Feed for 3- and 4-Circuit includes conduit connection.
• Standard Base Feed for Hardwire connection with field supplied wires.
• Quick Connection for 3- and 4-Circuit and Power Base AI system beneath the raised floor.

The Standard Base Feed for 3- and 4-Circuit applications include a 72" long ½" inch diameter Liquid Tight conduit, 8-Wire, and conduit fittings for connection to the junction box at base of the Vertical. The conduit enters the Vertical through the glide sleeve cable access to the base height junction box. There is an exposed four foot section of conduit which extends from the glide sleeve. An optional base feed cover is available for this condition, if desired. Base feed attachment hardware is field supplied.

The Standard Base Feed for Hardwire application includes 72" long ½" diameter liquid tight conduit. Wires to be field supplied.

Building Power Access
(no receptacle or communication access)

3- and 4- Circuit File Enclosure Vertical Element for use with:
• Horizontal Element; located on the inside of the Vertical Reference Top or Reference Return; located on the inside of the Vertical.

Base Height Power
(includes receptacle or communication access)

3- and 4- Circuit Vertical Element for use with:
• Reference Top or Reference Return; located on the outside of the Vertical.

Base Feed Cover

The two-piece Base Feed Cover is an option available for aesthetic purposes. It covers the exposed base feed conduit and communication cables when the building power supply is within the floor. The base feed cover is an applicable option for the Standard base feed Module in 3-Circuit, 4-Circuit, and hardwire power applications.
• 72" long x 4" wide x 1¼" high aluminum cover may be field cut to length as needed.
• Standard in Metallic Champagne.
File Enclosure Application: Power Management

1. In: Base Feeds

Power Base AI Modular Base Feed is for use with raised floors equipped with Power Base AI modular power. The Power Base AI feed for 3- and 4-Circuit applications includes a flexible metal conduit with modular connector and conduit fitting for connection to the junction box at base of the Vertical. The conduit enters the Vertical Element at the base height junction box and exits from under the glide sleeve of the Vertical Element.

**Base Height Power**

![Diagram of Base Height Power](image)

Electrical Components:
- Power Base AI feed beneath a raised access floor for use with Patterns.

**Internal Glide Sleeve Detail**

Verticals in a File Enclosure Shell and the Vertical Elements in an In-Line File Enclosure application have the identical internal glide sleeve detail.

The sleeve telescopes up into the Vertical and provides access to the leveling glides. Two leveling glides are provided with each Vertical Element and provide 1½” adjustment range.

The internal sleeve has break-away sections for field modification. Removing sections allow for routing power and communication from the building to the Vertical Element internal channel.

**Critical dimensions for base feed module application:**
- Cables may be routed directly through the bottom of the Vertical Element.
- The access opening is 3.75” x 1.75”.

**22” Deep Top View:**

![22” Deep Top View](image)

**42” Deep Top View:**

![42” Deep Top View](image)
File Enclosure Application: Power Management

1. In: Top Feeds

Top Feed modules supply power from the space above the ceiling. The Top Feed for 3- and 4-Circuit applications include electrical harness, junction box, ceiling bezel plates, top feed pole, Vertical trim, and hardware. The conduit enters the Vertical Element at the top and is routed through the internal channel to the modular power connector at the top of Vertical and then routes to base height junction box. Top feed houses power and communication cables.

Top Feed Assembly

- Top feed electrical harness is included with 3- or 4-Circuit power options.
- In a hardwire application the conduit and wire must be field supplied.
- Two-piece pole is standard in Metallic trim colors.
- Installed pole depth is 4½” wide x 2” deep.

The pole length for 3-Circuit, 4-Circuit, and Hardwire applications is dependent upon the File Enclosure application height. The harness length for 3- and 4-Circuit power is also dependent on the height of the application. The other critical dimension is the ceiling height. Top feeds are available for 10’ and 12’ ceiling heights. To specify a Top Feed, refer to the Price List application chart.

Top Feed installation requires field modification of the Vertical and Vertical trim. Field drill hole in top of the Vertical top trim and cut a notch in Vertical trim.

Building Power Access at Vertical Base
(no receptacle or communication access)
File Enclosure Application: Power Management

1. In: Top Feed

The Top Feed conduit is routed through the internal Vertical channel and point of entry in the Vertical is a set location. The product application must work with the power source location and the ceiling architecture to align with the File Enclosure Vertical point of entry.

- Vertical top trim to be field modified for Top Feed module application.

Dimensions for Top Feed Module Application:

22" Deep: Single-Sided File Enclosure

42" Deep: Double-Sided File Enclosure
Patterns power components are designed to address three functions:
1. **In**: Power distribution from building to the File Enclosure.

**File Enclosure with Horizontal Tops**

Power and communication access in a File Enclosure application with Horizontal top(s) is accessed through the use of a Flip Top Unit. The Horizontal top(s) in a File Enclosure Shell or in an In-Line File Enclosure application is specified with a factory installed cutout(s) in the surface to accommodate a separately specified Flip Top Unit(s). Flip Top Location (H) provides one cutout per Horizontal top; location (L) provides two cutouts per Horizontal top.

The verticals for use with Horizontal top(s) are not available with receptacle and communication user access. In a 3-, 4-Circuit, and Hardwire application the vertical is available with a blank access door; the junction box allows the power infeed module access to the building power.

**File Enclosure Shell: Desk Height Power 3- or 4-Circuit Application**

**22” Deep: Single-Sided**

- Flip Top Unit provides Desk Height Power In the Horizontal
- Cutout requires separately specified Flip Top Unit.
- Vertical Power Harness

**42” Deep: Double-Sided**

- Horizontal Power Jumper
- Left and Right-hand Vertical Element includes a Junction Box and (1) Blank Access Door
- Bezel with Blank Cover
- Blank Access Door

**Notes**

- Internal channels house the horizontal power jumpers and vertical harness included with 3- and 4- Circuit applications.
- Power Option (C) Hardwire; includes internal channels; Vertical power harness and horizontal power jumpers are not included in a hardwire application. Conduit and wire to be field supplied.

**Flip Top Unit**

- Separately specify a Flip Top Unit for each cutout. 3- or 4-Circuit unit includes conduit with a modular connector for attachment to the horizontal electrical jumper.

EQE1-00000-33
Patterns power components are designed to address three functions:
1. **In**: Power distribution from building to the File Enclosure.

**In-Line File Enclosure with Horizontal Elements**

**Desk Height Power and Communication Access: 3- or 4-Circuit Application**
- Flip Top Unit provides Desk Height power in the Horizontal.

22” Deep: Single-Sided

- Centered Vertical Element for use with Horizontal Element includes a Junction Box and (1) Blank Access Doors; left side of the Vertical.

42” Deep: Double-Sided

- Cutout requires separately specified Flip Top Unit.

**Notes**
- Verticals for use with Horizontal are not available with receptacle and communication access.
- 3- or 4-Circuit left- and right-hand Vertical Element for use with Horizontal Element includes a Junction Box and (1) Blank Access Door (on the inside of the vertical).
- Internal channels house the horizontal power jumpers and vertical harness included with 3- and 4-Circuit applications.
- Power Option (C) Hardwire; includes internal channels; Vertical power harness and horizontal power jumpers are not included in a hardwire application. Conduit and wire to be field supplied.

3- and 4-Circuit Powered Verticals include a junction box and blank access plate which allow the power infeed module to access the building power. Powered Verticals have internal channels and access openings at the top of the Vertical which allow the horizontal jumper to pass through the top of the Vertical.

**Flip Top Unit**
- Separately specify a Flip Top Unit for each cutout. 3- or 4-Circuit unit includes conduit with a modular connector for attachment to the horizontal electrical jumper.
File Enclosure Application: Power Management

Patterns power components are designed to address three functions:
1. **In**: Power distribution from building to the File Enclosure.

**In-Line File Enclosure with Reference Top: 3- or 4-Circuit Application**
Power and communication access for a Reference Top in an In-Line File Enclosure application is accessed through the use of a Flip Top Unit in the Reference Top or at Base Height in the Vertical Element for use with Reference Top or Reference Return.

**Vertical Base Height Power and Communication Access**
- For Vertical Base height power the Vertical Element for use with Reference Top or Reference Return is specified with power location (J) which provides receptacle and communication access on the outside of the vertical, only. Specify power option: (3) 3-Circuit or (4) 4-Circuit.
- Powered verticals have access openings at the top of the vertical which allow the horizontal jumper to pass through the top of the Vertical.

**22” Deep: Single-Sided**

**42” Deep: Double-Sided**

**Notes**
- Internal channels house the horizontal power jumpers and vertical harness included with 3- and 4-Circuit applications.
- Power Option (C) Hardwire; includes internal channels; Vertical power harness and horizontal power jumpers are not included in a hardwire application. Conduit and wire to be field supplied.
File Enclosure Application: Power Management

Patterns power components are designed to address three functions:
1. **In:** Power distribution from building to the File Enclosure.
2. **Through:** Horizontal and Vertical Power Distribution.
3. **Out:** Receptacle Access.

**In-Line File Enclosure with Reference Top**

*Desk Height Power and Communication Access: 3- or 4-Circuit Application*

- To access power and communication through a separately specified Flip Top Unit the Reference Top is specified with Flip Top Location (H). This provides one factory installed cutout per top for the field installed Flip Top Unit. Specify power option: (3) 3-Circuit or (4) 4-Circuit.
- Powered Verticals have internal channels; and access openings at the top of the Vertical which allow the horizontal jumper to pass through the top of the Vertical.

**22” Deep: Single-Sided**

- Vertical Harness with Power Connector
- Vertical Elements for use with Reference Top
  - 3- or 4-Circuit Powered Horizontal
  - Power Location (A):
    - Junction box allows the power infeed module to access the building power.

**42” Deep: Double-Sided**

- Vertical Harness with Power Connector
- Vertical Elements for use with Reference Top
  - 3- or 4-Circuit Powered Horizontal
  - Power Location (A):
    - Junction box allows the power infeed module to access the building power.

**Notes**
- Internal channels house the horizontal power jumpers and vertical harness included with 3- and 4- Circuit applications.
- Power Option (C) Hardwire; includes internal channels; Vertical power harness and horizontal power jumpers are not included in a hardwire application. Conduit and wire to be field supplied.
Patterns power components are designed to address three functions:
1. **In**: Power distribution from building to the File Enclosure.

**In-Line File Enclosure with Reference Return: 3- or 4-Circuit Application**

Power and communication access for a Reference Return in an In-Line File Enclosure application is accessed through the use of a Flip Top Unit in the Reference Top or at Base Height in the Vertical Element for use with Reference Top or Reference Return.

**Vertical Base Height Power and Communication Access**

For Vertical Base height power the Vertical Element for use with Reference Top or Reference Return is specified with power location (J) which provides receptacle and communication access on the outside of the vertical, only. Specify power option: (3) 3-Circuit or (4) 4-Circuit.

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**22” Deep: Single-Sided**

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**42” Deep: Double-Sided**

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**Notes**
- Internal channels house the horizontal power jumpers and vertical harness included with 3- and 4- Circuit applications.
- Power Option (C) Hardwire; includes internal channels; Vertical power harness and horizontal power jumpers are not included in a hardwire application. Conduit and wire to be field supplied.
Patterns power components are designed to address three functions:
1. **In**: Power distribution from building to the File Enclosure.

**In-Line File Enclosure with Reference Return**

**Desk Height Power and Communication Access: 3- or 4-Circuit Application**
- To access power and communication through a separately specified Flip Top Unit the Reference Return is specified with Flip Top Location (H). This provides one factory installed cutout per top for the field installed Flip Top Unit. Specify power option: (3) 3-Circuit or (4) 4-Circuit.
- Powered Verticals have internal channels; and access openings at the top of the Vertical which allow the horizontal jumper to pass through the top of the Vertical.

**22” Deep: Single-Sided**

**42” Deep: Double-Sided**

**Notes**
- Internal channels house the horizontal power jumpers and vertical harness included with 3- and 4-Circuit applications.
- Power Option (C) Hardwire; includes internal channels; Vertical power harness and horizontal power jumpers are not included in a hardwire application. Conduit and wire to be field supplied.
File Enclosure Application: Power Management

3. Out: Flip Top Unit for Reference Top and Reference Return — Desk Height Power

The Flip Top Unit spring release cover offers two positions: closed or fully open.

When closed, the Flip Top bezel is proud to the table top. When open, the Flip Top Unit projects 1" above the table top (facing the user).

Cutout Dimensions: 11” x 4”
- Cutout accepts Flip Top Units with (6) Utility Access Ports.

Flip Top Unit Options

3- or 4-Circuit Option
(requires circuit number specification)

Hardwire Option

The File Enclosure Horizontal Element, Reference Top and the Reference Return are available with factory installed cutouts which are for use with a separately specified Flip Top Unit for Desk Height Power and Communication Access.

Notes
- The Hardwire Flip Top Unit does not include a modular connector; requires an electrician for installation. Specify the Hardwire power option (-C) and power location option (-H) for a factory installed cutout in the Reference Top or Reference Return. Horizontal is available with cutout option (-L) for one cutout or (-H) for two cutouts.
- For use with 120 volt 60 hertz power source only.
3. Out: Flip Top Units

The Flip Top Unit includes multiple data jack adapters to accommodate most field supplied data jacks. Also included are blank data covers to be used if no data access is needed. Data jacks are field supplied.

- Three 15 amp rated simplex power receptacles
- Three data information access ports

**Data Jack Adapters Included**

- Perimeter edge of power receptacles and data ports face plate standard in white.
- Simplex power receptacles standard in white; included with Flip Top Unit.
- Data jack adapters standard in white; included with Flip Top Unit. (See manufacturer list for field supplied data jacks)

**Manufacturer’s List of Field Supplied Data Jacks**

- Systimax/CommScope
- Tyco SL and 110 Connect Series Modular Jacks
- Siemon Keystone Style
- Allen Tel Versa Tap Series
- Leviton Quick Port® Series
- Nordx Keystone Style
- Tyco SL Coupler Series
- ADC (Krone) 6000 Series
- Hubbell Xcelerator™ Keystone Series
- Blank (no coupler/jack)
- Ortonics TracJack Series
- Panduit Mini-Com Series
- Microphone Jack/3-Pin XLR (solder type only)
- Video Monitor Jack/DB-15 (panel mount solder style)

**Tip**

- The File Enclosure Horizontal, Reference Top, and Reference Return Flip Top Unit cutout dimensions are not the same as the Bench Flip Top Unit cutout dimensions; not interchangeable between product categories.

**Note**

- Flip Top Units are available in multiple sizes to accommodate various receptacles and communication configurations. The (EQE1-0000-33) Flip Top unit is dimensioned to fit the File Enclosure Horizontal, Reference Top, or Reference Return factory installed cutout for 3-Circuit, 4-Circuit, or Hardwire applications.
Bench: Introduction

The Patterns Bench provides temporary seating with optional access to power and communication. As part of the Patterns offering, the Bench can be utilized with other Patterns products to carry a consistent theme, or used by itself.

Bench Application
Temporary Seating

Tip
Tailored product solutions are available to accommodate architectural needs. For access to an electronic design tool to support a tailored product application contact your supplier for availability and user information.
Bench: Terminology and Statement of Line

Introduction to Patterns Bench product terminology is shown below. These terms will be used throughout the Specification Guide. This terminology also describes the aesthetic detail unique to Patterns.

Bench Statement of Line

Benches are available in two depths: 22" and 30".

Benches are available in three standard widths: 78", 102", and 126".

Front Elevations

Tip  Glide Sleeve allows Bench height to adjust 1 1/2".
Bench: Product Features

- 3” thick Horizontal and Vertical Ends; available in laminate or wood
- 22” or 30” depths
- Optional lower shelf and cushion

Power Options:
- Non-powered
- Single Circuit with cord
- 3-Circuit, 8-Wire
- 4-Circuit, 8-Wire
- Hardwire

Power Location:
- Specify power location “H” for a power cutout.
- Horizontal Top: one cutout per horizontal for Flip Top Unit

72” Wide Powered Bench

96” – 120” Wide Powered Bench

Optional Cushion

Cutout for separately specified Flip Top Unit.

Optional Shelf

Flip Top Unit

Note: If the optional cushion is specified for a 72” wide powered bench it will be a one piece cushion. Cushions for the 96” and 120” wide powered benches will consist of two pieces due to the centered location of the flip top unit.

Tip: For powered Bench application, specify cutout for separately specified Flip Top Unit; Bench power is not accessible on the Vertical End.
Patterns Bench Shelf
A shelf is available as an option to accommodate storage needs.
• 1” thick shelf available in laminate or wood.
• Includes anodized aluminum trim along front edge of shelf.
• The shelf is centered below the structural support.
• The structural support acts as a shelf back.
• Bench shelf must be specified with the bench.
• Bench shelf material matches the bench.

"A" Shelf Dimensions

| 22" Deep Bench | 9" |
| 30" Deep Bench | 13" |
Bench: Cushion

The bench cushion is available as an option, or may be separately specified.
- 5/8” thick bench cushion consists of foam insert and fabric cover stitched along perimeter edges.
- Cushion has two-sided reversible surface with same fabric patterns and colorway on both sides.
- Cushion is positioned freely with 1/2” exposed horizontal top around bench edges; includes non-slip material.
- Cushion is one piece for a non-powered bench.
- Cushion is one piece for a 72” wide powered bench and two pieces for 96” and 120” wide powered benches.

Non-Powered Bench: Cushion Quantity and Dimensions
- Non-powered bench cushion is one piece.

<table>
<thead>
<tr>
<th>BENCH DEPTH</th>
<th>BENCH WIDTH (INSIDE WIDTH)</th>
<th>CUSHION WIDTH</th>
<th>CUSHION DEPTH</th>
<th>CUSHION COUNT</th>
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<td>71”</td>
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<td>96”</td>
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<td>120”</td>
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Powered Bench: Cushion Quantity and Dimensions
- Bench cushion size and location is dependent upon Flip Top Unit cutout and bench width.

<table>
<thead>
<tr>
<th>BENCH DEPTH</th>
<th>BENCH WIDTH (INSIDE WIDTH)</th>
<th>CUSHION WIDTH</th>
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<td>120”</td>
<td>48.5”</td>
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</tbody>
</table>

Tips
- Cushions are two-sided reversible fabric; same fabric for both sides. If patterned fabrics are specified, patterns may not align between top and bottom.
- The bench cushion is recessed 1/2” in size to allow the horizontal bench surface to be exposed along all edges.
**Bench: Product Relationships**

The Patterns Bench can be nested below a Studio Table or convergent worksurface in a Studio Desking application for an additional horizontal surface.

The Patterns Bench has been designed to be used as temporary seating in a stand-alone application.

---

**Do not use a Patterns Bench:**

- With a Convergent or Conferencing Worksurface
- To Support a Workwall
- In a Stacked Application; (above one another)

Benches do not physically link together to form a continuous bench application.

Application creates a double vertical end detail between benches.

The Bench has a suggested maximum seating capacity of up to four users on a 120” wide powered Bench.

---

Plan View
Patterns Bench depths have been designed to share like depths with other Patterns products to work together within the floor plate.

**22" Deep Patterns Bench**

- 22" Deep Patterns Bench
- 22" Deep Patterns Workwall
- 22" Deep Patterns File Enclosure

**30" Deep Patterns Bench**

- 30" Deep Patterns Bench
- 30" Deep Patterns Studio Table
Bench: Power Overview

Patterns Bench may be Non-Powered, 3-Circuit, 4-Circuit, Hardwire, or Single Circuit.

Non-Powered Option:
• No power capabilities. There are no internal cable routing channels; no utility cutouts or power access openings. Field retrofitting to a powered application is not recommended.

Single Circuit, 3-Circuit, 4-Circuit, and Hardwire Bench Applications
• Provide seated height power and communication with the use of a separately specified Flip Top Unit; Vertical base height power and communication access is not an available option.
• Power location (H) must be specified for a powered application; provides a factory installed cutout for a separately specified Flip Top Unit.
• For use with 120 volt, 60 hertz power sources.

3-Circuit, 4-Circuit, and Hardwire Bench Applications
• Includes a junction box and blank access door at the Vertical base utility location; no receptacles.
• Provide Vertical and Horizontal internal channels for the Base Feed Module and Flip Top Unit cable routing.
• Require a separately specified Base Feed Module and field wiring by an electrician.

Single Circuit Bench Applications
• Cord with plug.
• Do not have internal cable routing channels.
• Power location (H) must be specified for a powered application; provides a factory installed cutout for a separately specified Flip Top Unit.
• For use with 120 volt, 60 hertz power sources.
• Power applications should be reviewed by local authority prior to ordering.

Vertical harness, horizontal harness, and circuit distributor included with 3- and 4-Circuit power applications.
Bench: Product Details

Bench Seated Height Power and Communication Access

Optional Cutout Accommodates Separately Specified Flip Top Unit
- Cutout accommodates a separately specified 8¼" wide x 4¾" deep Flip Top Unit.
- Flip Top Unit includes two 15 amp rated simplex receptacles and two data information access ports.
- Includes blank data covers and data jack adapter.

Power Location:
- Option (H) — One Flip Top Cutout

Power Options:
- (1) Single Circuit
- (3) 3-Circuit
- (4) 4-Circuit
- (C) Hardwire

Optional Cutout Locations

Bench: 72" Wide
- Cutout is off-set in the Horizontal and 2" from back edge

Bench: 96" and 120" Wide
- Cutout is centered in the Horizontal and 2" from back edge

Plan View: Cutout Location

Tip
The Bench Flip Top Unit dimensions are not the same as the Studio Table, Workwall or File Enclosure Reference Top and Reference Return Flip Top Unit dimensions; not interchangeable due to the factory installed Flip Top Unit cutout dimensions.

Optional Cutout Locations

Power Location:
- Option (H) — One Flip Top Cutout

Power Options:
- (1) Single Circuit
- (3) 3-Circuit
- (4) 4-Circuit
- (C) Hardwire

Optional Cutout Locations

Bench: 72" Wide
- Cutout is off-set in the Horizontal and 2" from back edge

Bench: 96" and 120" Wide
- Cutout is centered in the Horizontal and 2" from back edge

Plan View: Cutout Location

Tip
A Single Circuit Bench application does not have utility box with blank access door.

Note
Flip Top Units are available in multiple sizes to accommodate various receptacle and communication configurations. The (EQE1-0000-221) Flip Top Unit for 3-Circuit, 4-Circuit, or Hardwire applications is dimensioned to fit the Bench factory installed cutout. The Flip Top Unit is available in four power options. Specify the appropriate power function to reflect the Bench power option.
Bench: Product Details

Utility Locations

Seated Height Power and Communication
Seated height power and communication Bench application with a Flip Top Unit includes a junction box and blank access door located at the Vertical base — no receptacles or data access is included with 3-Circuit, 4-Circuit, and Hardwire power options. Blank access door allows access to install the base feed power module and cable routing.

Power Location:
• Option (H)
  One Flip Top Cutout

Power Option:
• (3) 3-Circuit
• (4) 4-Circuit
• (C) Hardwire

Flip Top Unit for 3-Circuit, 4-Circuit, and Hardwire applications include conduit for attachment to the junction box.

Factory installed cutout for separately specified Flip Top Unit.

22" Deep Vertical End

30" Deep Vertical End

Blank Access Door Location:
Right-hand user facing Vertical end has a blank access door with junction box at base height (inside Vertical); no receptacles or communication ports.

Bench Shelf (optional)
**Bench: Power Options**

**Non-Powered Option**
- Specify power option (N) for a non-powered application; no receptacles or communication ports.
- For power option (N) there are no internal Power and Communication routing channels, utility access locations, or power access openings.
- Field retrofitting to a powered application is not recommended.

**Power Options/Locations:**
- (N) None

**Flip Top Power Location:**
- (N) None

**Power Access Location:**
- (N) None

---

**Single Circuit Power Option: Seated Height**
- Specify Power Option (1) Single Circuit and Flip Top Power Location (H) for Seated Height receptacles and communication ports; requires a separately specified Flip Top Unit.
- For a Single Circuit power option (1) there are no internal Power and Communication routing channels, utility access locations, or power access openings, power harnesses or jumpers in the Bench.
- Field retrofitting to a 3- or 4-Circuit powered application is not recommended.

**Flip Top Unit**
- Separately specify Flip Top Unit with cord for each cutout. Single circuit unit includes a 12 foot long/15 amp cord with plug.

**Power Option:**
- (1) Single Circuit

**Flip Top Power Location:**
- (H) One Flip Top Cutout

**Power Access Location:**
- Seated Height

---

**Note**
If Bench is specified with a Shelf, order a separately specified field installed Grommet.
Bench: Power Options

3 Circuit, 4-Circuit, and Hardwire Power Options: Seated Height
- Specify Power Option (3), (4) or (C) with Power Location (H) for Seated Height receptacles and communication ports; requires a separately specified Flip Top Unit.

Vertical End Base Height Utility Location Includes:

Flip Top Unit
- Separately specify a Flip Top Unit for each cutout. 3-Circuit, 4-Circuit, and Hardwire unit includes conduit for attachment to the junction box.

72” Wide Bench
Power Location (H)
- One cutout in horizontal

96” and 120” Wide Bench
Power Location (H)
- One cutout in horizontal

Tip
3-Circuit, 4-Circuit, or Hardwire Power Option with Power Location (N = none) is not a valid power selection; specify power option (3, 4, or C), with cutout location (H) for a seated height powered application.
Patterns power components are designed to address three functions:
1. **In**: Power distribution from building to the Bench.

1. **In: Base Feeds**

Base Feed Module available options:
- Standard Base Feed for 3- and 4-Circuit includes conduit connection.
- Standard Base Feed for Hardwire connection with field supplied wires.
- Quick Connection for 3- and 4-Circuit and Power Base AI system beneath the raised access floor.

Standard Base Feed Module
- 3- and 4-Circuit applications include a 72" long ½" inch diameter Liquid Tight conduit, 8-Wire, and conduit fittings for connection to the junction box at base of the Vertical. The conduit enters the Vertical through the glide sleeve cable access to the junction box for Flip Top Unit power applications. There is an exposed four foot section of conduit which extends from the glide sleeve. An optional base feed cover is available. Base feed attachment hardware is field supplied.
- Hardwire applications include a 72" long ½" diameter Liquid Tight conduit. Wires to be field supplied.

Base Feed Cover
The two-piece Base Feed Cover is an option available for aesthetic purposes and covers the exposed base feed conduit and communication cables when the building power supply is within the floor. The base feed cover is an applicable option for the Standard Base Feed Module in 3-Circuit, 4-Circuit, and Hardwire power applications.
- 72" long x 4" wide x 1¼" high aluminum cover may be field cut to length as needed.
- Standard in Metallic Champagne.

**3- and 4-Circuit Application**

---

Note: Base feed modules enter right-hand facing Vertical end, only; 3-Circuit, 4-Circuit, and Hardwire applications include a blank access door with junction box in this Vertical.
Bench: Power Management

1. In: Base Feeds

Power Base Al Base Feed Module
Power Base Al Modular Base Feed is for use with raised access floors equipped with Power Base Al modular power. The Power Base Al Base Feed for 3- and 4-Circuit applications includes a flexible metal conduit with modular connector and conduit fitting for connection to the junction box at base of the Vertical. The conduit enters the Vertical at base height and exits from under the Vertical Element.

Electrical Components: Power Base Al Base Feed for use with Patterns.

Tip Standard Base Feed EQEB-0000-() and Power Base Al Base Feed EQEB-0000-()F modules are for use with Studio Table, Workwall, File Enclosure, and Bench.

Note Base feed modules enter right-hand facing Vertical end, only; 3-Circuit, 4-Circuit, and Hardwire applications include a blank access door with junction box in this Vertical.
Bench: Power Management

1. In: Glide Sleeve
The glide sleeve detail is located at the bottom of each Vertical.

The internal glide sleeve telescopes up into the Vertical and provides access to the leveling glides. Two leveling glides are provided with each Vertical and provide 1½" adjustment range.

The internal sleeve has break-away sections for field modification. Removing sections allow for routing power and communication from the building to the Vertical internal channel.

Routing Power
- Power and communication may be routed directly through the bottom of the Vertical. The access opening is 3.75" x 1.75".

Power and communication opening the Vertical.

Top View: 22" Deep Bench

Top View: 30" Deep Bench
Bench: Power Management

2. Through
Internal power and communication channels are located in the Verticals and the Horizontal. The Flip Top Unit jumper routes from the junction box vertical through the Horizontal to the Flip Top Unit.

3. Out
The separately specified Flip Top Unit provides user access to power and communication.

Bench Flip Top Unit
• The Flip Top Unit spring release cover offers two positions: closed or fully open.
• Cutout accepts Flip Top Unit with (4) Utility Access Ports.

3-Circuit, 4-Circuit, and Hardwire Application

Flip Top Unit: Bezel Cutout Dimensions
• Cutout accepts Flip Top Units with (4) Utility Access Ports.

When closed, the Flip Top bezel is proud to the Horizontal. When open, the Flip Top Unit projects 1" above the Horizontal facing the user.

Tip
The Bench Flip Top Unit cutout dimensions are not the same as the Studio Table, Workwall or File Enclosure Reference Top, and Reference Return Flip Top Unit cutout dimensions; not interchangeable between product categories.
Bench: Power Management

3. Flip Top Units
The flip top unit includes multiple data jack adapters to accommodate most field supplied data jacks. Also included are blank data covers to be used if no data access is needed. Data jacks are field supplied.

- 15 amp rated simplex power receptacles
- Data information access ports

Data Jack Adapter Options

Manufacturer’s List of Field Supplied Data Jacks

<table>
<thead>
<tr>
<th>Manufacturer/Style</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systimax/CommScope</td>
<td>Tyco SL and 110 Connect Series Modular Jacks</td>
</tr>
<tr>
<td>Siemon Keystone Style</td>
<td>Allen Tel Versa Tap Series</td>
</tr>
<tr>
<td>Leviton Quick Port® Series</td>
<td>Nordx Keystone Style</td>
</tr>
<tr>
<td>Tyco SL Coupler Series</td>
<td>ADC (Krone) 6000 Series</td>
</tr>
<tr>
<td>Hubbell Xcelerator™ Keystone Series</td>
<td>Blank (no coupler/jack)</td>
</tr>
<tr>
<td>Ortonics TracJack Series</td>
<td>Panduit Mini-Com Series</td>
</tr>
<tr>
<td>Microphone Jack/3-Pin XLR (solder type only)</td>
<td>Video Monitor Jack/DB-15 (panel mount solder style)</td>
</tr>
</tbody>
</table>

Tip
The Bench Flip Top Unit is available in four power options, Single Circuit, 3-Circuit, 4-Circuit, and Hardwire. Specify the power option that matches the Bench power option.
**Worksurfaces: Introduction**

Worksurfaces are for use in Patterns Workwall and Studio Table applications.

**Worksurface Applications**
- Rectangular Convergent
- Key Conference End
- Rectangular Key

**In-Line Workwall Workstation**

**Individual Workwall Workstation**

**Studio Table Desking Application**
### Rectangular Convergent

**Widths:** 24", 30", and 36"

**Lengths:** 42" – 96"

- Dimensions shown are nominal; refer to product details for actual dimensions.
- Worksurface support must be separately specified.
Worksurfaces: Statement of Line

Key Conference End

- Depth: 39"
  - 30" W
  - 14" L

- Depth: 51"
  - 30" W
  - 23" L

- Depth: 63"
  - 36" W
  - 28" L

Rectangular Key

- Width: 48"
  - 30" D
  - 20" L

- Width: 60"
  - 36" D
  - 25" L

- Width: 72"
  - 42" D
  - 37" L

Tips
- Dimensions shown are nominal; refer to product details for actual dimensions.
- Worksurface support must be separately specified.
**Worksurfaces: Overview**

Each of these worksurface shapes have a dedicated application in a Patterns environment. These select shapes mirror the clean rectilinear Patterns product design.

![Rectangular Convergent](image1)

**Worksurfaces:**
- Laminate or Wood surface options
- Two worksurface thicknesses: $\frac{3}{16}$" and 2"
- $\frac{3}{16}$" thick worksurfaces have two core options: standard core or green core
- 2" thick worksurfaces available with a designated core
- Standard with edgeband trim
- Not available with factory installed grommets; must be separately specified
- Worksurface support must be separately specified

**Edgeband Detail: $\frac{3}{16}$" or 2" Thick Worksurfaces**

**Laminate**
- Laminate Surface with Specified Edge Trim Color

**Wood**
- Wood Surface with Matching Wood Edgeband

**Core Material Options**

**$\frac{3}{16}$" Standard Core:** Engineered composite panel made with 100% recycled and/or recovered wood fiber bonded with resin. Worksurfaces with this core are compliant with GREENGUARD™ and ANSI/BIFMA Standards for Low Emitting Products.

**$\frac{3}{16}$" Green Core:** Engineered composite panel made with 100% recycled wood fiber or 100% post-consumer recycled wood waste bonded with no-added-urea formaldehyde resin. Worksurfaces with this core are compliant with GREENGUARD™ and ANSI/BIFMA Standards for Low Emitting Products.

**2" Core:** 2" thick tops are made with engineered composite frame and skins made with 100% recycled and/or recovered wood fiber bonded with resin. Frame rails and Kraft paper honeycomb are bonded between the skins. Worksurfaces with this core are compliant with GREENGUARD™ and ANSI/BIFMA Standards for Low Emitting Products.
Worksurfaces: Overview

Edgeband Application and Actual Dimensions

Worksurfaces are standard with 1mm and/or 3mm edgeband trim. The edgeband location is dependent upon the worksurface shape and thickness.

Rectangular Convergent
• 1\(\frac{3}{16}\)” thick
  - 3mm edgeband on user edges front and back
  - 1mm edgeband on each end

• 2” thick
  - 3mm edgeband on all edges

Key Conference End
• 1\(\frac{3}{16}\)” thick
  - 3mm edgeband on all user edges
  - 1mm edgeband on back edge

• 2” thick
  - 3mm edgeband on all edges

---

### NOMINAL VS (ACTUAL) DIMENSIONS

#### WIDTHS

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#### LENGTHS

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<td>96” (95.68”)</td>
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---

### Notes
- Length dimension reflects the straight portion only — radii not included.
- Radius 6”.
Worksurfaces: Overview

Edgeband Application and Actual Dimensions

Rectangular Key

- 1½" thick
  - 3mm edgeband on all user edges
  - 1mm edgeband on back edge

- 2" thick
  - 3mm edgeband on all edges

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<thead>
<tr>
<th>NOMINAL VS (ACTUAL) DIMENSIONS</th>
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<th>LENGTH (FLAT ON FRONT EDGE)</th>
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Notes

- Length dimension reflects the straight portion only — radii not included.
- Radius 6".
Worksurfaces: Surface Grain Pattern and Direction

Surface Material Grain Pattern

**Double Cut Veneer Grain Pattern**
Double cut veneer has a consistent linear wood grain pattern as a result of the manufacturing process.

**Natural Veneer Grain Pattern**
Natural veneers can be cut in a number of different ways that provide different aesthetics. Plain cut veneers feature cathedrals and have a random organic pattern.

Surface Material Grain Direction

Arrows indicate the wood grain laminate direction and wood veneer grain direction.

**Rectangular Convergent**
- Wood grain direction on all lengths.

**Rectangular Key**
- Wood grain direction on all widths.

**Key Conference End**
- Wood grain direction on 39” and 51” deep worksurfaces.

**Key Conference End**
- Wood grain direction on 63” deep worksurfaces.
Worksurfaces App-07

**Product Details**

**Worksurfaces Support: Statement of Line**

**Worksurface Attachment Bracket Options**

- Floating Bracket: Worksurface
- Floating Bracket: Floor Supported Shelf
- Studio Table: Z-Bracket

![Bracket Options](image)

**Flush Mount Plates**

**Key Conference End Brackets**

![Bracket Options](image)

**Worksurface Floor Support Options**

- Worksurface Support End
- Double Support Leg
- Support Column

![Support Options](image)

**Adjustable Height Disc Base**

![Base Option](image)

**Note** Worksurface supports and brackets are separately specified.
Worksurfase Support: Statement of Line

X Series Attached Storage

Attached Pedestal

Attached Lateral File

Attached Combination Unit

Worksurfase Reinforcement Channels

Tip: Worksurfase Reinforcement Channels must be specified to provide additional support for worksurfases with 50" (1270mm) or larger spans.
Worksurface Support: Attachment Brackets

Worksurface support include three functional groups:

1. Attachment Brackets: attaches two surfaces together. Available for floating, flush or stepped surface applications.

2. Floor Support: provides floor support for Rectangular Convergent, Rectangular Key and Key Conference End worksurfaces. Available in several styles offering different aesthetic solutions and height adjustability range.

3. Worksurface Reinforcement Channels

Worksurface Attachment Bracket Options

Floating Bracket
There are two attachment brackets. One is for use with the Workwall Credenza Top and the other is for use with the Workwall Floor Supported Shelf.

For Worksurface (Workwall Credenza Top Application) or Floor Supported Shelf
- 16½" wide
- Height varies; for floating worksurface applications
- Product specification is dependent on the desired distance between surfaces and attachment surface;
- Specification options include:
  - 1½" or 2½" gap or open space between 1½" thick surfaces
  - 1½" or 2½" gap or open space between 2" thick surfaces
  - Attachment bracket for Workwall Credenza Top or Workwall Floor Supported Shelf; specify accordingly
  - Worksurface field drilling required for attachment hardware

Studio Table – Z-Bracket
The Studio Table Z-Bracket’s dedicated function is for attaching a convergent worksurface or rectangular key to a Studio Table. Specify the bracket to reflect the convergent worksurface thickness.
- 16½" wide
- Specification options include for use with 1¾" or 2" thick worksurface
- Worksurface field drilling required for attachment hardware

Flush Mount Plate
- 4" wide x 3" deep
- Includes one plate; specify required quantity per application
- Worksurface field drilling required for attachment hardware

Key Conference End Bracket
- 8" wide x 1¾" deep x 1¾" high
- Includes one plate; specify required quantity per application
- Worksurface field drilling required for attachment hardware
Worksurfaces App-07

**Worksurfaces Support: Floor Support**

**Worksurface Support Options**

**Worksurfaces Support End**
- Available in laminate or wood
- 18", 24", 30", or 36" deep
- 1½" or 2" thick; specify same thickness as attached worksurface
- Actual heights include 23½", 27", and 28"
- Adjustable glides provide a maximum 2½” height adjustment range
- Includes L-shaped attachment bracket; attaches to Rectangular Convergent worksurface
- Worksurface field drilling required for attachment hardware

**Tips**
- The 18” deep worksurface support end is suggested for use beneath a Workwall Credenza Top when back-to-back Rectangular Convergent worksurfaces are center mounted from the Credenza top.
- Patterns worksurface End for use with Rectangular Convergent worksurfaces.

**Double Support Leg**
- Standard in painted metal
- 24” or 30” deep
- 27” high standard with adjustable glides
- 6” adjustment range allow worksurface heights from 26” – 32”
- Includes attachment hardware for the Rectangular Convergent Worksurface
- Worksurface field drilling required for attachment hardware

**Support Column**
- Standard in painted metal
- 3” column diameter with a 6” square mounting plate
- 6” adjustment range allow worksurface heights from 26” – 32”
- Includes attachment hardware. Attaches into pre-drilled holes on Rectangular Convergent, Rectangular Key, and Key Conference End
- For use in Flush and Stepped Worksurface application only.

**Adjustable Height Disc Base**
- Standard in painted metal
- 21” base diameter
- 5” adjustment range allow worksurface heights from 27” – 32”
- Includes attachment hardware. Attaches into pre-drilled holes on Rectangular Convergent, Rectangular Key, and Key Conference End.
- For use in Flush and Stepped Worksurface application only.

**Worksurfaces Reinforcement Channels**

**Worksurfaces Reinforcement Channels**
- Available in various lengths
- Includes one metal U-shaped channel and attachment hardware
- Worksurface field drilling required

**Tip**
- Worksurfaces Reinforcement Channels must be specified to provide additional support for worksurfaces with 50” (1270mm) or larger spans.
**X Series Attached Storage Options**

**Attached Pedestal**
- Available as painted metal case with painted metal or wood drawer front
- Box/box/file or file/file drawer configuration
- 18", 24", or 30" deep (actual depths: 17", 23", or 29")
- Actual height 27½"
- Adjustable glides provide a maximum of 1" height adjustment range
- Includes attachment hardware; attaches to Rectangular Convergent Worksurface and the Workwall Credenza Top
- Worksurface field drilling required for attachment hardware

*Tip* A Workwall Credenza Top will accept an 18" deep attached pedestal, only.

**Attached Lateral File**
- Available as painted metal case with painted metal or wood drawer front
- 18" deep (actual depth: 18¾")
- 30", 36", or 42" wide
- Actual height 27½"
- Adjustable glides provide a maximum of 1½" height adjustment range
- Includes attachment hardware; attaches to Rectangular Convergent Worksurface and the Workwall Credenza Top
- Worksurface field drilling required for attachment hardware

**Attached Combination Unit**
- Available as painted metal case with painted metal or wood drawer front
- 18" deep (actual depth: 18¾")
- 30" wide
- Actual height 27½"
- Adjustable glides provide a maximum of 1½" height adjustment range
- Includes attachment hardware; attaches to Rectangular Convergent Worksurface and the Workwall Credenza Top
- Worksurface field drilling required for attachment hardware

*Note* Refer to the Steel Casegood/Files and Storage Price List for complete X Series availability.
Worksurfaces: Application Planning

Introduction to Application Planning Models
Patterns worksurface planning models include three methods of attachment; floating, flush or stepped for 1\(\frac{3}{16}\)” and/or 2” thick worksurfaces. The planning model is dependent upon which Patterns product the worksurface is being attached to and the thickness of both horizontal surfaces.

Floating Surface Application
In a floating surface application, the surfaces have an open space between them to create tiered surface heights. The open space between the surfaces may be 1\(\frac{1}{2}\)” or 2\(\frac{1}{2}\)”.

![Floating Surface Application Diagram]

**Tip**
A floating surface is a dedicated Workwall application. Specify one of the four Floating Bracket options; dependent on the desired amount of open space between surfaces (1\(\frac{1}{2}\)” or 2\(\frac{1}{2}\)” and if the floating surface is being attached to a Workwall Credenza Top or Workwall Floor Supported Shelf.

Flush Surface Application
In a flush surface application, the surfaces form a continuous plane. The top of each surface is the same height.

![Flush Surface Application Diagram]

**Tip**
In a flush surface application the two surfaces must be the same thickness.
### Stepped Surface Application

In a stepped surface application, the surfaces have a slightly stepped profile between them. The top of the worksurface is slightly lower than the Studio Table horizontal to accommodate the beveled edge detail.

![Stepped Surface Application Diagram](image)

**Tip**

A stepped surface is a dedicated Studio Table application. Specify Studio Table Z-bracket according to the worksurface thickness.
Worksurfaces: Application Planning Models at a Glance

Rectangular Convergent
Workwall Applications

Floating Surface Application
Workwall Credenza Top

Flush Surface Application
Workwall Credenza Top

Floating Surface Application
Workwall Floor Supported Shelf

Studio Table Application

Stepped Surface Application
Studio Table

Rectangular Key

Stepped Surface Application
Studio Table

Flush Surface Application
Workwall Credenza Top

Key Conference End

Flush Surface Applications

Workwall Credenza Top
Rectangular Convergent Worksurface

Studio Table
Rectangular Convergent Worksurface
Worksurface Support: Application Planning

Worksurface Attachment Brackets: Rectangular Convergent/Workwall Credenza Top

Floating Surfaces
In a floating surface application the surfaces have an open space between them to create tiered surface heights. The open space between the surfaces is dependent upon the preferred aesthetic; 1 1/2” or 2 1/2” open space or gap between surfaces. Specify the floating bracket to reflect the desired distance between surfaces; not the worksurface thickness. A floating surface planning model is used only in a workwall application. The floating bracket attaches the convergent worksurface to a Workwall Credenza Top or Workwall Floor Supported Shelf.

Floating Bracket: Worksurface (for Workwall Credenza Top application)

Floating Surfaces
The Rectangular Convergent or the Workwall Credenza Top surfaces may be either 1 3/16” or 2” thick. The bracket is designed to accommodate both of the available worksurface thicknesses. For balanced aesthetics it is recommended both surfaces are the same thickness.

The minimum surface overlap distance is 4 3/4” from the front edge of the Rectangular convergent to the front edge of the Workwall Credenza Top.

Attachment Bracket Height Options for 1 1/2” or 2 1/2” Open Space: Worksurface

ZUBG-0117-PNX

ZUBG-0217-PNX

Tip
Separately specify floor support for the opposite end of attached rectangular convergent or rectangular key worksurface to accommodate the desired worksurface height.
Worksurfaces App-11

Floating Surfaces
The Rectangular Convergent surface may be 1 3/16" or 2" thick. The bracket is designed to accommodate both of the available worksurface thicknesses.

The minimum surface overlap distance is 2 3/4" from the front the edge of the Rectangular Convergent to the front edge of the Workwall Floor Supported Shelf.

Floating Bracket: Floor Supported Shelf

Floating bracket is for use with the Floor Supported Shelf with or without the optional sliding door. Bracket does not interfere with the sliding door movement.

Attachment Bracket Height Options for 1 1/2" or 2 1/2" Open Space: Floor Supported Shelf

ZUBG-0117-PNA

ZUBG-0217-PNA

Tip
Separately specify floor support for the opposite end of attached rectangular convergent or rectangular key worksurface to accommodate the desired worksurface height.

Note
Installation of bracket requires field cutting of flippable track where bracket attaches.
Worksurface Support: Application Planning

Worksurface Attachment Brackets: Rectangular Convergent/Workwall Credenza Top

Floating Bracket: Worksurface (for Workwall Credenza Top application)

Recommended Surface Heights

### 1\(\frac{3}{16}\)" Thick Surfaces: 2\(\frac{1}{2}\)" Open Space

[ZUBG-0217-PNX]

![Diagram of 1\(\frac{3}{16}\)" Thick Surfaces: 2\(\frac{1}{2}\)" Open Space]

### 2" Thick Surfaces: 1\(\frac{1}{2}\)" Open Space and 2\(\frac{1}{2}\)" Open Space

[ZUBG-0117-PNX] [ZUBG-0117-PNX] [ZUBG-0217-PNX]
Worksurface Support: Application Planning

Worksurface Attachment Brackets: Rectangular Convergent/Workwall Floor Supported Shelf

Floating Bracket: Floor Supported Shelf

Recommended Surface Heights

1\(\frac{3}{16}\)" Thick Surfaces: 2\(\frac{1}{2}\)" Open Space

2" Thick Surfaces: 1\(\frac{1}{2}\)" Open Space and 2\(\frac{1}{2}\)" Open Space
Worksurface Support: Application Planning

Workurface Attachment Brackets: Rectangular Convergent or Rectangular Key/Workwall Credenza Top

Flush Surfaces
In a flush surface application the surfaces form a continuous plane. The top of the each surface is the same height.

• Workwall Credenza Top
• Rectangular Convergent
• Rectangular Key

Flush Mount Plate
Rectangular Convergent
The Rectangular Convergent Worksurface may be 1\(\frac{3}{16}\)” or 2” thick. Flush Mount Plate attaches Rectangular Convergent Worksurface to Workwall Credenza Top. Both surfaces must be the same thickness in a flush mount application.

Flush Surfaces

Flush Mount Plate
ZUBF-0000-PN
Two Flush Mount Plates required for a Rectangular Convergent Worksurface application.

Rectangular Key
The Rectangular Key Worksurface may be 1\(\frac{3}{16}\)” or 2” thick. Flush Mount Plate attaches Rectangular Key worksurface to Workwall Credenza Top. Both surfaces must be the same thickness in a flush mount application.

Flush Surfaces

Flush Mount Plate
ZUBF-0000-PN
Quantity of Flush Mount Plates required for a Rectangular Key Worksurface application depends on the worksurface width.

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<tr>
<td>72”</td>
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Tip
Separately specify floor support for the opposite end of attached rectangular convergent or rectangular key worksurface to accommodate the desired worksurface height.
Worksurfaced Support: Application Planning

Worksurfaced Attachment Brackets: Rectangular Convergent or Rectangular Key/Studio Table

Stepped Surfaces
A stepped surface planning model is used only in a Studio Table application. The Studio Table Z-Bracket attaches the convergent worksurface to the Studio Table and the surfaces have a slightly stepped profile between them. The top of the convergent worksurface is slightly lower than the Studio Table horizontal to accommodate the beveled edge detail. Specify the Studio Table Z-Bracket to reflect the attached convergent worksurface thickness.

The convergent surface may be 1\(\frac{3}{16}\)" or 2" thick. Specify the bracket to accommodate a specific worksurface thickness.
Worksurface Support: Application Planning

Worksurface Attachment Brackets: Rectangular Convergent or Rectangular Key/Studio Table

Studio Table Z-Bracket: Convergent Application

Rectangular Convergent
- Stepped Surfaces
- ½" surface height difference

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Rectangular Key
- Stepped Surfaces
- ½" surface height difference

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Tip
Separately specify floor support for the opposite end of attached rectangular convergent or rectangular key worksurface to accommodate the desired worksurface height.
Worksurface Support: Application Planning

Key Conference End Worksurfaces

The depth of a Key Conference End is designed for attaching two Rectangular Convergent Worksurfaces together to create a conference area. The 3" open space between the back edge of the Rectangular Convergent reflects the thickness of the vertical element and provides a wire management drop or accommodates the attached Privacy Screen.

The 3" open space between the (2) rectangular convergent worksurfaces will accommodate a single Privacy Screen or back-to-back Privacy Screens.

One ½” Thick Single Privacy Screen
Two ½” Thick Single Privacy Screens
Back-to-Back Application; Total Thickness 1”
Worksurface Support: Application Planning

Key Conference End Worksurfaces

Studio Desking/Key Conference End Application
• 3” thick vertical aligns with 3” open space between rectangular convergent worksurfaces.

Workwall/Key Conference End Application
Individual Workwall Shell

Workwall Horizontals and Verticals
• 3” thick vertical aligns with 3” open space between rectangular convergent worksurfaces.

Tips
• Separately specify worksurface attachment brackets for the rectangular convergent worksurfaces.
• Separately specify floor support for the rectangular convergent worksurface and the key conference end to accommodate the desired worksurface height.
Worksurfaces Support: Application Planning

Worksurface Attachment Brackets:
Rectangular Convergent Worksurfaces with Key Conference End

Flush Surfaces: Key Conference End
In a flush surface application the surfaces form a continuous plane. The top of each surface is the same height.

![Diagram of flush surfaces with Key Conference End](image)

The depth of a Key Conference End is designed for attaching two Rectangular Convergent Worksurfaces together to create a conference area. The Key Conference End Bracket attaches the separately specified Worksurface Support End and the Key Conference End.

Workwall Application

![Diagram of Workwall Application](image)

### Key Conference End Bracket
ZUBL-0208-PN

- For 1⅛” or 2” thick worksurface applications
- Recommend both surfaces to be same thickness

This application requires two Key Conference End Brackets. One Key Conference End bracket is required for each Rectangular Convergent Worksurface.

### Tips
- Separately specify the Worksurface Support End for floor support to accommodate the desired worksurface height.
- Separately specify attachment brackets for Workwall Credenza Top / Rectangular Convergent connection.
Worksurface Support: Application Planning

Worksurface Attachment Brackets:
Rectangular Convergent Worksurfaces with Key Conference End

Use the Double Support Leg as an alternate floor support option for a Key Conference End application.

The Rectangular Convergent Worksurfaces require the following support in Double Support Leg applications:
• ZZFK-__-PNFG: (2) Double Support Legs
• ZUBF-0000-PN: (4) Flush Mount Plates

The Support Column or the Adjustable Height Disc Base are recommended options to support the Key Conference End.

Separately specify the floor support for both the Rectangular Convergent Worksurfaces and the Key Conference End Worksurface.
Separately specify attachment brackets for the opposite end of the Rectangular Convergent Worksurfaces.
Workwall Credenza Top and Rectangular Convergent Floating Surface Application:

1-3/16” Thick Worksurfaces

2” Thick Worksurfaces

Credenza 25-3/4” 25-1/2”

Top

Top

Floating Surface Application:

1-3/16” Thick Worksurfaces

2” Thick Worksurfaces

Credenza 28-3/16”(*)

27-3/16”(*)

Between Surfaces

2-1/2” Open Space

2-1/2” Open Space

27”(*)

28”(*)

Worksurface Convergent 29-7/16”

29”

Worksurface

Worksurface

1-1/2” Open Space

1-1/2” Open Space

(*) Denotes the vertical clearance height for worksurface floor support options.
Workurface Support: Application Planning

Worksurface Floor Support Options: Rectangular Convergent, continued

The floor support options shown below may be used to support the Rectangular Convergent Worksurface in these floating surface application planning models.

- Floating Bracket: Worksurface (for Workwall Credenza Top application) provides 1½" or 2½" open space or gap between surfaces.

- Floor support required; choose the floor support option which best meets your application requirements.

Workwall Credenza Top
**Workwall Floor Supported Shelf and Rectangular Convergent**

**Floating Surfaces**
In a floating surface application the surfaces have an open space between them to create tiered surface heights. The open space between the surfaces is dependent upon the preferred aesthetic; $\frac{1}{2}$" or $\frac{3}{4}$" open space or gap between surfaces.

The Workwall Floor Supported Shelf is installed at a fixed height. The desired space between surfaces and the Rectangular Convergent Worksurface thickness influences the height of the Rectangular Convergent Worksurface. The floor support option for the opposite end of the Rectangular Convergent Worksurface is dependent on these surface height influencers.

**Floating Surface Application:** Workwall Floor Supported Shelf and Rectangular Convergent

<table>
<thead>
<tr>
<th>1-3/16&quot; Thick Surface with 2-1/2&quot; Open Space Between Surfaces</th>
<th>2&quot; Thick Surface with 1-1/2&quot; Open Space Between Surfaces</th>
<th>2&quot; Thick Surface with 2-1/2&quot; Open Space Between Surfaces</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image1.png" alt="Diagram" /></td>
<td><img src="Image2.png" alt="Diagram" /></td>
<td><img src="Image3.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

(*) Denotes the vertical clearance height for worksurface floor support options.

The floor support options shown below may be used to support the Rectangular Convergent Worksurface in these floating surface application planning models.

**Workwall Floor Supported Shelf**
- Provides $\frac{1}{2}$" or $\frac{3}{4}$" open space or gap between surfaces.
- Floor support required; choose the floor support option which best meets your application requirements.
Worksurface Support: Application Planning

Floor Support Options: Convergent Worksurface and Rectangular Key

Flush Surfaces
In a flush surface application the surfaces form a continuous plane. The top of each surface is the same height.

The Workwall Credenza Top and the Rectangular Convergent Worksurface installed height and the thickness of these surfaces influences the height of the floor support option. The floor support option for the opposite end of the Rectangular Convergent Worksurface is dependent on these surface height influencers.

Flush Surface Application: Workwall Credenza Top and Rectangular Convergent

1 3/16" Thick Surfaces

2" Thick Surfaces

2" Thick Surfaces

(*) Denotes the vertical clearance height for worksurface floor support option

The floor support options shown below may be used to support the Rectangular Convergent Worksurface in these flush surface application planning models.

- Floor support required; choose the floor support option which best meets your application requirements.

Workwall Credenza Top

Double Support Leg

Support Column

Adjustable Height Disc Base

Flush Mount Plates

- Floor support required; choose the floor support option which best meets your application requirements. Worksurface Support End not a valid option.
Worksurface Support: Application Planning

Floor Support Options: Workwall Credenza Top with Convergent Worksurface(s)

Application:
- Workwall Shell or In-Line Workwall
- Credenza Top
- Convergent Worksurface(s)

Worksurface Planning Model

Flush Application

Floating Application

The credenza top requires a floor support element when back-to-back convergent worksurfaces are center mounted from the credenza top.

- The credenza top requires a floor support element when a convergent worksurface is center mounted from the credenza top.

- Credenza top floor support is not required if the convergent worksurface is 24" or 30" wide and located directly next to a vertical. For 36" wide convergent worksurface, floor support is required.
Worksurface Support: Application Planning

Floor Support Options: Workwall Credenza Top with Convergent Worksurface(s)

Credenza Top Recommended Floor Support Option:
- 18” deep Worksurface Support End; flush or floating worksurface application.
- Support Column for a flush worksurface application, only.

Back-to-Back Convergent Worksurface(s): Center Mounted

18” deep Worksurface Support End for a flush or floating worksurface application.
Support Column for a flush worksurface application, only.

Convergent Worksurface Center Mounted

Notes
- 1¼” and 2” thick Convergent worksurface unsupported spans of 50” or greater require a separately specified Reinforcement Channel.
- Same Credenza Top support guidelines apply to center mounted Key Conference End application.

Freestanding end of a convergent worksurface requires a floor support element. Choose the floor support element which best meets your design needs. Support Column and Adjustable Height Disc Base are for flush applications only.

Worksurface Support End
ZUFS-__-__

Double Support Leg
ZZFK-__-__-PNFG

Support Column
WUCC-0004

Adjustable Height Disc Base
ZZFZ-2121-PFN

X Series Attached Pedestal

X Series Attached Lateral File

Tip
18” deep Worksurface Support End to support Credenza Top is available in three heights to accommodate flush or floating applications.
Worksurface Support: Application Planning

Floor Support Options: Rectangular Convergent and Rectangular Key Worksurface

Stepped Surfaces
In a stepped surface application the surfaces have a slightly stepped profile between them.

The Studio Table height is standard at 29” high. The thickness of the Rectangular Convergent Worksurface is the only height influencer in a stepped surface application. The floor support option for the opposite end of the Rectangular Convergent Worksurface is dependent on this surface height.

Stepped Surface Application: Studio Table and Convergent Worksurface

1\(\frac{3}{16}\)” Thick Rectangular Convergent Worksurface

2” Thick Rectangular Convergent Worksurface

(*) Denotes the vertical clearance height for worksurface floor support options.

The floor support options shown below may be used to support the a convergent worksurface in these stepped surface application planning models.

- Floor support required; choose the floor support option which best meets your application requirements.

Note: This application requires adjusting Studio Table glides to provide 27” clearance for Worksurface Support End.

Worksurface Support End
ZUFS-_ _ _ _-

Double Support Leg
ZZFK-_ _ _ _-PNFG

Support Column
WUCC-0004

Adjustable Height Disc Base
ZZFZ-2121-PFN

- Floor support required; choose the floor support option which best meets your application requirements. Worksurface Support End not a valid option.
**Floating Surfaces**

When using an attached X Series storage option in a floating surface application for convergent worksurface support, determine the vertical distance available based on the worksurface planning models and the worksurface thickness. The actual height of the X Series Attached Pedestal, Lateral File or Combination Unit is 27 1/2". The following Rectangular Convergent applications may be supported with X Series attached storage.

(*) Denotes the vertical clearance height for worksurface floor support options.

**Floating Surface Application: Workwall Credenza Top and Rectangular Convergent**

**Floating Surface Application: Floor Supported Shelf and Rectangular Convergent**

X Series attached storage options shown below may be used to support a 30" or 36" wide Rectangular Convergent Worksurface. Storage may be accessed outward of the worksurface end.

Tips

- X Series attached pedestal actual depths are 17", 23", and 29".
- X Series attached lateral file actual widths are 29 1/2", 35 1/2", and 41 1/4"; attached combination unit actual width is 29 1/2".
- Rectangular Convergent Worksurfaces actual widths are 23.97", 29.97", and 35.97".

Patterns
Worksurface Support: Application Planning

Floor Support: X Series Attached Pedestals and Rectangular Convergent Worksurface

Stepped Surfaces
When using an X Series attached storage option in a stepped surface application for convergent support the worksurface must be 1 3/16” thick.

Stepped Surface Application: Studio Table and Convergent Worksurface

(*) Denotes the vertical clearance height for worksurface floor support options.

Tip
In a Studio Table application the Rectangular Convergent Worksurface must be 1 3/8” thick when using an X Series attached storage option; pedestal, lateral file, or combination unit. A 2” thick Rectangular Convergent Worksurface does not provide the required vertical clearance height.

X Series attached storage options shown below may be used to support a 30” or 36” wide x 1 3/8” thick Rectangular Convergent Worksurface. Storage may be accessed outward of the worksurface end.

Tip
X Series attached Lateral File is available 30” and 36” wide; Combination Unit is available 30” wide, only.
**Workwall Application: Floating Surface**

- Workwall Floor Supported Shelf
- Workwall Credenza Top

**Workwall Application: Flush Surface**

- Workwall Credenza Top

**Studio Table Application: Stepped Surface**

- Studio Table

**Convergent Worksurface Floor Support Options**

- Worksurface Support End
- Double Support Leg
- Support Column (Flush or Step application only)
- Adjustable Height Disc Base (Flush or Step application only)
Workwall Credenza Top

Floating Surface Application

Flush Surface Application

X Series Attached Storage: Floor Support

Tip Specify length of Worksurface Reinforcement Channel to not interfere with X Series attached storage.
Key Conference End

• Use a Key Conference End at the end of two Rectangular Convergent worksurfaces to create a conference area. The depth of this worksurface is dimensioned for use in this application.

Rectangular Key

• The Rectangular Key Worksurface is not dimensioned to work with two rectangular convergent worksurfaces with a 3" gap between Convergent Worksurfaces.

• The Rectangular Key Worksurfaces is intended to be attached directly to a Studio Table or a Workwall Credenza Top.

Floating Bracket

There are two types of floating brackets; specify the correct type for your application.

For Worksurface (Workwall Credenza Top application)

• The thickness of the Workwall Credenza Top and the Rectangular Convergent Worksurface can be different or the same thickness. The bracket is designed for both applications.
  • ZUBG-____-PNX

For Floor Supported Shelf

• ZUBG-____-PNA
**Worksurfaces: Product Relationships**

**Studio Table Application**

Use a 1¾” thick rectangular convergent worksurface in a Studio Table application when using an X Series attached storage floor support option.

A 2” thick rectangular convergent worksurface does not provide the required vertical clearance needed for an X Series attached storage floor support option.

**X Series Attached Storage: Floor Support**

Attached Lateral File

Attached Combination Unit
Worksurfaces: Product Relationships

An X Series Common File Top can be used with either an X Series attached Lateral File or Combination Unit to create a convergent application.

X Series Attached Storage: Floor Support

- Lateral File
- Combination Unit

Tip: Refer to the Steel Casegoods/Files and Storage Price List for X Series Common File Top specification information.
Privacy Screen: Introduction

Patterns Privacy Screens offer seated height privacy above the surface and modesty below the surface.

Privacy Screen Applications

Straight Privacy Screen

Rectangular Convergent Worksurface with a Privacy Screen

Double-Sided Studio Table with Two Privacy Screens in a Shared Application

Rectangular Convergent Worksurfaces with a Privacy Screen in a Shared Application
Privacy Screen: Statement of Line

Straight Privacy Screens are available in four widths with or without the optional Wire Manager. Standard height is 28”.

**Straight Privacy Screen: Without Wire Manager**

**Straight Privacy Screen: with Wire Manager**

*Tip* Straight Privacy Screens mount to 1½", 2", and 3" thick surfaces.
Privacy Screen: Overview

- Double-sided ½" thick screen is available in a variety of fabric selections; non-tackable surface
- Widths: 30", 36", 42", and 48"
- Height: 28"
- Screen includes hardware for attachment to horizontal surface or worksurface
- Attaches to multiple surfaces:
  - 3" thick horizontal surfaces
  - 1¾" or 2" thick worksurfaces
- Attachment bracket design is different for screens with or without the optional Wire Manager
- Privacy Screen Wire Manager is not available as a separate catalog number for field retrofitting

A plastic spline is centered on the edge around the Privacy Screen perimeter. Supplier color standard in Champagne.

Privacy Screen is upholstered on both sides of the screen with the same pattern and colorway.

Tip
Privacy Screen is upholstered on both sides of the screen with the same pattern and colorway.

Privacy Screen

Without Wire Manager

With Wire Manager

Privacy Screen is a wood composite board with a grooved center around the perimeter to accommodate the plastic spline. All corners have a ¾" radius.
Privacy Screen: Terminology

Product specification of the Privacy Screen requires selecting one of these options:
- With Wire Manager
- Without Wire Manager

- If the Wire Manager option is **not** specified, a Patterns Privacy Screen includes standard screen-to-surface attachment hardware.
- If the Wire Manager option is specified, a Privacy Screen includes Wire Manager screen-to-surface attachment hardware which also houses the Wire Manager.

**Note** The Wire Manager for a Privacy Screen is not available as a separate catalog number for field retrofitting.

**Straight Privacy Screen:**
- **without Wire Manager**
  - Wire Manager Specification Option: (-N): None — no Wire Manager

- **with Wire Manager**
  - Wire Manager Specification Option: (-T): with Wire Manager

**Tips**
- Straight Privacy Screens attach to 1/2", 2" and 3" thick surfaces.
- Attachment brackets are field installed into the Privacy Screen internal mounting plates and the bottom of the horizontal surface.
- Horizontal surface requires field drilling for Privacy Screen installation.
- The optional Wire Manager screws into the Wire Manager Attachment Brackets; field installed.
Privacy Screen: Privacy and Modesty Heights

Specification of the Privacy Screen is based upon the thickness of the surface it is attached to; 1\(\frac{3}{16}\)”, 2”, or 3” thick horizontal surfaces.

A Privacy Screen includes internal mounting plates which are located behind the upholstered surface. The fixed height location of the internal mounting plate is dependent upon the thickness of the attached surface. The location of the internal mounting plates provide a consistent screen height above the surface regardless of the surface thickness. The below surface modesty height varies depending on the surface thickness.

The Standard or Wire Manager Attachment Brackets screw into the internal mounting plates.

Standard Attachment Bracket

Wire Manager Attachment Bracket for Wire Manager Option
Privacy Screen: Privacy Height Above and Modesty Height Below Surface

- Privacy Screen height above surface: 9"
- Privacy Screen Modesty height below surface:
  - 3” thick horizontal surface = 16”
  - 2” thick worksurface = 17”
  - 1¾” thick worksurface = 17¾”

Straight Privacy Screen Side Elevation

<table>
<thead>
<tr>
<th>Side Elevation</th>
<th>3” Thick Horizontal Surface</th>
<th>2” Thick Worksurface</th>
<th>1¾” Thick Worksurface</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constant 9”</td>
<td>9”</td>
<td>9”</td>
<td>9”</td>
</tr>
<tr>
<td>Privacy Screen</td>
<td>3”</td>
<td>2”</td>
<td>1-3/16”</td>
</tr>
<tr>
<td>Height above</td>
<td>16”</td>
<td>17”</td>
<td>17-13/16”</td>
</tr>
<tr>
<td>surface</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Privacy Screen modesty height below surface varies; dependent upon surface thickness

For a wire management cord drop between the back of the surface and the face of the screen, the recommended installation distance is up to a 1¼” gap.

If there is no need for a wire management drop, the surface may be installed flush to the face of the screen.

Tips

- Installation of the Privacy Screen will require field drilling the attached surface.
- Notify the installation team if a cord drop is needed prior to installing the product.
**Privacy Screen: with or without Wire Manager**

When designing with Privacy Screens, plan the lower storage casegood depths and locations to clear the attachment brackets. Lower storage must be located to avoid interference with the Privacy Screen Attachment Brackets.

The attachment bracket locations are the same for the Standard Attachment Bracket and the Wire Manager Attachment Bracket with Wire Manager.

**Attachment Brackets: Clearances**

*Plan View: depicts Privacy Screens without Wire Manager.*

<table>
<thead>
<tr>
<th>Size</th>
<th>Privacy Screen 30”</th>
<th>Privacy Screen 36”</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6”</td>
<td>20”</td>
</tr>
<tr>
<td></td>
<td>24-1/2”</td>
<td>26”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Privacy Screen 42”</th>
<th>Privacy Screen 48”</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6”</td>
<td>32”</td>
</tr>
<tr>
<td></td>
<td>36-1/2”</td>
<td>42-1/2”</td>
</tr>
</tbody>
</table>

**Note**

When designing with Privacy Screens with the Wire Manager option, the area between the attachment brackets will be occupied with the Wire Manager. Plan lower storage to avoid interference with attachment brackets and Wire Manager.

**Standard Attachment Bracket (without Wire Manager)**

**Wire Manager Attachment Bracket (with Wire Manager)**

*Tip* Screen attachment brackets are ¼” thick.
Privacy Screen: with or without Wire Manager

Product Application: X Series Attached Pedestals

If a convergent worksurface with Privacy Screen is supported with an X Series attached pedestal, the attachment brackets of a Privacy Screen will impact the depth and location of an X Series attached pedestal.

The pedestal depth and location must not interfere with the Privacy Screen Attachment Brackets or optional Wire Manager. Specify the appropriate depth pedestal and Privacy Screen width to accommodate your application.

In this application, the Privacy Screen Attachment Brackets interfere with the attached pedestal.

There are two planning options that avoid this condition:

Option One:
Reduce the width of the Privacy Screen so the attachment brackets do not interfere with the attached pedestal.

Option Two:
Reduce the depth of the attached pedestal so it does not interfere with the Privacy Screen Attachment Brackets.

X Series: Attached Pedestals

The pedestal depth and location must not interfere with the Privacy Screen Attachment Brackets or optional Wire Manager. Specify the appropriate depth pedestal and Privacy Screen width to accommodate your application.

There are two planning options that avoid this condition:

Option One:
Reduce the width of the Privacy Screen so the attachment brackets do not interfere with the attached pedestal.

Option Two:
Reduce the depth of the attached pedestal so it does not interfere with the Privacy Screen Attachment Brackets.

ATTACHED PEDESTAL EXTERIOR DEPTHS

<table>
<thead>
<tr>
<th>NOMINAL DEPTH</th>
<th>ACTUAL DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>18”</td>
<td>17”</td>
</tr>
<tr>
<td>24”</td>
<td>23”</td>
</tr>
<tr>
<td>30”</td>
<td>29”</td>
</tr>
</tbody>
</table>

Note: Actual pedestal height 27½".
Designing with Privacy Screen: without Wire Manager

Planning Guidelines:
• Specify the attached pedestal depth 6” less than the width of the convergent worksurface, if the Privacy Screen Attachment Bracket is directly adjacent to the attached pedestal.
• If a full depth attached pedestal is desired, specify the appropriate width Privacy Screen for positioning the screen attachment bracket(s) to avoid interference with the attached pedestal.
• Installed height of worksurface must provide adequate clearance height for pedestal. Refer to the worksurface section for additional guidelines.
• For a 29” high Rectangular Convergent Worksurface application, use 1¾” thick worksurface. A 2” thick convergent worksurface installed at 29” high may not be used with an X Series attached pedestal. This application provides a 27” worksurface clearance height which is not adequate for the 27½” high attached pedestal.

Convergent Worksurface with X Series Attached Pedestal and Privacy Screen

Use a reduced depth attached pedestal to avoid interference with Privacy Screen Attachment Brackets if located directly adjacent to one another.

For a reduced depth attached pedestal application, refer to this matrix to determine the appropriate pedestal depth for use with a 24”, 30”, or 36” wide convergent worksurface with Privacy Screen.

<table>
<thead>
<tr>
<th>CONVERGENT WORKSURFACE NOMINAL WIDTH</th>
<th>ATTACHED PEDESTAL NOMINAL DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>24”</td>
<td>18”</td>
</tr>
<tr>
<td>30”</td>
<td>24”</td>
</tr>
<tr>
<td>36”</td>
<td>30”</td>
</tr>
</tbody>
</table>

Use the same depth attached pedestal as convergent worksurface width, if the pedestal is positioned to avoid interference with the Privacy Screen Attachment Brackets. Positioning the attachment brackets to clear the pedestal is dependent upon the width of the Privacy Screen and the length of the worksurface.

For a full depth attached pedestal application, refer to this matrix to determine the appropriate pedestal depth for use with a 24”, 30”, or 36” wide convergent worksurface with Privacy Screen.

<table>
<thead>
<tr>
<th>CONVERGENT WORKSURFACE NOMINAL WIDTH</th>
<th>ATTACHED PEDESTAL NOMINAL DEPTH</th>
</tr>
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<tbody>
<tr>
<td>24”</td>
<td>24”</td>
</tr>
<tr>
<td>30”</td>
<td>30”</td>
</tr>
<tr>
<td>36”</td>
<td>30” *</td>
</tr>
</tbody>
</table>

*36” deep attached pedestal is not available.

Tip
The actual depth of an X Series attached pedestal is 1” less than the nominal dimension.
Designing with Privacy Screen: with Wire Manager

Planning Guidelines:
- Specify the attached pedestal depth 6” less than the width of the convergent worksurface surface, if the Privacy Screen Attachment Bracket or Wire Manager is directly adjacent to the attached pedestal.
- If a full depth attached pedestal is desired, specify the appropriate width Privacy Screen for positioning the screen attachment bracket(s) to avoid interference with the attached pedestal.
- Installed height of worksurface must provide adequate clearance height for pedestal. Refer to the worksurface section for additional guidelines.
- For 29” high Rectangular Convergent Worksurface application, use 1 3/16” thick worksurface; a 2” thick convergent worksurface installed at 29” high may not be used with an X Series attached pedestal. This application provides a 27” worksurface clearance height which is not adequate for the 27 1/2” high attached pedestal.

Convergent Worksurface with X Series Attached Pedestal and Privacy Screen
Use a reduced depth attached pedestal to avoid interference with Privacy Screen Attachment Brackets if located directly adjacent to one another.

For a reduced depth attached pedestal application, refer to this matrix to determine the appropriate pedestal depth for use with a 24”, 30”, or 36” wide convergent worksurface with Privacy Screen.

<table>
<thead>
<tr>
<th>X CONVERGENT WORKSURFACE NOMINAL WIDTH</th>
<th>Z ATTACHED PEDESTAL NOMINAL DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>24”</td>
<td>18”</td>
</tr>
<tr>
<td>30”</td>
<td>24”</td>
</tr>
<tr>
<td>36”</td>
<td>30”</td>
</tr>
</tbody>
</table>

Use the same depth attached pedestal as convergent worksurface width, if the pedestal is positioned to avoid interference with the Privacy Screen Attachment Brackets and Wire Manager. Positioning the attachment brackets to clear the pedestal is dependent upon the width of the Privacy Screen and the length of the worksurface.

For a full depth attached pedestal application, refer to this matrix to determine the appropriate pedestal depth for use with a 24”, 30”, or 36” wide convergent worksurface with Privacy Screen.

<table>
<thead>
<tr>
<th>X CONVERGENT WORKSURFACE NOMINAL WIDTH</th>
<th>Z ATTACHED PEDESTAL NOMINAL DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>24”</td>
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<td>30”</td>
</tr>
<tr>
<td>36”</td>
<td>30”*</td>
</tr>
</tbody>
</table>

*36” deep attached pedestal is not available.

Tip

The actual depth of an X Series attached pedestal is 1” less than the nominal dimension.
Privacy Screen: with or without Wire Manager

Product Application: X Series Mobile Pedestals (Box/Box/File or File/File)

When using an X Series mobile pedestal below a convergent worksurface with Privacy Screen, the pedestal depth and location must not interfere with the Privacy Screen Attachment Brackets or optional Wire Manager. Specify the appropriate depth pedestal and Privacy Screen width to accommodate your application.

In this application, the Privacy Screen Attachment Brackets interfere with the mobile pedestal.

There are three planning options that avoid this condition:

**Option One:**
Reduce the width of the Privacy Screen so the attachment brackets do not interfere with the mobile pedestal.

**Option Two:**
Reduce the depth of the mobile pedestal so it does not interfere with the Privacy Screen Attachment Brackets.

**Option Three:**
Locate the pedestal approximately 6" proud of the worksurface edge so it does not interfere with the Privacy Screen Attachment Brackets.

---

**X Series: Mobile Pedestals**

<table>
<thead>
<tr>
<th>MOBILE PEDESTAL EXTERIOR DEPTHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOMINAL DEPTH</td>
</tr>
<tr>
<td>18&quot;</td>
</tr>
<tr>
<td>24&quot;</td>
</tr>
<tr>
<td>30&quot;</td>
</tr>
</tbody>
</table>

**Note**  
Actual pedestal height 27½".
Privacy Screen: with Wire Manager

Product Application: Convergent Worksurface with X Series Mobile Pedestals (Box/Box/File or File/File)

Designing with Privacy Screen (with and without Wire Manager)

Planning Guidelines:
• Specify the mobile pedestal depth 6" less than the width of the convergent worksurface surface, if the Privacy Screen attachment bracket or Wire Manager is directly adjacent to the mobile pedestal.
• If a full depth attached pedestal is desired, specify the appropriate width Privacy Screen for positioning the screen attachment bracket(s) to avoid interference with the mobile pedestal. Or if desired, plan the full depth mobile pedestal to exceed the worksurface edge.
• Installed height of worksurface must provide adequate clearance height for pedestal. Refer to the worksurface section for additional guidelines.
• For a 29" high Rectangular Convergent Worksurface application, use 1⅜" thick worksurface; a 2" thick convergent worksurface installed at 29" high may not be used with an X Series mobile pedestal. This application provides a 27" worksurface clearance height which is not adequate for the 27½" high mobile pedestal.

Convergent Worksurface with X Series Mobile Pedestal and Privacy Screen

Use a reduced depth mobile pedestal to avoid interference with Privacy Screen Attachment Brackets if located directly adjacent to one another.

Without Wire Manager

With Wire Manager

For a reduced depth mobile pedestal application, refer to this matrix to determine the appropriate pedestal depth for use with a 24", 30", or 36" wide convergent worksurface with Privacy Screen.

<table>
<thead>
<tr>
<th>X CONVERGENT WORKSURFACE NOMINAL WIDTH</th>
<th>Z MOBILE PEDESTAL NOMINAL DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot;</td>
<td>18&quot;</td>
</tr>
<tr>
<td>30&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>36&quot;</td>
<td>30&quot;</td>
</tr>
</tbody>
</table>

Use the same depth mobile pedestal as convergent worksurface width, if the pedestal is positioned to avoid interference with the Privacy Screen Attachment Brackets and Wire Manager. Positioning the attachment brackets to clear the pedestal is dependent upon the width of the Privacy Screen and the length of the worksurface. If mobile pedestal is located directly adjacent to an attached bracket an/or Wire Manager, it will exceed the worksurface edge.

Without Wire Manager

With Wire Manager

For a full depth mobile pedestal application, refer to this matrix to determine the appropriate pedestal depth for use with a 24", 30", or 36" wide convergent worksurface with Privacy Screen.

<table>
<thead>
<tr>
<th>X CONVERGENT WORKSURFACE NOMINAL WIDTH</th>
<th>Z A MOBILE PEDESTAL NOMINAL DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>30&quot;</td>
<td>30&quot;</td>
</tr>
<tr>
<td>36&quot;</td>
<td>30&quot;</td>
</tr>
</tbody>
</table>

*36" deep attached pedestal is not available.

Tip: The actual depth of an X Series attached pedestal is 1" less than the nominal dimension.
Privacy Screen: with or without Wire Manager

Mobile Pedestal: Box/File
The attachment brackets and/or Wire Manager of a Privacy Screen will not impact the depth or location of a Patterns Series or X Series Box/File mobile pedestal. The pedestal depth and location will not interfere with the screen attachment brackets and/or Wire Manager.

Patterns Series: Mobile Pedestal

![Patterns Series Mobile Pedestal](image)

<table>
<thead>
<tr>
<th>NOMINALDEPTH</th>
<th>ACTUAL DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot;</td>
<td>18&quot;</td>
</tr>
<tr>
<td>24&quot;</td>
<td>24&quot;</td>
</tr>
</tbody>
</table>

**Note** Actual pedestal height 23”.

X Series: Mobile Pedestal

![X Series Mobile Pedestal](image)

<table>
<thead>
<tr>
<th>NOMINAL DEPTH</th>
<th>ACTUAL DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot;</td>
<td>17&quot;</td>
</tr>
<tr>
<td>24&quot;</td>
<td>23&quot;</td>
</tr>
</tbody>
</table>

**Note** Actual pedestal height 21½”.

Designing with Privacy Screen: with or without Wire Manager

**Planning Guidelines:**
- The pedestal depth may be full or reduced depth when designing with Patterns Series or an X Series Box/File mobile pedestal. Because the pedestal height is lower than the Privacy Screen Attachment Brackets and/or Wire Manager the pedestal depth will not interfere.
- Installed height of worksurface must provide adequate clearance height for pedestal. Refer to the Worksurface section for additional guidelines.

1⅞” or 2” Thick Convergent Worksurface with Privacy Screen
A full depth Patterns Series or an X Series Box/File mobile pedestal may be located directly adjacent to a Privacy Screen Attachment Bracket or Wire Manager due to the lower pedestal height.

Without Wire Manager

![Without Wire Manager](image)

With Wire Manager

![With Wire Manager](image)

**Note** Convergent Worksurface height range: 25½” to 30”.
Privacy Screen: Cable Management Options

The Privacy Screen Wire Manager may be used as a stand alone solution for horizontally routing cables beneath the surface. Select the Wire Manager option when initially ordering the Privacy Screen.

Privacy Screen: with Optional Wire Manager

Specification Option (-T): with Wire Manager

Note: The Privacy Screen Wire Manager is available through eParts for field retrofitting.

Horizontal Wire Manager Accessory

If additional cable management is required, separately specify the Horizontal Wire Manager Accessory to route cables from Privacy Screen-to-Privacy Screen in an in-line application.

- Horizontal Wire Manager accessory is available in four widths: 48", 72", 96", and 120" and can be field-cut to fill space between in-line Privacy Screens.

Horizontal Wire Manager Accessory (EUAW)

Number of Attachment Clips Shipped with Horizontal Wire Manager

<table>
<thead>
<tr>
<th>HORIZONTAL WIRE MANAGER LENGTH</th>
<th># OF CLIPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>48&quot;</td>
<td>5</td>
</tr>
<tr>
<td>72&quot;</td>
<td>7</td>
</tr>
<tr>
<td>96&quot;</td>
<td>9</td>
</tr>
<tr>
<td>120&quot;</td>
<td>11</td>
</tr>
</tbody>
</table>

The Horizontal Wire Manager Accessory slides into the Wire Manager Brackets which are attached to the Privacy Screen. The Horizontal Wire Manager Accessory bridges the cables between the Wire Manager screen attachment brackets from Privacy Screen-to-Privacy Screen.

Tips

- Horizontal Wire Manager accessory fits into the Privacy Screen Attachment Brackets of the required Wire Manager.
- For field cut applications, refer to chart to determine if additional attachment clips are needed.
Privacy Screen: Cable Management

Consider the need for cable management when designing with the Privacy Screen Wire Manager option.

Horizontal Surface Back-to-Back Application with Shared Privacy Screen(s)

One Privacy Screen with Optional Wire Manager
As a cost savings measure specify one Privacy Screen with the optional Wire Manager for use in a shared application between horizontal surfaces if a single Wire Manager is adequate for the cable management needs.

One Privacy Screen with Optional Wire Manager and Wire Manager Accessory
Wire manager accessory used to provide cable management for opposite user.

Two Back-to-Back Privacy Screens with Optional Wire Manager

If both users require the same cable management capabilities for routing cables, specify two Privacy Screens in a back-to-back application to accommodate individual cable management needs.

Tip
Privacy Screens may be installed flush to horizontal surface or set back to provide up to 1¼” of open space between back edge of surface and Privacy Screen for cord drop.
Privacy Screen: Product Relationships

A Privacy Screen may be used:

On Rectangular Convergent Applications

Workwall

On a Studio Table Application

On a File Enclosure Reference Return or Reference Top Application

On a Workwall Reference Return or Reference Top Application

In an In-line Privacy Screen Application for Continuous Privacy

Tip: Privacy Screens do not physically attach together.
Privacy Screen: Product Relationships

DO NOT use a Privacy Screen:

On a Workwall Floor Supported Shelf Application

![Image of a Workwall Floor Supported Shelf Application with a Privacy Screen]

**Tip** Stabilizer location interferes with Privacy Screen Attachment Brackets.

On a File Enclosure Application

![Image of a File Enclosure Application with a Privacy Screen]

**Tip** When used with X Series files and storage, File Enclosures will interfere with Privacy Screen Attachment Brackets.

Not Recommended to use a Privacy Screen:

On a Workwall Credenza Top Application

![Image of a Workwall Credenza Top Application with a Privacy Screen]

**Tip** Workwall Credenza Top Brackets may interfere with Privacy Screen Attachment Brackets.
Patterns Series Storage: Introduction

Patterns Series Storage includes Files and Pedestals.

Patterns Series Storage Applications

Patterns Series File in Workwall Application

Patterns Series File in Studio Table Application

Patterns Series Pedestal in Rectangular Convergent Application
Patterns Series Storage: Terminology

Patterns Series Storage consists of two categories: Files and Pedestals. Each item is a single, freestanding unit specified as one product number. Patterns Series Storage provides lower storage with a Box/File configuration.

File and Pedestal Pull Styles

![Pattern Pulls](image)

- **Patterns Pull** (6)
- **Linear Pull** (8)
- **Classic Pull** (9)

Patterns Series File

- **Patterns Series File Cushion** (specified separately)
- Lock
- Box Drawer
- File Drawer
- Patterns Pull
- Metal Legs

Patterns Series Pedestal

- **Patterns Series Pedestal Cushion** (specified separately)
- Lock
- Box Drawer
- Patterns Pull
- File Drawer
- Non-Locking Swivel Casters
Patterns Series Storage: Dimensions

Patterns Series File
Patterns Series Files are available in two widths: 30" and 36".

Patterns Series Pedestal
Patterns Series Pedestals are available in two depths: 18" and 24".
Patterns Series File: Product Features

Patterns Series Files
- Includes front-to-back hanging bars in file drawer
- Available in laminate or wood veneer case with wood drawer construction
- Actual Widths: 30”, 36”
- Actual Height: 23”
- Actual Depth: 18”
- Standard with Locks: black or chrome
- Metal Legs have ¾” height adjustment range
- File drawer construction allows for side-to-side suspended filing and includes two hanging bars for front-to-back suspended filing
- Drawers fully extend
- Drawer Pull Types: Patterns, Linear, Classic
- Cushion is separately specified

Patterns Series File Cushion
- Cushion is separately specified
- Includes (1) cushion and non-slip material for use on a Patterns Series File
- Cushions are two-sided reversible fabric; same fabric selection for both sides; If a patterned fabric is specified, patterns may not align between top and bottom
- Cushion is inset around perimeter of file top
- Thickness: ¾”
Patterns Series File: Drawer Capacities

30” Wide

Inside Dimensions

<table>
<thead>
<tr>
<th>NOMINAL SIZE</th>
<th>DRAWER HEIGHT</th>
<th>DRAWER DEPTH</th>
<th>DRAWER WIDTH</th>
<th>CUBIC INCHES</th>
<th>LOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>7”</td>
<td>5.81”</td>
<td>12.15”</td>
<td>25.68”</td>
<td>1813</td>
<td>31 lbs.</td>
</tr>
<tr>
<td>12”</td>
<td>10.5”</td>
<td>12.15”</td>
<td>25.68”</td>
<td>3276</td>
<td>56 lbs.</td>
</tr>
</tbody>
</table>

36” Wide

Inside Dimensions

<table>
<thead>
<tr>
<th>NOMINAL SIZE</th>
<th>DRAWER HEIGHT</th>
<th>DRAWER DEPTH</th>
<th>DRAWER WIDTH</th>
<th>CUBIC INCHES</th>
<th>LOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>7”</td>
<td>5.81”</td>
<td>12.15”</td>
<td>31.5”</td>
<td>2224</td>
<td>38 lbs.</td>
</tr>
<tr>
<td>12”</td>
<td>10.5”</td>
<td>12.15”</td>
<td>31.5”</td>
<td>4019</td>
<td>68 lbs.</td>
</tr>
</tbody>
</table>

All Patterns Series storage products meet or exceed BIFMA weight load capacities.
Patterns Series Pedestal: Product Features

Patterns Series Pedestal
- Includes side-to-side hanging bar in file drawer
- Available in laminate or wood veneer case with wood drawer construction
- Actual Width: 15 3/4”
- Actual Height: 23”
- Actual Depths: 18”, 24”
- Standard with Locks: black or chrome
- Castors are non-locking, swivel castors
- Installed Counterweight included
- File drawer construction allows for front-to-back suspended filing and includes one hanging bar for side-to-side suspended filing.
- Drawer Pull Types: Patterns, Linear, and Classic
- Drawers fully extend
- Cushion is separately specified

Patterns Series Pedestal Cushion
- Cushion is separately specified
- Includes (1) cushion and non-slip material for use on a Patterns Series File
- Cushions are two-sided reversible fabric; same fabric selection for both sides;
- If a patterned fabric is specified, patterns may not align between top and bottom
- Cushion is inset around perimeter of file top
- Thickness: ¾”
Patterns Series Pedestal: Drawer Capacities

18" Deep

Inside Dimensions

<table>
<thead>
<tr>
<th>NOMINAL SIZE</th>
<th>DRAWER HEIGHT</th>
<th>DRAWER DEPTH</th>
<th>DRAWER WIDTH</th>
<th>CUBIC INCHES</th>
<th>LOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>5.81&quot;</td>
<td>14&quot;</td>
<td>12.25&quot;</td>
<td>996</td>
<td>17 lbs.</td>
</tr>
<tr>
<td>12&quot;</td>
<td>10.5&quot;</td>
<td>14&quot;</td>
<td>12.25&quot;</td>
<td>1801</td>
<td>31 lbs.</td>
</tr>
</tbody>
</table>

Inside Dimensions

Front-to-Back

Single Letter Filing (14 Linear Inches)

Side-to-Side

Letter Filing (12.25 Linear Inches)

24" Deep

Inside Dimensions

<table>
<thead>
<tr>
<th>NOMINAL SIZE</th>
<th>DRAWER HEIGHT</th>
<th>DRAWER DEPTH</th>
<th>DRAWER WIDTH</th>
<th>CUBIC INCHES</th>
<th>LOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>5.81&quot;</td>
<td>20&quot;</td>
<td>12.25&quot;</td>
<td>1423</td>
<td>24 lbs.</td>
</tr>
<tr>
<td>12&quot;</td>
<td>10.5&quot;</td>
<td>20&quot;</td>
<td>12.25&quot;</td>
<td>2573</td>
<td>44 lbs.</td>
</tr>
</tbody>
</table>

Inside Dimensions

Front-to-Back

Single Letter Filing (20 Linear Inches)

Side-to-Side

Letter Filing (12.25 Linear Inches)

Side-to-Side

Legal Filing (12.25 Linear Inches)

Note: All Patterns Series storage products meet or exceed BIFMA weight load capacities.
Patterns Series Storage: Application Guidelines

Patterns Series Lower Storage without Cushion
• Patterns Series Lower Storage without a cushion can be used below a 2" thick Credenza Top positioned at 25½" high within a Workwall. Cushion will interfere at 25½" height.
Patterns Series Storage: Product Relationships

Patterns Series Storage may be used in these Patterns Studio Table Applications:

With Patterns Series Mobile Pedestal (with or without Cushion)

With Rectangular Convergent Worksurface and Patterns Series Mobile Pedestal

With Patterns Series File

Patterns Series Storage may be used in these Patterns Workwall Applications:

With Patterns Series File

Overall width of Patterns Series Files used to fill space between Vertical-to-Vertical in a Workwall application must be less than the inside Workwall dimension

Patterns Series Storage may NOT be used in these Patterns Applications:

Do NOT use Patterns Series Storage within a File Enclosure (must be filled with X Series files and storage to support the horizontal top).

Do NOT fill the space between Vertical-to-Vertical in a Workwall application with Patterns Series Files; actual File widths are greater than the Workwall inside dimension.
Patterns Storage Box: Introduction

The Patterns Storage Box offers freestanding storage that is dimensionally and aesthetically compatible with Patterns.

Applications

Personal Storage on Studio Table

Personal Storage on Workwall
Patterns Storage Box: Terminology and Statement of Line

The Patterns Storage Box is a single product number to be used as freestanding storage in a Patterns application.

Statement of Line

Storage Boxes are available in three widths: 36", 42", and 48".

Storage Boxes without Sliding Doors

<table>
<thead>
<tr>
<th>Width</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot;</td>
<td>16-1/2&quot; x 15-3/4&quot;</td>
</tr>
<tr>
<td>42&quot;</td>
<td>16-1/2&quot; x 15-3/4&quot;</td>
</tr>
<tr>
<td>48&quot;</td>
<td>16-1/2&quot; x 15-3/4&quot;</td>
</tr>
</tbody>
</table>

Storage Boxes with Sliding Doors

<table>
<thead>
<tr>
<th>Width</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot;</td>
<td>16-1/2&quot; x 15-3/4&quot;</td>
</tr>
<tr>
<td>42&quot;</td>
<td>16-1/2&quot; x 15-3/4&quot;</td>
</tr>
<tr>
<td>48&quot;</td>
<td>16-1/2&quot; x 15-3/4&quot;</td>
</tr>
</tbody>
</table>

Note: Outside dimensions shown.
Patterns Storage Box: Product Features

• Available in laminate or wood
• Laminate storage box has 1mm edgeband on all edges
• Full-height back
• Non-slip dots
• Flippable door/filler track
• Optional sliding doors
• Optional door lock

Dimensions
• Outside Widths: 36", 42", and 48"
• Outside Height: 16½"
• Outside Depth: 15¾"

<table>
<thead>
<tr>
<th>EXTERIOR WIDTH</th>
<th>INTERIOR DIMENSIONS</th>
<th>HEIGHT</th>
<th>DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot;</td>
<td>34 ¼&quot;</td>
<td>14&quot;</td>
<td>13&quot;</td>
</tr>
<tr>
<td>42&quot;</td>
<td>40 ¼&quot;</td>
<td>14&quot;</td>
<td>13&quot;</td>
</tr>
<tr>
<td>48&quot;</td>
<td>46 ¼&quot;</td>
<td>14&quot;</td>
<td>13&quot;</td>
</tr>
</tbody>
</table>

Optional Sliding Doors
• Includes two half-width sliding doors to fill the entire width of the Storage Box
• Available in laminate, wood, or glass; sliding door finish may match or complement Storage Box finish
• Optional door lock is always located on right-hand door
• Right-hand door slides behind left-hand door
• Storage Boxes specified without sliding doors can be field retrofitted with sliding doors (refer to eParts)
• Non-locking laminate or wood sliding doors can be field retrofitted with locks (refer to eParts)
• Glass sliding doors cannot be retrofitted with locks; door overlaps 1"

Sliding Door Opening Sizes
Patterns Storage Box: Application Guidelines

The Patterns Storage Box can be placed on a Workwall, File Enclosure, Studio Table, Bench, or Worksurface application. There is a maximum load limit of one row of non-stacked Storage Boxes per side.

**Workwall Applications**

- 44½” or 60½” High x 22” Deep Workwall
- 44½” High x 22” Deep Workwall with Reference Return
- 44½” High x 22” Deep Workwall

**File Enclosure Applications**

- 30½” or 42½” High x 22” Deep File Enclosure
- 30½” or 42½” High x 22” Deep File Enclosure with Reference Return
- 30½” or 42½” High x 22” Deep File Enclosure with Reference Return

- 30½” or 42½” High x 22” Deep File Enclosure with Reference Top
- 30½” or 42½” High x 22” Deep File Enclosure with Reference Top
Patterns Storage Box: Applications

Studio Table Application

29" High x 30" Deep Studio Table

Bench Application

17½" High x 22" Deep Bench

Convergent Worksurface Application

17½" High x 30" Deep Bench

Rectangular Convergent with Studio Table
• Maximum of one Storage Box on Convergent Worksurface

Do Not Use a Storage Box:
• In a Stacked Application
Patterns Storage Box: Product Relationships

A Storage Box may be used with:

- Studio Table Applications
- Workwall Applications
- File Enclosure Applications

A Storage Box may be used with:

- Bench Applications
- File Enclosure Reference Top Applications
- Reference Return Applications

A Storage Box may be used with:

- Rectangular Convergent Applications
- Workwall Reference Top or Reference Return Applications
Technical Specifications
Patterns
Technical Specifications

Workwall
Workwalls have a 3” (76.2mm) thick horizontal (top) and verticals (ends) made with a wood composite frame, wood composite skins, and laminate or wood veneer surfaces. Horizontals have threaded steel dowels that attach to machined openings in the inside surface(s) of the verticals. For 22” deep units, the horizontal has a machined opening for a ¼” (12.7mm) thick by 3” (76.2mm) high steel beam. For 42” deep units, a rectangular steel beam with ¼” (6.4mm) thick walls that attaches to machined aluminum ends is provided. The ends attach to threaded inserts in the verticals. For both units an anodized aluminum beam cover is provided. In addition to the threaded dowels, the verticals and horizontal(s) are rigidly held together with 0.120” (3mm) thick steel corner braces that attach behind the edge trim. The horizontals and verticals have removable edge trim made with a poplar base and a ¼” (6.4mm) thick wood or ABS bonded to it. The wood trim matches the veneer surfaces, and the ABS can be specified to match or contrast the color of the laminate surfaces. The trim has a press fit anodized aluminum inlay on each side. The trim press fits to the edges of the verticals and horizontals with a machined feature in the poplar that surrounds a plastic extrusion stapled to the wood composite core. The removable trim and hollow core frame allow routing of power and communication cabling. When specified, access to power and communication are provided through machined openings at the base height and desk height of the verticals.

The verticals include glides that provide 1.5” (38.1mm) of vertical adjustment, and a powdercoated steel skirt that covers the glides. The skirt includes pre-punched knockouts to allow access for power and communications infeeds. A 25.5” (647.7mm) high stabilizing assembly (modesty) is included that consists of a 1” (25.4mm) thick wood composite core, with laminate or wood veneer surfaces, a 4” (101.6mm) high anodized aluminum base cover, a powdercoated aluminum glide skirt and an anodized aluminum rail. The rail provides support for worksurfaces and a channel for optional back panels. Also included in the verticals are threaded metal inserts with powdercoated threaded fasteners that allow positioning a 1¾” (30mm) thick or 2” (50.8mm) thick wood composite core credenza top at various heights, and up to three shelves in 8” (203.2mm) increments. Verticals can be specified for shared applications that support a horizontal from each face or reference tops and portals. Optional shelves are supported at each end and every 24” (609.6mm) along the length of the unit with ¼” (6.4mm) diameter threaded anodized aluminum rods that attach to the horizontal with threaded inserts.

Workwall Backer
Backers that fill the opening in the Workwall above the stabilizer and the horizontal are made with ¾” thick wood composite board with veneer or laminate surfaces or 0.4” (10mm) thick tempered glass. The backers fit into access openings in the aluminum extrusions at the top of the stabilizer and the bottom of the beam cover of the horizontal. The sides of the backer are covered by a two piece aluminum extrusion that attaches to the verticals of the Workwall. Extruded plastic gaskets are included with the glass backers.

Workwall Suspended Shelf
Shelves have 1” (25.4mm) thick wood composite core with laminate or wood veneer faces. The front and back edge of the shelf is capped with an anodized aluminum extrusion with a flippable plastic extrusion that provides a track for optional sliding doors and shelf mounted back panels, or an aesthetic cover. Shelves are supported every 24” (610mm) with 0.25” (6.4mm) diameter, threaded anodized aluminum rods positioned at the front and back of the shelf that attach to and are supported by the horizontal of the Workwall. Tempered glass shelves are also available and are 0.4” (10mm) thick. The glass shelf has no features for adding doors.

Workwall Floor Supported Shelf
The floor supported shelf has a top and bottom shelf made with 1” (25.4mm) thick wood composite core with laminate or wood veneer surfaces. The front and back edge of the top shelf, and front edge of the bottom shelf, is capped with an anodized aluminum extrusion with a flippable plastic extrusion that provides a track for the optional Sliding Doors and shelf mounted back panels, or an aesthetic cover. The plastic track is also removable to allow for placement of Tackboards. The back of the bottom shelf attaches to the stabilizer of the Workwall. The top shelf is supported every 24” (610mm) with ¾” (19mm) thick dividers consisting of a wood composite substrate with laminate or veneer surfaces and 0.040” thick ABS or 0.07” thick wood veneer edgeband. The dividers attach to the shelves with Mod-eez® clips with shoulder screws at the bottom and quarter-turn fasteners at the top. The bottom of the shelf is supported by 8” high steel legs positioned every 24” (610mm) across the width of the shelf. The legs have glides that provide 1.5” (38.1mm) of height adjustment. The 8” high legs are hidden by a two-piece steel skirt that has 1.5” of height adjustment and allows the glides to be completely covered.
Technical Specifications

Sliding Doors
Sliding Doors are available for use with laminate or wood suspended shelves and positioned 16” apart and with the floor supported shelf. Doors are made with \( \frac{3}{16}“ \) thick wood composite core, with laminate or wood veneer surfaces, and matching edgeband or with 0.236” (6mm) thick tempered glass or acrylic. Door pulls are anodized extruded aluminum and attach to wood and laminate doors with metal fasteners and to glass doors with adhesive. Doors are available with or without locks.

Shelf Backer
Shelf backers that fit into the flippable track of the shelf are made with \( \frac{3}{16}“ \) thick wood composite core with laminate or veneer surfaces and matching edgeband or with 0.236” (6mm) thick tempered glass or acrylic.

Studio Table
Studio Tables are 30” (762mm) deep and have 3” (76.2mm) thick horizontal(s) and vertical panels, made with a wood composite frame, wood composite skins, and laminate or wood veneer surfaces. Horizontals have threaded steel dowels that attach to machined openings in the inside surface(s) of the verticals. In addition the verticals and horizontals are rigidly held together with 0.120” (3mm) thick steel corner braces that attach behind the edge trim. The horizontals and verticals have removable edge trim made with a poplar base and a \( \frac{3}{16}“ \) (6.4mm) thick wood or ABS surface bonded to it. The wood trim matches the veneer of the surface, and the ABS can be specified to match or contrast the color of the laminate surface. The trim has a press fit anodized aluminum inlay on each side. The trim press fits to the edges of the verticals and horizontals with a machined feature in the poplar that surrounds a plastic extrusion stapled to the wood composite core. The removable trim and hollow core frame allow routing of power and communication cabling. When specified, access to power and communication are provided through machined openings at the base of the verticals and the back edge of the horizontal. The verticals include glides that provide 1.5” (38.1mm) of vertical adjustment, and a powdercoated steel skirt that covers the glides. The skirt includes pre-punched knockouts to allow access for power and communications infeeds.

File Enclosure
File Enclosures are available with 22” (559mm) and 42” (1067mm) depths and have 3” (76.2mm) thick horizontal(s) and verticals, made with a wood composite frame, wood composite skins, and laminate or wood veneer surfaces. Horizontals have threaded steel dowels that attach to machined openings in the inside face(s) of the verticals. In addition the verticals and horizontals are rigidly held together with 0.120” (3mm) thick steel corner braces that attach behind the edge trim. The horizontals and verticals have removable edge trim made with a poplar base and a \( \frac{3}{16}“ \) (6.4mm) thick wood or ABS surface bonded to it. The wood trim matches the veneer of the surface, and the ABS can be specified to match or contrast the color of the laminate surface. The trim has a press fit anodized aluminum inlay on each side. The trim press fits to the edges of the verticals and horizontals with a machined feature in the poplar that surrounds a plastic extrusion stapled to the wood composite core. The removable trim and hollow core frame allow routing of power and communication cabling. When specified, access to power and communication are provided through machined openings at the base of the verticals and the center of the horizontal. The verticals include glides that provide 1.5” of vertical adjustment, and a powdercoated steel skirt that covers the glides. The skirt includes pre-punched knockouts to allow access for power and communications infeeds. The 22” deep unit is available with an optional back panel with laminate or wood veneer surfaces and a 4” (101.6mm) high anodized aluminum base cover with a powdercoated aluminum glide cover.

Bench
Benches are available in 22” (559mm) and 30” (762mm) widths and have 3” (76.2mm) thick horizontal and verticals, made with a wood composite frame, wood composite skins, and laminate or wood veneer surfaces. Horizontals have threaded steel dowels that attach to machined openings in the inside face(s) of the verticals. In addition the verticals and horizontal are rigidly held together with 0.120” (3mm) thick steel corner braces that attach behind the edge trim. A center beam with a wood composite core and veneer or laminate surface supports the horizontal. The horizontal and vertical have removable edge trim made with a poplar base and a \( \frac{3}{16}“ \) (6.4mm) thick wood or ABS surface bonded to it. The wood trim matches the veneer of the surface, and the ABS can be specified to match or contrast the color of the laminate surface. The trim has a press fit anodized aluminum inlay on each side. The trim press fits to the edges of the verticals and horizontals with a machined feature in the poplar that surrounds a plastic extrusion stapled to the wood composite core. The removable trim and hollow core frame allow routing of power and communication cabling. When specified, access to power and communication are provided through a machined opening at the base of one of the verticals and the back edge of the horizontal. The verticals include glides that provide 1.5” (38.1mm) of vertical adjustment, and a
Technical Specifications

powdercoated steel skirt that covers the glides. The skirt includes pre-punched knockouts to allow access for power and communications infeeds. An optional shelf that consists of a 0.75" (19mm) thick wood composite core with veneer or laminate surfaces with anodized aluminum edges attaches to the bottom of the center beam and the inside surface of the verticals. An optional cushion is available.

Power
All electrical components are UL 183 listed for the USA and certified to Canadian safety standards by Underwriters' Laboratories (UL and ULC). When specified, Workwalls, Studio Tables, File Enclosures, and Benches allow routing of power through channels in the verticals and horizontals. Power options for modular power connections with 3-Circuits, 4-Circuits, or hardwire are available.

- The 3-Circuit option consists of eight (8) 12-gauge copper conductors: three (3) hot wires, three (3) neutral wires, one (1) common-ground wire, and one (1) isolated-ground wire.
- The 4-Circuit option consists of eight (8) copper conductors: four (4) 12-gauge hot wires, two (2) 10 gauge neutrals, one (1) 12 gauge common-ground wire, and one (1) 12-gauge isolated-ground wire.
- The hardwire option includes a junction box and requires field supplied conduit and wires.
- Receptacles should be reviewed by local authorities (electrical inspector) prior to ordering.
- Receptacles are guaranteed for all three wiring options are commercial grade Decora® style, duplex receptacles and are factory wired to circuit one.
- Receptacle circuit designation to be field wired by an electrician.
- Workwalls can provide access to power at the base height and desk height of the vertical supports and provide up to four power outlets at each location.
- In large in-line workwall or file enclosure applications: receptacle must be rewired by an electrician to another circuit for proper loading of each circuit.
- Electrical connections from a floor, wall, column, or ceiling power source to the verticals are available for 3-Circuit, 4-Circuit, and hardwire options.

Power base feed and top feed modules are available as follows:

- Standard Base Feed: For 3- and 4-Circuit, a length of 4' (1219mm) x ½" (13mm)-diameter liquid-tight flexible metallic conduit for connection between building wiring and the junction box mounted within the vertical.
- Top feed pole for 3- and 4-Circuit provides one compartment for the wiring harness and communication cabling, one junction box, and wire harness. Top feed modules enter through the top of the vertical for the Workwall and File Enclosure, Studio Table, or through the bottom of the Studio Table horizontal.
- Raised Floor in-feed includes 5' (1524mm) x ½" (13mm) diameter flexible metal conduit with modular connector head for connection between Power Base AI underfloor power and the junction box within the vertical.

The Workwall, File Enclosure and Studio Table accept separately specified 15 or 20 amp, 120 volt rated Decora® style duplex receptacles constructed of high-impact plastic. The receptacles feature copper alloy terminals and install in junction boxes attached to the vertical. 15 amp receptacles are installed when 3- or 4-Circuit power is specified.

Studio Tables, File Enclosures, Workwalls (44.5" height only), and Benches can be specified with power and communications access in the horizontals. Cutouts in the horizontal allow for placement of a powered Flip Top Unit. The unit is available with a 12' long cord with three (3) data and electrical outlets. The closed unit fits flush with the horizontal and a spring assist mechanism opens the top to provide access to electrical and data ports. Units are fed with either a single (3) conductor 12' black 15-Amp cord with plug or a 3-Circuit version which consists of (3) 12 AWG wires enclosed within one ¾" flexible metal conduit with a quick-connect modular end, or a hardwire version which consists of (3) 12 AWG wires enclosed within one ¾" flexible metal conduit. Units include adapters for most types of field supplied data jacks, are standard with an anodized finish and include mounting clips to secure it to the horizontal.
Technical Specifications

Workwall Task Light
A 35” (889mm) wide light fixture with T5 3500K fluorescent lamp with electronic ballast and an acrylic lens is provided that snap fits into a 1” (25.4mm) high x 2” (50.8mm) deep aluminum mounting channel which can be mounted under shelves or Workwall horizontals. The light fixture can be positioned right or left within the mounting channel to illuminate the primary work area. A 6’ (152mm) white, two conductor cord with 15 amp plug and rocker switch are provided with the task light assembly. Additional fluorescent fixtures (23”, 35”, 47”, and 59”) (584mm, 889mm, 1193mm, and 1499mm) wide can be added to the mounting channel and daisy chained to the existing fixture if more light is needed. Lights are listed by Underwriters Laboratory for use in the United States and certified by UL to Canadian Standards (UL and ULC).

Cable Management
Channels in the verticals and horizontals allow for routing of communication cables. Access for one Decora® style plate is available at base height and desk height power and communication access locations. A maximum of six (6) communication jacks can go into each plate location with field supplied face plates. Vertical and horizontal pathways provide a channel for routing cables within the units. Up to 18, 0.30” diameter cables with a 40% fill rate can be routed through the Workwalls, File Enclosures, and Studio Tables. For 42” wide Workwalls, each side (2) allows 18 cables. Powered top feed poles provide a channel for routing communication cabling from the space above the ceiling into the vertical of the Workwall, File Enclosure, and Studio Table or the bottom of the Studio Table horizontal.

Workwall attached vertical wire management channels made of anodized extruded aluminum are available for routing power cords and cabling between shelves or to the Credenza Top.

Credenza Top and Adaptable Worksurface Construction
Tops are available 1.18” (30.2mm) or 2” (50.8mm) thick and are made with a wood composite core as follows:
• Standard Core: 1.18” thick tops are made with engineered composite panel made with 100% recycled and/or recovered wood fiber bonded with resin. Worksurfaces with this core are compliant with GREENGUARD® and ANSI/BIFMA Standards for Low Emitting Products.
• Green Core: 1.18” thick tops are made with engineered composite panel made with 100% recycled wood fiber or 100% post consumer recycled wood waste bonded with no-added urea formaldehyde resin. Worksurfaces with this core are compliant with GREENGUARD® and ANSI/BIFMA Standards for Low Emitting Products.
• 2” Core: 2” thick tops are made with engineered composite frame and skins made with 100% recycled and or recovered wood fiber bonded with resin. Frame rails and Kraft paper honeycomb are bonded between the skins. Worksurfaces with this core are compliant with GREENGUARD® and ANSI/BIFMA Standards for Low Emitting Products.

Laminate tops are balanced construction with high-pressure laminate on the top, a laminate backer on the bottom, and are available with ABS edges as follows:
• 1.18” thick tops have 0.118” (3mm) radius edgeband on the user edge capped with a 0.039” (1mm) thick edgeband on the remaining edge(s). Credenza Tops have 3mm edgeband on all four edges.
• 2” (50.8mm) thick tops have 0.118” (3mm) radius edgeband on all edges.

Wood veneer tops are balanced construction with wood veneer on the top, a balancing backer on the bottom, and are available with wood edges as follows:
• 1.18” thick tops have 0.118” (3mm) radius edgeband on the user edge capped with a 0.028” (0.7mm) thick edgeband on the remaining edge(s).
• 2” (50.8mm) thick tops have 0.118” (3mm) radius edgeband on all edges.

Tops are predrilled to accept installation of most common support methods.

Worksurface Support Brackets
Credenza support brackets and floating worksurface support brackets are constructed of 14-gauge (0.075”, 1.9mm) thick steel and are powdercoated. Flush-mount plates are constructed of 11-gauge (0.120”, 3mm) steel and are powdercoated.
Technical Specifications

**Worksurface Support Ends**
Worksurface support ends are available 1½” (38.1mm) or 2” (50.8mm) thick and are constructed of a wood composite core frame with wood composite skin and laminate or wood veneer faces and 0.118” (3mm) radius ABS or wood edge. The ends are machined to accept a 0.175” (4.4mm) thick steel bracket that attaches to the inside surface of the end panel with countersunk screws and provides rigid attachment to the separately specified worksurface. Leveling glides provide 2.25” (57.2mm) adjustment range.

**Support Column**
Column is constructed of 3" diameter (76mm) x 16 gauge (0.065”, 1.65mm) steel tube, with a 6" (152mm) square x 10 gauge (0.135", 3.4mm) steel top plate. Column adjusts vertically to provide worksurface heights from 27” to 31.5” (686mm to 800mm). The top plate and column are powdercoated.

**Adjustable Height Disk Base**
Base is constructed of 3” diameter (76mm) x 16 gauge (0.065", 1.65mm) steel tube, with a 6” (152mm) square x 10 gauge (0.135", 3.4mm) steel top plate welded to a threaded column that threads onto the base tube. This threaded mechanism adjusts vertically to provide worksurface heights of 27” to 32” (686mm to 813mm). At the bottom of the tube a 21” (533mm) diameter x 0.250” (6.4mm) thick steel plate is attached with a threaded rod and nut. The tube, top plate, and bottom disk are powdercoated. Five (5) non-adjustable glides are attached to the bottom disk.

**Tackboards**
Tackboards that attach to Workwalls are 0.6” (15.2mm) thick tackable fiberglass substrate and available with both faces and edges covered with fabric. Anodized aluminum support rails with attachment hardware are included when applicable based on specifying the location of the tackboard.

**Screens**
Screens are made with a non-tackable wood composite substrate with both faces and edges covered with fabric and held in place with pressure fit spline. Screens attach to Studio Tables or Worksurfaces with powdercoated steel brackets and threaded fasteners. Optional powdercoated aluminum attachment bracket with integrated trough for cable and power management is available.

**Patterns Files**
Files are available with laminate or veneer surfaces with the case and drawer fronts made with a wood composite core. The drawer boxes are wood with dovetail construction, are supported by full-extension slides and are lockable. File drawer allows for standard side-to-side suspended filing and two bars for front-to-back suspended filing. Metal drawer pull options are available. The file cabinet is supported by cast aluminum legs that are powdercoated and have a leveling glide that provides ½” of adjustment. Optional cushions are available.

**Patterns Pedestals**
Pedestals are available with laminate or veneer surfaces with the case and drawer fronts made with a wood composite core. The drawer boxes are wood with dovetail construction, are supported by full-extension slides and are lockable. File drawer allows for standard front-to-back suspended filing and one bar for side-to-side suspended filing. Metal drawer pull options are available. The pedestal is supported by four castors. Optional cushions are available.
Technical Specifications

LED Task Lights
The Stand-Alone LED Task Light has a peak output of 444 Lumens/76 Foot Candles at 7.8 Watts. Power cord consists of a 15 Watt 24 V transformer power supply contained in a molded plug and a 9’ black cord. Fixture housing is 16.4” (417mm) long x 2” (51 mm) wide x 0.5” (12 mm) high.

The Starter LED Task Lights have peak outputs of 444/980/1412/1791 Lumens, 76/131/148/151 Foot Candles, and 7.8/17.6/25.9/33.6 Watts for fixture lengths of 17” (431.8mm)/31” (787.4mm)/44” (1117.6mm)/58” (1473.2mm) respectively. Power cord consists of a 60 Watt 24 V in-line brick transformer with a 12’ (304.80mm) black cord. Actual fixture housings are 30.1” (764.54mm), 43.7” (1110.0mm), or 57.4” (1458 mm) long x 2” (50.8mm) wide x 0.5” (12.7mm) high.

Add-On LED Task Lights fixtures are identical to Starter LED Light fixtures but contain a 54” (1371.6mm) black interlink cord instead of a power cord. Add-On LED Task Lights are used in conjunction with Starter LED Task Lights to form a Daisy Chain configuration.

All LED light fixtures have a color temperature of 3500 and a CRI of 84. Lights employ a touch sensitive switch with touch-and-hold continuous dimming from 100% to 15% and single touch on/off power. An auto off feature on each fixture activates after 10 hours (+/- 15 minutes) of use. Mounting options include clips with screws for attachment to wood/laminate surfaces or clips with magnets for attachment to steel surfaces. Fixtures carry the ETL mark indicating conformance to UL 153 and certified to CAN/CSA C22.2 No. 9.

LED Occupancy Sensor
A passive infrared (PIR) interlink occupancy sensor can be added to single or multiple interconnected (daisy-chained) LED Task Lights. The sensor will automatically turn off the lights after 30 minutes of no detection and back on as the user re-enters the workspace. In a daisy-chain application all fixtures connected after the sensor will be controlled. Sensor is attached to LED fixtures with either a 1” (25.4mm) long end-to-end connector or an interlink cord. Sensor is 2.3” (58.4mm) long x 2” (50.8mm) wide x 0.7” (17.78mm) high.
The surface materials shown on this page were selected to support the design intent of the products.

| Bench, File Enclosure, Floor Supported Shelf, Portal, Studio Table, Workwall Trim | Workwall Backer | Workwall Credenza Top | File Enclosure Backers | Worksurfaces | Worksurface Edge Trim | Door Pulls, Floor Supported Shelf Trim, Inlay Suspended Shelf Trim | Workwall Suspended Shelves | Shelf Backer | Sliding Doors | Modular Receptacle, Grommet, Task light | Patterns Storage/Pull and Legs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Textured Paint Grade A | | | | | | | | | | | | |
| Plaster | | | | | | | | | | | TR-TW |
| Cement | | | | | | | | | | | TR-TY |
| Grout | | | | | | | | | | | TR-TG |
| Pitch | | | | | | | | | | | TR-TP |
| Metallic Paint Grade B | | | | | | | | | | | |
| Champagne | | | | | | | | | | | TR-MC TR-MC - Legs |
| Metal Finishing | Anodized Matte | | | | | | | | | | ZA-MT ZA-MT Pull |
| Laminate - Solid Grade A | | | | | | | | | | | |
| Platinum | H-3P | H-3P | H-3P | H-3P | H-3P | H-3P | H-3P | H-3P | H-3P | H-3P |
| Glass (Grade) | Clear, Std, Tempered (A) | 2G-01C | 2G-01C | | | | | | | |
| Clear, Low Iron, Tempered (B) | | | | | | | | | | | 2G-01C |
| Satin Etch, Std, Tempered (C) | 2G-E21 | | | | | | | | | | |
| White Backpainted, Std, Tempered (D) | | | | | | | | | | | 2G-E21 |
| White Backpainted, Low Iron, Tempered (F) | | | | | | | | | | | |
| Translucent Grade C | | | | | | | | | | | |
| White | | | | | | | | | | | 55-0WT 55-0WT |

Alert:
These materials are current, however they are being considered for future obsolescence due to low volume.

- Stripes High (Iconic, Std, Tempered) (E)(d) 2G-EDL
- Branches High (Iconic, Std, Tempered) (E)(d) 2G-EDP

Components that have a non-specifiable finish

<table>
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<tr>
<th>Flip Top Unit bezels for power and data</th>
<th>Anodized Aluminum</th>
<th>White</th>
<th>Light Platinum Hub and Graphite Trim</th>
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February 2020 / N.A.
The surface materials shown on this page are additional finishes available on the products.

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| Metallic Paint Grade B                     |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Silver                                     |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
| HPL - Solid Grade A                        |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Graphite                                   | H-3J                       | H-3J                       | H-3J                       | H-3J                       | H-3J                       | H-3J                       | H-3J                       | H-3J                       | H-3J                       | H-3J                       | H-3J                       |
| Smoke                                      | H-3E                       | H-3E                       | H-3E                       | H-3E                       | H-3E                       | H-3E                       | H-3E                       | H-3E                       | H-3E                       | H-3E                       | H-3E                       |

| Laminate - Wood Grain Grade A             |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
| Amber Cherry                               | H-AM                       |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
| Maple                                      | H-AE                       |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |

**Alert:**
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- Gunnmetal: TR-MG
- Oats Grain: H-DA
- Wheat Grain: H-DE
- Owl Nest: H-EK
- Quail Nest: H-EC
- Robin Nest: H-EA
# Wood Finishes

## Preferred

<table>
<thead>
<tr>
<th>Wood Group</th>
<th>Veneer Type</th>
<th>Variety</th>
<th>Cutting Technique</th>
<th>Surface</th>
<th>Matching Technique</th>
<th>Grain Direction</th>
<th>Finish Name/ Color</th>
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## Legacy

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<td>Book Matched</td>
<td>Vertical</td>
<td>Espresso on Walnut</td>
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<td>Retro on Walnut</td>
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<td>Mahogany Satin</td>
<td>VR-W21</td>
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**Alert:**

These materials are current, however they are being considered for future obsolescence due to low volume.

Naturally – VR-W12
Sorrel – WF-RC
**Vertical Fabrics listed apply to Intuity Screens.**

- To obtain fabric samples contact your authorized Haworth dealer.
- Fabric and finish availability as well as technical information are subject to change; refer to Surfaces.Haworth.com for current information.
- Puzzler not available on desk mounted screens.

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<thead>
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<td>52% Post Industrial Recycled Polyester</td>
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<td>FZ-6 Bixby</td>
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<tr>
<td>FZ-3 Bobwhite</td>
<td>FZ-2 Cedar Rock</td>
</tr>
<tr>
<td>FZ-11 Clear Lake</td>
<td>FZ-13 Emerson</td>
</tr>
<tr>
<td>FZ-7 Gar</td>
<td>FZ-9 Honeycreek</td>
</tr>
<tr>
<td>FZ-1 Manawa</td>
<td>FZ-5 Rice Lake</td>
</tr>
<tr>
<td>FZ-4 Trappers Bay</td>
<td>FZ-12 Walnut Woods</td>
</tr>
<tr>
<td>FZ-8 Wapello</td>
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<th>STRIAE</th>
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<tbody>
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<td>42% Post Industrial Recycled Polyester/42% Post Consumer Recycled Polyester/16% Polyester (84% REPREVE™)</td>
<td>6X-AH Heather 6X-AT Thatch</td>
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<tr>
<td>C1-AM Band</td>
<td>C1-AJ Beam</td>
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<tr>
<td>C1-AH Element</td>
<td>C1-AF Fillet</td>
</tr>
<tr>
<td>C1-AC Moonlight</td>
<td>C1-AE Ray</td>
</tr>
<tr>
<td>C1-AK Ribbon</td>
<td>C1-AD Straws</td>
</tr>
<tr>
<td>C1-AA Stream</td>
<td>C1-AL Trace</td>
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<td>PY-AL Alter</td>
<td>PY-BU Buttons</td>
</tr>
<tr>
<td>PY-DR Draper</td>
<td>PY-FC French Chalk</td>
</tr>
<tr>
<td>PY-HE Hem</td>
<td>PY-MA Mamequin</td>
</tr>
<tr>
<td>PY-SE Seam</td>
<td>PY-SH Shears</td>
</tr>
<tr>
<td>PY-SU Suit</td>
<td>PY-TH Thread</td>
</tr>
<tr>
<td>PY-TR Tradition</td>
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<tr>
<td>100% Polyester</td>
<td>100% Polyester</td>
</tr>
<tr>
<td>3A-31 Aegean</td>
<td>3A-18 Black</td>
</tr>
<tr>
<td>3A-45 Buff</td>
<td>3A-53 Cayenne</td>
</tr>
<tr>
<td>3A-40 Chocolate</td>
<td>3A-49 Dove</td>
</tr>
<tr>
<td>3A-28 Dynamo</td>
<td>3A-54 Goose</td>
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<tr>
<td>3A-23 Jodhpurs</td>
<td>3A-33 Miami</td>
</tr>
<tr>
<td>3A-19 Navy</td>
<td>3A-06 Nickel</td>
</tr>
<tr>
<td>3A-34 Ocean</td>
<td>3A-46 Parrot</td>
</tr>
<tr>
<td>3A-50 Peel</td>
<td>3A-47 Pumpkin</td>
</tr>
<tr>
<td>3A-44 Roan</td>
<td>3A-51 Rust</td>
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<tr>
<td>3A-37 Spring</td>
<td>3A-48 Sprout</td>
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<tr>
<td>3A-52 Sunset</td>
<td>3A-43 Tomato</td>
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<thead>
<tr>
<th>Fabric Grade: A 🎉</th>
<th>CAMP</th>
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<tbody>
<tr>
<td>100% Post Consumer Recycled Polyester</td>
<td>100% Post Consumer Recycled Polyester</td>
</tr>
<tr>
<td>33-CF Campfire</td>
<td>33-CA Canoe</td>
</tr>
<tr>
<td>33-CT Cot</td>
<td>33-DK Docks</td>
</tr>
<tr>
<td>33-FF Firefly</td>
<td>33-GR Granola</td>
</tr>
<tr>
<td>33-GL Grill</td>
<td>33-JA Jamboree</td>
</tr>
<tr>
<td>33-PE Poncho</td>
<td>33-RA Rain</td>
</tr>
<tr>
<td>33-SC Scout</td>
<td>33-SC Scout</td>
</tr>
<tr>
<td>33-ST Steam</td>
<td>33-SM Smore</td>
</tr>
<tr>
<td>33-TE Tent</td>
<td>33-TE Tent</td>
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<table>
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<tr>
<th>Fabric Grade: B 🌶</th>
<th>HUE</th>
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<tbody>
<tr>
<td>62% Antimony Free Polyester/38% Virgin Polyester</td>
<td>62% Antimony Free Polyester/38% Virgin Polyester</td>
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<tr>
<td>6-BK Bark</td>
<td>6-ED Eddy</td>
</tr>
<tr>
<td>6-FR Froth</td>
<td>6-GK Ginko</td>
</tr>
<tr>
<td>6-LT Latte</td>
<td>6-LS Leaf</td>
</tr>
<tr>
<td>6-LM Lemon</td>
<td>6-MG Marigold</td>
</tr>
<tr>
<td>6-MS Marine</td>
<td>6-PP Poppy</td>
</tr>
<tr>
<td>6-RD Red</td>
<td>6-RR Red</td>
</tr>
<tr>
<td>6-SP Spring</td>
<td>6-RR Red</td>
</tr>
<tr>
<td>6-ST Steam</td>
<td>6-TO Turquoise</td>
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<tr>
<td>6-WP Wisp</td>
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<table>
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<tbody>
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<td>100% Recycled Polyester</td>
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<tr>
<td>ZR-6 Bennett</td>
<td>ZR-6 Bennett</td>
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<tr>
<td>ZR-8 Cascade</td>
<td>ZR-7 Crew</td>
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<tr>
<td>ZR-9 Fulcid</td>
<td>ZR-13 Regatta</td>
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<tr>
<td>ZR-10 Sailor</td>
<td>ZR-12 Smurf</td>
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<td>ZR-15 Sentra</td>
<td>ZR-9 TSU</td>
</tr>
<tr>
<td>ZR-4 Yippi Kio</td>
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**Patterns Price List**

**Vertical Fabrics/Color Legend**

February 2020 / N.A. 597
## Vertical Fabrics/Color Legend

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<thead>
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<th>Fabric Grade: B</th>
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<td>3V-BM Boomy</td>
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<tr>
<td>3V-BN Bounce</td>
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<tr>
<td>3V-CR Crackle</td>
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<tr>
<td>3V-EC Echo</td>
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<tr>
<td>3V-CN Gong</td>
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<tr>
<td>3V-HA Harmonics</td>
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<tr>
<td>3V-MG Moog</td>
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<tr>
<td>3V-MR Murmur</td>
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<tr>
<td>3V-PN Ping</td>
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<tr>
<td>3V-RF Rifts</td>
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<tr>
<td>3V-RN Ring</td>
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<tr>
<td>3V-SN Snare</td>
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<tr>
<td>3V-SC Sonic</td>
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</tr>
<tr>
<td>3V-SY Synth</td>
<td></td>
</tr>
<tr>
<td>3V-TM Timbers</td>
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<tr>
<td>3V-WF Waft</td>
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<tr>
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<th>BIRDS NEST</th>
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<td>38% Post Industrial Recycled Polyester/20% Post Consumer Recycled Polyester/42% Recycled Polyester (20% REPREVE)</td>
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<tr>
<td>PH-CA Canary</td>
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<tr>
<td>PH-EA Eagle</td>
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<tr>
<td>PH-EG Egel</td>
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<tr>
<td>PH-FA Falcon</td>
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<tr>
<td>PH-HE Heron</td>
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<tr>
<td>PH-HU Hummingbird</td>
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<tr>
<td>PH-MD Morning Dove</td>
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<tr>
<td>PH-NM Nuthatch</td>
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<tr>
<td>PH-OW Owl</td>
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<tr>
<td>PH-RA Raven</td>
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<tr>
<td>PH-SA Sandpiper</td>
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<tr>
<td>PH-ST Stork</td>
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<td>PH-SW Swan</td>
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<tr>
<td>SW-AS Ash</td>
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<tr>
<td>SW-BC Buckhorn</td>
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<tr>
<td>SW-CR Cutch</td>
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<tr>
<td>SW-DB Gibbstone</td>
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<tr>
<td>SW-ND Indigo</td>
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<tr>
<td>SW-KN Knotweed</td>
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<tr>
<td>SW-LC Lichen</td>
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<tr>
<td>SW-PL Plant</td>
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<tr>
<td>SW-LL Quill</td>
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<tr>
<td>SW-RB Rubia</td>
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<tr>
<td>SW-WL Walnut</td>
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<table>
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<td>LV-CL Clue</td>
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<tr>
<td>LV-EN Enigma</td>
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<tr>
<td>LV-GU Guess</td>
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<tr>
<td>LV-MA Maze</td>
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<td>LV-MU Muse</td>
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<tr>
<td>LV-MT Mystery</td>
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<tr>
<td>LV-MY Mystify</td>
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<tr>
<td>LV-OUT Outline</td>
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<td>LV-PE Perplex</td>
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<td>LV-PC Pieces</td>
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<td>LV-PU Puzzle</td>
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<td>LV-RD Riddle</td>
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<tr>
<td>LV-SC Scrabble</td>
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<tr>
<td>LV-SL Solve</td>
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<tr>
<td>LV-TE Teaser</td>
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<td>LV-TR Trick</td>
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<td>WS-1 Agave</td>
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<td>WS-2 Court</td>
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<tr>
<td>WS-3 Geta</td>
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<tr>
<td>WS-4 Hemp</td>
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<tr>
<td>WS-5 Jute</td>
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<tr>
<td>WS-6 Kayar</td>
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<tr>
<td>WS-7 Kobe</td>
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<tr>
<td>WS-8 Saffron</td>
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<td>WS-9 Sapporo</td>
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<td>WS-10 Sisal</td>
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<tr>
<td>WS-11 Tabi</td>
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<tr>
<td>WS-12 Tesori</td>
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<tr>
<td>FJ-AD Balsam</td>
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<tr>
<td>FJ-AP Bisque</td>
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<tr>
<td>FJ-AE Blue Ridge</td>
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<tr>
<td>FJ-AA Blue Willow</td>
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<td>FJ-CA Breker</td>
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<tr>
<td>FJ-AR Chamois</td>
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<tr>
<td>FJ-AK Elephant</td>
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<tr>
<td>FJ-AL Glacier</td>
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<tr>
<td>FJ-AM Gismo</td>
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<tr>
<td>FJ-AW Poplar</td>
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<tr>
<td>FJ-CD Raisen</td>
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<tr>
<td>FJ-JT Shallot</td>
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<tr>
<td>FJ-AM Stainless</td>
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<tr>
<td>FJ-AF Tempest</td>
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<tr>
<td>WZ-CA Carrara</td>
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<tr>
<td>WZ-DA David</td>
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<tr>
<td>WZ-ET Etruscan</td>
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<tr>
<td>WZ-FL Florence</td>
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<tr>
<td>WZ-LM Limoncello</td>
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<td>WZ-MA Masonry</td>
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<td>WZ-ME Medici</td>
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<tr>
<td>WZ-TR Olive Tree</td>
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<td>WZ-PS Pisa</td>
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<td>WZ-RM Romanesque</td>
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<tr>
<td>WZ-RU Rustic</td>
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<td>WZ-SE Siena</td>
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<td>7L-C Clue</td>
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<tr>
<td>7L-CR Cryptic</td>
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<tr>
<td>7L-E Enigma</td>
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<tr>
<td>7L-I Intrigue</td>
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<tr>
<td>7L-M Maze</td>
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<tr>
<td>7L-R Riddle</td>
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<tr>
<td>WZ-1 Agave</td>
<td></td>
</tr>
<tr>
<td>WZ-2 Court</td>
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</tr>
<tr>
<td>WZ-3 Geta</td>
<td></td>
</tr>
<tr>
<td>WZ-4 Hemp</td>
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</tr>
<tr>
<td>WZ-5 Jute</td>
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</tr>
<tr>
<td>WZ-6 Kayar</td>
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</tr>
<tr>
<td>WZ-7 Kobe</td>
<td></td>
</tr>
<tr>
<td>WZ-8 Saffron</td>
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</tr>
<tr>
<td>WZ-9 Sapporo</td>
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<tr>
<td>WZ-10 Sisal</td>
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<tr>
<td>WZ-11 Tabi</td>
<td></td>
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<tr>
<td>WZ-12 Tesori</td>
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### Haworth Alliance
For information on Haworth Alliance Program, please refer to: surfaces.haworth.com

### Customer's Own Material (COM)
For Customer's Own Material (COM) information including requesting a new COM, please refer to: surfaces.haworth.com
### Seating Fabrics/Color Legend

- The following fabrics are available on Seating and cushions.
  - **Directional fabric**
  - **Non-directional fabric**

- To obtain fabric samples contact your authorized Haworth dealer.
- Fabric and finish availability as well as technical information are subject to change; refer to Surfaces.Haworth.com for current information.
- Patterns Cushions.
- Brisa Faux Leather is available on Belong Blotter.

#### Fabric Grade: A

<table>
<thead>
<tr>
<th>BLANKET</th>
<th>50% Post Consumer Recycled Polyester, 50% Virgin Polyester</th>
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<tbody>
<tr>
<td>4H-BE</td>
<td>Beach</td>
</tr>
<tr>
<td>4H-BD</td>
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<td>4H-SW</td>
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<td>4H-SP</td>
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<td>4H-TK</td>
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#### Fabric Grade: B

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<td>Cayenne</td>
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<td>Dynamo</td>
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<td>3A-54</td>
<td>Goose</td>
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<td>3A-23</td>
<td>Jodhpurs</td>
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<td>3A-19</td>
<td>Navy</td>
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<tr>
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<th>80% Post Consumer Recycled Polyester, 20% from Rayon Bamboo</th>
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<td>And Shout</td>
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<tr>
<td>MM-C</td>
<td>Coll</td>
</tr>
<tr>
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<td>Corkscrew</td>
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<td>MM-CU</td>
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<td>MM-D</td>
<td>DNA</td>
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<td>MM-I</td>
<td>Ivy</td>
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<td>MM-P</td>
<td>Plot</td>
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<td>MM-SW</td>
<td>Sidewinder</td>
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<td>Snail</td>
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<td>MM-SP</td>
<td>Spire</td>
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<tr>
<td>MM-WH</td>
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<th>WELLINGTON FAUX LEATHER</th>
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<td>XJ-EL</td>
<td>Elephant</td>
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<td>XJ-JA</td>
<td>Java</td>
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<td>XJ-SA</td>
<td>Sage</td>
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<td>XJ-ST</td>
<td>Storm</td>
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<tr>
<td>XJ-TA</td>
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<td>XJ-WI</td>
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<td>4F-FC</td>
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<tr>
<td>4F-LM</td>
<td>Limerick</td>
</tr>
<tr>
<td>4F-OR</td>
<td>Orient</td>
</tr>
<tr>
<td>4F-PK</td>
<td>Picket</td>
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<tr>
<td>4F-RT</td>
<td>Root</td>
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<tr>
<td>4F-SC</td>
<td>Scrimmage</td>
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<tr>
<td>4F-SP</td>
<td>Spring</td>
</tr>
<tr>
<td>4F-TL</td>
<td>Tree Line</td>
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<tr>
<td>4F-WR</td>
<td>Wire</td>
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<table>
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<tr>
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<tr>
<td>4N-CH</td>
<td>Chevron</td>
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<tr>
<td>4N-CR</td>
<td>Crosscut</td>
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<td>4N-DA</td>
<td>Diamond</td>
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<tr>
<td>4N-DE</td>
<td>Oblique</td>
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<td>4N-SE</td>
<td>Serge</td>
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<td>4N-ST</td>
<td>Stone</td>
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<tr>
<td>4N-SH</td>
<td>Slash</td>
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<tr>
<td>4N-SL</td>
<td>Slope</td>
</tr>
<tr>
<td>4N-WC</td>
<td>Whippcord</td>
</tr>
<tr>
<td>4N-ZZ</td>
<td>Zig Zag</td>
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<table>
<thead>
<tr>
<th>ENGLISH TWEED</th>
<th>92% Poly, 50% Post Industrial Recycled Polyester, 3% Post Consumer Recycled Polyester</th>
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<tbody>
<tr>
<td>4E-BS</td>
<td>Biscuit</td>
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<tr>
<td>4E-BL</td>
<td>Blimey</td>
</tr>
<tr>
<td>4E-BN</td>
<td>Bonnet</td>
</tr>
<tr>
<td>4E-CT</td>
<td>Cottage</td>
</tr>
<tr>
<td>4E-DW</td>
<td>Doctor Who</td>
</tr>
<tr>
<td>4E-FX</td>
<td>Fox</td>
</tr>
<tr>
<td>4E-FL</td>
<td>My Lady</td>
</tr>
<tr>
<td>4E-XD</td>
<td>Oxford</td>
</tr>
<tr>
<td>4E-EP</td>
<td>Pipe</td>
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<tr>
<td>4E-SH</td>
<td>Sherry</td>
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<tr>
<td>4E-TE</td>
<td>Tea</td>
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<td>4E-TU</td>
<td>Tudor</td>
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<table>
<thead>
<tr>
<th>RAMIE</th>
<th>62% Poly, 25% Post Industrial Recycled Polyester, 13% Post Consumer Recycled Polyester</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>4V-BT</td>
<td>Bast</td>
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<tr>
<td>4V-FX</td>
<td>Fostial</td>
</tr>
<tr>
<td>4V-GN</td>
<td>Gunnie</td>
</tr>
<tr>
<td>4V-HY</td>
<td>Hay</td>
</tr>
<tr>
<td>4V-MC</td>
<td>Macrame</td>
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<tr>
<td>4V-MI</td>
<td>Millet</td>
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<tr>
<td>4V-MB</td>
<td>Mulberry</td>
</tr>
<tr>
<td>4V-RN</td>
<td>Rain</td>
</tr>
<tr>
<td>4V-RE</td>
<td>Reed</td>
</tr>
<tr>
<td>4V-RT</td>
<td>Root</td>
</tr>
<tr>
<td>4V-SC</td>
<td>Sack Cloth</td>
</tr>
<tr>
<td>4V-SS</td>
<td>Sisal</td>
</tr>
<tr>
<td>4V-TH</td>
<td>Thatch</td>
</tr>
<tr>
<td>4V-WT</td>
<td>Water</td>
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<tr>
<td>4V-WD</td>
<td>Weed</td>
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<table>
<thead>
<tr>
<th>JEWEL</th>
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<tbody>
<tr>
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<tr>
<td>4B-AM</td>
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<tr>
<td>4B-CN</td>
<td>Citrine</td>
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<tr>
<td>4B-ME</td>
<td>Emerald</td>
</tr>
<tr>
<td>4B-MG</td>
<td>Garnet</td>
</tr>
<tr>
<td>4B-MJ</td>
<td>Jade</td>
</tr>
<tr>
<td>4B-MM</td>
<td>Malachite</td>
</tr>
<tr>
<td>4B-NR</td>
<td>Ruby</td>
</tr>
<tr>
<td>4B-NS</td>
<td>Sapphire</td>
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<tr>
<td>4B-ME</td>
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<table>
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<td>4V-FX</td>
<td>Fostial</td>
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<td>4V-GN</td>
<td>Gunnie</td>
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<tr>
<td>4V-HY</td>
<td>Hay</td>
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<tr>
<td>4V-MC</td>
<td>Macrame</td>
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<td>Mulberry</td>
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<tr>
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<td>Rain</td>
</tr>
<tr>
<td>4V-RE</td>
<td>Reed</td>
</tr>
<tr>
<td>4V-RT</td>
<td>Root</td>
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<tr>
<td>4V-SC</td>
<td>Sack Cloth</td>
</tr>
<tr>
<td>4V-SS</td>
<td>Sisal</td>
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<td>4V-TH</td>
<td>Thatch</td>
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<tr>
<td>4V-WT</td>
<td>Water</td>
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<thead>
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<th>TECH</th>
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<tbody>
<tr>
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<td>Amber</td>
</tr>
<tr>
<td>4B-AM</td>
<td>Aquamarine</td>
</tr>
<tr>
<td>4B-CN</td>
<td>Citrine</td>
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<tr>
<td>4B-ME</td>
<td>Emerald</td>
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<tr>
<td>4B-MG</td>
<td>Garnet</td>
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<tr>
<td>4B-MJ</td>
<td>Jade</td>
</tr>
<tr>
<td>4B-MM</td>
<td>Malachite</td>
</tr>
<tr>
<td>4B-NR</td>
<td>Ruby</td>
</tr>
<tr>
<td>4B-NS</td>
<td>Sapphire</td>
</tr>
<tr>
<td>4B-ME</td>
<td>Tiger’s Eye</td>
</tr>
<tr>
<td>4B-AM</td>
<td>Amber</td>
</tr>
<tr>
<td>4B-AM</td>
<td>Aquamarine</td>
</tr>
<tr>
<td>4B-CN</td>
<td>Citrine</td>
</tr>
<tr>
<td>4B-ME</td>
<td>Emerald</td>
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<tr>
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<td>Garnet</td>
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<tr>
<td>4B-MJ</td>
<td>Jade</td>
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<tr>
<td>4B-MM</td>
<td>Malachite</td>
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<tr>
<td>4B-NR</td>
<td>Ruby</td>
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<tr>
<td>4B-NS</td>
<td>Sapphire</td>
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<tr>
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<td>4B-AM</td>
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<tr>
<td>4B-CN</td>
<td>Citrine</td>
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<tr>
<td>4B-ME</td>
<td>Emerald</td>
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<td>4B-MG</td>
<td>Garnet</td>
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<td>4B-MJ</td>
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<tr>
<td>4B-NR</td>
<td>Ruby</td>
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<tr>
<td>4B-NS</td>
<td>Sapphire</td>
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<tr>
<td>4B-ME</td>
<td>Tiger’s Eye</td>
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## Seating Fabrics/Color Legend

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<th>Fabric Grade: D</th>
<th>BIG ARROW 100% Post Consumer Recycled Polyester 4D-BS Bisque 4D-GL Glass 4D-MG Medium Grey 4D-RH Red 4D-SA Salmon 4D-WH Warm Neutral</th>
<th>Fabric Grade: D</th>
<th>ELEMENT 76% Post Consumer Recycled Polyester 24% Rayon 4Z-ES Essential 4Z-FS Fossil 4Z-HR Herbal 4Z-LG Logic 4Z-PT Poetic 4Z-RR Root 4Z-RT Root 4Z-SC Scenic 4Z-TH Thread 4Z-TM Timeless 4Z-TR Truth 4Z-WN Wind 07-WL Willow</th>
<th>Fabric Grade: D</th>
<th>TANGRAM 57% Polyester, 28% Post Industrial Recycled Polyester, 15% Post Consumer Recycled Polyester (43% REPREVE) 1W-01 Bubbly 1W-02 Stout 1W-03 Gibson 1W-04 Grasshopper 1W-05 Swizzle 1W-06 Pink Squirrel</th>
<th>ALERT: These materials are current, however they are being considered for future obsolescence due to low volume.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fabric Grade: D</td>
<td>BIG DIAGONALE 66% Post Consumer Recycled Polyester 34% Post Industrial Recycled Polyester 1K-AM Amber 1K-BL Balsam 1K-CH Carbon 1K-ER Earth 1K-HN Henna 1K-MN Mineral 1K-PR Parrot 1K-RD Red 1K-RS Rosa 1K-SE Sea 1K-TR Terracotta 1K-ZF Zaffer</td>
<td>Fabric Grade: D</td>
<td>MAIN LINE FLAX 70% Virgin Wood 30% Flax 6M-AL Aldigate 6M-AR Archway 6M-BA Bank 6M-BY Baywater 6M-BT Bethnal 6M-BR Brompton 6M-CN Camden 6M-GL Goldhawk 6M-LM Lambeth 6M-LY Leyton 6M-MN Monument 6M-ST Stannore 6M-TM Temple 6M-TW Tower 6M-TF Tufnell 6M-WS Westminster</td>
<td>Fabric Grade: E</td>
<td>BRISA FAUX LEATHER 100% Polyurethane face, 65% Rayon, 35% Rayon Backing XG-22 Ash XG-12 Black Oxxy XG-18 Night Navy XG-21 Pompeian Red XG-27 Shitake XG-13 White</td>
<td>Fabric Grade: E</td>
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<tr>
<td>Fabric Grade: D</td>
<td>CLASS 100% Polyester 07-CN Chestnut 07-DP Dew Drops 07-FS Fossil 07-HR Herbal 07-LG Logic 07-NM Monument 07-SF Soft 07-WL Willow</td>
<td>Fabric Grade: B</td>
<td>COCKTAIL 100% Eco-Intelligent® Polyester MBD Cradle to Cradle Gold 1W-12 Black Cow 1W-13 Boilermaker 1W-01 Bubbly 1W-03 Gibson 1W-04 Grasshopper 1W-07 Lounge 1W-16 Margarita 1W-10 Martini 1W-14 Mojito 1W-11 Old Fashion 1W-06 Pink Squirrel 1W-15 Sidecar 1W-09 Stinger 1W-02 Stout 1W-05 Swizzle</td>
<td></td>
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**Haworth Alliance**

For information on Haworth Alliance Program, please refer to: surfaces.haworth.com

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**Customer's Own Material (COM)**

For Customer's Own Material (COM) information including requesting a new COM, please refer to: surfaces.haworth.com

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**Surfaces**

February 2020 / N.A.
### Patterns Cushion Usage

<table>
<thead>
<tr>
<th>Nominal (Inches)</th>
<th>66 Inch Roll (Linear Yards)</th>
<th>54 Inch Roll (Linear Yards)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Depth Width</td>
<td>Rightway</td>
</tr>
<tr>
<td><strong>Pedestal Cushions</strong></td>
<td>15.75”(400mm)</td>
<td>14.75”(375mm)</td>
</tr>
<tr>
<td></td>
<td>21.75”(552mm)</td>
<td>14.75”(375mm)</td>
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<tr>
<td></td>
<td>16.125”(410mm)</td>
<td>23&quot;(584mm)</td>
</tr>
<tr>
<td><strong>File Cushions</strong></td>
<td>15.75”(400mm)</td>
<td>14.75”(375mm)</td>
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<tr>
<td></td>
<td>15.75”(400mm)</td>
<td>35”(889mm)</td>
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<tr>
<td><strong>Powered Bench Cushions</strong></td>
<td>22”(559mm)</td>
<td>72”(1829mm)</td>
</tr>
<tr>
<td></td>
<td>96”(2438mm)</td>
<td>2.36</td>
</tr>
<tr>
<td></td>
<td>120”(3048mm)</td>
<td>3.02</td>
</tr>
<tr>
<td></td>
<td>30”(762mm)</td>
<td>72”(1829mm)</td>
</tr>
<tr>
<td></td>
<td>96”(2438mm)</td>
<td>4.72</td>
</tr>
<tr>
<td></td>
<td>120”(3048mm)</td>
<td>6.06</td>
</tr>
<tr>
<td><strong>Non-Powered Bench Cushions</strong></td>
<td>22”(559mm)</td>
<td>72”(1829mm)</td>
</tr>
<tr>
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<td>96”(2438mm)</td>
<td>2.83</td>
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<tr>
<td></td>
<td>120”(3048mm)</td>
<td>3.50</td>
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<tr>
<td></td>
<td>30”(762mm)</td>
<td>72”(1829mm)</td>
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<td></td>
<td>96”(2438mm)</td>
<td>5.67</td>
</tr>
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<td>120”(3048mm)</td>
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### Patterns Privacy Screen Usage

<table>
<thead>
<tr>
<th>Nominal (Inches)</th>
<th>66 Inch Roll (Linear Yards)</th>
<th>54 Inch Roll (Linear Yards)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Height Width</td>
<td>Rightway</td>
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<tr>
<td><strong>Straight Screen</strong></td>
<td>28”(711mm)</td>
<td>30”(762mm)</td>
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<tr>
<td></td>
<td>36”(914mm)</td>
<td>1.89</td>
</tr>
<tr>
<td></td>
<td>42”(1067mm)</td>
<td>1.89</td>
</tr>
<tr>
<td></td>
<td>48”(1219mm)</td>
<td>1.89</td>
</tr>
</tbody>
</table>

### Patterns Workwall Tackboard Usage

<table>
<thead>
<tr>
<th>Nominal (Inches)</th>
<th>66 Inch Roll (Linear Yards)</th>
<th>54 Inch Roll (Linear Yards)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Height Width</td>
<td>Rightway</td>
</tr>
<tr>
<td><strong>Height (Inches)</strong></td>
<td>36”(914mm)</td>
<td>1.22</td>
</tr>
<tr>
<td></td>
<td>48”(1219mm)</td>
<td>1.22</td>
</tr>
<tr>
<td></td>
<td>60”(1524mm)</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Width (Inches)</strong></td>
<td>36”(914mm)</td>
<td>1.67</td>
</tr>
<tr>
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<td>48”(1219mm)</td>
<td>1.67</td>
</tr>
<tr>
<td></td>
<td>60”(1524mm)</td>
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</tr>
<tr>
<td><strong>Height (Inches)</strong></td>
<td>36”(914mm)</td>
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<tr>
<td></td>
<td>48”(1219mm)</td>
<td>2.11</td>
</tr>
<tr>
<td></td>
<td>60”(1524mm)</td>
<td>N/A</td>
</tr>
</tbody>
</table>
These Terms of Sale are part of a quotation, bid response, or other sales document issued by Haworth, Inc., Haworth, Ltd. ("Haworth").

These Terms of Sale do not cover products manufactured in North America shipping to non-North American countries nor do they cover products manufactured in non-North American countries shipping to North America. For those terms of sale, please contact Haworth's Global Trade and Compliance Department at 616.393.3000 or through Haworth.com.

A. Ordering Information

Haworth sells its products on the terms set forth in these standard Terms of Sale:

ORDERS MUST BE SUBMITTED IN WRITING OR ELECTRONICALLY (Lynx) AS REPRESENTED BY A VALID PURCHASE ORDER, WHICH INCLUDES PRODUCT TOTAL.

An order is not binding upon Haworth until Haworth issues an order acknowledgment to the customer (the "Customer"), which will include price information and an anticipated delivery date.

1. Order Changes/Cancellations

For Specials, Customer’s Own Material (C.O.M.), finish matches, custom colors, custom products, Master lock and key orders, and RUSH orders, no changes or cancellations are allowed 24 hours after order placement. All other products require approval for changes or cancellations. A change/cancellation fee may apply. Contact Order Services for applicable changes.

Ship-to addresses changed within five (5) business days of delivery will incur fees to cover administrative costs due to re-labeling of product and/or reconsignment fees with the carrier.

Order cancellations are complete annulsments of orders. Order changes are the deletion of line items or a change in size, color, quantity, ship-to address, or scope of work. There is no penalty for additions; however, any change may cause the order or the line items affected to be rescheduled. Order changes involving additional product and services which increase the value must be accompanied by an amended Purchase Order or other document as agreed.

ALL CHANGES MUST BE IN WRITING, REGARDLESS OF THE (DOLLAR) VALUE. CHANGES ARE NOT BINDING UPON HAWORTH UNTIL HAWORTH ISSUES AN ACKNOWLEDGMENT OF THE CHANGE.

2. C.O.M. (Customer’s Own Material)

A Customer who requests a fabric, surface or finish material (C.O.M.) not in Haworth's standard finish offering must first confirm approval of or request new approval for the C.O.M.

Haworth will determine feasibility of the material for manufacturability. For a description of the procedure to submit C.O.M. samples, contact Haworth's Order Services department. For testing information, see the C.O.M. section of the catalog, or call Haworth Order Services.

If Haworth agrees to use the C.O.M., (1) Haworth shall have no responsibility for the condition, quality, value, performance, physical properties, or any other aspect of the C.O.M.; and (2) Haworth shall have no liability for any damages, injuries, or losses to the Customer or to any third party that shall be caused by any C.O.M., and the Customer shall hold Haworth harmless for all such liability.

3. Valid/Complete Purchase Order

The following information is required in order to process an order with Haworth:

a. Customer Information

i. Sold To: Legal name, complete address (if Haworth is to bill the end user, provide end user Purchase Order made out to Haworth, Inc., Haworth, Ltd.) and phone and fax number.

ii. Ship To: Legal name and address.

iii. Purchase Order Number: From the party Haworth will be billing.

iv. Authorized Signature: All Purhase Orders must be signed by a duly authorized representative if a signature line is present. Electronically transmitted Purchase Orders will be accepted without a signature if dealer billed and the dealer has an electronic purchase payment agreement on file.

v. Contact Name and Phone Number: Person Haworth should contact with any questions regarding the order.

vi. Shipping Contact: Name and phone number of person to be contacted regarding shipping and delivery matters.

vii. Tagging Instructions: This information will appear on all documentation received from Haworth including: cartons, acknowledgments, and invoices.

viii. Price Agreement or National Sales Agreement Number

ix. Product Total: Net dollars.

x. Installation, Design, Project Management, and/or Service Fees

b. Product Information

i. Quantity

ii. Product Numbers

iii. Colors

iv. Specials: Specify special part number for new special products.

v. Customer’s Own Material: Order entry code, manufacturer, pattern, and color.

vi. Approval Drawings: An authorized signature by a duly authorized representative is required for shop drawings when applicable.

vii. A deposit may be required for custom materials.

c. Order Confirmation

All orders will be acknowledged.

B. Pricing Policies

1. Terms of Payment

Terms of payment and credit limits will be established based on financial information. Standard payment terms on open credit are net thirty (30) days from invoice date. Advance payments or other payment security may be required by Haworth. The account balance must be at or below the credit limit and current at all times (no past-due balances). Haworth reserves the right to delay or cancel any delivery to a Customer whose Haworth account balance is over the credit limit and/or past due. For walls and floors a deposit will be required.

2. Terms of Credit

Customer hereby authorizes Haworth to obtain such credit reports, financial information or other information as Haworth may request, including, without limitation, credit information from any financial institutions or others having a business relationship with the Customer. Customer hereby authorizes any credit references to answer Haworth's inquiries and provide such credit information and documentation as Haworth may request.

The Customer hereby releases and holds Haworth harmless for any inconvenience whatsoever, caused by any temporary or permanent withdrawal or restriction of credit privileges hereunder, or the enforcement of any of the provisions contained in this paragraph.

3. Past-Due Charges

Past-due balances will be increased by a maximum of 1.5% per month, or 18% annually, without forfeit of Haworth's right to immediate payment.

4. Applicable Prices

The price of any product sold to Customer by Haworth will be based upon the North American Price List (Catalog).

Prices and discounts are subject to change without notice or approval. In the event of an adjustment to pricing, National Sales Agreement (NSA) Customers will be notified in advance according to the terms of the NSA.

Applicable prices and currency exchange rates are those in effect at the time of the RECEIPT of an ORDER. Haworth reserves the right to use the published pricing effective at the time of shipment, if the requested delivery date is more than 120 days after the order receipt date.
Haworth Flooring products are sold using the North American price list in US dollars. Currency exchange rates at the time of the transaction will be used to convert the USD amount into the alternate currency. Should the currency exchange rate between the USD and alternate currency change between a quote and the receipt of an order, the alternate currency amount will also change to equal the current, equivalent USD amount.

5. C.O.M. (Customer’s Own Material) Charges
Refer to appropriate Customer’s Own Material (C.O.M.) form for applicable surface material charges.

6. Taxes
Haworth prices do not include customs duty, sales, use, value added or similar taxes. Any federal, state/provincial or other taxes or assessments based upon the sale or delivery of products or services sold applicable to the customer at present or later imposed by federal, state/provincial or municipal agencies, shall be added and paid by the customer. Customer is responsible for all such taxes.

NOTE: For all countries a valid sales tax exemption certificate must be approved by and on file with Haworth prior to product shipment. Otherwise, sales tax will be due and payable to Haworth when such tax is invoiced to Customer.

7. Services
If, as a result of Customer request, the Haworth dealer or Haworth subsidiary provides planning/design services, storage, project management, special handling, set-up, installation and/or other services, the Customer will be charged at the local Haworth dealer/subsidiary's prevailing rates.

8. Termination by Haworth
Haworth may immediately terminate an order upon written notice in the event bankruptcy or insolvency proceedings are instituted by or against the Customer, or the Customer is adjudicated as bankrupt, becomes insolvent, makes an assignment for the benefit of creditors, or proposes or makes any arrangements for the liquidation of its assets or any part of the assets of the Customer.

C. Shipping and Delivery
Haworth will have the right to determine the method of shipment and routing of product. If, for any reason, a delivery has to be made to an intermediate location (i.e. a location other than the “Ship To” location noted on the order or ultimate end user location), all handling and re-delivery costs incurred would be at the Customer’s expense.

1. U.S.A. - Contiguous
All deliveries will be CPT (Carriage Paid To) (ICC Incoterms 2010). Haworth's catalog prices include ocean freight and insurance to the port of the final destination. Customer bears all risk of loss or damage to the goods when they are placed on Haworth’s means of transport.

2. U.S.A. - Non-contiguous (Alaska, Hawaii and Puerto Rico)
All deliveries will be CIF (Cost, Insurance and Freight) (ICC Incoterms 2010). Haworth's catalog prices include ocean freight and insurance to the port of the final destination. Haworth has the right to determine the carrier, method of shipment and routing. Customer bears all risk of loss or damage to the goods when the goods are effectively at the Customer’s named facility.

3. Canada
All deliveries will be DDP (Delivered Duty Paid) (ICC Incoterms 2010). Haworth's catalog prices include delivery to Customer’s named place, not unloaded from any arriving means of transport. Customer bears all risk of loss or damage to the goods when they are delivered to the Customer’s named facility not unloaded. Haworth will assume responsibility to file all freight claims with the carrier for any loss/damage which may occur while product is in transit, and will promptly repair or replace any damaged or lost product. Haworth requires the Customer to report all freight damage and/or loss to both the carrier and to Haworth.

NOTE: Under all delivery terms (U.S.A. and Canada), any additional expense resulting from Customer’s request for expedited transportation, special services, packaging, handling, routing, and/or shipping method will be billed to Customer.

4. Mexico
All deliveries will be DAP (Delivered to Place) (ICC Incoterms 2010). Haworth’s catalog prices include freight charges for normal surface transportation to a United States point of exportation within the 48 contiguous states. Haworth has the right to determine the carrier, method of shipment and routing.

Customer bears all risk of loss or damage to the goods when the goods are delivered to the named United States point of exportation. Haworth will provide customs clearance facilitation and arrangement of local delivery through an Authorized Dealer in Mexico, on a separately negotiated basis. Otherwise the Customer will be responsible for all customs clearance formalities and on-carryage from the United States point of exportation to the final destination in Mexico.

5. Delivery Dates and Delay
If Haworth cannot deliver products as scheduled due to causes beyond its reasonable control (such as casualty, labor disputes, or accident; inability to obtain necessary labor, material or transportation; or changes requested by the Customer), the delivery date will be extended to compensate for the delay as determined by Haworth.

6. Delivery Shortages and Damage
Product shortages and damage must be noted on delivery receipts at the time of delivery and reported to the carrier for correction.

Claims against Haworth for shortages, errors, or damage must be made within ten (10) days of the date of delivery or the Customer waives the right to make such a claim. Signed Bill of Ladings or Delivery Receipt must be sent in with claims. See the Haworth/Haworth Dealers Roles and Responsibilities document for further details.

7. Storage
Haworth may transfer product to storage at the Customer's risk and expense if the Customer is unable or unwilling to take delivery of product as originally scheduled. Upon such transfer to storage, the Customer assumes risk of loss. Haworth will invoice the Customer for storage fees and the Customer will make payments in accordance with Haworth’s standard payment terms.
D. General Terms

1. Governing Law
For products purchased for delivery in the U.S. pursuant hereto, this Agreement shall be governed by and construed according to the laws of the State of Michigan. Where Products are purchased for delivery in Canada pursuant hereto, this Agreement shall be governed by and construed according to the laws of the Province of Alberta. In either case, the parties attorn to the exclusive jurisdiction of the courts of Michigan and Alberta, respectively for the purpose of hearing any disputes arising under this Agreement or with respect to any Products sold pursuant hereto, and agree that the provisions of the United Nations Convention on Contracts for the International Sale of Goods and any other provision or law which would have the effect of applying the laws of any jurisdiction other than Michigan or Alberta, as the case may be, shall be excluded.

2. Force Majeure
In the event that the performance of Customer or Haworth or its participating dealer assignee(s) would be prevented, restricted, interfered with or rendered commercially impracticable by reason of Force Majeure, then upon the giving of notice to the other parties, the party affected by the Force Majeure shall be excused from performing hereunder until the Force Majeure no longer prevents, restricts, interferes with, or renders such performance commercially impracticable. “Force Majeure” shall mean: fire, explosion, breakdown of plant, epidemic, hailstorm, snow/ice storms en route, hurricane, tornado, cyclone, flood or power failure; war, revolution, civil or military disturbances, acts of public enemies, acts of terrorism, blockade or embargo; any law, order, proclamation, regulation, ordinance, demand or requirement of any applicable governmental authority or any subdivision, authority, or representative of any such government; labor difficulties, including without limitation, strikes, slowdowns, picketing or boycotts; or difficulties beyond Haworth’s reasonable control in obtaining necessary raw materials, labor, fuels and electric power, components or facilities, and any other circumstances beyond the control of the party affected.

3. Delays by Customer
Where Haworth has not received adequate site dimensions, Product specifications, shipping information, installation particulars or other information required by Haworth to permit the efficient manufacture of any Products, or where site conditions are not in accordance with the Installation Requirements set forth, or are not otherwise suitable to permit effective and efficient installation, the manufacture and/or delivery of Products may be delayed, and such event shall constitute a delay by the Customer. When manufacture, delivery or installation is delayed by the Customer or at the Customer’s request: (i) Haworth may, at its option, present the invoice for the full price of the Products to the Customer as then due and payable; (ii) the Customer shall pay to Haworth all reasonable storage, handling and other reasonable incidental expenses incurred by Haworth in connection with such delay; and (iii) the Customer shall bear all risk of loss or damage to the Products being held by Haworth for the Customer.

4. Use and Installation of Products
Haworth recommends that its products be installed by certified, qualified and approved installers according to Haworth’s written installation procedures. The Customer agrees to use Haworth products properly; not to remove or alter safety devices, warnings, or operation instructions placed on products by Haworth, and to instruct employees as to the proper care and use of the products according to printed instructions.

5. Warranty
Haworth’s standard North American Warranty will apply as appropriate. All product line warranty specifics are available in each catalog or upon request.

E. Services
Service requests for design, installation, relocation, storage, etc. are handled by the local Haworth dealer on a separately negotiated basis. Contact the local Haworth dealer, affiliate or area sales office for more details.

Scope of Work - Design
Customer acknowledges that the Products to be manufactured or procured by Haworth in connection with the order are or may be custom manufactured for the Customer and that Haworth may be required to perform extensive work in relation to the design and specification of such Products. Where Customer requests that Haworth create as-built drawings or make more than two material revisions to any particular Product design or specification, Customer agrees that Haworth shall be entitled to invoice Customer with respect to such additional work on the basis of Haworth’s then prevailing rates for related design and specification services.

Installation Requirements
Where installation services are to be provided by Haworth, its authorized dealer or subcontractor, a document will be provided setting forth the scope of installation work to be performed (the “Scope of Work”) and the price to be charged therefore. Unless otherwise specified in the scope of work, Haworth’s installation services are limited to products sold by Haworth with the exception of lighting, under floor electrical and data.

General Conditions
(a) Sufficient time shall be allocated by the Customer following delivery of Products and prior to Customer’s occupation of the premises to allow the installation of all Products during conventional working hours, Monday through Friday, 7:30 a.m. to 4:30 p.m. Where sufficient time is not allocated and Haworth is required or requested to perform installation work outside of such times, overtime charges shall be charged at Haworth’s then prevailing rates. (b) Haworth shall be given free and exclusive access to: (i) a loading dock within 150’ of the freight elevator or hoist, which loading dock shall be of sufficient size to enable full-size tractor-trailer deliveries to the premises (where required by Haworth); (ii) a freight elevator or hoist of sufficient size and capacity to allow the efficient moving of the Products; (iii) an unobstructed and safe pathway to the area where Products are to be stored or staged; (iv) a secure storage / staging area; (v) convenient trash facilities; (vi) adequate lighting; (vii) a work site that complies with applicable health and safety legislation. Where such areas and facilities are not available, Haworth shall be entitled to bill Customer for all amounts incurred by Haworth for double-handling, product movement, lifting, hoisting, trash removal and any other resulting charges. (c) The installation site shall be free and clear of existing furniture, debris, or other obstructions (including construction in progress) and shall otherwise be in the reasonable opinion of Haworth ready for installation of the Products. Any building where Products are to be installed shall be fully closed in, dry and protected from the natural elements, with temperatures between 40°F and 90°F (4°C and 32°C) and relative humidity not to exceed 70% at all times including receipt of products, during and after installation and shall be adequately heated and/or air-conditioned. Where unusual site conditions exist which impede or prevent the normal installation of any Products, applicable extra charges shall apply at prevailing rates. (d) Haworth’s installation pricing is based upon the installation occurring as one continuous delivery and installation project. Phased installation pricing shall be provided by Haworth on a case by case basis. (e) Electrical hardwiring, plumbing and mechanical work is not included and shall be the responsibility of the Customer. (f) Except as may be otherwise specifically indicated, installation pricing does not apply to projects where union labor is required. Where Haworth has provided installation pricing on the basis that non-union labor be utilized, and where Haworth is required to use union labor or it otherwise becomes impractical to use non-union labor, or where Haworth is required by law to use prevailing wages, Haworth shall be entitled to charge the Customer for any cost differential between the anticipated cost of non-union labor and the actual cost of utilizing union or prevailing wage labor. (g) Haworth shall not be responsible for obtaining permits.
Project / Site Conditions
Lateral load bracing is not included in the scope of Haworth's work and shall not be performed by Haworth. In areas where flooring Products are to be installed by Haworth overhead construction must be completed prior to the commencement of such work to avoid damage to the panels and finishes. The existing subfloor must be smooth, mopped clean, free of moisture, dust, dirt and debris. Once installed, the access floor must be maintained in the same manner. The subfloor must have a maximum vertical elevation deviation of 0.375” (10mm) over a horizontal span of 10'-0" (3m), and without discontinuities in floor slope. For greater certainty, the scope of Haworth's installation work in such areas shall not be deemed to include any work required to level such subfloor, remove protrusions, remove pre-existing floor coverings or adhesives, or any other work which is required to remedy any conditions which may impede the efficient installation of flooring. Except as may be otherwise specifically indicated in the order, installation pricing for flooring Products and the Scope of Work in relation thereto shall not include any work required to remove and replace floor panels following their initial installation to provide tradespersons or others with access to the underpanel cable management cavity. In areas where movable walls are to be installed, all flooring (including carpeting) and ceiling components (including dropped ceiling grid components) shall be fully complete and ready for the installation of the movable wall products. Further, the existing floor (or other surface on which the movable wall panels are to be installed) shall have a maximum vertical deviation of 1.25” (30mm) and the dropped ceiling grid shall have a maximum vertical deviation of 0.375” (10mm) from the specifications to which such movable wall panels were designed and manufactured (collectively the “Permitted Tolerances”), and shall otherwise comply with any site condition assumptions made known to Haworth prior to the manufacture of such Products (the "Site Assumptions"). Where the Permitted Tolerances or Site Assumptions are not strictly adhered to or met, additional charges may be incurred in connection with site remediation and/or the modification or remanufacture of affected movable wall products, together with all resulting shipping and labor charges at Haworth’s then prevailing rates for such Products and services.

Installation Change Orders
Where Customer requests work to be performed or materials to be provided which are not contemplated in the Scope of Work, or Customer otherwise requests Products or services not contemplated in the order (collectively “Extras”), prior to providing such Extras Haworth reserves the right to require the Customer to provide and sign a written Purchase Order or Change Order acceptable to Haworth describing the Extras and the amounts to be charged therefore, and the Customer agrees to pay such charges.

Entire Agreement
The order and this Agreement (including applicable Schedules) constitute the sole agreement between the parties and supercede any prior understanding or written or oral agreements between the parties (excluding National Sales Agreements). No waiver of any of the provisions of these Standard Terms and Conditions shall be binding on Haworth unless expressly agreed in writing.
Patterns Price List

Index

Products are listed alphabetically in this index by alpha-numeric prefix/suffix codes.

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQAB</td>
<td>Electrical Components – Infeed Harness – Base Feed Cover</td>
<td>81</td>
</tr>
<tr>
<td>EQAP</td>
<td>Electrical Components – Hardwire – Wall Plate – Hardwire</td>
<td>91</td>
</tr>
<tr>
<td>EQE1</td>
<td>Electrical Components – Flip Top Unit with Conduit</td>
<td>87</td>
</tr>
<tr>
<td>EQE2</td>
<td>Electrical Components – Flip Top Unit with Conduit</td>
<td>87</td>
</tr>
<tr>
<td>EQEB</td>
<td>Electrical Components – Power Base™ Al Infeed Harness – for use with Patterns</td>
<td>82</td>
</tr>
<tr>
<td>EQEB-3, 4</td>
<td>Electrical Components – Infeed Harness</td>
<td>81</td>
</tr>
<tr>
<td>EQEB-C</td>
<td>Electrical Components – Infeed Harness</td>
<td>81</td>
</tr>
<tr>
<td>EQEG</td>
<td>Electrical Components – Hardwire – Junction Box</td>
<td>91</td>
</tr>
<tr>
<td>EQEJ</td>
<td>Electrical Components – Horizontal Jumper/4-Port Splitter</td>
<td>84</td>
</tr>
<tr>
<td>EQEJ</td>
<td>Electrical Components – Vertical Jumper</td>
<td>83</td>
</tr>
<tr>
<td>EQEJ-0000</td>
<td>Electrical Components – Horizontal Jumper/4-Port Splitter</td>
<td>84</td>
</tr>
<tr>
<td>EQER</td>
<td>Electrical Components – Hardwire – Receptacles – Duplex</td>
<td>91</td>
</tr>
<tr>
<td>EQER-0015</td>
<td>Modular Receptacle — 15 Amp Duplex</td>
<td>89</td>
</tr>
<tr>
<td>EQER-0020</td>
<td>Modular Receptacle — 20 Amp Duplex</td>
<td>90</td>
</tr>
<tr>
<td>EQET</td>
<td>Electrical Components – Top Feeds – Standard Top Feeds</td>
<td>85</td>
</tr>
<tr>
<td>EQTH</td>
<td>Electrical Components – Top Feed Harness</td>
<td>86</td>
</tr>
<tr>
<td>EUE1-1221W</td>
<td>Electrical Components – Flip Top Unit with Cord</td>
<td>88</td>
</tr>
<tr>
<td>EUE1-1331W</td>
<td>Electrical Components – Flip Top Unit with Cord</td>
<td>88</td>
</tr>
<tr>
<td>GQP-C</td>
<td>Patterns Series – Cushion – File Cushion</td>
<td>105</td>
</tr>
<tr>
<td>GQP-C</td>
<td>Patterns Series – Cushion – Pedestal Cushion</td>
<td>105</td>
</tr>
<tr>
<td>LQTS</td>
<td>Workwall – Task Light with Mounting Channel</td>
<td>92</td>
</tr>
<tr>
<td>LQTS</td>
<td>Workwall – Task Light without Mounting Channel</td>
<td>92</td>
</tr>
<tr>
<td>PQJD</td>
<td>Privacy Screens – Straight</td>
<td>104</td>
</tr>
<tr>
<td>QOBA</td>
<td>File Enclosure – Backer – Laminate</td>
<td>68</td>
</tr>
<tr>
<td>QOBA</td>
<td>File Enclosure – Backer – Wood</td>
<td>70</td>
</tr>
<tr>
<td>QQHA</td>
<td>File Enclosure – Horizontal Element – Laminate</td>
<td>64</td>
</tr>
<tr>
<td>QQHA</td>
<td>File Enclosure – Horizontal Element – Wood</td>
<td>65</td>
</tr>
<tr>
<td>QQMA</td>
<td>File Enclosure – Reference Return – Laminate</td>
<td>74</td>
</tr>
<tr>
<td>QQMA</td>
<td>File Enclosure – Reference Return – Wood</td>
<td>75</td>
</tr>
<tr>
<td>QQT-A</td>
<td>File Enclosure – Reference Top – Laminate</td>
<td>72</td>
</tr>
<tr>
<td>QQT-A</td>
<td>File Enclosure – Reference Top – Wood</td>
<td>73</td>
</tr>
<tr>
<td>QQUA</td>
<td>File Enclosure – Shell – Laminate</td>
<td>57</td>
</tr>
<tr>
<td>QQUA</td>
<td>File Enclosure – Shell – Wood</td>
<td>61</td>
</tr>
<tr>
<td>QQUE</td>
<td>File Enclosure – Shell – Laminate</td>
<td>57</td>
</tr>
<tr>
<td>QQUE</td>
<td>File Enclosure – Shell – Wood</td>
<td>61</td>
</tr>
<tr>
<td>QQVA</td>
<td>File Enclosure – Vertical Element – Laminate (For use with Horizontal File Enclosure Element Only)</td>
<td>66</td>
</tr>
<tr>
<td>QQVA</td>
<td>File Enclosure – Vertical Element – Wood (For use with Horizontal File Enclosure Element Only)</td>
<td>67</td>
</tr>
<tr>
<td>QQVA</td>
<td>File Enclosure – Reference Top – Wood – Vertical Element – Laminate (For use with Reference Top and Reference Return)</td>
<td>76</td>
</tr>
<tr>
<td>QQVA</td>
<td>File Enclosure – Reference Top – Wood – Vertical Element – Laminate (For use with Reference Top and Reference Return)</td>
<td>76</td>
</tr>
<tr>
<td>QQVA</td>
<td>File Enclosure – Reference Top – Wood – Vertical Element – Wood (For use with Reference Top and Reference Return)</td>
<td>76</td>
</tr>
<tr>
<td>QQVA</td>
<td>File Enclosure – Reference Top – Wood – Vertical Element – Wood (For use with Reference Top and Reference Return)</td>
<td>77</td>
</tr>
<tr>
<td>QQVA</td>
<td>File Enclosure – Reference Top – Wood – Vertical Element – Wood (For use with Reference Top and Reference Return)</td>
<td>77</td>
</tr>
<tr>
<td>RQAL</td>
<td>Workwall Accessories – Load Distribution Floor Anchor Plate</td>
<td>47</td>
</tr>
<tr>
<td>RQAW</td>
<td>Workwall – Wire Manager – Vertical</td>
<td>44</td>
</tr>
<tr>
<td>RQBA-GM</td>
<td>Workwall Backer – 24” Segmented – Glass</td>
<td>25</td>
</tr>
<tr>
<td>RQBA-L2</td>
<td>Workwall Backer – Half Width – Laminate</td>
<td>22</td>
</tr>
<tr>
<td>RQBA-LM</td>
<td>Workwall Backer – 24” Segmented – Laminate</td>
<td>23</td>
</tr>
<tr>
<td>RQBA-WM</td>
<td>Workwall Backer – 24” Segmented – Wood</td>
<td>24</td>
</tr>
<tr>
<td>RQBM</td>
<td>Workwall Suspended Shelf Backers – Glass</td>
<td>39</td>
</tr>
<tr>
<td>RQBM-L</td>
<td>Workwall Suspended Shelf Backers – Laminate</td>
<td>39</td>
</tr>
<tr>
<td>RQBM-W</td>
<td>Workwall Suspended Shelf Backers – Workwall – Suspended Shelf Backer – Laminate</td>
<td>39</td>
</tr>
<tr>
<td>RQCA-LJ</td>
<td>Workwall – Credenza Top – Laminate</td>
<td>34</td>
</tr>
<tr>
<td>Product Code</td>
<td>Product Description</td>
<td>Page</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>RQCA-WK</td>
<td>Workwall – Credenza Top – Wood</td>
<td>35</td>
</tr>
<tr>
<td>RQDL</td>
<td>Workwall – Sliding Doors – Glass</td>
<td>43</td>
</tr>
<tr>
<td>RQDL</td>
<td>Workwall – Sliding Doors – Laminate</td>
<td>41</td>
</tr>
<tr>
<td>RQDL</td>
<td>Workwall – Sliding Doors – Wood</td>
<td>42</td>
</tr>
<tr>
<td>RQEHH</td>
<td>Workwall To Compose Power Harness – 4-Circuit (2+2 or 3+1)</td>
<td>46</td>
</tr>
<tr>
<td>RQEHH-3</td>
<td>Workwall To Compose Power Harness – 3-Circuit</td>
<td>46</td>
</tr>
<tr>
<td>RQHA-L</td>
<td>Workwall – Horizontal Element – Laminate</td>
<td>18</td>
</tr>
<tr>
<td>RQHA-W</td>
<td>Workwall – Horizontal Element – Wood</td>
<td>19</td>
</tr>
<tr>
<td>RQIT</td>
<td>Workwall – Tackboards – Double Sided</td>
<td>45</td>
</tr>
<tr>
<td>RQMA-LN</td>
<td>Workwall – Reference Return – Laminate</td>
<td>28</td>
</tr>
<tr>
<td>RQMA-WN</td>
<td>Workwall – Reference Return – Wood</td>
<td>29</td>
</tr>
<tr>
<td>RQPA-LN</td>
<td>Workwall – Portal – Laminate</td>
<td>30</td>
</tr>
<tr>
<td>RQPA-WN</td>
<td>Workwall – Portal – Wood</td>
<td>31</td>
</tr>
<tr>
<td>RQRF</td>
<td>Workwall Accessories – Workwall – Vertical End Trim</td>
<td>48</td>
</tr>
<tr>
<td>RQ51</td>
<td>Workwall Suspended Shelf – Glass</td>
<td>38</td>
</tr>
<tr>
<td>RQ51</td>
<td>Workwall Suspended Shelf – Laminate</td>
<td>36</td>
</tr>
<tr>
<td>RQ52</td>
<td>Workwall Suspended Shelf – Wood</td>
<td>37</td>
</tr>
<tr>
<td>RQ53</td>
<td>Workwall Suspended Shelf – Glass</td>
<td>38</td>
</tr>
<tr>
<td>RQ53</td>
<td>Workwall Suspended Shelf – Laminate</td>
<td>36</td>
</tr>
<tr>
<td>RQ53</td>
<td>Workwall Suspended Shelf – Wood</td>
<td>37</td>
</tr>
<tr>
<td>RQ5C</td>
<td>Workwall – Floor Supported Shelf – Laminate</td>
<td>40</td>
</tr>
<tr>
<td>RQ5C</td>
<td>Workwall – Floor Supported Shelf – Wood</td>
<td>40</td>
</tr>
<tr>
<td>RQTA-LN</td>
<td>Workwall – Reference Top – Laminate</td>
<td>26</td>
</tr>
<tr>
<td>RQTA-WN</td>
<td>Workwall – Reference Top – Wood</td>
<td>27</td>
</tr>
<tr>
<td>RQUA-L</td>
<td>Workwall – Shell – Laminate</td>
<td>14</td>
</tr>
<tr>
<td>RQUA-L</td>
<td>Workwall – Shell – Laminate</td>
<td>14</td>
</tr>
<tr>
<td>RQUA-W</td>
<td>Workwall – Shell – Wood</td>
<td>16</td>
</tr>
<tr>
<td>RQUA-W</td>
<td>Workwall – Shell – Wood</td>
<td>16</td>
</tr>
<tr>
<td>RQUE-L</td>
<td>Workwall – Shell – Laminate</td>
<td>14</td>
</tr>
<tr>
<td>RQUE-L</td>
<td>Workwall – Shell – Laminate</td>
<td>14</td>
</tr>
<tr>
<td>RQUE-W</td>
<td>Workwall – Shell – Wood</td>
<td>16</td>
</tr>
<tr>
<td>RQUE-W</td>
<td>Workwall – Shell – Wood</td>
<td>16</td>
</tr>
<tr>
<td>RQVA-L</td>
<td>Workwall – Vertical Element – Laminate (For Use with Workwall Horizontal Element)</td>
<td>20</td>
</tr>
<tr>
<td>RQVA-L</td>
<td>Workwall – Vertical Element – Laminate (For use with Reference Top, Reference Return and Portal)</td>
<td>32</td>
</tr>
<tr>
<td>RQVA-W</td>
<td>Workwall – Vertical Element – Wood (For Use with Workwall Horizontal Element)</td>
<td>21</td>
</tr>
<tr>
<td>RQVA-W</td>
<td>Workwall – Vertical Element – Wood (For use with Reference Top, Reference Return and Portal)</td>
<td>33</td>
</tr>
<tr>
<td>SQBA</td>
<td>File Enclosure – Reference Top – Wood – Bench – Laminate</td>
<td>78</td>
</tr>
<tr>
<td>SQBC</td>
<td>File Enclosure – Reference Top – Wood – Bench – Cushion</td>
<td>80</td>
</tr>
<tr>
<td>TQEB-2930</td>
<td>Electrical Components – Studio Table – Base Feeds</td>
<td>55</td>
</tr>
<tr>
<td>TQEB-2963</td>
<td>Electrical Components – Studio Table – Base Feeds</td>
<td>55</td>
</tr>
<tr>
<td>TQET-2930</td>
<td>Electrical Components – Studio Table – Top Feeds</td>
<td>54</td>
</tr>
<tr>
<td>TQET-2963</td>
<td>Electrical Components – Studio Table – Top Feeds</td>
<td>54</td>
</tr>
<tr>
<td>TQUD-L</td>
<td>Studio Table – Studio Table – Laminate</td>
<td>50</td>
</tr>
<tr>
<td>TQUD-W</td>
<td>Studio Table – Studio Table – Wood</td>
<td>52</td>
</tr>
<tr>
<td>TQUG-L</td>
<td>Studio Table – Studio Table – Laminate</td>
<td>50</td>
</tr>
<tr>
<td>TQUG-W</td>
<td>Studio Table – Studio Table – Wood</td>
<td>52</td>
</tr>
<tr>
<td>VZAD-0000-R</td>
<td>Modular Receptacle — 15 Amp Duplex – Data Blank Cover</td>
<td>89</td>
</tr>
<tr>
<td>VZCQ-0000</td>
<td>Workwall Accessories – Tie Bracket Kit – Compose Glass Stack</td>
<td>47</td>
</tr>
<tr>
<td>VZCW-0000-P</td>
<td>Workwall Accessories – Wall Mount</td>
<td>48</td>
</tr>
<tr>
<td>VZCW-G</td>
<td>Workwall Accessories – Glass Mount</td>
<td>48</td>
</tr>
<tr>
<td>QAG</td>
<td>Accessories – Grommet – Workwall, Credenza, Studio Table &amp; Worksurface</td>
<td>101</td>
</tr>
<tr>
<td>WQAG</td>
<td>Accessories – Grommet – Workwall Suspended Shelf or Workwall Floor Supported Shelf</td>
<td>101</td>
</tr>
<tr>
<td>Product Code</td>
<td>Product Description</td>
<td>Page</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>WUAR</td>
<td>Worksurface Supports – Worksurface Reinforcement Channel</td>
<td>103</td>
</tr>
<tr>
<td>WUCC-0004</td>
<td>Worksurface Supports – Support Column</td>
<td>102</td>
</tr>
<tr>
<td>WURV-L</td>
<td>Adaptable Worksurface – Rectangular Convergent – Laminate</td>
<td>93</td>
</tr>
<tr>
<td>WURV-W</td>
<td>Adaptable Worksurface – Rectangular Convergent – Wood</td>
<td>94</td>
</tr>
<tr>
<td>WURY</td>
<td>Adaptable Worksurfaces – Key Conference End – Laminate</td>
<td>95</td>
</tr>
<tr>
<td>WURY</td>
<td>Adaptable Worksurfaces – Laminate – Rectangular Key – Laminate</td>
<td>95</td>
</tr>
<tr>
<td>WURY</td>
<td>Adaptable Worksurfaces – Key Conference End – Wood</td>
<td>96</td>
</tr>
<tr>
<td>WURY</td>
<td>Adaptable Worksurfaces – Rectangular Key – Wood</td>
<td>96</td>
</tr>
<tr>
<td>ZUBF</td>
<td>Worksurface Supports – Flush Mount Plate</td>
<td>102</td>
</tr>
<tr>
<td>ZUBG-PNA</td>
<td>Supports – Floating Brackets – Floor Supported Shelf</td>
<td>97</td>
</tr>
<tr>
<td>ZUBG-PNX</td>
<td>Supports – Floating Brackets – Worksurface</td>
<td>97</td>
</tr>
<tr>
<td>ZUBJ</td>
<td>Supports – Studio Table – Z-Bracket</td>
<td>98</td>
</tr>
<tr>
<td>ZUBL</td>
<td>Worksurface Supports – Key Conference End Bracket</td>
<td>103</td>
</tr>
<tr>
<td>ZUFS</td>
<td>Supports – Studio Table – Z-Bracket – Worksurface Support End – Laminate</td>
<td>99</td>
</tr>
<tr>
<td>ZUFS</td>
<td>Supports – Studio Table – Z-Bracket – Worksurface Support End – Wood</td>
<td>100</td>
</tr>
<tr>
<td>ZZFK</td>
<td>Worksurface Supports – Double Support Leg</td>
<td>102</td>
</tr>
</tbody>
</table>
You have them as a Haworth customer and so do we. And because we value our customers, we cover our products with the Haworth North America Product Compatibility and Limited Warranty Policy.

**Product Compatibility and Limited Warranty Policy**

**Our Commitment To Product Compatibility – Integrated Product Platforms**
As a market leader in the design and manufacture of workspaces that adapt to change, we strive to maintain product compatibility within our various generations of integrated product platforms. This benefits the customer who desires to update or modify their work environment. It also benefits the customer needing to replace a product due to damage or other reasons but which is no longer manufactured or is otherwise unavailable, such as a fabric or finish that is discontinued because of changing market preferences. In both circumstances, we often can provide products with comparable function and performance.

**Our Commitment To Product Quality – The Haworth North America Limited Warranty**
To ensure customer satisfaction and peace of mind, we stand behind our products with the Haworth North America Limited Warranty. To review the current version of the limited warranty including its terms and conditions, please go to: [www.haworth.com/resources/product-info/warranties](http://www.haworth.com/resources/product-info/warranties) or contact Haworth's First Call Center at 800.426.8562.

**Warranty Requests or Questions**
For questions or service requests pertaining to the Haworth Limited Warranty, please contact your Haworth dealer. If you are unsure who your dealer is, please call Haworth's First Call Center at 800.426.8562.

**Effective:** January 1, 2020