The Versa family from 3form is the perfect answer to movable and stationery partitions and room dividers, shelving, and hinged doors. This system is extremely versatile to meet nearly all installation requirements and aesthetic preferences, complementing the beautiful material from 3form. It is easily configured, easy to work with, and designed specifically to work with 3form materials.

*Using this Installation Manual* – because there are many components and possibilities with 3form Versa hardware, this manual is organized by individual component installation. Please see pages 29-33 for different installation components and applications, and follow the corresponding page # to find instructions for that particular element of the installation.

For more information, please visit 3-form.com or call 800.726.0126
Overview
Profiles

As the foundation of the Versa system, multiple profiles are available for both installation versatility and aesthetic preference. Uses of these profiles will be outlined later in this document.

**Blade**
- Available in max. 14'-0" length.
- Longer available by request.

**Beam**
- Available in max. 14'-0" length.
- Longer available by request.

**Square**
- Available in max. 10'-0" length.
- Longer available by request.

**Block**
- Available in max. 10'-0" length.
- Longer available by request.

**Oval**
- Available in max. 10'-0" length.
- Longer available by request.

**Bar**
- Available in max. 10'-0" length.
- Longer available by request.

**Slim One**
- Available in max. 10'-0" length.

**Slim Two**
- Available in max. 10'-0" length.

**Slim Four**
- Available in max. 10'-0" length.

Platforms
Material is supported in all Versa applications using either Spiders with through holes or Brackets with pressure-fit set screws or brackets with through holes.
Overview

Recommended Length Floor to Ceiling Condition

Concrete Floor

Use the following chart for deflection estimates and recommended maximum lengths by condition for floor to ceiling installations. This chart is based on L/240 deflection and forces being transferred on the Versa profile in its strong direction (the deepest dimension).

All calculations for this condition are based on the profile as show floor to ceiling anchored to concrete using the 2-Part Base Plate (3-15-6500-KC) and assumes the connection to the floor and ceiling is rigid. Other conditions such as the pressure fit assemble at the ceiling, rotating base at floor, or substandard substrate anchorate will create conditions where additional deflection can be anticipated.

<table>
<thead>
<tr>
<th>Recommended allowable length for this condition to minimize deflection</th>
<th>Deflection anticipated at center span assuming 5 PSF force over max length x 4' width s.f. transferred to this post</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4'-0&quot;</td>
</tr>
<tr>
<td>Slim One</td>
<td>4'-4&quot;</td>
</tr>
<tr>
<td>Slim Two</td>
<td>5'-4&quot;</td>
</tr>
<tr>
<td>Slim Four</td>
<td>5'-2&quot;</td>
</tr>
<tr>
<td>Bar</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td>Oval</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td>Block</td>
<td>10'-0&quot;</td>
</tr>
<tr>
<td>Square</td>
<td>10'-0&quot;</td>
</tr>
<tr>
<td>Beam</td>
<td>10'-5&quot;</td>
</tr>
<tr>
<td>Blade</td>
<td>10'-5&quot;</td>
</tr>
</tbody>
</table>

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**Overview**

**Recommended Length Cantilever Condition**

**Concrete Floor**

Use the following chart for deflection estimates and recommended maximum lengths by condition for floor to ceiling installations. This chart is based on L/180 deflection and forces being transferred on the Versa profile in its strong direction (the deepest dimension).

All calculations for this condition are based on the profile as shown anchored to concrete floor using the 2-Part Base Plate (3-15-6500-KC) and assumes the connection to the floor is rigid. Other conditions such as the pressure fit assemble at the ceiling, rotating base at floor, or substandard substrate anchorate will create conditions where additional deflection can be anticipated.

---

<table>
<thead>
<tr>
<th>Blade</th>
<th>8'-0&quot;</th>
<th>0&quot;</th>
<th>0&quot;</th>
<th>1/32&quot;</th>
<th>1/16&quot;</th>
<th>3/32&quot;</th>
<th>3/16&quot;</th>
<th>3/8&quot;</th>
<th>3/16&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slim One</td>
<td>2'-7&quot;</td>
<td>0&quot;</td>
<td></td>
<td></td>
<td>1/16&quot;</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Slim Two</td>
<td>3'-2&quot;</td>
<td>0&quot;</td>
<td></td>
<td></td>
<td>1/32&quot;</td>
<td>5/32&quot;</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Slim Four</td>
<td>3'-1&quot;</td>
<td>0&quot;</td>
<td></td>
<td></td>
<td>1/32&quot;</td>
<td>3/16&quot;</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Bar</td>
<td>4'-0&quot;</td>
<td>0&quot;</td>
<td></td>
<td></td>
<td>1/32&quot;</td>
<td>3/32&quot;</td>
<td>1/4&quot;</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Oval</td>
<td>4'-0&quot;</td>
<td>0&quot;</td>
<td></td>
<td></td>
<td>1/32&quot;</td>
<td>3/32&quot;</td>
<td>1/4&quot;</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Block</td>
<td>4'-9&quot;</td>
<td>0&quot;</td>
<td></td>
<td></td>
<td>1/16&quot;</td>
<td>5/32&quot;</td>
<td>5/16&quot;</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Square</td>
<td>4'-9&quot;</td>
<td>0&quot;</td>
<td></td>
<td></td>
<td>1/16&quot;</td>
<td>5/32&quot;</td>
<td>5/16&quot;</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Beam</td>
<td>8'-0&quot;</td>
<td>0&quot;</td>
<td></td>
<td></td>
<td>1/32&quot;</td>
<td>1/16&quot;</td>
<td>3/16&quot;</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

---

Deflection anticipated at center span assuming 5 PSF force over max length × 4' width s.f. transferred to this post.
Overview

Accessories

Many different options are available depending on the installation requirements and preferences. Example solutions on the following pages will highlight these various capabilities and recommended material types and gauges for each solution.

Applications

This system offers all the components you will need to create installations in the following categories.

- Partitions
- Dividers
- Doors
- Shelving
Overview
Pressure Fit Assembly

The top pressure fit assembly is an integral part of most Versa installations (fig.1). It is composed of an adjustable top plate, a threaded rod, and a barrel nut. Once the top and bottom plates are in place and secure, threading the barrel nut against the Versa Profile extends the top plate firmly against the ceiling. The top adjustable plate can be attached to the ceiling with screws or can simply be secured with pressure using the barrel nut (fig. 2 & 3). The maximum extension of the threaded rod should be 6", please account for this when determining the profile lengths.
**Overview**

**Panel Caps**

*Hardware shown in this document is for interior use only.*

**Material recommendations**

*Do not* use cyanoacrylate or solvent type thread locking materials with *Varia*.

3form materials must be separated from metal at all times, especially threads. 1" diameter caps ship bundled with press-fit washers which press into a ¾” diameter hole to stay in place during the installation process to protect the panel from any metal contact. ¾” diameter caps (3-15-0020-K) are meant only for *Varia* and cannot be used with other materials.

3form *Varia* and *Monolithic Glass* must be protected from metal at all times, refer to the next page for Instructions. See *Versa Glass Integrator Solution Document* for more information on glass.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Thread Size</th>
<th>Hole Size to Drill</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-15-0020-K</td>
<td>(3/4&quot;) 20mm × (3/4&quot;) 20mm M8 Thread</td>
<td>1/2&quot;</td>
<td>use press fit washers as described next page</td>
</tr>
<tr>
<td>3-15-0025-K</td>
<td>(1&quot;) 25mm × (3/4&quot;) 20mm M8 Thread</td>
<td>5/8&quot;</td>
<td>use press fit washers as described next page</td>
</tr>
<tr>
<td>3-15-0026-K</td>
<td>(1&quot;) 25mm × (1/16&quot;) 17mm M8 Thread</td>
<td>5/8&quot;</td>
<td>use press fit washers as described next page</td>
</tr>
<tr>
<td>3-15-0027-K</td>
<td>(1&quot;) 25mm × (3/8&quot;) 10mm M8 Thread</td>
<td>5/8&quot;</td>
<td>use press fit washers as described next page</td>
</tr>
<tr>
<td>3-15-0028-K</td>
<td>(1&quot;) 25mm × (1&quot;) 25mm M8 Thread</td>
<td>5/8&quot;</td>
<td>use press fit washers as described next page</td>
</tr>
<tr>
<td>3-15-0029-K</td>
<td>(1&quot;) 25mm × (1-1/4&quot;) 32mm M8 Thread</td>
<td>5/8&quot;</td>
<td>use press fit washers as described next page</td>
</tr>
<tr>
<td>3-15-1716-K</td>
<td>(1&quot;) 25mm 2-part cap for thinner material M8 Thread</td>
<td>5/8&quot;</td>
<td>use press fit washers as described next page</td>
</tr>
<tr>
<td>3-15-1717-K</td>
<td>(1&quot;) 25mm 2-part cap for thinner material M8 Thread</td>
<td>5/8&quot;</td>
<td>use press fit washers as described next page</td>
</tr>
<tr>
<td>3-15-1719-K</td>
<td>(1&quot;) 25mm 2-part cap for thinner material M8 Thread</td>
<td>5/8&quot;</td>
<td>use press fit washers as described next page</td>
</tr>
<tr>
<td>3-15-1720-K</td>
<td>(1&quot;) 25mm 2-part cap for thinner material M8 Thread</td>
<td>5/8&quot;</td>
<td>use press fit washers as described next page</td>
</tr>
</tbody>
</table>

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Installation

1 Piece Cap
For Thicker and Thinner Panels

1. Press fit washers into 5/8" diameter hole (if drilled properly the washers should snap into place in the panel hole) front and back of panel. (back side only for thinner panels).

2. Carefully place panel in position, verify washers remain in place. Install caps through washers and panel to back hardware. Hand tightening with a subsequent partial tool tightening is appropriate. Caps do not need to be overtightened.

2 Piece Cap
For Thicker and Thinner Panels

1. Install hardware at substrate and M8 Threaded rod into substrate hardware (barrel or other) so it is ready to receive cap and panel. For thinner panels place recessed white bushing onto threaded rod in preparation for panel installation.

2. Press fit washers into 5/8" diameter hole (if drilled properly the washers should snap into place in the panel hole) front and back of panel, (back side only for thinner gauge panels).

3. Carefully place panel in place, verify washers remain in place. Install caps through washers and panel to back hardware. Hand tightening with a subsequent tool partial tightening is appropriate. Caps do not need to be overtightened.
Summary

1 Piece Cap Chart

Another integral part of the Versa system regardless of application is the 1-piece threaded cap. The length of threading needs to be chosen based on the gauge of material. To select the best options for your installation, please follow the 2 steps outlined below. Your end result will be separate part numbers for each connection.

<table>
<thead>
<tr>
<th>Choose the design</th>
<th>Select the panel gauge</th>
<th>1&quot; Cap Threaded Rod</th>
<th>¼&quot; Cap Threaded Rod</th>
<th>1&quot; Countersunk</th>
<th>¼&quot; Countersunk</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/16&quot;</td>
<td>3/16&quot;</td>
<td>25mm(1&quot;) Cap w/ 10mm(3/8&quot;) threaded rod 3-15-0027</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1/8&quot;</td>
<td>3/16&quot;</td>
<td>25mm(1&quot;) Cap w/ 17mm threaded rod 3-15-0026</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3/16&quot;</td>
<td>3/16&quot;</td>
<td>25mm(1&quot;) Cap w/ 17mm threaded rod 3-15-0026</td>
<td>20mm(3/4&quot;) Cap w/ 20mm(3/4&quot;) threaded rod 3-15-0020</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>3/16&quot;</td>
<td>25mm(1&quot;) Cap w/ 20mm(3/4&quot;) threaded rod 3-15-0025</td>
<td>20mm(3/4&quot;) Cap w/ 20mm(3/4&quot;) threaded rod 3-15-0020</td>
<td>25mm(1&quot;) Countersunk Cap w/ 10mm(3/8&quot;) threaded rod 3-15-0738</td>
<td>-</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>25mm(1&quot;) Cap w/ 25mm(1&quot;) threaded rod 3-15-0028</td>
<td>-</td>
<td>25mm(1&quot;) Countersunk Cap w/ 20mm(3/4&quot;) threaded rod 3-15-0736</td>
<td>20mm Countersunk Cap w/ 20mm (3/4&quot;) threaded rod 3-15-0732</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>3/4&quot;</td>
<td>25mm(1&quot;) Cap w/ 25mm(1&quot;) threaded rod 3-15-0028</td>
<td>-</td>
<td>25mm(1&quot;) Countersunk Cap w/ 20mm(3/4&quot;) threaded rod 3-15-0736</td>
<td>20mm Countersunk Cap w/ 20mm (3/4&quot;) threaded rod 3-15-0732</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>1&quot;</td>
<td>25mm(1&quot;) Cap w/ 32mm(1-1/4&quot;) threaded rod 3-15-0029</td>
<td>-</td>
<td>25mm(1&quot;) Countersunk Cap w/ 25mm(1&quot;) threaded rod 3-15-0739</td>
<td>-</td>
</tr>
<tr>
<td>1&quot;</td>
<td>1&quot;</td>
<td>-</td>
<td>-</td>
<td>25mm(1&quot;) Countersunk Cap w/ 32mm(1-1/4&quot;) threaded rod 3-15-0740</td>
<td>-</td>
</tr>
</tbody>
</table>

Designed for:
Varia Chroma Struttura Stone Pressed Glass* 100%

Designed for:
Varia Struttura 100%

Designed for:
Varia 100%

Designed For:
Varia 100%
Summary
2 Pieces Cap Chart

Another integral part of the Versa system regardless of application is the 2-piece cap. The length of rod needs to be chosen based on the gauge of material. This threaded rod is then capped using your choice of standard, low profile, counter bore, or countersunk caps. To select the best options for your installation, please follow the 2 steps outlined below. Your end result will be separate part numbers for each connection.

<table>
<thead>
<tr>
<th>1&quot; Standard</th>
<th>1&quot; Low Profile</th>
<th>1&quot; Counterbore</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designed for: Varia</td>
<td>Designed for: Varia</td>
<td>Designed for: Varia</td>
</tr>
<tr>
<td>Chroma</td>
<td>Standard</td>
<td>Chroma</td>
</tr>
<tr>
<td>Struttura</td>
<td>low profile</td>
<td>Struttura</td>
</tr>
<tr>
<td>Stone</td>
<td>caps</td>
<td>Stone</td>
</tr>
<tr>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1/16&quot;</th>
<th>1/8&quot;</th>
<th>3/16&quot;</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
<th>3/4&quot;</th>
<th>1&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard thinner gauge kit</td>
<td>Low-profile thinner gauge kit</td>
<td>Countersunk assembly thicker gauge</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low Profile Cap Key</td>
<td>Low Profile Cap Key</td>
<td>Low Profile Cap Key</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allen Keys</td>
<td>Allen Keys</td>
<td>Allen Keys</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Pressed Glass in 5/16" and 3/4" gauges is compatible only when used with the Glass Adapter hardware, 3-15-0608-K or 3-15-0609-K
*See Versa Glass Integrator and Glass Adapter Solution Documents for more information

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Solution 1
Partitions


For more information, please visit 3-form.com or call 800.726.0126

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Solution 1
Partitions  Example 1
Pressure Fit Application With Side Bracket Attachments

The top mounted Pressure Fit Assembly securely mounts each profile in place, where panels can be mounted using side bracket attachments. This pressure fit system easily adapts to the environment, whether you fasten the top directly to the ceiling, or put the rod through a drop ceiling tile while fastening the top to the substrate above. This can then be covered with the ceiling canopy on a drop ceiling. Or, you can use an alternate option of a drop ceiling clip to attach the top of the profile. The floor plate can be exposed or covered using the Floor Plate Cover. For temporary installations this pressure fit system does not need to be bolted to the ceiling or floor, or for a more permanent and secure installation, the top and bottom plates may be bolted to the ceiling and floor.

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Solution 1

Partitions  Example 2
Pressure Fit Application With Spider Attachments

As in Example 1, the pressure fit system can be installed using different profiles. In this example, where the goal is to have panels placed above other panels, spiders are being used with 2-piece caps instead of side brackets. This allows you to conceal the profiles behind the material and have as many different types of panels as desired. 4-point, 2-point and 1-point spiders are available to add flexibility and ease of installation. The recommended height of the partitions is dependent on the Versa Profile used, refer to the chart on page 2 for more information.
Solution 1
Partitions  Example 3
Pressure Fit Pivoting Partitions

In this installation, the Oval or Bar Profile is being used with Spiders and the Pivot Base to create pivoting partitions that can divide or artistically complement a space. These partitions can turn to the closed position to create a separate part of a room, or can be opened for full use of the room. It is recommended that the maximum width of pivoting partitions is 38” each. For thicker gauges you will need more Spiders to support additional weight. The recommended height of the partitions is dependent on the Versa Profile used, refer to the chart on page 2 for more information.

See pages 6 to 9 for more information, please visit 3-form.com or call 800.726.0126

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Solution 2
Dividers

Example 1
Free Standing Divider With Flexible Varia Panels

With the optional *Free Standing Base*, the 3form *Versa Divider* solution can create completely free-standing applications, serving as a movable partition or divider. When used with flexible *Varia* panels (1/8" gauge), the weight of the base can be used to cold form the panel, creating undulation without heat forming. *Caps* cover the tops of the profiles and *Slot Covers* conceal the exposed slots to create a very clean look as the *Side Brackets* hold the material between the profiles. It is recommended that these free-standing partitions be no taller than 4'.

For more information, please visit 3-form.com or call 800.726.0126
Solution 2
Dividers  Example 2

Free Standing Divider With Rigid Varia Panel

As with Example 1, the 3form Versa Divider solution can create completely free-standing applications, serving as a movable partition or divider. Shown with clamping side brackets and 1/2" gauge Varia. Maximum 96" high side profiles. Maximum Chroma and Varia panel size is 48" wide × 93" high. Maximum glass size is 48" wide × 72" high.

See Versa Glass Integrator Solution Document for more information on glass.
### Versa Compatibility Chart for Free Standing Dividers

#### Versa Horizontal Profile - 50” Length

<table>
<thead>
<tr>
<th>Blade</th>
<th>Beam</th>
<th>Square</th>
<th>Block</th>
<th>Oval</th>
<th>Bar</th>
<th>Slim 1</th>
<th>Slim 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-60-0120</td>
<td>0-60-0127</td>
<td>0-60-0109</td>
<td>0-60-0131</td>
<td>0-60-0107</td>
<td>0-60-0135</td>
<td>0-60-0135</td>
<td>0-60-0103</td>
</tr>
</tbody>
</table>

#### Versa Vertical Profile - 96” Length

<table>
<thead>
<tr>
<th>Blade</th>
<th>Beam</th>
<th>Square</th>
<th>Block</th>
<th>Oval</th>
<th>Bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-60-0120</td>
<td>0-60-0127</td>
<td>0-60-0109</td>
<td>0-60-0131</td>
<td>0-60-0107</td>
<td>0-60-0135</td>
</tr>
</tbody>
</table>

- **X** indicates Compatibility
- **-** indicates Incompatibility
**Floor Bolted Free Standing Divider Application**

In this example, the bottom plate is bolted to the floor, which can be covered using the Bottom Plate Cover, and Slot Covers conceal any exposed slots in the profile. The material is then suspended using Spiders with thru holes to hide the hardware behind the materials. When this free standing divider is bolted to the floor, the height of the divider is dependent on the Versa Profile used, refer to the chart on page 3 for more information.
Solution 3

Doors  Example 1

Drop Ceiling Privacy Divider with Hinged Door

The Versa system is now more flexible than ever with the inclusion of hinged door hardware to create options for dressing room partitions and more. In this example, Versa Brackets are attached directly to the wall with profiles bolted to the floor using floor plates and attached to the structure above the drop ceiling using the Pressure Fit Assembly, which is then covered with the Base Plate Cover. These profiles are used to support the panels that are attached to the wall. A hinged door with a door latch is then used to close the door. Exposed slots in the profile are hidden using the Slot Cover and the Floor Plate Cover conceals the screws on the Floor Plate, creating a clean, simple partition system. It is recommended that doors be no more than 36" wide; otherwise the doors will be too flexible.

Note: Versa Hinge and Latch Panel must be used with 1/2" gauge Varia.
## Solution 3
### Wall Plate Adapter

Anchoring Matrix 1

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1x 3-15-0701 M5 Snaptoggle</td>
<td>1x 3-15-0701 M5 Snaptoggle</td>
<td>1x 3-15-0701 M5 Snaptoggle</td>
</tr>
<tr>
<td>+ 1x 3-15-0079 M5 CSK 50mm</td>
<td>+ 1x 3-15-0079 M5 CSK 50mm</td>
<td>+ 1x 3-15-0079 M5 CSK 50mm</td>
</tr>
</tbody>
</table>

**Drywall**

- 2x 3-15-0841 (with bracket holes drilled out to 1/4")

**Concrete**

- 1x 3-15-0701 M5 SNAPTOGGLE
- 1x 3-15-0079 M5 CSK 50MM

**Metal Stud**

- 2x 3-15-0841 (with bracket holes drilled out to 1/4")

**Wood**

- 2x 3-15-0841 (with bracket holes drilled out to 1/4")

**Notes:**

- M5 Snaptoggle for 3/8" drywall estimated to be half of 1/2" drywall value for 3/16" thread → 120 lbs for ultimate tensile and 125 lbs for ultimate shear.
- Safety factor of 4 suggested → 30 lbs tensile and 31 lbs for shear.

- M6 Snaptoggle for 3/8" drywall estimated to be half of 1/2" drywall value for 1/4" thread → 132 lbs for ultimate tensile and 120 lbs for ultimate shear.
- Safety factor of 4 suggested → 33 lbs tensile and 30 lbs for shear.

For more information, please visit 3-form.com or call 800.726.0126
### Solution 3
Wall Plate Adapter

#### Anchoring Matrix 2

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<tr>
<td><strong>Drywall</strong></td>
<td>1× 3-15-0701 M5 Snaptoggle + 1× 3-15-0079 M5 CSK 50mm</td>
<td>1× 3-15-0701 M5 Snaptoggle + 1× 3-15-0079 M5 CSK 50mm</td>
<td>1× 3-15-0700 M6 Snaptoggle + 1× 3-15-0703 M6 Standard Head Screw 50mm</td>
<td>1× 3-15-0700 M6 Snaptoggle + 1× 3-15-0702 M6 Button Head 50mmL</td>
</tr>
<tr>
<td><strong>Concrete</strong></td>
<td>2× 3-15-0841 (with bracket holes drilled out to 1/4”)</td>
<td>2× 3-15-0841 (with bracket holes drilled out to 1/4”)</td>
<td>2× 3-15-1607</td>
<td>1× 3-15-3010 Anchor + 1× M6 Button Head 12mmL (comes with 3-15-1752)</td>
</tr>
<tr>
<td><strong>Metal Stud</strong></td>
<td>1× 3-15-0701 M5 Snaptoggle + 1× 3-15-0079 M5 CSK 50mm</td>
<td>1× 3-15-0701 M5 Snaptoggle + 1× 3-15-0079 M5 CSK 50mm</td>
<td>1× 3-15-0700 M6 Snaptoggle + 1× 3-15-0703 M6 Standard Head Screw 50mm</td>
<td>1× 3-15-0700 M6 Snaptoggle + 1× 3-15-0702 M6 Button Head 50mmL</td>
</tr>
<tr>
<td><strong>Wood</strong></td>
<td>2× 3-15-0841 (with bracket holes drilled out to 1/4”)</td>
<td>2× 3-15-0841 (with bracket holes drilled out to 1/4”)</td>
<td>2× 3-15-1607</td>
<td>1× 3-15-0762 M6 Rampa Screw + 1× M6 Button Head 12mmL (comes with 3-15-1752)</td>
</tr>
</tbody>
</table>

**Notes:**
- M5 Snaptoggle for 3/8” drywall estimated to be half of 1/2” drywall value for 3/16” thread → 120 lbs for ultimate tensile and 125 lbs for ultimate shear. Safety factor of 4 suggested → 30 lbs tensile and 31 lbs for shear.
- M6 Snaptoggle for 3/8” drywall estimated to be half of 1/2” drywall value for 1/4” thread → 132 lbs for ultimate tensile and 120 lbs for ultimate shear. Safety factor of 4 suggested → 33 lbs tensile and 30 lbs for shear.

For more information, please visit 3-form.com or call 800.726.0126

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Solution 4
Pony Wall  Example 1
Partition - Recommendations

The Versa Slim system is designed specifically for wall header applications, with a 3" baseplate to fasten directly to the wall structure and add an elegant touch to any low wall or similar low application. Slim Profiles are ideally suited for low applications and the side brackets hold the Varia Panel without requiring hole fabrication.

For more information, please visit 3-form.com or call 800.726.0126

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Solution 5
Shelving  Example 1

Versa Shelving 1

1. Bottom Plate 3-15-1736-K

2. Square Base Plate 3-15-6582-K

3. 90° Corner Splice 3-15-6648

4. Slot Cover 3-15-1732

5. Standoff Cap See pages 6 to 9

6. 5" Two Part Bottom Plate for Concrete
   (Requires Cover Plate) 3-15-6580-KC

7. Square Base Plate 3-15-6582-K

8. Oval Plate Cover 3-15-1745-K


10. Oval 3-15-6798-K

11. Bar (4)


13. 2-leg 3D Spider 3-15-1735-K

14. Oval Plate Cover 3-15-1745-K

15. Bar Plate Cover 3-15-0138-K
Solution 5
Shelving  
Example 2

Versa Shelving 2

Low Profile Cap
See pages 6 to 9

Slim Post Mount
3-15-1731-K

Blade

Beam

5" Two Part Bottom Plate for Concrete
(Requires Cover Plate)
3-15-6580-KC

Bottom Plate
3-15-1736-K

Square Base Plate
3-15-6582-K

Pressure Fit Assembly
3-15-0804-K

Sleeve
3-15-1741

2 Piece Bracket
3-15-1752-K

MB T-Nut
3-15-6626

Clear Standoff for Spider Shelving
3-15-1727

2-leg 3D Spider
3-15-1735-K

Slot Cover
3-15-1732

Slim One

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Solution 5 Shelving

12" × 40"

2-leg 3D Spider 3-15-1735-K
Clear Standoff for Spider Shelving 3-15-1727
Cap or 2 Pieces Cap See pages 6 to 9

30" × 40"

2-leg 3D Spider 3-15-1735-K
Clear Standoff for Spider Shelving 3-15-1727
Cap or 2 Pieces Cap See pages 6 to 9

12" × 60"

2-leg 3D Spider 3-15-1735-K
Clear Standoff for Spider Shelving 3-15-1727
Cap or 2 Pieces Cap See pages 6 to 9

30" × 60"

2-leg 3D Spider 3-15-1735-K
Clear Standoff for Spider Shelving 3-15-1727
Cap or 2 Pieces Cap See pages 6 to 9

For more information, please visit 3-form.com or call 800.726.0126
Using This Installation Manual

Because there are many components and possibilities with 3form Versa hardware, this manual is organized by individual component installation. Please see pages 29 to 33 for different installation components and applications, and follow the corresponding page # to find instructions for that particular element of the installation.

Installation
Partition Floor to Ceiling
Installation
Partition Floor through Drop Ceiling, Hinged Door
Installation
Free Standing Partition

Page 38

Page 39

Page 40

Page 39

Page 40
Installation Manual

Installation

Shelving

Page 42

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Page 34
Page 35

For more information, please visit 3-form.com or call 800.726.0126

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Installation
Versa Post Options

Below are the different possibilities for installing the Versa Posts, which are the foundation for this easily-configured system. Follow the recommended page numbers below to find installation details for these scenarios.

- **Floor To Ceiling Bolted Post**: Page 34, Page 35
- **Floor To Ceiling Pressure Fit Post**: Page 34, Page 35
- **Floor To Wall Bolted Post**: Page 34, Page 35
- **Floor To Ceiling Pivot Post**: Page 34, Page 35
- **Free Standing Post**: Page 38

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If using the 2 Part Base Plate skip this page and refer to the next page, the 2 Part Base Plate is recommended for cantilever applications.

Installation

Base Plate with Cover

1. Attach bottom plate to the post using (4) #12 self-tapping screws (3-15-8869). These self-tapping screws require a #3 square drive bit for installation.

2. Mark holes on the floor and use appropriate screws and anchors for the floor substrate, which should be supplied by the installer. Attach bottom plate with attached post to the floor.

3. 

4. 

For more information, please visit 3-form.com or call 800.726.0126
Installation

2 Part Base Plate with Cover

If using the 2 Part Baseplate (3-15-6500-KC) for concrete substrate please follow these instructions. Use of the 2 Part Baseplate can ease installation of Versa Posts where a large quantity of posts are ordered as they allow multiple installers to work simultaneously. The 2 Part Baseplate is also recommended for cantilever applications as the anchor into the concrete is more robust than the single part baseplate.

1. Refer to the Hilti Anchor Instructions that ship on 3form Technical Specs and Downloads (also ships with hardware) for drilling and inserting Flush Anchors into concrete.

2. Fasten steel portion of two part baseplate to flush anchors using provided M8 Low Head Socket Cap Screws.

3. Install cover plate prior to attaching aluminum portion of 2 Part Baseplate to Versa Post using provided #12 self-tapping screws (3-15-0869). These self-tapping screws require a #3 square drive bit for installation.

3a. *For cantilever installations above 72" only. Once #12 self-tapping screws are in place, attach the SHCS Low Profile M12 × 30m (3-15-1938) into the center hole of the extrusion.

*For installations greater than 72", attach base plate to the end of the extrusion that has the tapped center hole.
Installation
2 Part Base Plate with Cover

4a  5" 2 Part Baseplate for concrete (3-15-6500-KC)
or
6" 2 Part Baseplate for concrete (3-15-1941-K)

Fasten post assembly to prior installed steel part base plate using provided M8 countersunk screws, drop cover over assembly.

4b  6" 2 Part Baseplate for wood (3-15-0713-KW)

Fasten post assembly to prior installed steel part base plate using provided M8 countersunk screws, drop cover over assembly.
Installation
Pressure Fit Ceiling Assembly

1. Mark and drill locations in the ceiling for the top anchors, and use appropriate screws and anchors for the substrate. In a temporary installation anchoring screws are not required, as the post can be held up by tightening the barrel nut against the post. If the installation will be more permanent, mark holes on the floor and ceiling first, ensuring the post is vertical, then drill and set anchors. Finally, put the post in place completely prior to screwing into the anchors. Also, loosely place the set screw in the barrel nut at this time.

2. Once the top plate is in place, tighten the barrel nut against the post and tighten the set screw in the barrel nut.

3. Measure the distance from the top of the post to the receiving nut portion of the Top Pressure Fit Plate. Then use an appropriate saw for cutting aluminum to cut the Pressure Fit Sleeve to this same length. Then, simply snap the 2 sides of the Pressure Fit Sleeve over the barrel nut and Top Pressure Fit Plate.

4. If the fit of the Pressure Fit Sleeve is too tight to snap together by hand you may need to mechanically snap it together. Wrap a pair of pliers or a clamp in towels so you do not scratch the sleeve and put equal pressure on each side of the sleeve to cause it to snap together. This part is designed to be intentionally tight, so if you are using a very short piece it may be too tight to fasten by hand.

Optional
Mark and drill locations in the ceiling for the top anchors, and use appropriate screws and anchors for the substrate. In a temporary installation anchoring screws are not required, as the post can be held up by tightening the barrel nut against the post. If the installation will be more permanent, mark holes on the floor and ceiling first, ensuring the post is vertical, then drill and set anchors. Finally, put the post in place completely prior to screwing into the anchors. Also, loosely place the set screw in the barrel nut at this time.
Installation
Profile End Cap

1
Attach the post cap to any exposed edge of the post by using provided #12 self-tapping screws (3-15-0869). These self-tapping screws require a #3 square drive bit for installation.
Installation
Free Standing Base

1

2

Use (4) provided #12 self-tapping screws (3-15-0869) to attach the post to the free standing base. These self-tapping screws require a #3 square drive bit for installation to the free standing base.

Free Standing Foot

1

2
Installation

Casters for Free Standing Foot

1

2

Versa Profile Perpendicular Attachment

1

2
Mark holes on the floor and use appropriate screws and anchors for the floor substrate, which should be supplied by the installer. Attach bottom plate with attached post to the floor. Screw the threaded rod into the base and insert the set screw so the threaded rod won’t turn. Then place the included washers over the threaded rod and place the hollow section of the post over the threaded rod. The post should turn and the threaded rod should not. This installation should be duplicated on the ceiling, using the same washers.
Installation

Mitered Corner Splice

1. Determine the appropriate height of the post. The higher side of the cut edge will be the height of the post. Use an appropriate miter saw to cut the post to a 45-degree angle.

2. A Corner Splice should be used on each side of the post. Tightly insert the Corner Splice into each side of the post, and set it in place using 4 set screws for each Corner Splice.

3. For more information, please visit 3-form.com or call 800.726.0126
Installation

Drop Ceiling Condition

1. Cut out a section of the ceiling tile appropriate for the size of the post you are using, but not to exceed 4” in diameter.

2. Run the post through the hole in the ceiling tile, attaching to the substrate above using the Pressure Fit Assembly (instructions on page 37).

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Installation

Versa Slot Cover

1

2

3
Installation

Side Brackets and T-Nuts

1. Slide the bracket into the desired location, then tighten down the screws into the T-Nuts.

2. Ensure that the bushings are in the appropriate order with the panel and use the countersunk screws to attach the back side of the bracket, through the panel, and into the front side of the bracket.

For more information, please visit 3-form.com or call 800.726.0126
Slide the T-Nut into the post slot. Then use the screw provided to go through the 3D Spider and into the T-Nuts. Thread the screws into the T-Nuts without completely tightening them. Slide the Spider into position, then tighten down the screw.

Decide which part of the 3D Spider you want to receive the threaded rod. Then, using all of the appropriate bushings that came with the 2-Piece Cap (see pages 9 and 47), attach the panel to the 3D Spider.
Installation

2 Piece Standoff

Depending on the gauge of material you are using there are different bushing configurations that come with the 2-Piece Caps. You can find specific detail on the parts to order in the Versa Solutions Document. Please also see page 9 for the attachment requirements for different sizes and gauges of panels. Please use all of the appropriate bushings and washers, and the appropriate number of attachment points for your installation. Follow the illustrations below for the appropriate order of bushings and washers.

For more information, please visit 3-form.com or call 800.726.0126
## Installation

### Panel Size and Gauge Attachment Chart

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<tr>
<th>4'×10'</th>
<th>4'×8'</th>
<th>2'×8'</th>
<th>4'×6'</th>
<th>3'×6'</th>
<th>4'×4'</th>
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For more information, please visit 3-form.com or call 800.726.0126

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Installation

Flat Spider

1

Slide the T-Nut into the post slot. Then use the screw provided to go through the Spider and into the T-Nut. Thread the screw into the T-Nut without completely tightening it. Slide the Spider into position, then tighten down the screw. Also, if you need to keep the Spider from turning in the post you can use the provided screw to put into the back of the Spider, which will go into the slot and keep the Spider from turning.

2a

Eliminate for 3/16" and thinner materials

2b

Eliminate for 3/16" and thinner materials

2c

Eliminate for 3/16" and thinner materials

2d

Eliminate for 3/16" and thinner materials

For more information, please visit 3-form.com or call 800.726.0126
Installation Components
Door Hinge must be used with 1/2” gauge Varia

1. Use the countersunk screws to attach the back side of the bracket through the panel and into the front side of the bracket. Repeat this step for all brackets in the hinged door.

2. Slide the entire door into position, then tighten down all screws.

For more information, please visit 3-form.com or call 800.726.0126
Slide the T-Nuts for all 4 attachment points into the post slot. Then use the countersunk screws provided to go through the Door Catch into the T-Nuts. Thread the screws into the T-Nuts without completely tightening them. Then line up the opening in the Door Catch with the Door Latch on the door and tighten the screws.
Installation Components
Door Latch must be used with ½” gauge Resinart

Determine on which side of the door you want the door to latch closed. The latch will ship with the close direction on the outside (so, if you were standing in a dressing room, you would push the door closed and latch it from that side, rather than pulling the door closed toward you).

If you desire the door to be pulled into the closed position from the latching side of the door, you will need to disassemble the lock and flip the innermost plastic block 180-degrees, as shown above, then reassemble the lock in this fashion. Assemble the lock onto the panel using the 2 countersunk screws provided.
Installation
Slim Profile Connection

1. You can attach the Slim Profile (or post) to other Versa Posts perpendicularly by using the Slim Profile Connector. Attach the Profile Connector to the profile with the flat side against the profile using the (2) provided #12 self-tapping screws (3-15-0869). These self-tapping screws require a #3 square drive bit for installation.

2. Attach the Profile Connector to the Versa Post by sliding the T-Nuts into the exposed slot and inserting the countersunk screws through the Profile Connector into the T-Nuts. Once the Slim Profile is in its desired location, tighten the screws.

For more information, please visit 3-form.com or call 800.726.0126
### Specifications

#### General specifications

<table>
<thead>
<tr>
<th>Material</th>
<th>Finish</th>
<th>Recommended Use</th>
<th>MSDS Information</th>
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<tbody>
<tr>
<td>6063 T6</td>
<td>Clear (Satin) Anodize Architectural Type II Class I Powdercoating Available</td>
<td>Interior Only</td>
<td>Recycled content min. 70% 56% Post Industrial 14% Post consumer</td>
</tr>
<tr>
<td>Die Cast Alloy Aluminum</td>
<td>Factory Powdercoating Available</td>
<td>Interior Only</td>
<td>Recycled content typically between 25% - 35% Post Industrial 5% Post Consumer</td>
</tr>
<tr>
<td>Aluminum Extrusions*</td>
<td>6061 T6 or 6063 T6</td>
<td>Interior Only</td>
<td>Recycled content typically between 25% - 35% Post Industrial 5% Post Consumer</td>
</tr>
<tr>
<td>Die Cast Aluminum</td>
<td>Satin Clear Anodize Powdercoating Available</td>
<td>Interior Only</td>
<td>NA</td>
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<tr>
<td>Milled Aluminum</td>
<td>Stainless Steel 303 or 304 Mill Finish Powdercoating Available</td>
<td>Interior Only</td>
<td>NA</td>
</tr>
<tr>
<td>Stamped Aluminum</td>
<td>Plain Finish</td>
<td>Interior Only</td>
<td>Recycled content typically approx. 60% 35% Post Industrial 25% Post Consumer</td>
</tr>
</tbody>
</table>

*Aluminum Extrusions are available in 96.5” lengths, see deflection chart on pages 2 and 3.

For more information, please visit 3-form.com or call 800.726.0126

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2010 Recycled Content Declaration

Hydro’s Extrusion Americas unit sources billet for its North American extrusion facilities from its own network of 3 cast-houses. These casthouses, in St. Augustine, FL, Monett, MO, and Phoenix, AZ utilize state-of-the-art proprietary Hydro technology to produce primary quality extrusion billet with high recycled content. All are ISO 9001 certified.

In 2009, these facilities consumed nearly 208 million pounds of recycled aluminum. Approximately 14% of the total represented post-consumer material, with the remainder post-industrial scrap from Hydro’s extrusion facilities, our customers, and other extruders.

In 2009, the scrap content of 6000 series alloy billet produced in the EA casthouses, and consumed in the EA extrusion facilities exceeded 70%, as it did in 2007 and 2008.