There is now an attractive and versatile alternative to old-fashioned pressed steel door frames. The Versatrac system accommodates itself to a wide range of job requirements for interior aluminum frames. You can specify a variety of opening sizes and types, and be assured of maintaining a uniform, clean appearance.

Only Versatrac systems offer a complete set of features that ease installation and create a sturdier frame. And our door frames use integral hinge and strike reinforcements, for maximum door hanging strength.

Over 20 years of service in thousands of installations nationwide have proven the reliability of aluminum frame systems. They are easy to install, can be delivered quickly, and are competitive in price. Versatrac design advantages include:

- The sharp, clean lines of extruded aluminum
- Quick installation
- Your choice of four standard finishes, plus custom finishes (at additional cost and lead time). All finishes are factory applied.
- Fully concealed fasteners
- Complete system to facilitate freedom of design
- 20-minute fire rating
- 90-minute fire rating
- UBC 7-2-97 positive pressure

Versatrac door frames feature an integral strike which eliminates a separate strike box that must be installed on site.

Versatrac door frames feature a stop which positively locks to the jamb. This feature ensures tight fit and maximum security.

Integral aluminum hinge reinforcements maximize door hanging strength on Versatrac frames.
Specification Information

Fabrication
Unless otherwise specified, all door frames will be fabricated as follows:
Frames up to 108” in height are prepared for three or four 4 1/2” standard weight hinges and one 4 7/8” ASA strike.
Frames over 108” will receive preparation for four 4 1/2” hinges. (Note: Jambs are shipped an extra 2” in length to accommodate job conditions, unless exact length is ordered.)
All glazing and trim extrusions are to be cut and fabricated in the field to accommodate actual job size requirements.

Ordering Information
When ordering, specify:
1. Type of frame
2. Size of finished opening
3. Series number (300 for 3 3/4” wall, 400 for 4 7/8” wall)
4. Finish
5. Swing
6. Metal stud size with 5/8” gypsum board each side
7. Stud segments or full length backer studs (segments used with unfinished wall board; full length studs used with finished wall board)

Positive Pressure UBC 7-2-97
Versatrim 300 and 400 series aluminum door frames have been tested to positive pressure requirements of UBC Standard 7-2-97 up to a maximum size of 6’0” x 9’0”. Intumescent strips and vinyl bulb sound seals required.

Finishes
Standard finishes are Satin Metallic Bronze, Satin Black, and White acrylic enamel and 204-R1 Natural Clear Anodized. Special finishes, either anodized or painted, are subject to special quote.

Special Sizes and Finishes
Frames above 9’ 10 1/2” in height and those requiring non-standard finish are subject to special quote. Preparation for deadbolts or electronic locks is also subject to special quote.

20 Minute Fire Rating
Versatrac 300 and 400 series aluminum door frames will have 20-minute rating capabilities - up to a maximum of 6’0” x 9’0”. Attached sidelights up to 2’0” x 9’0” may also carry a 20 minute fire rating.

90-Minute Fire Rating
Versatrac Adjustable aluminum door frames may be rated for 90 minutes up to a maximum size of 6’0” x 9’0” and wall sizes up to 7 1/4”.

Specification Information
Versatrac standard strike prep 4 7/8” ASA.
Others available on request.

**Strike**
38” from bottom of frame to centerline of strike

Versatrac standard hinge prep for standard weight 4 1/2” hinge.

**Hinges**
5” from rabbet line to top of first hinge. 10” from bottom of frame to bottom of last hinge, others spaced equally between top and bottom hinge.

**Specifications**

**Materials:**
Extruded aluminum alloy 6063-T5, minimum thickness 0.062” attached hardware reinforcements minimum thickness 0.125”

**Finishes:**
Thermosetting acrylic polymer enamel, electrostatically applied

**Note**
1. Material for glazing components are furnished in stock lengths for field fabrication. Header members over 9’2” and glazing sill over 10’7” must be spliced.
2. Hinge holes will be punched and threaded.
3. Strike holes will be punched and not threaded.

**Key**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCH</td>
<td>Ceiling height - designation for top track frames or where jamb butts under side header member at sidelight jambs</td>
</tr>
<tr>
<td>RAF</td>
<td>Freestanding - not attached to top track or where drywall is above frame</td>
</tr>
<tr>
<td>RAF1</td>
<td>Freestanding header</td>
</tr>
<tr>
<td>RAF2</td>
<td>Freestanding hinge jamb</td>
</tr>
<tr>
<td>RAF3</td>
<td>Freestanding strike jamb</td>
</tr>
<tr>
<td>RCH2</td>
<td>Ceiling height hinge jamb</td>
</tr>
<tr>
<td>RCH3</td>
<td>Ceiling height strike jamb</td>
</tr>
<tr>
<td>RCH4</td>
<td>Ceiling height snap-in header</td>
</tr>
<tr>
<td>LT</td>
<td>Sidelite</td>
</tr>
<tr>
<td>2LT</td>
<td>Sidelite both sides of frame</td>
</tr>
<tr>
<td>1/2LT</td>
<td>Half sidelite, drywall below</td>
</tr>
</tbody>
</table>

**STD** Standard backer stud for 5/8” gypsum board

**QUICK MOUNT** Attached segmented backer studs

**BASIC** Shell of frame only/ designation used when full length backer studs are supplied separately for use with factory finished gypsum board, or when frame is backed with wood studs by others

**EXACT LENGTH** Jambs cut to nominal door height

**EXTRA LENGTH** Jambs supplied 2” over size.
Furnished standard for floor to ceiling frames to accommodate floor variations

**THROAT** Wall thickness
Partition Header Types

300 Series (3 3/4" wall)
303R

400 Series (4 7/8" wall)
403R

Note: Ceiling grid and fasteners by others

Optional Partition Header Types

Reveal Header
310/410

Ceiling Moulding
333

Reveal Moulding
310A
R-System Conventional, Freestanding Aluminum Door Frame

Diagram of Conventional Frame

Quick-mount door frame (shown) features installed, segmented backer studs with integral hardware reinforcements for use with unfinished wall panels.

Basic type door frame is shipped with separate full length backer studs for use with prefinished wall panels.

Cross Sections

RAF-1 Header

RAF-2 Hinge Jamb

RAF-3 Strike Jamb

mohair sound seal (vinyl optional)

Snap-on stops
Conventional, Freestanding Aluminum Door Frame with Sidelites

300 Series (for 3 3/4" walls) shown. 400 Series (for 4 7/8" walls) also available.

Lineals are specified by series number and part number. For example, a 300 Series glazing mullion would be part 306R.
RCH and RAF jambs differ in end punching. RCH jambs are crossed by header member, and are used in top track frames, and conventional frames as sidelights. RAF jambs are notched to extend past header member to close off end. Used for conventional frames. Lineals furnished in stock lengths for field cutting.
Top Track
Aluminum Door Frame

Diagram of Conventional Frame

Cross Sections

303R/403R Top Track
RCH-4 Snap-in Header

RCH-2 Hinge Jamb

RCH-3 Strike Jamb

Quick-mount door frame (shown) features installed, segmented backer studs with integral hardware reinforcements for use with unfinished wall panels.

Basic type door frame is shipped with separate full length backer studs for use with prefinished wall panels.

Mohair sound seal (vinyl optional)

Snap-on stops

Rev. 06/12
Top Track Aluminum Door Frame with Sidelites

300 Series (for 3 3/4" walls) shown. 400 Series (for 4 7/8" walls) also available. Lineals are specified by series number and part number. For example, a 300 Series glazing mullion would be part 306R.
Versatrim Aluminum Door Frame

Diagram of Conventional Frame

Cross Sections

VT-1 Header with 1" trim

VT-2 Hinge Jamb with 1-1/2" trim

VT-3 Strike Jamb with 2" trim

Versatrim Side Snap Frame Features

Ease of installation over finished or unfinished gypsum board walls.

Flush mounted side snap covers and square headers.

Mohair sound seal (vinyl optional)

Snap-on stops

S100 1" trim shipped standard. S150 1-1/2" trim, S200 2" trim, and custom trims available at an additional cost. Some notching of trims may be required.

Extended lip strike plates and minimum of 4 1/2" x 4 1/2" hinges required for 1 1/2" and 2" trims.
Bifold, Bypass Pocket Door Units

Product Description

Versatrac folding and sliding door rollers allow the door to be easily removed by opening a latch on the roller attachment. The doors can be just as easily rehung. Rollers are permanently lubricated for years of trouble-free service.

The frame units can be used for installations up to nine feet in height and eight feet in width. Ceiling height units are furnished with a roller track that snaps into the top track. Conventional units are furnished to resemble a conventional frame.

The roller bearing trolleys accommodate solid core doors up to 9'0" in height and 1 3/4" thick. Hollow core doors can be specified for lower opening effort.

Hanger tracks and jambs are furnished at standard lengths for field sizing. Standard length for jambs is 9’2”; for hanger tracks, 8’0”.

Installation

Versatrac bifold, bypass and pocket door frames and hardware are carefully wrapped and packed for shipping. Units are individually cartoned and labeled for easy identification and installation.

For full installation instructions, refer to the section in the back of this guide.

Materials and Finishes

Satin Metallic Bronze, Satin Black, White, and Natural Clear Anodized finishes are available. Custom colors and anodic finishes are also available at additional cost. All painted finishes are a thermosetting polyester acrylic, which provides a hard surface that is highly resistant to scratching.

All frame components are extruded from aluminum alloy 6063-T5, with a minimum thickness of 0.062".
Bifold Door Units

Versatrac bifold aluminum frame units offer the same attractive appearance as other Versatrac components. Bifold units are available in series 300 (for 3 3/4” walls) and series 400 (for 4 7/8” walls). Typical applications use 313R or 413R Casing Jambs.

Cross Sections

Cross Section of 300 Series

Cross Section of 400 Series
Bypass Door Units

Versatrac bypass aluminum frame units provide the same attractive appearance as other Versatrac components. Bypass units are available in series 300 (for 3 3/4” walls) and series 400 (for 4 7/8” walls). Typical applications use 313R or 413R Casing Jambs. Roller bearing trolleys and the heavy duty track are concealed.

Cross Sections

Cross Section of 300 Series Header

Cross Section of 400 Series Header
Pocket Door Units

Versatrac pocket door and biparting door units offer the same attractive appearance as other Versatrac components. Typical installation can be top track (using previously installed 403R Top Track). These units are available in 400 series (for 4 7/8" walls) only.

Cross Sections

Cross Section of Conventional and Typical Top Track Installation
Cross Sections

Walls showing Versatrac applications

300 “R” Series
- for 3 3/4” Walls

For full information on Versatrac components, see Extrusions and Accessories tab.
R-System 300 Series Cross Sections

1. hinge jamb
2. strike jamb
3. transom jamb
4. transom strike jamb
5. sash jamb with steel stile
6. sash jamb with steel stile
7. hinge jamb
8. strike jamb
9. gasketing
10. gasketing
11. gasketing
12. gasketing
13. gasketing
14. gasketing
15. regaing heater
16. door heater with borrowed transom bar
17. partition casing
18. header at to track base opening
19. toe trim at wall
20. toe trim at wall
21. outside corner
22. outside corner
23. transom hinge jamb
24. transom hinge jamb
6. on entonational hea - er case - e with sie - ite
2. o - b e hinge jamb

Steel Stud (by others)
RCH-2
302R
311R

Steel Stud (by others)
RCH-4
307R
311R

Steel Stud (by others)
RCH-4A
W-4
302R
302R

Steel Stud (by others)
RCH-2
302R
302R

Steel Stud (by others)
RCH-2
302R
302R

2. on entonional hea - er case - e with sie - ite
2. on entonional hea - er case - e with sie - ite
2. on entonional hea - er case - e with sie - ite
2. on entonional hea - er case - e with sie - ite
2. on entonional hea - er case - e with sie - ite
2. on entonional hea - er case - e with sie - ite
Cross Sections

Walls showing Versatrac applications

400 “R” Series
- for 4 7/8” Walls

For full information on Versatrac components, see Extrusions and Accessories tab.
**R-System 400 Series Cross Section**

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>hinge jamb</td>
<td><img src="image1.png" alt="Diagram 1" /></td>
</tr>
<tr>
<td>2</td>
<td>strike jamb</td>
<td><img src="image2.png" alt="Diagram 2" /></td>
</tr>
<tr>
<td>3</td>
<td>conventional header</td>
<td><img src="image3.png" alt="Diagram 3" /></td>
</tr>
<tr>
<td>4</td>
<td>strike jamb with sidelite</td>
<td><img src="image4.png" alt="Diagram 4" /></td>
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<tr>
<td>5</td>
<td>sidelite w/steel stud</td>
<td><img src="image5.png" alt="Diagram 5" /></td>
</tr>
<tr>
<td>6</td>
<td>conventional header</td>
<td><img src="image6.png" alt="Diagram 6" /></td>
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<tr>
<td>7</td>
<td>conventional glazing header</td>
<td><img src="image7.png" alt="Diagram 7" /></td>
</tr>
<tr>
<td>8</td>
<td>glazing jamb</td>
<td><img src="image8.png" alt="Diagram 8" /></td>
</tr>
<tr>
<td>9</td>
<td>glazing sill at floor</td>
<td><img src="image9.png" alt="Diagram 9" /></td>
</tr>
<tr>
<td>10</td>
<td>glazing mullion</td>
<td><img src="image10.png" alt="Diagram 10" /></td>
</tr>
<tr>
<td>11</td>
<td>glazing H-mullion</td>
<td><img src="image11.png" alt="Diagram 11" /></td>
</tr>
<tr>
<td>12</td>
<td>glazing mullion w/snap</td>
<td><img src="image12.png" alt="Diagram 12" /></td>
</tr>
<tr>
<td>13</td>
<td>reveal door header</td>
<td><img src="image13.png" alt="Diagram 13" /></td>
</tr>
<tr>
<td>14</td>
<td>glazing top track</td>
<td><img src="image14.png" alt="Diagram 14" /></td>
</tr>
<tr>
<td>15</td>
<td>reveal glazing header</td>
<td><img src="image15.png" alt="Diagram 15" /></td>
</tr>
<tr>
<td>16</td>
<td>door header with borrowed lite (transom bar)</td>
<td><img src="image16.png" alt="Diagram 16" /></td>
</tr>
<tr>
<td>17</td>
<td>partition casing</td>
<td><img src="image17.png" alt="Diagram 17" /></td>
</tr>
<tr>
<td>18</td>
<td>header at top track/cased opening</td>
<td><img src="image18.png" alt="Diagram 18" /></td>
</tr>
<tr>
<td>19</td>
<td>top track/drywall header</td>
<td><img src="image19.png" alt="Diagram 19" /></td>
</tr>
<tr>
<td>20</td>
<td>top track door header</td>
<td><img src="image20.png" alt="Diagram 20" /></td>
</tr>
<tr>
<td>21</td>
<td>glazing sill at drywall</td>
<td><img src="image21.png" alt="Diagram 21" /></td>
</tr>
<tr>
<td>22</td>
<td>transom hinge jamb</td>
<td><img src="image22.png" alt="Diagram 22" /></td>
</tr>
<tr>
<td>23</td>
<td>transom strike jamb</td>
<td><img src="image23.png" alt="Diagram 23" /></td>
</tr>
<tr>
<td>24</td>
<td>conventional header at cased opening</td>
<td><img src="image24.png" alt="Diagram 24" /></td>
</tr>
</tbody>
</table>
1. hinge jamb
2. strike jamb
3. conventional header
4. strike jamb with sidelite
5. sidelite hinge jamb
6. conventional header (as used with sidelite)
7. conventional glazing header
8. glazing jamb
9. glazing sill at floor
10. glazing mullion
11. glazing H-mullion
12. glazing mullion w/snap
13. reveal door header
14. glazing top track
15. reveal glazing header
16. door header with borrowed lite (transom bar)
17. partition casing
18. header at top track/cased opening
19. top track/drywall header
20. top track door header
21. lazing sill at drywall
22. transom hinge jamb
23. transom strike jamb
24. conventional header at cased opening
25. double hinge jamb
26. hinge jamb against wall
27. glazing base at floor
28. Steel Stud (by others)
29. Concrete Stud (by others)
Versatrim Cross Sections - S100 1” Trim

Walls showing Versatrim applications

300 Series
- for 3 3/4” Walls

400 Series
- for 4 7/8” Walls

For full information on Versatrim components, see Extrusions and Accessories tab.
Versatrim Cross Sections - S100 1” Trim

1. hinge jamb
2. strike jamb
3. conventional header
4. strike jamb w/sidelite
5. hinge jamb w/sidelite
6. conventional header
7. glazing header
8. glazing jamb
9. glazing sill at floor
10. glazing mullion
11. horizontal glazing mullion
12. door header w/borrowed light (transom bar)
13. partition casing
14. glazing sill at dr. wall
15. glazing sill at floor
Versatrim Cross Sections - S150 1½” Trim

Walls showing Versatrim applications

300 Series
- for 3 3/4” Walls

400 Series
- for 4 7/8” Walls

For full information on Versatrim components, see Extrusions and Accessories tab.
Versatrim Cross Sections - S150 1½” Trim

1. hinge jamb
2. strike jamb
3. conventional header
4. strike jamb w/sidelite
5. hinge jamb w/sidelite
6. conventional header (as used w/sidelite)
7. glazing header
8. glazing jamb
9. glazing sill at floor
10. glazing mullion
11. horizontal glazing mullion
12. door header w/borrowed light (transom bar)
13. partition casing
14. glazing sill at dr. wall
15. 4□ glazing sill at floor

Extended lip strike plates and minimum of
Versatrim Cross Sections - S200 2” Trim

300 Series
- for 3 3/4” Walls

400 Series
- for 4 7/8” Walls

For full information on Versatrim components, see Extrusions and Accessories tab.
<p>| | | | | |</p>
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>1. hinge jamb</td>
<td>2. strike jamb</td>
<td>3. conventional header</td>
<td>4. strike jamb w/sidelite</td>
<td></td>
</tr>
<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>
<td><img src="image4.png" alt="Diagram" /></td>
<td></td>
</tr>
<tr>
<td>5. hinge jamb w/sidelite</td>
<td>6. conventional header (as used w/sidelite)</td>
<td>7. glazing header</td>
<td>8. glazing jamb</td>
<td></td>
</tr>
<tr>
<td><img src="image5.png" alt="Diagram" /></td>
<td><img src="image6.png" alt="Diagram" /></td>
<td><img src="image7.png" alt="Diagram" /></td>
<td><img src="image8.png" alt="Diagram" /></td>
<td></td>
</tr>
<tr>
<td>9. glazing sill at floor</td>
<td>10. glazing mullion</td>
<td>11. horizontal glazing mullion</td>
<td>12. door header w/borrowed light (transom bar)</td>
<td></td>
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<tr>
<td><img src="image9.png" alt="Diagram" /></td>
<td><img src="image10.png" alt="Diagram" /></td>
<td><img src="image11.png" alt="Diagram" /></td>
<td><img src="image12.png" alt="Diagram" /></td>
<td></td>
</tr>
<tr>
<td>13. partition casing</td>
<td>14. glazing sill at dr. wall</td>
<td>15. 4&quot; glazing sill at floor</td>
<td></td>
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<tr>
<td><img src="image13.png" alt="Diagram" /></td>
<td><img src="image14.png" alt="Diagram" /></td>
<td><img src="image15.png" alt="Diagram" /></td>
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</tr>
</tbody>
</table>

Extended lip strike plates and minimum of 4" x 4" hinges required for 1" and 2" trims.

VT-1 VT-2 VT-3 S200 302
Glazing Extrusions

For full information on glazing extrusions, see Extrusions and Accessories tab.
Glazing Extrusions Cross Sections

1. three-way intersection

2. 135° intersection

3. three-way intersection with hinge jamb

4. four-way intersection with strike jamb
5. 90° intersection

6. four way intersection

7. 90° intersection w/ hinge jamb

8. 90° corner intersecting wall
Versatrac R-System
Stock Extrusions, Clips and Accessories

Extrusions are available in 300 series (for 3 3/4" walls) and 400 series (for 4 7/8" walls). Standard finishes are Satin Metallic Bronze, Satin Black, Satin White Baked Enamel, and Clear Anodized. Bronze and Black Anodized finishes are available on special order.

[Standard face is 1 1/2" wide with 9/32" return.]

**Standard partition track** used in place of conventional ceiling drywall channel provides a rigid wall mounting member and decorative ceiling trim. For top track frames, borrowed lites and sidelites; acts as header for door frame and glazing extrusions. Functions as top cap for partial height wall partition. Has alignment pin channel.

- **Part number:** 303R/403R
- **Standard length:** 10'7"
- **Box quantity:** 303R-(8) 403R-(6)

**Reveal float top track** replaces conventional drywall runner and metal “L” to create an accurate 3/4" reveal. Furnished in standard black painted finish.

- **Part number:** 310/410
- **Standard length:** 12'1"
- **Box quantity:** 310-(18) 410-(16)

**Flat top float track** takes the place of the conventional ceiling runner and metal trim “L” to give an excellent wall/ceiling alignment. Can be used with Versatrac standard head frames. Furnished in mill finish.

- **Part number:** 303F/403F
- **Standard length:** 12'1"
- **Box quantity:** 18
Stock Extrusions, Clips and Accessories

**Partition casing** is used for cased openings and double acting frames. Can be incorporated as header for sliding glass units. Serves as a vertical end cap for wall ending at columns or window mullions. Can be used as top cap for partial height walls in lieu of top track. Has alignment pin channel.

- **Part number:** 313R/413R
- **Standard lengths:** 9'2"/18'4"
- **Box quantity:** 313R-(8); 413R-(6)

**Flat snap** acts as closure plate for top track and partition casing. Functions as snap-on header for cased opening.

- **Part number:** 312R/412R
- **Standard lengths:** 9'2"
- **Box quantity:** 312R-(28); 412R-(32)

**Snap-on door frame header** functions where frame is used with sidelites and top track installations.

- **Part number:** 305R/405R
- **Standard lengths:** 9'2"
- **Box quantity:** 12

**Conventional door frame header** for regular or ceiling height door frames. Can be fabricated to specified width and furnished with jamb attachment clips. Can be used with float type track No. 310, No. 410, No. 303F, and No. 403F.

- **Part number:** RAF-1
- **Standard lengths:** Fabricated to length as required
- **Box quantity:** 12
Stock Extrusions, Clips and Accessories

**Hinge and strike jambs** for use with top track or sidelite frames as well as conventional frames. Can be fabricated to length and handed as specified. Standard hardware preparation can be made for three 4 1/2" standard weight butt hinges and 4 7/8" or 2 3/4" strike. See Framing Systems section for complete details.

**Part number:** RAF-2/RCH-2 (Hinge)
RAF-3/RCH-3 (Strike)

**Standard lengths:** Jambs over 8'0" supplied with 2" extra length unless specified otherwise.

**Door stop snap** shown in combination with door frame header and hinge/strike jamb. Includes black mohair sound seal.

**Part number:** 302R/402R

**Standard lengths:** 9'2"

**Snap-on frame jamb** for use with corner mullions to hang door at glass intersection, and with standard jamb for hanging two doors on one jamb member. Can also be used with glazing base to form transom bar.

**Part number:** RCH-4A

**Standard length:** 9'2"

**Glazing member** fits jambs, all mullions and top tracks. For 1/4" or 3/8" glass.

**Part number:** 307R/407R

**Standard lengths:** 9'2" / 12'0"

**Box quantity:** 307R-(16); 407R-(14)
Stock Extrusions, Clips and Accessories

**Glazing mullion/jamb** acts as mullion for glass, or as jamb where glass and drywall meet. For 1/4" or 3/8" glass.
- **Part number:** 306R/406R
- **Standard lengths:** 9’2” / 12’0”
- **Box quantity:** 306R-(8); 406R-(6)

**Glazing H mullion** fits No. RCH-4A, RCH-4, and No. 307R/407R snap-on sections; has rib guide for installation of drywall stud. Can be used as a mullion, separating glass units where glass and drywall meet. Can also be used for partition that ends at a round column, or as a special application header.
- **Part number:** 311R/411R
- **Standard lengths:** 9’2” / 12’0”
- **Box quantity:** 311R-(7); 411R-(5)

**Glazing base and glazing snap** fit snap-on sections. Designed as sill for sidelites and borrowed lites. Can be used as header for partial height solid partitions which have glass to ceiling. For 1/4" or 3/8" glass.
- **Part number:** 308R/309R/309RL  
  408R/409R/409RL
- **Standard lengths:** 10’7”
- **Box quantity:** 308R/309R/309RL-(8)  
  408R/409R/409RL-(6)

**Horizontal glazing mullion** is a combination of glazing member and glazing snap used as a horizontal mullion for 1/4" or 3/8" glass.
- **Part number:** 308M/309R/309RL  
  408M/409R/409RL
- **Standard lengths:** 10’7”
- **Box quantity:** 308R/309R/309RL-(8)  
  408R/409R/409RL-(6)
Stock Extrusions, Clips and Accessories

Corner glazing mullion for glass partitions at corner and intersections. Two mullions can be used with various closure plates and wedges to form 90°, 120° and 135° corners. Three mullions with plate form a glass wall intersection. Four mullions form a four-way intersection. Corner mullion will accept snap-in door jamb No. RCH-4A.

Part number: 325R/425R
Standard length: 9'2"
Box quantity: 325R-(8); 425R-(6)

Corner mullion closure plate for use with two No. 325R or No. 425R corner mullions to form a 90° corner in a glass partition.

Part number: 326R/426R
Standard length: 9'2"

Angle Closure Plate for use with three corner mullions to form 3-way intersection in partition

Part number: 327R/427R
Standard length: 9'2"

Ceiling moulding matches appearance of top track with same return. Snaps on with wall clip No. 332. Furnished with eight 2 1/2" clips for each twelve foot length.

Part number: 333 and 332 clips
Standard length: 12'0"
Box Quantity: 42
Stock Extrusions, Clips and Accessories

**Outside corners:** No. 337R 1-1/2" corner with 9/32" return to match top track trim, applied with 332 receiver.
- **Part number:** 337R
- **Standard length:** 9'0"
- **Box Quantity:** 337-(18)

**Outside corner vinyl** No. 336VO, 1 1/2" x 1 1/2", can also function as top trim; applied with adhesive, and furnished in bronze or black.
- **Part number:** 336VO and 336VI
- **Standard length:** 10'0"
- **Box Quantity:** 75

**Ceiling trim** 1 1/2" matches Versatrac components. Applied with adhesive, and furnished in bronze or black.
- **Part number:** 336V
- **Standard length:** 10'0"
- **Box quantity:** 75

Also available in 50' rolls.

**Reveal Moulding** 310A 3/4" reveal moulding—caps 5/8" gypsum board to simulate 3/4" reveal header track—1/8" nib locates ceiling angle above 3/4" recessed reveal; finished in satin black; 12'0" length.
Stock Extrusions, Clips and Accessories

**Bifold door track** gives finished appearance when used with 300 or 400 series track. See Bifold, Bypass, Pocket tab for complete details.
- **Part number:** 350R/450R
- **Standard lengths:** 8'11"

**Aluminum stud 304/404**, for 5/8" drywall is furnished in mill finish for attachment directly to drywall or other panels. Groove in back accepts header clip K-10 for jamb attachment to sidelite header. For simplicity and ease of installation, strike and hinge studs are the same extrusion shape.
- **Part number:** 304/404

**Aluminum sidelite strike jamb stud** has short legs to accommodate glass sidelites. Furnished full length and attached to frame; in mill finish.
- **Part number:** 322/422
- **Standard lengths:** 8'11"
- **Box quantity:** 322-(24); 422-(18)

**Steel stud** used for frame reinforcement at hinge jamb/ sidelite. Furnished in 16 gage galvanized, with attached angle clips for installation. Must be drilled and tapped for hinge screws in the field.
- **Part number:** STL-3R (for 300 series)
  STL-4R (for 400 series)
- **Standard lengths:** 8'11"
Stock Extrusions, Clips and Accessories

**Bypass door track** has fascia to hide hangers and opening between track and hangers. Two units fit into 300 series top track. May be used with 400 series extrusions with addition of wood filler block. Will accommodate ceiling height door. See Bifold, Bypass, Pocket tab for complete details.

- **Part number:** 455
- **Standard lengths:** 8’2”

**Pocket door jamb** mounts opposite the door pocket; with recess for complete closure and finished appearance. See Bifold, Bypass, Pocket tab for complete details.

- **Part number:** 453
- **Standard lengths:** 9’2”

**Pocket door split trim** covers both sides of door pocket opening. See Bifold, Bypass, Pocket tab for complete details.

- **Part number:** 454
- **Standard lengths:** 9’2”

**Sliding door floor track** is made from bronze colored vinyl. If continued across door opening, attach directly to floor and butt carpet up against sides. See Bifold, Bypass, Pocket tab for complete details.

- **Part number:** 464
- **Standard lengths:** 8’2”
Stock Extrusions, Clips and Accessories

Versatrim Jamb Material used for header as well as for hinge and strike jambs.

**Part number:**
- VT-1 Header
- VT-2 Hinge Jamb
- VT-3 Strike Jamb

**Standard lengths:** Fabricated to job requirements. Jambs over 8'0" supplied with 2" extra length unless specified otherwise.

Versatrim Glazing Snap-in fits jambs and Mullions.

**Part number:** 377/477
**Standard length:** 9'2"

Versatrim Shallow Glazing Snap-in available for 1 1/2" trim.

**Part number:** 377S/477S
**Standard length:** 9'2"

Versatrim Glazing Mullion jamb acts as a mullion or header for glass, or as a jamb where glass and drywall meet.

**Part number:** 376S/476S
**Standard length:** 9'2"

Versatrim Glazing Mullion is used for cased openings and double acting frames. Serves as a vertical end cap for wall ending at columns or window mullions.

**Part number:** 373/473
**Standard length:** 9'2"

Versatrim Glazing Snap-in fits jambs and Mullions.

**Part number:** 377/477
**Standard length:** 9'2"

Versatrim Shallow Glazing Snap-in available for 1 1/2" trim.

**Part number:** 377S/477S
**Standard length:** 9'2"
Stock Extrusions, Clips and Accessories

**Versatrim Glazing Base** and glazing snap. Designed as sill for sidelites and borrowed lites.
- **Part number:** 378/379/379 or 478/479/479
- **Standard lengths:** 10'7"

**Versatrim Narrow Glazing Base** is used in conjunction with glazing mullion to form horizontal mullion or used with Versatrim header to form transom bar.
- **Part number:** 378 1/379/379 or 478 1/479/479
- **Standard lengths:** 10'7"

**Versatrim 1" Snap On Trim**
- **Part number:** S100
- **Standard lengths:** 10'7"

**Versatrim 1 1/2" Snap On Trim**
- **Part number:** S150
- **Standard lengths:** 10'7"
Stock Extrusions, Clips and Accessories

**Versatrim 2" Snap On Trim**
- **Part number:** S200
- **Standard lengths:** 10'7"

**Plywood shim, 5/8" thick.**
- **Part number:** W-5
- **Standard lengths:** 9'0"

**Mohair sound seal** installed on frame stop, furnished in standard black. Other colors may be available upon request.
- **Part number:** A-1 Black / A-2 Grey

**Inside corners:** No. 336R 1" corner with 9/32" return to match top track trim with 380 receiver.
- **Part number:** 336R
- **Standard length:** 9'0"
- **Box quantity:** 18
Stock Extrusions, Clips and Accessories

**Glazing vinyl** used on one side of 1/4" glass only.
**Part number:** V-2 Bronze  V-4 Gray  
V-3 Black  V-5 White  
**Standard lengths:** 400 ft. rolls

**Glazing vinyl** used whenever 3/8" glass is used.
**Part number:** V-2A Bronze  V-4A Gray  
V-3A Black  V-5A White  
**Standard lengths:** 400 ft. rolls

**Versatrim Glazing** vinyl for use with 1/4" glass. Installed opposite the V-6P glazing vinyl.
**Part number:** V-6P Bronze  V-6P Gray  
V-6P Black  V-6P White  
**Standard lengths:** 750 ft. rolls

**Versatrim Glazing** vinyl for use with 1/4" glass.  
Note: V-6S vinyl must be inserted into aluminum prior to installation.
**Part number:** V-6S Bronze  V-6S Gray  
V-6S Black  V-6S White  
**Standard lengths:** 750 ft. rolls
Stock Extrusions, Clips and Accessories

**Cased opening clip** attached directly to vertical steel stud. Drywall allows positive snap-on mounting of cased opening 313R or 413R at wall ends without use of adhesive or exposed screws.

*Part number:* K-20R/K-40R

**Straight alignment plate** fits inside top track 303R or 403R to ensure perfect alignment at all butt joints.

*Part number:* K-5R

**Corner alignment plate** mounts in back to ensure top track alignment at 90° corner

*Part number:* K-6

**Glazing clip** used for connecting vertical and horizontal glazing mullions when using 303R or 403R top track as header.

*Part number:* K-2
Stock Extrusions, Clips and Accessories

**Angle clip** used to connect hinge jamb to header at sidelite.
**Part number:** K-10

**Header angle clip** mounted on conventional header for attaching to frame jambs.
**Part number:** K-9

**Mini glazing clip** used for attaching base and horizontal mullions at vertical members. Can also be used instead of K-2 clip.
**Part number:** K-56 B

**Stirrup anchor sill clip** used for sidelite jamb to floor connection. Also for intermediate mullion to floor connection.
**Part number:** K-16S R
Stock Extrusions, Clips and Accessories

Stirrup anchor head clip used for sidelite jamb to header connection. Used for header connection where glazing terminates at end cap.

**Part number:** K-16H R

Alignment pin fits top track, H-mullion, cased opening and some trim sections.

**Part number:** RP-1

Corner clip aligns miter corner connections of adjustable aluminum door frame headers and jambs. Aligns corners of Versatrim sidelites and borrowed lites.

**Part number:** K-14

Versatrim floor clip can be used for sidelite jamb to floor connection.

**Part number:** K-16V
Stock Extrusions, Clips and Accessories

**Versatrim Glazing Clip** is used for connecting vertical and horizontal glazing mullion.
- **Part number:** K-1

**Clip** straddles glass offset of 307R/407R; resists force exerted by glazier during installation of glazing vinyl.
- **Part number:** K-35

**Aluminum framing screw** 16 x 5/8" phillips pan head TEK screw.
- **Part number:** T-10

**Spray paint** to match standard colors.
- **Part number:** SP-4 Dark Bronze
- **Part number:** SP-5 Black
- **Part number:** SP-7 White

**PAINT PENS ALSO AVAILABLE IN BRONZE AND BLACK**
Adjustable Aluminum Door Frames

By specifying Versatrac adjustable aluminum door frames, you accommodate nonstandard wall thickness and match the appearance of other Versatrac components. *The frames are available for wall thicknesses from 3 5/8” to 7 1/4”.

The frame includes integral aluminum reinforcements to provide additional structural support for the installation of hinges and strike plates.

For strength, good looks and versatility, specify Versatrac adjustable aluminum door frames.

Adjustable glazing components are not available.
Adjustable Aluminum Door Frames
Adjustable Aluminum Door Frames

90-Minute Label—Fits Walls 3 5/8” to 7 1/4”
Maximum Door Opening Size 6’0” x 9’0”

By specifying Versatrac adjustable aluminum door frames, you accommodate nonstandard wall thickness and match the appearance of other Versatrac components.

The frame includes integral aluminum reinforcements to provide additional structural support for the installation of hinges and strike plates.

For strength, good looks and versatility, specify Versatrac adjustable aluminum door frames.

Adjustable glazing components are not available.

Test No. WHI-495-1390
Adjustable Aluminum Door Frames

90-Minute Label with Steel Channels

Wall Size 3 5/8” to 7 1/4”

Maximum Door Opening Size
6’0” x 9’0”

ADJ-2B 90-Minute Adjustable Hinge Jamb
(Head and Strike Jamb Similar)
Aluminum Pass Windows

When you specify our pass thru windows, you get components that match Versatrac door, wall, and sidelite frames in appearance and finish.

These pass thru windows are designed to withstand years of heavy use and still deliver smooth operation. They feature tough acrylic or anodized finishes, and all popular sizes are available.

All components including track and hangers are packed together and labeled for easy identification.

Installation is made easy as casing can be glued to jambs, head, and sill with a good panel adhesive eliminating the need for exposed screws.
Versatrac™ Conventional Freestanding Quick-Mount Frame

Installation Instructions

Rough Opening
Rough opening should be 1 1/2" wider than finished opening width (Figure 1). Drywall studs should be set back 2 1/4" each side to accommodate frame’s backer stud. Rough opening height should equal finished opening height plus 3/4" (Figure 2).

Typical 3'0" x 9'0":
Net door width = 2'11 3/4"
Finished Opening:
width = 3'0"
Rough Opening:
width = 3'1-1/2"

Parts List
1. RAF-1 Frame Header with attached clips
2. RAF-2 Hinge Jamb with attached segmented backer studs
3. RAF-3 Strike Jamb with attached segmented backer studs
4. T-10 Self-tapping TEK screws
5. Snap-on Door Stops
6. K-8 Strike Clip
7. T-26 Screws for Strike Clip

Figure 1
Cross section of strike with hinge jamb

Figure 2
Jambs and Header
Versatrac™ Conventional Freestanding Quick-Mount Frame

Installation Instructions

Follow these steps in order:

**Step 1:**
For frames with jambs furnished extra length, cut off bottom to desired length.

**Step 2:**
Position header and jambs in rough opening with header angle clip behind jambs (Figures 3 and 4)

**Step 3:**
Plumb jambs and anchor by screwing through drywall into backer stud with drywall screws (Figures 3 and 4)

**Step 4:**
Secure header to jambs by screwing through snap feature of jamb into header clip with T-10 TEK screws. (Figure 4)

**Step 5:**
Snap door stops on over TEK screws.

**Step 6:**
Notch drywall at strike cutout for installation of strike clip when strike plate is installed.
Versatrac™ Conventional Freestanding Frame with Full Backer Stud

Installation Instructions

Rough Opening
Rough opening should be 1 1/2" wider than finished opening width (Figure 1). Drywall studs should be set back 2 1/4" each side to accommodate frame’s backer stud. Rough opening height should equal finished opening height plus 3/4" (Figure 2).

Typical 3’0" x 9’0”:
Net door width = 2’11 3/4”
Finished Opening:
width = 3’0”
Rough Opening:
width = 3’1-1/2”

Parts List
1. RAF-1 Frame Header with attached clips
2. RAF-2 Hinge Jamb
3. RAF-3 Strike Jamb
4. Full length backer studs
5. 18 T-10 Self-tapping TEK screws
6. 2 Snap-on Door Stops
7. 1 K-8 Strike Clip
8. 2 T-26 Screws for Strike Clip

Figure 1
Cross section of strike with hinge jamb

Figure 2
Jambs and Header
Versatrac™ Conventional Freestanding Frame with Full Backer Stud

Installation Instructions

Follow these steps in order:

Step 1:
Cut full backer stud to 2" less than finished opening height. (Figure 3)

Step 2:
Mark centerline of strike cutout on strike backer stud. Make cutout to accommodate latch by cutting above and below line to breakout groove and breaking out piece. (Figure 4)

Step 3:
Insert backer studs into wall, plumb, and anchor by screwing through drywall into backer stud with drywall screw at 12" o.c. (Figures 3 and 4) Be sure the frame will cover screws when installed. Dimension between backer studs should be 1/4" larger than finished opening width. (Figure 5)
Step 4:
For jambs furnished extra length, cut to desired length.

Step 5:
Position header and jambs in rough opening with header clips behind jambs. Anchor jambs to backer studs with T-10 TEK screws.

Step 6:
Secure jamb to header clip by screwing through snap feature of jamb into header clip with T-10 TEK screw. (Figure 6)

Step 7:
Snap door stops on over TEK screws.

Step 8:
Notch drywall at strike cutout for installation of strike clip when strike plate is installed.
Versatrac™ Top Track
Quick-Mount Frame

Installation Instructions

Rough Opening
Rough opening should be 1 1/2" wider than finished opening width (Figure 1). Drywall studs should be set back 2 1/4" each side to accommodate frame’s backer stud. Height of opening is determined by ceiling height. (Figure 2)

Typical 3’0" x 9’0":
Net door width  =  2’11 3/4"
Finished Opening:  
width =  3’0"
Rough Opening:  
width =  3’1-1/2"

Parts List
1  RCH-4 Snap-in Header
1  RCH-2 Hinge Jamb with attached segmented backer studs
1  RCH-3 Strike Jamb with attached segmented backer studs
2  K-10 Clips
6  T-10 Self-tapping TEK screws
2  Snap-on Door Stops
1  K-8 Strike Clip
2  T-26 Screws for Strike Clips
Versatrac™ Top Track
Quick-Mount Frame

Installation Instructions

Follow these steps in order:

Step 1:
Cut extra length jambs to extend from underside of top track to floor. (Figure 3)

Step 2:
Insert K-10 Clip into slot in backer stud with horizontal leg pointing toward door opening. (Figure 4)

Step 3:
Position jamb in rough opening. Slide K-10 Clip up against inside of top track and screw through snap feature of frame into clip with T-10 TEK screw. (Figure 5)

Step 4:
Snap-in RCH-4 Header. (Figure 5)

Step 5:
Plumb jambs and anchor by screwing through drywall into backer studs with drywall screws.

Step 6:
Anchor K-10 Clip to top track with T-10 TEk screw from topside. (Figure 5)

Step 7:
Snap door stops on over TEK screws.

Step 8:
Notch drywall at strike cutout for installation of strike clip when strike plate is installed.
Versatrac™ Top Track Frame with Full Backer Stud

Installation Instructions

Rough Opening

Rough opening should be 1 1/2" wider than finished opening width (Figure 1). Drywall studs should be set back 2 1/4" each side to accommodate frame’s backer stud. Height of opening is determined by ceiling height. (Figure 2)

Typical 3'0" x 9'0":
Net door width = 2'11 3/4"
Finished Opening: width = 3'0"
Rough Opening: width = 3'1-1/2"

Parts List

1 RCH-4 Snap-in Header
1 RCH-2 Hinge Jamb
1 RCH-3 Strike Jamb
2 Full length backer studs
2 K-10 Clips
20 T-10 TEK screws
2 Snap-on Door Stops
1 K-8 Strike Clip
2 T-26 Screws for Strike Clips

Figure 1
Cross section of strike with hinge jamb

Figure 2
Jambs and Header
Versatrac™ Top Track Frame with Full Backer Stud

Installation Instructions

Follow these steps in order:

Step 1:
Cut full backer stud to extend 1/2" beyond top of jamb. (Figure 3)

Step 2:
Mark centerline of strike cutout on strike backer stud. Make cutout to accommodate latch by cutting above and below line to breakout groove and breaking out piece. (Figure 4)

Step 3:
Insert backer studs into wall, plumb, and anchor by screwing through drywall into backer stud with drywall screw at 12" o.c. (Figures 3 and 5) Be sure the frame will cover screws when installed. Dimension between backer studs should be 1/4" larger than finished opening width. (Figure 5)
Step 4:
Insert K-10 Clip into slot in backer stud with horizontal leg toward opening (Figure 6). Slide clip up against inside of top track and screw through clip into top track from underside with T-10 TEK screws (Figure 7).

Step 5:
Snap in RCH-4 Header (Figure 7).

Step 6:
Cut extra length jambs at bottom to extend from underside of top track to floor.

Step 7:
Attach jambs to backer studs using T-10 TEK screws through snap feature of jambs (Figure 7).

Step 8:
Snap door stops on over TEK screws.

Step 9:
Notch drywall at strike cutout for installation of strike clip when strike plate is installed.
Versatrim
Side-Snap Frame

Installation Instructions

Rough Opening
The rough opening width is equal to the nominal door width plus 1 1/2" (Figure 1). The rough opening height is equal to the nominal door plus 3/4" (Figure 2).

Parts List
1 VT-1 Conventional Header with snap-on door stop and side snaps
1 VT-2 Conventional Hinge Jamb
1 VT-3 Conventional Strike Jamb
2 Snap-on Door Stops
4 Side Snaps
2 T-10 Self-tapping TEK screws
4 K-14 Corner Clips (optional for use at frame corners)
1 K-8 Strike Clip
2 T-26 Screws for Strike Clips

Figure 1
Cross section of strike and hinge jambs

Figure 2
Jambs and Header
Versatrim Side-Snap Frame

Installation Instructions

Follow these steps in order:

Step 1:
The drywall studs should be reversed as detailed in Figure 4.

Step 2:
Rough opening size, door width plus 1 1/4" to 1 1/2", door height plus 5/8" to 3/4".

Step 3:
Fit header into place.

Step 4:
For jambs furnished extra length, measure distance from header to the floor and cut the bottom of jamb to fit.

Step 5:
Insert jamb tabs into header slots and push jamb into place. Figure 2.

Step 6:
Plumb hinge jamb and attach to wall using 1 1/4" drywall screws spaced 12" (minimum) apart. Be sure jamb is not twisted in wall when fastening.

Step 7:
Pull header down snug to hinge jamb. Square and attach to drywall.

Step 8:
Set strike jambs to appropriate door opening width and attach to wall. (Same as Step 6)

Step 9:
Trim should be installed after doors are hung and final jamb adjustments are made. Align jamb trims with top of header trim and snap from top to bottom. Figure 3.
Versatrac™ Cased Opening

Installation Instructions

Option A

Parts List
1 311R/411R H-Mull
1 312R/412R Flat Snap
2 313R/413R Partition Casing

Follow these steps in order:
Rough opening should be 3/4" higher and 1/8" wider than finished opening. Drywall studs at sheetrock edge. Omit cased opening clips.

Attach 313R/413R to drywall studs vertically with drywall adhesive per Det. A. Cut 311R/411R to opening width; attach to drywall stud at head. Cut 312R/412R to opening width and snap into 311R/411R.

Option B

Parts List
2 313R/413R Partition Casing
1 311R/411R H-Mull
1 312R/412R Flat Snap
3 Drywall studs (by others)
6 K-20R/K-40R Cased opening Clips

Follow these steps in order:
Rough opening should be 3/4" higher and 1/2" wider than finished opening. Omit drywall studs at perimeter of opening.

Attach K-20R/K-40R cased opening clips to drywall stud at top, bottom and middle. Insert stud into wall, plumb and secure by running drywall screws through drywall into stud.

Repeat first step at opposite jamb. Cut 311R/411R to opening width; attach to drywall stud. Cut 312R/412R to opening width and snap into 311R/411R.
Versatrac™ Adjustable

Installation Instructions

Rough Opening
Drywall rough opening width equals the nominal door width plus 1 3/4" (Figure 1).

The drywall rough opening height equals the nominal door height plus 7/8" (Figure 2).

The drywall studs should be set back 2" at the verticals and at the head of the rough opening to accommodate the wood buck/drywall stud assembly.

Parts List
20 TEK screws for securing frame to wood buck/drywall stud
1 ADJ-1 Frame Header
1 ADJ-2 Hinge Jamb
1 ADJ-3 Strike Jamb, or ADJ-2 for double units. Each part consists of 2 pieces, a stop angle and an opposite adjustor angle.
3 Snap-on Door Stops
4 K-14 Corner Clips
1 5/8" x wall thickness x header length wood bucks
2 5/8" x wall thickness x jamb length wood bucks
1 K-8 Strike Clip
2 T-26 Screws for Strike Clips
Versatrac™ Adjustable

Installation Instructions

Rough Opening Preparation

Step 1:
Mark the centerline of the strike cutout on the wood buck that is to be used for the strike side of the frame. Notch the wood buck to accommodate the latch and strike clip.

Center each wood buck on a loose drywall stud the same length and attach by running No. 10 x 5/8" TEK screws through the back of the drywall stud into the wood buck.

Insert wood buck/drywall stud assembly for jambs into rough opening. The dimension between the wood bucks should be equal to the nominal door width plus 1/2". The wood buck/drywall stud assembly should be plumb and centered in the rough opening. Then secure by running drywall screws through the drywall into the drywall stud at 12" on center (Figure 2).

Insert wood buck/drywall stud assembly for header into rough opening, follow the procedure described above, except the dimension to the wood buck should be equal to the nominal door height plus 1/4" (Figure 2). The header should be square with the jambs.
Follow these steps in order:

Step 1:
For extra length jambs, cut off bottom to desired length.

Step 2:
Match the jamb and header portions of the stop angle on the side of the opening according to the desired swing of the door. Connect together with K-14 clips (Figure 3).

Step 3:
Repeat for adjustor angle portion of same on opposite side of wall.

Step 4:
Lift adjustor angle side of frame into rough opening, and then stop angle side. Push each side tight against the wall and run a No. 10 x 1 1/4” TEK screw through snap features of frame into the wood buck at 12” on center maximum.

Step 5:
Snap on door stops.

Step 6:
Hang door.

Note:
A furniture clamp can be helpful to hold two parts of the jamb together while fastening to wall. Care should be taken not to tighten too much, which would cause the face of the jamb to cup. Follow this procedure for both jambs and header. (Figure 4)
**Versatrac™ Bypass Door Units, Conventional and Top Track, 300 and 400 Series**

**Installation Instructions**

![Diagram of Versatrac™ Bypass Door Units]

**Rough Opening**

**Option 1** (using K-20R/k-40R clips)
Rough opening width should equal nominal door size plus 3/8". Rough opening height for conventional units should equal door height plus 1 1/2". Height of top track units is determined by ceiling height.

Drywall studs at rough opening should be left out, so that cased opening clips may be used in conjunction with drywall studs for anchoring jambs.

**Option 2** (no jamb clips)
Rough opening width should equal nominal door size plus 1/8". Rough opening height for conventional units should equal door height plus 1 1/2". Height of top track units is determined by ceiling height.

Drywall studs should be flush with edge of drywall an jambs should be glued to drywall studs.

**Parts List**
1. 313R/413R Partition Casing used as a frame header, 9’2”
2. 313R/413R Partition Casing for jambs, 9’2”
3. 455 Bypass Door Track, 8’2”
4. K-20R/K-40R Cased Opening Clips
5. T-10 TEK screws
6. 1 1/4” x No. 10 Phillips head tapping screws
7. Hardware - Rollers, hangers, stops, guide and wrench; carpet riser optional

Note: Undercut doors 3/8” at header and standard clearance at floor.

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![Figure 1](image-url)
Versatrac™ Bypass Door Units, Conventional and Top Track, 300 and 400 Series

Installation Instructions

Follow these steps in order:

Step 1:
Cut 313R/413R partition casing (for jambs) to opening height plus 1 1/2" for conventional units. For top track units, cut part to extend from top track to floor, allowing for notch to extend into top track. (Figure 2)

Step 2:
Option 1 (using K-20R/K-40R clips)
Attach K-20R/K-40R cased opening clips to top and bottom of loose drywall stud and slide 313R/314R partition casing down over the clips. Push jamb assembly into rough opening, plumb and secure by running drywall screws through drywall into drywall stud.
Option 2 (no jamb clips)
Attach 313R/413R to drywall studs with construction adhesive.

Step 3:
Cut 313R/413R partition casing (used as frame header) to extend between jambs for conventional units. For top track units, allow header to extend past jambs for splicing into top track. (Figure 2)

Step 4:
Cut both pieces of 455 bypass door track to opening width. Insert rollers, alternating single and double roller sides. For three and four door units, insert 1155 stop. (Fig. 3)

Step 5:
Set track into header with fascia on outside of opening. Secure the track by running tapping screws through header and track into drywall header. (Figure 2)

Step 6:
Mount hangers on doors, allowing

Step 7:
Mount bumpers. Adjust stops for three and four door units. (Fig. 3)

Step 8:
Install bottom guides, (Figure 5)
Versatrac™ Bifold Door Units, Conventional and Top Track, 300 and 400 Series

Installation Instructions

Rough Opening
Option 1 (using K-20R/k-40R clips)
Rough opening width should equal nominal door size plus 3/8". Rough opening height for conventional units should equal door height plus 1 1/2". Height of top track units is determined by ceiling height.

Drywall studs at rough opening should be left out, so that cased opening clips may be used in conjunction with drywall studs for anchoring jambs.

Option 2 (no jamb clips)
Rough opening width should equal nominal door size plus 1/8". Rough opening height for conventional units should equal door height plus 1 1/2". Height of top track units is determined by ceiling height.

Drywall studs should be flush with edge of drywall an jambs should be glued to drywall studs.

Parts List
1 303R/403R Partition Casing
2 313R/413R Partition Casing for jambs
1 350R/450R Roller Track
6 K-20R/K-40R Cased Opening Clips
16 T-10 TEK screws
1 Hardware - Rollers, hangers, stops, hinges, bumpers, screws; one each right hand pivot set and one each left hand pivot set for four-leaf units, or one pivot set for two-leaf units (specify hand)

Figure 1
Exploded drawing of bypass door unit

Notch end for top track units
K-20R/K-40R Clip
Loose Drywall Stud (By others)
303R/403R Top Track (used as frame header)
350R/450R Roller Track
313R/413R Partition Casing
K-20R/K-40R Clip

Note: Undercut doors 3/8" at header and standard clearance at floor.
**Versatrac™ Bifold Door Units, Conventional and Top Track, 300 and 400 Series**

**Installation Instructions**

**Rough Opening Preparation**

**Step 1:**
Cut 313R/413R partition casing (for jambs) to opening height plus 1 1/2" for conventional units. For top track units, cut part to extend from top track to floor, allowing for notch to extend into top track. (Figure 2)

**Step 2:**
*Option 1 (using K-20R/K-40R clips)*
Attach K-20R/K-40R cased opening clips to top and bottom of loose drywall stud and slide 313R/314R partition casing down over the clips. Push jamb assembly into rough opening, plumb and secure by running drywall screws through drywall into stud.

*Option 2 (no jamb clips)*
Attach 313R/413R to drywall studs with construction adhesive.

**Step 3:**
Cut 303R/403R top track (frame header) to extend jamb to jamb. For top track units, omit this step. (Figure 2)

**Step 4:**
*Installation of Track*

**300 Series:** Cut 350R Roller Track to same dimension as frame header. Insert rollers, next bumpers, and then top pivots into track. (Figure 3) Snap into frame header and secure to drywall header by running wood screws through track and frame header into stud.

**400 Series:** Cut 450R Roller Track to same dimension as frame header. Insert rollers, next bumpers, and then top pivots into track. (Figure 3) Place track into frame header and secure to drywall header by running wood screws through track and frame header into stud.

**Step 5:**
Position top pivot where pivot pin is located 2 1/4" from jamb and tighten down. (Figure 3) Position floor pivot plate against jamb, line up with top pivot and secure. (Figure 6)
Step 6:
Mount bottom pivot on bottom of door 1" from edge of door to edge of plate; or 2" from edge of door to pivot pin. Mount hangers on top of door to center of hanger. (Figure 4)

Step 7:
Mount hinges 7" from top and 11" from bottom of doors, with middle hinge centered in between. The hinge half with pin should always be on the side of door furthest from the jamb, with the pin pointed up. Hinges should always be on the inside when two doors are joined together. If more than two doors are joined together (such as in six-leaf applications), hinges must be mounted alternating inside and outside to achieve a consistent, symmetrical appearance. (Figure 5)

Step 8:
Set bottom pivot on door into socket of floor pivot plate, and slide top pivot pin into hanger slot and lock into place. (Figure 6)

Step 9:
Hang rest of doors one after the other by matching top leaf of hinge to hinge post of bottom leaf of hinge on preceding door. Clip hangers onto roller pins for respective doors and lock into place. (Figure 5)

Step 10:
Adjust bumper stop rollers at required distance from jambs and tighten down.
Versatrac™ Pocket Door Units, Conventional and Top Track

Installation Instructions

**Rough Opening**

**Single Unit** - Dimension between drywall studs should equal twice rough opening width plus 2 3/4" (Figure 1).

- Rough opening width equals door width less 1 1/4". Drywall at jamb opposite pocket should extend 9/16" beyond drywall stud. Drywall at pocket should be installed after door unit.

- Rough opening height should equal nominal door height plus 1 1/2". Height of top track unit is determined by ceiling height.

**Parts List**

1. 403R Top Track used as frame header, 4'-0". Not furnished for top track units.
2. 450R Roller Track, 8'2".
3. 453 Pocket Door Jamb, 9'2", notch to extend into top track units.
4. 454 Split Pocket Jambs, 9'2". Notch to extend into top track for top track units.
5. Pocket Studs, 9'4"
6. Floor Clips
7. Floor track
8. Plywood buck

Hardware Set - includes rollers, hangers, guides, bumpers and wrench

Optional Hardware - flush cup pulls, edge pulls

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Figure 1
Overview of pocket unit assembly
Follow these steps in order:

**Step 1:**
Cut 453 Pocket Jamb to opening height plus 1 1/2" for conventional units. For top track units, cut part to extend from top track to floor, notch to extend into top track. (Figure 2)

**Step 2:**
Cut 403R Top Track (frame header) to door width less 1 1/4". Omit this step for top track units. (Figure 2)

**Step 3:**
Cut 450R Hanger Track to twice door width. (Figure 2)

**Step 4:**
Put rollers into track and place track in frame header. Butt frame header and track against jamb and secure to drywall header. (Fig. 2)

**Step 5:**
Insert floor clips into pocket studs. (Figure 3) Locate one set 1/8" back from frame opening, and locate second set in the middle of the pocket. Insert ends of studs at top between drywall legs of top track and roller track (Figure 4)
Step 6:
Fasten plywood buck to drywall stud and install bumper. (Fig. 5)

Step 7:
Cut two pieces of floor track to fit between pocket studs and shoot them to the floor. (Fig. 6)

Step 8:
Make a spreader the same width as door and place in between pocket studs. Hang drywall around pocket.

Step 9:
Cut 454 Split Jambs to length. Dimension should equal finished opening height plus 1 1/2" for conventional units. For top track units, cut to extend from top track to floor, notch to extend into top track. Remove spreader and attach split jambs with adhesive. (Fig. 2)

Step 10:
Mount hangers on top of door. Center line of hanger should be 2" from door edge. To hang door, slide roller pins into hanger slot and lock in place. (Fig. 7) Door can be adjusted up or down by turning nut on pin with wrench provided.

Step 11:
Mount bottom guides, one on each split jamb, to guide door. (Fig. 8)
Versatrac™ Conventional, Freestanding Frame with Full Length Sidelite One Side

Installation Instructions

Parts List
1 RAF-2 Hinge Jamb
1 RCH-3QL Strike Jamb
2 Snap-on Door Stops
1 RCH-4 Snap-in Header
1 311R/411R H-Mullion (used as header)
*2 307R/407R Glazing Snap-in Members, nominal lengths
*1 306R/406R Glazing Jamb nominal length
*1 308R/408R Glazing Sill with 309R/409R and 309RL/409RL Glazing Snaps, nominal lengths
1 K-10 angle clip
1 K-16H head clip for strike
1 K-16S foot clip for strike
*6 K-56B clips
*20 T-10 TEK screws
Glazing Vinyl
* Quantities change if intermediate mullions are added.

Rough Opening
Rough opening should equal sum of nominal door (finished opening) size, glass opening size, 1 1/2" for each mullion, and 1 1/2" for jamb clearance. Rough opening height should equal nominal door height plus 3/4" to 1". Drywall stud should be set back 2 1/4" from rough opening on door jamb side. Drywall stud at glazing jamb should be even with drywall edge.

Follow these steps in order. See Typical Connections and Freestanding Sidelight Connections for diagrams.

Step 1:
For frames with extra-length jambs, cut pieces to desired length. (NOTE: Strike jamb between door and glass should be 1 1/2" shorter than hinge jamb, and will be notched to accommodate the stop portion of the snap-in header.)

Step 2:
Insert jamb for drywall side of frame into wall, plumb, and secure by screwing through drywall into backer stud with drywall screws.

Step 3:
Cut 306R/406R glazing jamb to desired length. Mill end to allow it to extend beyond drywall to height of door jamb. (Figure 3-F)

Step 4:
Cut 311R/411R H-mullion to extend between door jamb and glazing jamb. Secure by screwing through rib of H-mullion into drywall header with drywall screws. Attach jamb to H-mullion. (Figure 3-F)

Step 5:
Snap in RCH-4 Header

Step 6:
Insert K-16S foot clip and K-16H head clip into strike jamb. Horizontal leg of clip should be pointing toward glass side. (Figures 1-G and 1-I) Secure top and bottom with TEK screws. Snap in 307R/407R glazing channel.

Step 7:
For intermediate mullions, cut 306R/406R glazing mullion to length. Secure top and bottom with K-56B clips. (Figures 3-E and 1-C) 306R/406R glazing mullion may also be secured to the floor with a K-16S clip. Snap in 307R/407R glazing channel.

Step 8:
Cut 307R/407R glazing channel to extend across glass opening at head and snap in.

Step 9:
Cut 308R/408R glazing sill and 309R/409R and 309RL/409RL glazing snaps to extend across the bottom of glass opening. Block underneath (blocking by others) and shoot glazing sill to floor. (Figure 1-D) Leave glazing snaps loose at opening until glass is installed.
Versatrac™ Top Track Frame with Full Length Sidelite One Side

Installation Instructions

Parts List
1 RCH-2 Hinge Jamb
1 RCH-3QL Strike Jamb
2 Snap-on Door Stops
1 RCH-4 Snap-in Header
1 303R/403R Top Track (already installed)
*2 307R/407R Glazing Snap-in Members, nominal lengths
*1 306R/406R Glazing Jamb, nominal length
*1 308R/408R Glazing Sill with 309R/409R and 309RL/409RL Glazing Snaps, nominal lengths
1 K-10 angle clip
1 K-16H head clip for strike
1 K-16S foot clip for strike
*1 K-2 clip
*4 K-56B clips
*32 T-10 TEK screws
Glazing Vinyl
* Quantities change if intermediate mullions are added.

Rough Opening
Rough opening should equal sum of nominal door (finished opening) size, glass opening size, 1 1/2" for each mullion, and 1 1/2" for jamb clearance. Rough opening height is determined by ceiling height. Drywall stud at door should be set back 2 1/4" to accommodate frame’s backer stud. Drywall stud at glazing jamb should be even with drywall edge.

Follow these steps in order. See Typical Connections and Top Track Sidelite Connections for diagrams.

Step 1:
Cut extra-length jambs to extend from underside of top track to floor. (NOTE: Strike jamb between door and glass will be notched to accommodate the stop portion of the snap-in header.)

Step 2:
For jamb at drywall side of frame, insert K-10 clip into slot of backer stud at top of jamb, place jamb in wall and plumb. Secure by running drywall screws through drywall into backer stud. Slide K-10 clip up to underside of top track and secure with T-10 TEK screws. Secure clip to jamb by running TEK screw through snap feature of jamb into clip.

Step 3:
Snap in RCH-4 header.

Step 4:

Step 5:
Cut 306R/406R glazing mullion to length. Insert into top track and secure at top with K-2 clip and at bottom with K-56B clips. (Figures 1-D and 2-A)

Step 6:
For intermediate mullions, cut 306R/406R glazing mullion to length. Secure top with K-2 clip and bottom with K-56B clips. (Figures 1-C and 2-A) 306R/406R may also be secured to the floor with K-16S clip. Snap in 307R/407R glazing channel.

Step 7:
Cut 307R/407R glazing channel to extend across glass opening at head and snap in.

Step 9:
Cut 308R/408R glazing sill and 309R/409R and 309RL/409RL glazing snaps to extend across the bottom of glass opening. Block underneath (blocking by others) and shoot glazing sill to floor. (Figure 1-D) Leave glazing snaps loose at opening until glass is installed.
Typical Connections

**Horizontal Mullion to Jamb/Intermediate Vertical Mullion**

![Diagram](image)

**Intermediate Vertical Mullion to Floor**

![Diagram](image)

**Glazing Jamb to Floor**

![Diagram](image)

**Transom Bar to Jamb**

![Diagram](image)

**Glazing Jamb and Sill at Wainscoting**

![Diagram](image)

**Suggested Milling Procedures**

A. Make saw cuts with chop saw and break pieces off.

B. Cut glazing pocket out with hacksaw or cut continually with chop saw to remove material.
Typical Connections

Sidelite Jamb to Floor (using K-16S Clip)

Top Track to Sidelite Jamb (using K-16H Clip)

H-Mullion Header to Sidelite Jamb (using K-16H Clip)

Intermediate Vertical Mullion to Sill

Suggested Milling Procedures
A. Make saw cuts with chop saw and break pieces off.
B. Cut glazing pocket out with hacksaw or cut continually with chop saw to remove material.
Top Track Sidelite Connections

Glazing Jamb/Intermediate Mullion Top Track

Sidelite Hinge Jamb (with steel stud) to Top Track

Figure 2-A

Figure 2-B

Conventional, Freestanding Sidelite Connections

Hinge Jamb to H-Mullion

Sidelite Hinge Jamb (with steel stud) to H-mullion

Figure 3-A

Figure 3-B

Intermediate Vertical Mullion to H-Mullion

Glazing Jamb to H-mullion

Figure 3-E

Figure 3-F

Suggested Milling Procedures

A. Make saw cuts with chop saw and break pieces off.
B. Cut glazing pocket out with hacksaw or cut continually with chop saw to remove material.
Versatrim™ Borrowed Lite

Installation Instructions

Parts List
(All quantities dependent upon type of borrowed lite)
1 ea. 376S/476S “Glazing Mullion” (For use at header)
1 ea. 376S/476S “Glazing Mullion” (For use at jamb)
1 ea. 378/478 “Glazing Base” (For use at sill)
2 ea. 379/479 “Glazing Snaps” (For use at sill)
8 ea. S-100 Snap-On Trim
4 ea. K-14 Clips
4 ea. K-56B Mini Glazing Clips
* LF V-6S Stationary Glazing Vinyl
* LF V-6P Push In Glazing Vinyl

Rough Opening
(for lite to the floor)
Rough opening width is equal to the nominal glass opening size, plus 2" for each vertical mullion (or 1 1/2" if S150 trim is used) and 1 7/8" for jamb clearance.

Rough opening height should be nominal glass opening plus 1-1/2". The drywall studs should be reversed at head and jambs, not reversed at base, and flush with the drywall.

Installation Instructions

Step 1:
Install V-6S Stationary Vinyl into all glazing components if not already done. Glazing vinyl must be inserted before material is secured in walls.

Step 2:
Cut 376S/476S Glazing Mullion (for use at jamb) and install into the drywall partition.

Step 3:
Cut the 376S/476S Glazing Mullion (for use at header) to desired length and install between the two vertical jambs. Plumb using the K-14 Clips and secure to drywall partition.

Step 4:
Cut the 378/478 Glazing Base and 379/479 Glazing Snaps (if vertical mullions are not needed) to the desired length and install the 378/478 at sill using the K-56B Glazing Clips. Use 5/8" plywood at base if full-height glass. Snap-on one side of 379/479 Glazing Snap-On (if vertical mullions are required, omit this step and go to Step 5.

Step 5:
Cut the 376S/476S and 377/477 (or 377S/477S if 1-1/2" trim is used) to desired height for vertical mullions. Install at head and base using K-1 clips and K-56B clips. Cut Glazing Snap-Ons to install between side jamb and vertical mullion. Install as Step 4.

Step 6:
Install glass and secure using the V-6P Glazing Vinyl. Snap-on missing 379/479 Glazing Snap at base.

Step 7:
Install Snap-On Trim. Align jamb trims with tops of header trim and snap from top to bottom.

Note:
S-150 (1-1/2") and S-200 (2") Snap-On Trims may require notching for proper installation.

Note:
303F/403F channel or wood blocking required for full height lite installation.
Versatrim™ Frame with Sidelite
(3/8" x 1" Snap-On Trim)

Installation Instructions

Parts List
(All quantities dependent upon type of sidelite)
1 ea. VT-1 Header
1 ea. VT-2 Hinge Jamb
1 ea. VT-3 Strike Jamb
1 ea. 376S/476S “Glazing Mullion” (For use at header)
1 ea. 376S/476S “Glazing Mullion” (For use at jamb)
1 ea. 377/477 “Glazing Snap-in” (For use at strike)
1 ea. 378/478 “Glazing Base” (For use at sill)
2 ea. 379/479 “Glazing Snaps” (For use at sill)
8 ea. S-100 Snap-On Trim
4 ea. K-14 Clips
2 ea. K-1 Clips
4 ea. K-56B Mini-Clips
l.f. V-6S Stationary Glazing Vinyl
l.f. V-6P Push-in Glazing Vinyl
1 ea. K-16V Floor Clip

Rough Opening
Rough opening width is equal to the nominal door (finished opening size) size, glass opening size, 2" for each vertical mullion and 1 1/2" for jamb clearance.

Rough opening height should be nominal door (finished opening) height plus 3/4" for full height glass.

The drywall studs should be reversed and flush with the drywall at head and jamb.

If less than full height at, drywall stud at base should not be reversed and should be flush with drywall.

Installation Instructions

Step 1:
Insert VT-1 Header into place.

Step 2:
For jams furnished with extra length, measure distance from header and cut jams to desired length.

Step 3:
Insert VT-2 hinge jamb tabs into header slots and push jamb into place.

Step 4:
Plumb VT-2 hinge jamb and attach to wall using 1 1/4" drywall screws placed into pre-drilled holes along frame edge. Make sure that frame is not twisted in wall when fastening.

Step 5:
Pull VT-1 Header down snug to drywall. Square with hinge jamb using K-14 clips.

Step 6:
**Install V-6S Glazing Vinyl into all glazing components. Vinyl must be installed before glazing material is secured in walls.

Step 7:
Set VT-3 strike jamb to door opening width and secure to floor with K-16V clip. Cut 377/477 Glazing Snap-In to desired length and slide into the back of VT-3 strike jamb.

Cut 376S/476S Glazing Jamb to desired height and install in drywall partition opposite the hinge jamb. Square using K-14 clips and secure.

Step 8:
Cut 376S/476S Glazing Jamb (for use at header) to desired length and install level with VT-1 door header. Fasten to door header using K-1 clips (opposite end of glazing header should receive the K-14 Clip as detailed in Step 7.)

Step 9:
Cut the 378/478 Glazing Base to desired length and secure to floor using wood blocking (NIC). Attach to sidelite strike jamb and glazing mullion using 2 K-56B clips per side. Cut 379/479 Glazing Snaps to desired lengths. Install one side of 379/479 Glazing Snap; other piece to be installed after glass is installed.

Step 10:
Install glass and secure using V-6P Glazing Vinyl and 379/479 Glazing Snap.

Step 11:
Install S-100 Snap-On Trim. Trim should be installed after doors are hung and final jamb adjustments are made. Align jamb trims with tops of header trim and snap from top to bottom.
Versatrim™ Frame with Sidelite
(3/8" x 2" Snap-On Trim)

Installation Instructions

Parts List
(All quantities dependent upon type of sidelite)
1 ea. VT-1 Header
1 ea. VT-2 Hinge Jamb
1 ea. VT-3 Strike Jamb
1 ea. 376S/476S “Glazing Mullion” (For use at header)
1 ea. 376S/476S “Glazing Mullion” (For use at jamb)
1 ea. 377/477 “Glazing Snap-in” (For use at strike)
1 ea. 378/478 “Glazing Base” (For use at sills)
2 ea. 379/479 “Glazing Snaps” (For use at sills)
8 ea. S-200 Snap-On Trim
4 ea. K-14 Clips
2 ea. K-1 Clips
4 ea. K-56B Mini-Clips
1 f. V-6S Stationary Glazing Vinyl
1 f. V-6P Push-in Glazing Vinyl
1 ea. K-16V Floor Clip

Rough Opening
Rough opening width is equal to the nominal door (finished opening size) size, glass opening size, 2" for each vertical mullion and 1 1/2" for jamb clearance.

Rough opening height should be nominal door (finished opening) height plus 3/4" for full height glass.

The drywall studs should be reversed and flush with the drywall at head and jambs.

If less than full height at, drywall stud at base should not be reversed and should be flush with drywall.

Installation Instructions

Step 1:
Insert VT-1 Header into place.

Step 2:
For jambs furnished with extra length, measure distance from header and cut jambs to desired length.

Step 3:
Insert VT-2 hinge jamb tabs into header slots and push jamb into place.

Step 4:
Plumb VT-2 hinge jamb and attach to wall using 1 1/4” drywall screws placed into pre-drilled holes along frame edge. Make sure that frame is not twisted in wall when fastening.

Step 5:
Pull VT-1 Header down snug to drywall. Square with hinge jamb using K-14 clips.

Step 6:
**Install V-6S Glazing Vinyl into all glazing components. Vinyl must be installed before glazing material is secured in walls.

Step 7:
Set VT-3 strike jamb to door opening width and secure to floor with K-16V clip. Cut 377/477 Glazing Snap-In to desired length and slide into the back of VT-3 strike jamb.

Cut 376S/476S Glazing Jamb to desired height and install in drywall partition opposite the hinge jamb. Square using K-14 clips and secure.

Step 8:
Cut 376S/476S Glazing Jamb (for use at header) to desired length and install level with VT-1 door header. Fasten to door header using K-1 clips (opposite end of glazing header should receive the K-14 Clip as detailed in Step 7.)

Step 9:
Cut the 378/478 Glazing Base to desired length and secure to floor using wood blocking (NIC). Attach to sidelite strike jamb and glazing mullion using 2 K-56B clips per side. Cut 379/479 Glazing Snaps to desired lengths. Install one side of 379/479 Glazing Snap; other piece to be installed after glass is installed.

Step 10:
Install glass and secure using V-6P Glazing Vinyl and 379/479 Glazing Snap.

Step 11:
Install S-200* Snap-On Trim. Trim should be installed after doors are hung and final jamb adjustments are made. Align jamb trims with tops of header trim and snap from top to bottom.

*Note: S-200 Snap-On Trim may require notching for proper installation.
Versatrim™ Frame with Sidelite
(3/8" x 1 1/2" Snap-On Trim)

Installation Instructions

Parts List
(All quantities dependent upon type of sidelite)
1 ea. VT-1 Header
1 ea. VT-2 Hinge Jamb
1 ea. VT-3 Strike Jamb
1 ea. 376S/476S “Glazing Mullion” (For use at header)
1 ea. 376S/476S “Glazing Mullion” (For use at jamb)
1 ea. 377S/477S “Glazing Snap-in” (For use at strike)
1 ea. 378/478 “Glazing Base” (For use at sill)
2 ea. 379/479 “Glazing Snaps” (For use at sill)
8 ea. S-150 Snap-On Trim
4 ea. K-14 Clips
2 ea. K-1 Clips
4 ea. K-56B Mini-Clips
1 f. V-6S Stationary Glazing Vinyl
1 f. V-6P Push in Glazing Vinyl
1 ea. K-16V Floor Clip

Rough Opening
Rough opening width is equal to the nominal door (finished opening size) size, glass opening size, 1 1/2" for each vertical mullion and 1 1/2" for jamb clearance.

Rough opening height should be nominal door (finished opening) height plus 3/4" for full height glass.

The drywall studs should be reversed and flush with the drywall at head and jambs.
If less than full height at, drywall stud at base should not be reversed and should be flush with drywall.

Installation Instructions

Step 1:
Insert VT-1 Header into place.

Step 2:
For jambs furnished with extra length, measure distance from header and cut jambs to desired length.

Step 3:
Insert VT-2 hinge jamb tabs into header slots and push jamb into place.

Step 4:
Plumb VT-2 hinge jamb and attach to wall using 1 1/4" drywall screws placed into pre-drilled holes along frame edge. Make sure that frame is not twisted in wall when fastening.

Step 5:
Pull VT-1 Header down snug to drywall. Square with hinge jamb using K-14 clips.

Step 6:
**Install V-6S Glazing Vinyl into all glazing components. Vinyl must be installed before glazing material is secured in walls.

Step 7:
Set VT-3 strike jamb to door opening width and secure to floor with K-16V clip. Cut 377S/477S Glazing Snap-In to desired length and slide into the back of VT-3 strike jamb.

Cut 376S/476S Glazing Jamb to desired height and install in drywall partition opposite the hinge jamb. Square using K-14 clips and secure.

Step 8:
Cut 376S/476S Glazing Jamb (for use at header) to desired length and install level with VT-1 door header. Fasten to door header using K-1 clips (opposite end of glazing header should receive the K-14 Clip as detailed in Step 7.)

Step 9:
Cut the 378/478 Glazing Base to desired length and secure to floor using wood blocking (NIC). Attach to sidelite strike jamb and glazing mullion using 2 K-56B clips per side. Cut 379/479 Glazing Snaps to desired lengths. Install one side of 379/479 Glazing Snap; other piece to be installed after glass is installed.

Step 10:
Install glass and secure using V-6P Glazing Vinyl and 379/479 Glazing Snap.

Step 11:
Install S-150* Snap-On Trim. Trim should be installed after doors are hung and final jamb adjustments are made. Align jamb trims with tops of header trim and snap from top to bottom.

*Note: S-150 Snap-On Trim may require notching for proper installation.
Versatrac™ Adjustable 90-Minute Aluminum Door Frame Assembly

Installation Instructions

Note: Installation of this frame shall be per these instructions and in accordance with NFPA 80.

Rough Opening
Rough opening should equal door width plus 3/4" to 7/8"; door height plus 3/8" to 7/16"; with drywall studs plumb to sheetrock opening. The same rough opening dimension will apply to a single or double frame.

Step 1:
Install steel wall cap around sheetrock opening at head and jambs engaging tabs at top of vertical steel wall cap to steel wall cap at header.

Step 2:
Plumb one side of steel wall cap and screw thru guide holes into “C” stud on both sides of steel wall cap using #8 x 1 3/4" self-tapping screws. Minimum engagement of screws into “C” stud to be 1/2".

Step 3:
Plumb other side of steel wall cap with steel wall cap at header and screw thru guide holes into “C” stud and “U” track on both sides of steel wall cap using #9 x 1 3/4" self-tapping screws. Note opening width from vertical wall cap to vertical wall cap should be door width plus 1/2"; height from floor to steel wall cap at header should be nominal door height plus 1/4".

Step 4:
Assemble two halves of aluminum frame sliding K-14 clips into slots provided in frame header and frame jambs (2 clips for each half).

Step 5:
Place assembled frame halves over steel wall cap. Plumb each side using clamps to hold frame halves in place. Position steel stop channels provided for frame stops in stop grooves of aluminum frame jambs and header. Screw steel stop channels in stop position to two-piece aluminum frame jambs engaging “C” stud with T-10 (#16 x 5/8" self-tapping screws). Make sure jambs are tight with mitered head.

Step 6:
Install aluminum door stops on frame; hang door(s) and install hardware. Note pilot holes for hinges must be drilled into steel channel using aluminum template for a guide. Then use self-tapping hinge screws provided by the frame manufacturer to attach hinges to the frame.
Transom Frame with Sidelite
(For 4-7/8" walls, 3-3/4" walls similar freestanding frames)

Installation Instructions

Step 1:
Cut vertical jamb 411R that wraps wall at hinge jamb to height needed (floor to top of horizontal header) per Detail 13. Assemble 411R with W-5 wood backer and drywall stud per Detail 13; place in wall. Note wood backer is reinforcement for hinges and should be cut to fit at door height only. Do not install from floor to underside of header.

Step 2:
Cut vertical jamb 411R that wraps wall at strike side of door frame to height needed (floor to underside of header) per Detail 14. Notch wood for strike plate (3/8"x1-1/2") at approximately 40-3/4" above floor to bottom of notch (measure for complete accuracy). Assemble 411R with W-5 wood backer and drywall stud per Detail 14; place in wall. Note wood backer is reinforcement for strike jamb and should be cut to fit at door height only. Do not install from floor to underside of header. Jamb to jamb dimension (411R at hinge to 411R at strike) should be door width plus 1/4".

Step 3:
Cut 411R header per Detail 15 to door width plus 1/4". Place header between two vertical jambs wrapping drywall at head and secure to side jambs with K-10 angle clips.

Step 4:
Determine height of horizontal transom bar. Cut vertical 407R glazing snap-ins at transom to fit from underside of header to door opening height. Install per Detail 16 on both sides at glass transom. Cut horizontal 407R glazing snap-on over transom to 3'-0-1/4" and install at head of transom per Detail 15.

Step 5:
Cut transom bar to 3'-0-1/4" (408R base) per Detail 12 and secure to 407R on each side with K-56B clips. Cut RCh-4 snap-in door header to length needed and install per Detail 15.

Step 6:
Cut 409R/409RL glazing snaps to extend across transom bar per Detail 12. Leave loose at openings until glass is installed.

Step 7:
Install RCH-4A hinge and strike jamb per Details 13 and 14.
Transom Frame with Window Wall
(For 4-7/8" walls, 3-3/4" walls similar freestanding frames)

Installation Instructions

**Step 1:**
Cut vertical jamb 311R that wraps wall at hinge jamb to height needed (floor to top of horizontal header). Assemble 311R with W-5 wood backer and drywall stud per Detail 2T; place in wall. Note wood backer is reinforcement for hinges and should be cut to fit at door height only. Do not install from floor to underside of header.

**Step 2:**
Cut opposite vertical jamb 306R to height needed (floor to underside of header) per Detail 7. Wrap jamb around drywall at opposite end from hinge jamb or secure to wall with wood blocking (by others).

**Step 3:**
Cut 311R to length needed per Detail 4 between 311R hinge jamb and 306R at drywall. Secure to 311R at hinge jamb with K-10 clip; secure to 306R at opposite end with two K-56B clips.

**Step 4:**
Cut vertical jamb 311R at strike side of door frame to height needed (floor to underside of header) per Detail 3T. Secure 311R at door opening width plus 1/4" with K-10 clips at head and floor.

**Step 5:**
Determine height of horizontal transom bar. Cut vertical 307R glazing snap-ins at transom to fit from underside of header to door opening height. Install per Detail 8 and Detail 9 on each side of transom. Cut horizontal 307R glazing snap-in over transom to 3'0-1/4" and install at head of transom per Detail 4.

**Step 6:**
Cut transom bar to 3'0-1/4" (308R base) per Detail 1T and secure to 307R on each side with K-56B clips. Cut RCH-4 snap-in door header to length needed and install per Detail 1T.

**Step 7:**
Cut 307R glazing channels to extend across glass opening at head, verticals, and strike jamb. Snap-in per Details 3T, 4, and 8.

**Step 8:**
Cut 308R glazing sill to extend across the bottom of glass opening per Detail 6. Block underneath (blocking by others) and shoot glazing sill to floor.

**Step 9:**
Cut 308M horizontal glazing mull to extend between mullions per Detail 5. Install using K-56B clips on each end.

**Step 10:**
Cut 309R/309RL glazing snaps to extend across transom bar, glazing base, and horizontal glazing mull(s) per Details 1T, 5, and 6. Leave loose at openings until glass is installed.

**Step 11:**
Notch W-5 wood stud to be used at strike jamb for strike plate (3-3/8"x1-1/2") at approximately 38-3/4" above floor to bottom of notch (measure for complete accuracy). Install with RCH-4A strike jamb per Detail 3T.

**Step 12:**
Install RCH-4A hinge jamb per Detail 2T.
Versatrac™ Borrowed Lite – Freestanding R System

Installation Instructions

**Note:**
Assumes drywall on all four sides

**Rough Opening**
Width equals clear glass opening plus 1-1/2" for each vertical mullion plus 1-1/2" overall to wrap drywall each side.

Height equals clear glass opening plus 1-7/8".

**Step 1:**
Cut vertical jambs (306R/406R) to gyp board opening plus 1-7/8". Notch vertical pieces on each end to wrap gyp board. Install two vertical jambs. *Figure 3-F.*

**Step 2:**
Cut horizontal header (311R/411R) to length; length to be distance between two vertical jambs above. Install header over gyp board at head and attach to vertical jambs with two K-56B clips. *Figure 3-F.*

**Step 3:**
Cut glazing base (308R/408R) to length; length to be distance between two vertical jambs or same as header (311R/411R). Install base over drywall with two K-56B clips. *Figure 1-F.*

**Step 4:**
Cut vertical mullion(s) (306R/406R) to height needed (underside of H-mull to top of glazing base). Mullion should be milled at one end; cut milling to 3/4" to fit into H-mull header then measure length of 306R/406R. Attach vertical mullion to H-mull header (*Figure 3-E*) and glazing base (*Figure 1-J*) using two K-56B clips at each connection.

**Step 5:**
Cut vertical pieces (307R/407R) to snap into H-mull header and vertical mullions.

**Step 6:**
Cut base snaps (307R/407R and 309RL/409RL) to fit in on top of glazing base. Snaps to be installed when glass is installed.
Versatrac™ Borrowed Lite – Freestanding R System

**Suggested Milling Procedures**

- **A.** Make saw cuts with chop saw and break pieces off.

- **B.** Cut glazing pocket out with hacksaw or cut continually with chop saw to remove material.

**Intermediate Vertical Mullion to H-Mullion**

- **311R/411R H-Mullion**
- **307R/407R Snap-in Glazing Member**
- **K-56B Clip**
- **307R/407R Snap-in Glazing Member**

Figure 3-E

**Intermediate Vertical Mullion to Sill**

- **306R/406R Glazing Mullion**
- **308R/408R Glazing Sill with Glazing Snaps**
- **306R/406R Glazing Mullion**
- **308R/408R Glazing Sill with Glazing Snaps**

Figure 1-J
Versatrac™ Borrowed Lite – Freestanding R System

Installation Instructions

Note:
The installation instructions assume borrowed lite goes to the floor with drywall on each side and at the head.

Rough Opening
Width equals clear glass opening plus 1-1/2" for each vertical mullion plus 1-1/2" overall to wrap drywall each side.

Height equals clear glass opening plus 3/4".

Step 1:
Cut vertical jambs (306R/406R) to gyp board opening plus 3/4". Notch vertical pieces on each end to wrap gyp board. Install two vertical jambs. Figure 3-F.

Step 2:
Cut horizontal header (311R/411R) to length; length to be distance between two vertical jambs above. Install header over gyp board at head and attach to vertical jambs with two K-56B clips. Figure 3-F.

Step 3:
Cut glazing base (308R/408R) to length; length to be distance between two vertical jambs or same as header (311R/411R). Install base at floor with two K-56B clips. Shoot base to floor if desired with wood blocking below. Figure 1-D.

Step 4:
Cut vertical mullion(s) (306R/406R) to height needed (underside of H-mull to top of glazing base). Mullion should be milled at one end; cut milling to 3/4" to fit into H-mull header then measure length of 306R/406R. Attach vertical mullion to H-mull header (Figure 3-E) and glazing base (Figure 1-D) using two K-56B clips at each connection.

Step 5:
Cut vertical pieces (307R/407R) to snap into H-mull header and vertical mullions.

Step 6:
Cut base snaps (307R/407R and 309RL/409RL) to fit in on top of glazing base. Snaps to be installed when glass is installed.
Versatrac™ Borrowed Lite – Freestanding R System

Installation Instructions

Note:
Assumes borrowed lite attaches to the ceiling grid with drywall on both sides and below the base.

Rough Opening
Width equals clear glass opening plus 1-1/2" for each vertical mullion, if applicable, plus 1-1/2".

Height equals clear glass height plus 1-1/2" for header plus 1" to drywall below. Drywall studs flush with drywall at sides and base.

Step 1:
Cut vertical jambs (306R/406R) to gyp board opening plus 1/2". Notch vertical pieces on bottom ends to wrap gyp board at base. Install two vertical jambs. Figure 1-F.

Step 2:
Cut horizontal header (303R/403R) to length; length to be distance between two vertical jambs above. Install header for ceiling grid and attach to vertical jambs with two K-2 clips. Figure 2-A.

Step 3:
Cut glazing base (308R/408R) to length; length to be distance between two vertical jambs or same as header (303R/403R). Install base over drywall, attached to vertical jambs with two K-56B clips on each side avoiding glass pocket and position to allow base snaps to snap on. Figure 1-D.

Step 4:
Cut vertical mullion(s) (306R/406R) to height needed (top of header to top of glazing base). Mullions should be milled 1-1/2" at one end; cut milling to 3/4" to fit into horizontal header (303R/403R). Attach header using K-2 clip (Figure 2-B). Attach vertical mullion to base using two K-56B clips (Figure 1-1). 

Step 5:
Cut horizontal pieces (307R/407R) to snap into header and vertical piece for center mullion (307R/407R) and install.

Step 6:
Cut base snaps (307R/407R and 309RL/409RL) to fit in on top of glazing base between vertical jambs and center mullion. Snaps to be installed when glass is installed.
**Glazing Jamb and Sill at Wainscoting**

A. 13/16' Knock out

B. 308R/408R Glazing Sill with Glazing Snaps

**Figure 1-F**

**Glazing Jamb**

Steel Stud (by others)

308R/408R Glazing Sill with Glazing Snaps

K-56B Clip

**Figure 1-D**

**Intermediate Vertical Mullion to Sill**

307R/407R Snap-in Glazing Member

306R/406R Glazing Mullion

K-56B Clips

308R/408R Glazing Sill with Glazing Snaps

**Figure 1-J**

**Glazing Jamb**

Steel Stud (by others)

308R/408R Glazing Sill with Glazing Snaps

K-56B Clip

**Figure 2-A**

**Intermediate Mullion Top Track**

307R/407R Snap-in Glazing Member

1/2"

**Figure 2-B**
Suggested Specifications
Door Opening Assemblies

Part 1 General
A. Work Included
1. Furnish prefinished, extruded aluminum door frames, including sidelight and borrowed light configurations for interior use.

B. Related Items Specified Elsewhere
1. Glass and Glazing Section ________________
2. Finish Hardware Section ________________
3. Painting Section ________________

C. Quality Assurance
1. Frames shall be manufactured by a company regularly engaged in the manufacture of aluminum door frames and shall meet AAMA 603.7-1976 standards.

D. Submittals
1. Provide complete shop drawings of all door opening assemblies, indicating size, swing, finish, fire rating and construction.
2. Provide details of all accessories to be provided by manufacturer.
3. Provide elevation and section details of all door frames.
4. Provide manufacturer's standard samples for frame finish selection.

E. Handling
1. Handle all frames with care to prevent damage.
2. Keep frames in original packaging until installation.
3. Store all materials flat on a level surface, protected from moisture and extremes of temperature.

F. Guarantee
1. Guarantee interior aluminum frames to be free of defect for period of one year from the date of the initial delivery, if properly protected, installed and maintained within the terms and exclusions of the manufacturer's warranty.

Part 2 - Products
Frame Systems
A. Acceptable Manufacturer
Versatrac; Houston, TX
1(800) 395-2014

B. Materials
1. All frames shall be extruded aluminum, of alloy 6063-T5, and of 0.062" minimum thickness.
2. Frames shall accommodate 3 3/4" or 4 7/8" walls (specify one).
3. Frames shall be quick-mount type, with extruded attached stud segments (for unfinished walls); or basic type, including separate, full-length aluminum studs (for prefinished walls), as specified
4. Frames shall be removable or relocatable.
5. Frames shall have all installation fasteners concealed when installed.

C. Finish
1. All frames shall be prefinished in Satin Metallic Bronze, Satin Black, or White thermosetting polymer acrylic, or Natural Clear Anodized finish, unless custom color or anodized finish is specified.

D. Construction
1. Frames shall have hinge and strike reinforcements of 0.125" extruded aluminum of alloy 6063-T5.

E. Hardware Preparation
1. Frames shall be prepared for three 4 1/2" x 4" ASA hinges. Preparations for fourth hinge optional.
2. Frames over nine feet in height shall be prepared for four 4 1/2" x 4" ASA hinges.
3. Frames shall be prepared for jamb-mounted closer reinforcement, if specified.

F. Door Stops
1. Frames shall be furnished with snap-on stops, with continuous mohair sound seal around entire frame perimeter. Vinyl sound seal optional, at additional cost.

G. Fire-Rated Frame Labels
1. 20 minute Warnock-Hersey labels shall be provided for all scheduled fire-rated frames.
2. Frames with 90 minute labels also available.

Part 3 - Execution
A. Preparation
1. Provide enough wall openings to accommodate door opening assemblies as per manufacturer’s instructions.

B. Installation
1. Door opening assemblies shall be plumb, square and installed in the proper rough openings.
2. Manufacturer's recommended installation instructions shall be followed.
3. Provide 1/8" clearance at hinge stile, 1/8" at lock stile, plus top and bottom clearance as specified. Bottom clearance on fire-rated doors shall not exceed NFPA 80 standard of 3/4".
4. Ensure that doors open and swing properly.

C. Cleaning
1. Door opening assemblies shall be cleaned with general, non-abrasive cleaners suitable for painted surfaces. Wipe the surfaces with a soft, dry cloth.
# Materials and Resources

<table>
<thead>
<tr>
<th>LEED CREDIT</th>
<th>LEED CRITERIA</th>
<th>ALUMINUM FRAMES</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Use salvaged, refurbished or reused materials such that the sum of these materials constitutes at least 5%, based on cost, of the total value of materials on the project.</td>
<td>Yes. Versatrac frames are knockdown and are 100% reuseable.</td>
</tr>
<tr>
<td>3.2</td>
<td>Use salvaged, refurbished or reused materials for an additional 5% beyond MR Credit 3.1 (10%) total, based on cost.</td>
<td>Yes. Versatrac frames are knockdown and are 100% reuseable.</td>
</tr>
<tr>
<td>4.1</td>
<td>Recycled Content: 10% (post-consumer + 1/2 pre-consumer)</td>
<td>Yes. Composed of 30% post-consumer, 48% post-industrial, 22% primary</td>
</tr>
<tr>
<td>4.2</td>
<td>Recycled Content: 20% (post-consumer + 1/2 pre-consumer)</td>
<td>Yes. Composed of 30% post-consumer, 48% post-industrial, 22% primary</td>
</tr>
<tr>
<td>5.1</td>
<td>Regional Materials: 10% extracted, processed and manufactured regionally</td>
<td>Yes. If project is within 500 miles of Wylie, Texas or Houston, Texas</td>
</tr>
<tr>
<td>5.2</td>
<td>Regional Materials: 20% extracted, processed and manufactured regionally</td>
<td>Yes. If project is within 500 miles of Wylie, Texas or Houston, Texas</td>
</tr>
</tbody>
</table>
Hardware

Two-Knuckle Hinges
These two-knuckle hinges are of full mortise design and standard weight, 4 1/2" x 4" template.

- Hinges are supplied in finishes that match Versatrac components: bronze, black and white. Plated finishes available on special order.
- Neat, clean barrel design.
- Only three hinges required for solid core doors up to 3'0" x 9'0". Nylon washer takes vertical load and large diameter pin supports the lateral load.
- Door cannot be lifted off when in closed position.
- D3 Bronze, D4 Black, US26D Brushed Chrome.

Slimline Closers with Optional Covers

- Surface mounted and non-handed; can be installed in standard manner or can be top jamb mounted.
- Parallel over with optional P.A. bracket.
- Two noncritical adjustment valves to control sweep and latching speeds.
- Tested by Underwriters Laboratories, Inc. to meet ANSI A-156.4 Grade 1 standards.