Frame and Mullion Lite Pattern Options

Style 10
Frame Door

Style 1996
LP101 over 2wx2h Lites
8 Lites

Style 1996
LP102 over 3wx2h Lites
10 Lites

Style 995L
LP103 over 2wx2h Lites
7 Lites

Style 995R
LP103 over 2wx2h Lites
7 Lites

Style 995R
LP103 over 2wx2h Lites
7 Lites

Style 996R
LP103 over 2wx2h Lites
7 Lites

Frame & Mullion Cabinet Door & Drawer Front Options

Style 10
LP001 - 4 Lites
2 wide x 2 high

Style 10
LP001 - 6 Lites
2 wide x 3 high

Style 10
LP001 - 8 Lites
2 wide x 4 high

Style 10
LP100 - 5 Lites

Style 10
LP100 - (2) Patterns
8 Lites

Style 10
LP100 - (3) Patterns
11 Lites

► For PRICING ► See Section B.12 in our current Wholesale Pricing Catalog.

B.12.1
Mullion Lite Pattern Options

This drawing shows the horizontal mullion strip dividing the opening at an approximate 40/60 ratio. You must specify mullion location when ordering.

Style 10
LP109 - 4 Lites

Style 10
LP109 - (2) Patterns
7 Lites

Style 10
LP109 - 5 Lites

Style 40MUL
w/LP109 - 4 Lites

Style 10
LP110 - 4 Lites

For PRICING See Section B.12 in our current Wholesale Pricing Catalog.
Cabinet Door & Drawer Front Options

Frame & Mullion

Mullion Lite Pattern Options

Style 10
LP111 - 4 Lites
(Drawn at: 12"W x 28"H)
[304.8mm x 711.2mm]

Style 10
LP111 - (2) Patterns
7 Lites
(Drawn at: 12"W x 28"H)
[304.8mm x 711.2mm]

Style 10
LP112 - 7 Lites

Style 10
LP113 - 5 Lites

Style 10
LP113 - (2) Patterns
8 Lites

Style 10
LP114 - 12 Lites

Style 10
LP115 - 7 Lites

Style 10
LP115 - (2) Patterns
12 Lites

Style 10
LP116 - 5 Lites

Style 10
LP116 - 8 Lites

Style 10
LP116 - 11 Lites

Style 10
LP116 - 13 Lites

Style 10
LP117 - 8 Lites

Style 10
LP117 - 11 Lites

Style 10
LP117 - 13 Lites

Style 10
LP118 - 9 Lites

Style 10
LP118 - 11 Lites

Style 10
LP118 - 13 Lites

Style 10
LP119 - 3 Lites

Style 10
LP119 - (2) Patterns
5 Lites

Style 10
LP119 - 5 Lites

Style 10
LP119 - 7 Lites

Style 10
LP119 - 9 Lites

Style 10
LP119 - 11 Lites

Style 10
LP119 - 13 Lites

Style 10
LP119 - (2) Patterns
5 Lites

For PRICING ► See Section B.12 in our current Wholesale Pricing Catalog.
Frame & Mullion

Mullion Lite Pattern Options

Style 10
LP120 - 4 Lites

Style 10
LP120 - (2) Patterns
6 Lites

Style 10
LP121 - 4 Lites

Style 10
LP121 - (2) Patterns
7 Lites

Style 10
LP122 - 6 Lites

Style 10
LP122 - (2) Patterns
9 Lites

Style 10
LP124 - 20 Lites

Style 10
LP125 - 3 Lites

Style 10
LP125 - (2) Patterns
5 Lites

Style 10 - LP127
4 Lites

Style 10 - LP127
(2) Patterns
7 Lites

Style 10 - LP128
8 Lites

Style 10 - LP129
7 Lites

Style 10 - LP130
12 Lites

► For PRICING ► See Section B.12 in our current Wholesale Pricing Catalog.
**Frame & Mullion**

**Mullion Lite Pattern Options**

- **Style 10**
  - LP131 - 10 Lites
  - LP132 - 11 Lites
  - LP133 - 5 Lites
  - LP134 - 12 Lites
  - LP136 - 6 Lites
  - LP137 - 6 Lites
  - LP138 - 12 Lites
  - LP139 - 5 Lites
  - LP140 - 13 Lites
  - LP141 - 5 Lites
  - LP142 - 5 Lites
  - LP143 - 11 Lites
  - LP144 - 6 Lites
  - LP145 - 12 Lites
  - LP146 - 2 Lites
    - 2 wide x 1 high

*For PRICING*  See Section B.12 in our current Wholesale Pricing Catalog.
Mullion Lite Pattern Options

**Doors using the LP123 lite pattern are available from 12” to 24” wide in 1” increments. Please see Notes for more information.**

- **Style 10**
  - LP147 - 2 Lites
  - 1 wide x 2 high
- **Style 10**
  - LP148 - 5 Lites
- **Style 10**
  - LP149 - 9 Lites
- **Style 10**
  - LP150 - 5 Lites
- **Style 10**
  - LP151 - 15 Lites
- **Style 10**
  - LP152 - 3 Lites
- **Style 10**
  - LP153 - 3 Lites

**LP123 Lite Pattern Configuration Options**

- **Style 10**
  - LP123 - 10 Lites

**Notes:**

- Doors using the LP123 lite pattern are available from 12” to 24” wide in 1” increments. Please see Notes for more information.
Frame & Mullion

Cabinet Door & Drawer Front Options

Formula for Glass Size Calculation

1) Formula used to calculate the width/height of “square or rectangular” shaped glass to fit a single opening WalzCraft frame with “straight” stile & rail parts (Does not include French Miter Doors):
   - Glass Width = [ Door Width - (stile width x 2) ] + [ ⅛" (GRF width) x 2 ] - [ ⅛" (Frame / Glass Gap Width) x 2 ]
   - Glass Height = [ Door Height - (rail width x 2) ] + [ ⅛" (GRF width) x 2 ] - [ ⅛" (Frame / Glass Gap Width) x 2 ]
   - Note: WalzCraft does not calculate glass size for frame & mullion doors with true divided lites or frame only doors with shaped stiles or rails. For these styles we recommend waiting until you receive your door, then take it to your local glass supplier to have your glass cut to fit each opening.

2) To calculate the width/height of “square or rectangular” shaped glass to fit a frame provided by another source, or a WalzCraft frame with multiple openings, with “straight” stile & rail parts:
   - From the back side of your frame, measure the frame cavity opening (width & height) where the glass will set into the frame and deduct ⅛" (⅛" Frame / Glass Gap Width x 2) from your width and height dimension.

   ** Please see notes in Section B.7 to calculate glass sizes for French Mitered Door Frames **
   ** * Please see “Frame and Mullion Door Notes” later in this section for more information on calculating Glass Sizes. ** *

Half Lap Mullion Construction

The examples to the right show our Half Lap Mullion joinery detail.
   - Half Lap Mullion construction provides a stronger joint and is standard for most Stile and Rail profiles that have matching mullion stock options.

Rubber Glass Retainer

   - Please see Section B.12 of our current Wholesale Pricing Catalog for Glass Retainer lineal foot pricing.
   - Glass retainer fits into a slot, as shown in the drawing above, and can only be used with ⅛" [3.2mm] glass.
   - True Lite mullions are not constructed with a slot to accept rubber glass retainer.
   - Glass Retainer is available in Black, Brown, Clear & White.
   - To order Retainer with a Frame Only Door, simply check the box on Door Order Form #2 indicating which color you would like and our Configurator will calculate the amount needed.
   - To order Retainer by itself, please use Miscellaneous Order Form #5 and Part #155067. For the Description, simply enter the color and amount of lineal feet needed.
     - You may order the glass retainer by the lineal foot, or in full rolls. (Both are priced the same.)
     - White is available in 500 foot rolls.
     - Black, Brown and Clear are available in 1,000 foot rolls.
   - Occasionally, due to the rubber retainer manufacturing process / tolerances, you may find that your retainer is slightly loose in an area. Should this occur, WalzCraft recommends adding a small bead of glue or caulk in this spot to help secure the retainer.

★ For PRICING ★ See Section B.12 in our current Wholesale Pricing Catalog.
Frame & Mullion

**Mullion Lite Option 1 - Standard Lite**

SR107GRF

- ⅛” [3.2mm] Glass
- #812 Mullion
- Rubber Glass Retainer
- Wood Retainer Molding also available.

**Mullion Lite Option 2 - True Lite with Divider Molding**

SR107GRF

- ⅛” [3.2mm] Glass
- #812 Mullion
- #819 True Lite Divider Molding

**Mullion Lite Option 3 - True Lite Retainer Groove (TLRG)**

SR107GRF

- ⅛” [3.2mm] Glass
- #812 Mullion with True Lite Retainer Groove (TLRG).
- #2933 Wood Retainer Molding. To be used with True Lite Retainer Groove - TLRG.
- #2369 Wood Retainer Molding. Matches molding #2933.
- Rubber Glass Retainer also available.

► For PRICING ► See Section B.12 in our current Wholesale Pricing Catalog.

= WalzCraft recommends using silicone caulk to secure the wood retainer molding and/or glass. Please see Notes for more information.
Cabinet Door & Drawer Front Options

Frame & Mullion

Wood Retainer Molding (Cut to Size)

For ¼” [19.1mm] Doors
- #2369
  PC: AM102
  Multiplier: .70
  Trim Here

- #1317
  PC: AM101
  Multiplier: .70
  Trim Here

- #2671
  PC: AM101
  Multiplier: .70
  Trim Here

- #2871
  PC: AM101
  Multiplier: .70
  Trim Here

For 1” [25.4mm] Doors
- #1329
  PC: AM101
  Multiplier: .70
  Trim Here

Wood Retainer Molding (Cut to Size)

For ¼” [19.1mm] Doors
- #1036
  PC: AM101
  Multiplier: .70
  Trim Here

- #3094
  PC: AM101
  Multiplier: .70
  Trim Here

- #1036
  Trim Here

For 1” [25.4mm] Doors
- #1120
  PC: AM101
  Multiplier: .70
  Trim Here

Wood Retainer Molding (Cut to Size)

SR107GRF
- Trim Here

Wood Tenon Filler Molding (Cut to Size)

SR107
- Panel Plow
  Groove Cut (PPGC)

“GRF” Wood Filler Molding (Cut to Size)

SR107GRF
- #1246
  PC: AM102
  Multiplier: .70

Molding #2933, #3041, #3042 - Wood Retainer Molding for True Lite Retainer Groove - TLRG (Cut to Size)

#2933
- PC: AM101
  Multiplier: .70

#3042
- PC: AM101
  Multiplier: .70

#3041
- PC: AM101
  Multiplier: .70

Note: SR107GRF shown at 1” thick.

Example: ¼” Glass

Example: ¼” Glass

For PRICING ► See Section B.12 in our current Wholesale Pricing Catalog.
### Ordering & Pricing Notes: Cut to Size Wood Retainer Molding

#### Ordering Guidelines

<table>
<thead>
<tr>
<th>1</th>
<th>Order Forms</th>
<th>Please use Door Order Form (E-Z Form #2).</th>
</tr>
</thead>
</table>

#### Pricing

<table>
<thead>
<tr>
<th>1</th>
<th>Pricing</th>
<th>Please see Section B.12 of our current Wholesale Pricing Catalog.</th>
</tr>
</thead>
</table>

### Technical Notes: Cut to Size Wood Retainer Molding

#### Miscellaneous

| 1 | Silicone | WalzCraft recommends using clear silicone caulking in a small tube. The small capacity tube makes application easier than if using a large caulking gun. |

- Silicone caulk is adhesive enough to hold your molding or glass in place, but flexible enough to allow you to break the bond and peel away the silicone caulk in case the molding or glass needs to be replaced for any reason.

- When working with True Lites with Divider Molding (see Mullion Lite Option 2), WalzCraft recommends applying a continuous bead of silicone caulk around the perimeter of the glass.

- When using the True Lite Retainer Groove method (see Mullion Lite Option 3), WalzCraft recommends applying a small dab of silicone caulk approximately every six inches into the grooves before inserting the retainer molding.

### Molding Options (Chapter N)

| 1 | Cut to Size Wood Retainer Mouldings | All GRF “Traditional” and “Mitered” Stile and Rail Profiles will accept wood retainer moldings in Frame Price Classes 101, 103, 108, 115, 117, 132, 301 and 303. |

- Wood Retainer can be used in place of Rubber Retainer in straight Stile and Rail parts.

- You may pin precision cut wood retainer moldings in place, to create a stationary panel for combination frame and panel doors. (Rubber retainer can be used to install glass in the frame portion.)

| 2 | #1036, #1120, #3094 Wood Retainer Molding | Designed for use as a wood retainer molding that is fastened to the rear of the ¾” [19.1mm] frame and can be trimmed to size, to accommodate materials thicker than ¼” [3.2mm]. The #1120 molding would be used for 1” [25.4mm] thick frames. |

| 3 | #1246 GRF Wood Filler Molding | The illustration shows an example of how this molding fits into the GRF groove of the Stile and Rail profile. Designed to fill the void for the GRF groove in the Stiles and Rails of frame and mullion doors. For use with ¼” [19.1mm] or 1” [25.4mm] thick doors. |

| 4 | #1312 Wood Tenon Filler Molding | The illustration shows an example of how this molding fits into the mortise of the Stile and Rail profile. Designed to fill the mortise PPGC (Panel Plow Groove Cut) of any stile and rail profile, for your custom frame requirements. For use with ¼” [19.1mm] or 1” [25.4mm] thick doors. |

| 5 | #1317, #1329, #2369, #2871 Wood Retainer Molding | Fit into the GRF cut of the Stile and Rail profile and are designed to be used with ¼” [3.2mm] materials. |

| 6 | #2090 Wood Retainer Molding | Designed for use as a wood retainer molding to accommodate ¼” [6.4mm] material for use with 1” [25.4mm] thick frames. |

| 7 | #2933, #3041, #3042 Wood Retainer Molding for True Lite Retainer Groove | Designed to be used as a wood retainer molding for true divided mullion lites. Only available with the following mullion lite patterns: LP001, LP108, LP109, LP110, LP118, LP128, LP131. Please submit requests for this application to our Customer Support Team. |

| 8 | #2671 Wood Retainer Molding | Fit into the GRF cut of the Stile and Rail profile and is designed to be used with ½” [3.2mm] materials. Designed for use with: |


- Mitered stile & rail GRF profile families: MP628, MP661, MP662, MP680, MP690, MP696, MP6104.

- All traditional and mitered Old World stile & rail GRF profiles from Section E.3 and E.11. |

---

= WalzCraft recommends using silicone caulk to secure the wood retainer molding and/or glass. Please see Notes for more information.

► For PRICING ◄ See Section B.12 in our current Wholesale Pricing Catalog.
### Ordering & Pricing Notes: Frame & Mullion Doors

#### Ordering Guidelines

1. **Order Forms**
   - Please use the Door Order Form (E-Z Form #2).

2. **Pricing**
   - Please see Section B.12 of our current Wholesale Pricing Catalog.

### Technical Notes: Frame & Mullion Doors

**Cabinet Door & Drawer Front Options (Chapter B)**

<table>
<thead>
<tr>
<th>1</th>
<th>Door Styles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Most Door Styles are available as a Frame or Mullion Door.</td>
<td></td>
</tr>
<tr>
<td>Frame or Mullion Door Styles that use Corner Blocks, require glass to be cut to their contour.</td>
<td></td>
</tr>
<tr>
<td>When ordering door Styles 2500, 2505, 2525, 3500, 3535, 7000, 7010, 7020, 7030, 7040 &amp; 7070 as Mullions, we suggest that your lite pattern be no greater than 2 wide due to the shape of the rails; 3 or more lites in the width may require custom construction.</td>
<td></td>
</tr>
</tbody>
</table>

### Convex / Concave Options (Chapter D)

1. **Available Lite Patterns**
   - The □ indicates lite patterns that are available convex/concave (curved). See Chapter D for more information.

### Functional Options (Chapter F)

1. **Hinge Boring**
   - Hinge boring is available for Frame & Mullion doors. Please see Section F.1 for additional hinge boring requirements, ordering instructions and compatibility.

### Material Options

1. **MDF Mullions for SolidTone® Finish**
   - MDF mullions are recommended with the specific intent that they be painted.
   - When ordering any of the following mullion lite patterns, WalzCraft strongly recommends using MDF mullions for SolidTone® or Primed Only for Paint applications when the door frame is solid wood: LP100, LP112, LP113, LP114, LP115, LP116, LP123, LP126, LP127, LP129, LP130, LP132, LP133, LP134, LP139, LP140, LP141, LP142, LP144, LP145, LP148, LP151, LP152, LP153.
   - MDF has lower rates of expansion and contraction than solid wood, and therefore is an excellent material for the fabrication of complex mullion lite patterns that are intended to be painted.
   - MDF lite patterns are designed and machined to have tight radius corners (1/16” radius) whenever possible.
   - When ordering MDF mullions for SolidTone® or Primed only for Paint applications, please order your door in any of the following Hybrid / MDF species from the SolidTone® availability grids in Section R.2:
     - Birch - Hybrid/MDF - Paint Grade
     - Cherry - Hybrid/MDF - Paint Grade
     - Maple-Hard - Hybrid/MDF - Natural / Standard Grade (recommended for best results)
     - Poplar - Hybrid/MDF - Paint Grade
   - MDF “Lite Pattern Charges” and “Set-Up Charges” are priced less than solid wood.
   - See Section B.12 of our current Wholesale Pricing Catalog.
   - Lite patterns not listed above would still be made from solid wood mullion stock only.

2. **MEDEX® NAUF - MDF, Raw**
   - MDF mullions are also available with moisture resistant MEDEX® NAUF - MDF, Raw.

### Miscellaneous

1. **Standard vs. True Divided Lites**
   - Mullion lite patterns are available with either standard or true divided lites, unless otherwise noted.

2. **Custom Mullion Placement**
   - Custom mullion placement is also available. Please submit drawings to our Customer Support Team to request a quote.

3. **Wood/Rubber Glass Retainer**
   - See previous pages for our wood and rubber glass retainer options and applications.

4. **Compatibility Charts**
   - Please reference our website: Resources/Technical Information.

**Notes continued on next page...**

► For PRICING ► See Section B.12 in our current Wholesale Pricing Catalog.
## Technical Notes: Frame & Mullion Doors

### Sizes / Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Center Rails</th>
<th>Mullion Strips</th>
<th>Minimum Frame Width</th>
<th>Glass Size Calculations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Frame and mullion doors over 48”H [1219.2mm] will <strong>not</strong> have a center rail unless specified by the customer.</td>
<td>For mullion strips over 28” [711.2mm] wide or high, WalzCraft recommends applying a small bead of silicone between the back of the mullion and the glass to help assure stability and prevent possible warpage.</td>
<td>Minimum width for a frame with a mullion lite pattern is 12” [304.8mm]. <strong>Minimum is based on 2¼” [57.2mm] Stiles and Rails.</strong></td>
<td>For single or multiple opening frame only doors and single or multiple opening frame &amp; mullion doors with standard lites, if wanting to order designer glass from WalzCraft with your door, WalzCraft will calculate glass size based on your door specifications. This applies to doors with straight stiles &amp; rails resulting in square or rectangular shaped glass only. See Section G.1.</td>
</tr>
<tr>
<td>2</td>
<td>Any mullion door over 60” [1524.0mm] high ordered <strong>without</strong> a center rail must be built with true divided lites to help maintain structural integrity.</td>
<td></td>
<td></td>
<td>For single opening frame only doors and single opening frame &amp; mullion doors with standard lites, if wanting to order glass from a vendor other than WalzCraft before receiving the door, please refer to our glass size calculation formula on page B.12.7. This applies to doors with straight stiles &amp; rails resulting in square or rectangular shaped glass only.</td>
</tr>
<tr>
<td>3</td>
<td>Minimum height for LP116 and LP133 is 12” [304.8mm]. Available with most Traditional GRF profiles with matching mullion stock options.</td>
<td>Minimum height for LP116 and LP133 is 12” [304.8mm]. Available with most Traditional GRF profiles with matching mullion stock options.</td>
<td>WalzCraft does <strong>not</strong> calculate glass size for frame &amp; mullion doors with true divided lites or frame only doors with shaped stiles or rails. For these styles we recommend waiting until you receive your door, then take it to your local glass supplier to have your glass cut to fit each opening.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>For single or multiple opening frame only doors and single or multiple opening frame &amp; mullion doors with standard lites, if wanting to order designer glass from WalzCraft with your door, WalzCraft will calculate glass size based on your door specifications. This applies to doors with straight stiles &amp; rails resulting in square or rectangular shaped glass only. See Section G.1.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Technical & Ordering Notes: Mullion Lite Patterns

### Mullion Lite Pattern Guidelines

<table>
<thead>
<tr>
<th></th>
<th>10MUL, 40MUL Flat Panel Door w/ Mullions</th>
<th>LP001</th>
<th>LP100, LP105, LP107, LP115, LP116, LP117, LP125, LP133, LP137, LP142, LP145</th>
<th>LP101, LP102, LP103 and LP 104</th>
<th>LP105</th>
<th>LP106</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10MUL: Lite pattern is applied to the front face of an MDF RVSCP-PR324 reversed solid center panel. 40MUL: Lite pattern is applied to the front face of a ¼” [6.4mm] Veneered Flat Panel. A lite pattern must be specified for this style. Available with most Traditional GRF profiles with matching mullion stock options.</td>
<td>All lites will be evenly spaced, unless otherwise noted. Additional design charges may apply for customer specified lite pattern configurations or placement.</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12” [304.8mm]. <strong>Minimum is based on 2½” [57.2mm] Stiles &amp; Rails.</strong> Minimum height for LP116 and LP133 is 12” [304.8mm]. Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles. Limitations apply to these mullion patterns and Applied Molding. <strong>A CAD drawing must be approved, prior to manufacturing the products.</strong></td>
<td>Minimum Frame width for these Lite Patterns is 12” [304.8mm]. <strong>Minimum is based on 2½” [57.2mm] stiles, bottom rail, and top rail at the narrowest.</strong> Available with most Traditional GRF profiles with matching mullion stock options. <strong>Not available with Mitered GRF Profiles.</strong> Limitations apply to these mullion patterns and Applied Molding.</td>
<td>Height must be equal to or greater than the width to allow one pattern or twice the width for a pattern on top &amp; bottom. <strong>Minimum is based on 2¼” [57.2mm] Stiles and Rails.</strong> Specify the Width and Height of the corner lites. <strong>Minimum size for corner lites is 2” x 2” [50.8mm x 50.8mm].</strong> Available with most Traditional GRF profiles with matching mullion stock options. <strong>Not available with Mitered GRF Profiles.</strong> Limitations apply to this mullion pattern and Applied Molding.</td>
<td></td>
</tr>
</tbody>
</table>

### Notes continued on next page...
<table>
<thead>
<tr>
<th></th>
<th></th>
<th>Frame &amp; Mullion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Technical &amp; Ordering Notes: Mullion Lite Patterns...continued</strong></td>
<td><strong>Mullion Lite Pattern Guidelines...continued</strong></td>
<td></td>
</tr>
<tr>
<td><strong>7</strong></td>
<td>LP108</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12&quot; [304.8mm]. Minimum is based on 2¼&quot; [57.2mm] Stiles and Rails. Opening height of the lite pattern must be specified, minimum height is 1&quot; [25.4mm]. Width of the lite pattern will be equal. Short pieces will be half of the height of the vertical pieces above it and have a “female” cut on the ends. Available with all ¾” [19.1mm] Traditional and 1” [25.4mm] Old World Stile and Rail Profile/Mullion Combinations; see Profile Information.</td>
</tr>
<tr>
<td><strong>8</strong></td>
<td>LP109</td>
<td>Opening height of the lite pattern must be specified, minimum height is 1&quot; [25.4mm]. Width of the lite pattern will be equal. Additional design charges may apply for customer specified lite pattern configurations or placements that vary from designs shown.</td>
</tr>
<tr>
<td><strong>9</strong></td>
<td>LP110</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12&quot; [304.8mm]. Minimum is based on 2¼&quot; [57.2mm] Stiles and Rails. Available with most Traditional GRF profiles with matching mullion stock options. Pattern consists of two center lites with 1” [25.4mm] spacing; the remaining space is equally divided to the outside.</td>
</tr>
<tr>
<td><strong>10</strong></td>
<td>LP111</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12&quot; [304.8mm]. Minimum is based on 2¼&quot; [57.2mm] Stiles and Rails. One Pattern (4 Lites): Minimum door height must be 1.5 times the door width, plus the total width of the top / bottom rail. Two Patterns (7 Lites): Minimum door height must be 2 times the door width, plus the total width of the top / bottom rail. Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles. Limitations apply to these mullion patterns and Applied Molding. A CAD drawing must be approved, prior to manufacturing the product.</td>
</tr>
<tr>
<td><strong>11</strong></td>
<td>LP112, LP130, LP132, LP138, LP152, LP153</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12&quot; [304.8mm]. Minimum is based on 2¼&quot; [57.2mm] Stiles and Rails. In order to achieve the best look, the height of door must be at least two times the width of door. Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles. Limitations apply to this mullion pattern and Applied Molding. LP112, LP130, LP132, LP152, LP153: See Material Options note for more information on MDF Mullions with a SolidTone® or Primed Only finish. A CAD drawing must be approved, prior to manufacturing the product.</td>
</tr>
<tr>
<td><strong>12</strong></td>
<td>LP113</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12&quot; [304.8mm]. Minimum is based on 2¼&quot; [57.2mm] Stiles &amp; Rails. Vertical mullion strip at top and horizontal mullion strips are fixed at 1” long. For LP113 (2) Pattern, the vertical mullion strip at bottom is also fixed at 1&quot; long. Minimum height of door must be equal to or greater than the width. For LP113 (2) Pattern, the minimum height must be at least 1¾ times the width. Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles. Limitations apply to these mullion patterns and Applied Molding. See Material Options note for more information on MDF Mullions with a SolidTone® or Primed Only finish. A CAD drawing must be approved, prior to manufacturing the products.</td>
</tr>
</tbody>
</table>

Notes continued on next page...
### Technical & Ordering Notes: Mullion Lite Patterns...continued

#### Mullion Lite Pattern Guidelines...continued

| 13 | LP114, LP134 | Minimum width for a frame with a Mullion Lite Pattern is 12" [304.8mm]. *Minimum is based on 2¼” [57.2mm] Stiles and Rails.*  
Minimum height needs to be at least 1½ times the width of the door.  
Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles.  
Limitations apply to this Mullion pattern and Applied Molding.  
See Material Options note for more information on MDF Mullions with a SolidTone® or Primed Only finish.  
A CAD drawing must be approved, prior to manufacturing the product. |
| 14 | LP118 | Minimum width for a frame with a Mullion Lite Pattern is 12" [304.8mm]. *Minimum is based on 2¼” [57.2mm] Stiles and Rails.*  
Specify the Width and Height of the corner lites. *Minimum size for corner lites is 1” x 1” [25.4mm x 25.4mm].* Additional design charges may apply for customer specified lite pattern configurations or placements. |
| 15 | LP119, LP120, LP121, LP122 | Minimum width for a frame with a Mullion Lite Pattern is 12” [304.8mm]. *Minimum is based on 2¼” [57.2mm] Stiles and Rails.*  
Corner lites must be specified at the widest & narrowest: this determines the radius of the curved piece. *Minimum at narrowest is 2” [50.8mm].*  
Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles.  
Limitations apply to these Mullion patterns and Applied Molding. |
| 16 | LP123 | Due to complexity, width dimensions for this Lite Pattern are **limited to fixed sizes**. Doors are available from 12” to 24” wide in 1” increments. Heights may vary.  
Width dimensions are based on 2¼” [57.2mm] stiles and vary given the number of lites per opening.  
Style 3020/LP123 is only available with the following Outside Edge profiles: D7, D12, D15, D17, D18, D21, D24, D32, D41, D52, D67, D93, D101, D102, D115, D118, D120.  
• There are no Outside Edge profile limitations with Style 3022/LP123.  
When ordering sizes that range between one or two templates, the frame must be constructed with non-standard part sizes to maintain the mullion pattern template size. You may increase the size of the stiles on the frame with fewer lites, or decrease the size of the stiles on the frame with the greater number of lites. *If ordering a mullion door 12½” [317.5mm] wide, you will need 2½” [63.5mm] stiles.* The top and bottom rails may also be increased by the same value to maintain aesthetics and balance proportions.  
See Material Options note for more information on MDF Mullions with a SolidTone® or Primed Only finish.  
A CAD drawing must be approved, prior to manufacturing the product. |
| 17 | LP124 | Minimum width for a frame with a Mullion Lite Pattern is 12” [304.8mm]. *Minimum is based on 2¼” [57.2mm] Stiles and Rails.*  
Specify the Width and Height of the corner lites. *Minimum size for corner lites is 1” x 1” [25.4mm x 25.4mm].* Limitations apply to Mitered GRF profiles.  
Limitations apply to these Mullion patterns and Applied Molding.  
A CAD drawing must be approved, prior to manufacturing the product. |
| 18 | LP126 | Minimum width for a frame with a Mullion Lite Pattern is 12” [304.8mm]. *Minimum is based on 2¼” [57.2mm] Stiles and Rails.*  
Diamond portion is a fixed size at 2” x 2” [50.8mm x 50.8mm].  
Height must be at least two times the width of the door.  
Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles.  
Limitations apply to these Mullion patterns and Applied Molding.  
See Material Options note for more information on MDF Mullions with a SolidTone® or Primed Only finish.  
A CAD drawing must be approved, prior to manufacturing the product. |

See Material Options note for more information on MDF Mullions with a SolidTone® or Primed Only finish.  
A CAD drawing must be approved, prior to manufacturing the product.  

Notes continued on next page...
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical &amp; Ordering Notes: Mullion Lite Patterns...continued</td>
<td>Mullion Lite Pattern Guidelines...continued</td>
<td></td>
</tr>
<tr>
<td><strong>Mullion Lite Pattern Guidelines...continued</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>LP127</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12&quot; [304.8mm]. Minimum is based on 2 ¼&quot; [57.2mm] Stiles and Rails. For LP127 - 4 Lites, minimum height of the door must be greater than the width. For LP127 - (2) Patterns - 7 Lites, minimum height must be at least 2 times the width of the door. Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles. Limitations apply to this mullion pattern &amp; Applied Molding. See Material Options note for more information on MDF Mullions with a SolidTone® or Primed Only finish. A CAD drawing must be approved, prior to manufacturing the product.</td>
</tr>
<tr>
<td>20</td>
<td>LP128</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12&quot; [304.8mm]. Minimum is based on 2 ¼&quot; [57.2mm] Stiles &amp; Rails. Opening height of top &amp; bottom lites must be specified, minimum of 1&quot;. Width of top &amp; bottom lites will be equal. Width of center lite pattern will consist of two center lites with 1&quot; [25.4mm] spacing. The remaining space on either side will be equally divided. Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles. Limitations apply to this mullion pattern and Applied Molding.</td>
</tr>
<tr>
<td>21</td>
<td>LP129</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12&quot; [304.8mm]. Minimum is based on 2 ¼&quot; [57.2mm] Stiles and Rails. Minimum height of door must be equal to or greater than the width. Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles. Limitations apply to this mullion pattern and Applied Molding. See Material Options note for more information on MDF Mullions with a SolidTone® or Primed Only finish. A CAD drawing must be approved, prior to manufacturing the product.</td>
</tr>
<tr>
<td>22</td>
<td>LP131</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12&quot; [304.8mm]. Minimum is based on 2 ¼&quot; [57.2mm] Stiles and Rails. Opening height of top &amp; bottom lites must be specified, minimum of 1&quot; [25.4mm]. Width of top &amp; bottom lites will be equal. Width of center lite pattern will consist of two center lites with 1&quot; [25.4mm] spacing. The remaining space on either side will be equally divided. Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles. Limitations apply to this mullion pattern and Applied Molding.</td>
</tr>
<tr>
<td>23</td>
<td>LP136</td>
<td>Minimum size for a frame with this Mullion lite pattern is 12&quot;W x 19&quot;H [304.8mm x 482.6mm]. Minimum is based on 2 ¼&quot; [57.2mm] Stiles and Rails. Horizontal mullion will be centered on opening height. Width of center consists of two ¾&quot; [15.9mm] wide lites with the remaining space on either side being equally divided. Mullions are ½&quot; [15.9mm] wide with the top left/right vertical Mullions widening to ¾&quot; [23.8mm]. Only available with the SR100GRF and SR123GRF stile &amp; rail profiles. A CAD drawing must be approved, prior to manufacturing the product.</td>
</tr>
<tr>
<td>24</td>
<td>LP139</td>
<td>Minimum width for a frame with a Mullion Lite Pattern is 12&quot; [304.8mm]. Minimum is based on 2 ¼&quot; [57.2mm] Stiles and Rails. Minimum door height needs to be at least the width of the door plus the width of the bottom rail. Square portion is a fixed size with a 2½&quot; x 2½&quot; [63.5mm x 63.5mm] opening. Drawing shows the horizontal mullion strip dividing the opening at an approximate 30/70 ratio. See Material Options note for more information on MDF Mullions with a SolidTone® or Primed Only finish.</td>
</tr>
<tr>
<td>No.</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>LP140</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>LP141</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>LP143</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>LP144</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>LP148</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>LP149</td>
<td></td>
</tr>
</tbody>
</table>

**Technical & Ordering Notes: Mullion Lite Patterns...continued**

**Mullion Lite Pattern Guidelines...continued**

- Minimum width for a frame with a Mullion Lite Pattern is 12" [304.8mm]. _Minimum is based on 2¼" [57.2mm] Stiles and Rails._
- Minimum height of the door must be at least two times the width of door.
- Available with _most_ Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles.
- Limitations apply to this mullion pattern and Applied Molding.
- See _Material Options_ note for more information on MDF Mullions with a SolidTone® or Primed Only finish.

**Corner lite are a fixed size with 2" x 2" [50.8mm x 50.8mm] openings.**

- Minimum width for a frame with a Mullion Lite Pattern is 12" [304.8mm]. _Minimum is based on 2¼" [57.2mm] Stiles and Rails._
- Minimum height of the door must be at least 1½ times the width.
- Available with _most_ Traditional GRF profiles with matching mullion stock options.
- Limitations apply to Mitered GRF profiles.
- Limitations apply to this mullion pattern & Applied Molding.
- See _Material Options_ note for more information on MDF Mullions with a SolidTone® or Primed Only finish.

**A CAD drawing must be approved, prior to manufacturing the product.**

- Minimum width for a frame with a Mullion Lite Pattern is 12" [304.8mm]. _Minimum is based on 2¼" [57.2mm] Stiles and Rails._
- Specify the width and height of the corner lites. _Minimum size for corner lites is 1" x 1" [25.4mm x 25.4mm]._
- Specify height of full width horizontal lites.
- Width of center lites will match width of lites at top and bottom.
- Additional design charges may apply for customer specified lite pattern configurations or placements.

**A CAD drawing must be approved, prior to manufacturing the product.**

- Minimum width for a frame with a Mullion Lite Pattern is 12" [304.8mm]. _Minimum is based on 2¼" [57.2mm] Stiles and Rails._
- Minimum height needs to be at least 1¼ times the width of the door.
- Available with _most_ Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles.
- Limitations apply to this mullion pattern and Applied Molding.
- See _Material Options_ note for more information on MDF Mullions with a SolidTone® or Primed Only finish.

**A CAD drawing must be approved, prior to manufacturing the product.**

- Horizontal mullion strips are fixed at 1" long.
- Minimum height of door must be equal to or greater than the width.
- See _Material Options_ note for more information on MDF Mullions with a SolidTone® or Primed Only finish.

**A CAD drawing must be approved, prior to manufacturing the product.**

- Minimum width for a frame with a Mullion Lite Pattern is 12" [304.8mm]. _Minimum is based on 2¼" [57.2mm] Stiles and Rails._
- Height of door must be greater than the width.
- Available with _most_ Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles.
- Limitations apply to this mullion pattern and applied molding.

**Notes continued on next page...**

---

**For PRICING** ▶ See Section B.12 in our current Wholesale Pricing Catalog.
### Frame & Mullion

#### Technical & Ordering Notes: Mullion Lite Patterns...continued

#### Mullion Lite Pattern Guidelines...continued

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
</table>
| 31 LP150 | Minimum width for a frame with a Mullion Lite Pattern is 12" [304.8mm]. *Minimum is based on 2¼" [57.2mm] Stiles and Rails.* 
Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles. 
Limitations apply to this mullion pattern and Applied Molding. 
A CAD drawing must be approved, prior to manufacturing the product. |
| 32 LP151 | Minimum width for a frame with a Mullion Lite Pattern is 12" [304.8mm]. *Minimum is based on 2¼" [57.2mm] Stiles and Rails.* 
In order to achieve the best look, the height of door must be at least two times the width of the door. 
Available with most Traditional GRF profiles with matching mullion stock options. Limitations apply to Mitered GRF profiles. 
Limitations apply to this mullion pattern & Applied Molding. 
See Material Options note for more information on MDF Mullions with a SolidTone® or Primed Only finish. 
A CAD drawing must be approved, prior to manufacturing the product. |

### Profile Options (Chapter E)

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
</table>
| 1 Stile & Rail Profiles | Miter Profiles: Please see the Miter Compatibility charts on our website: [Resources/Technical Information](#) for lite pattern compatibility. 
Traditional/Old World Profiles: Please see the Stile & Rail Compatibility charts on our website: [Resources/Technical Information](#) for lite pattern compatibility. |