



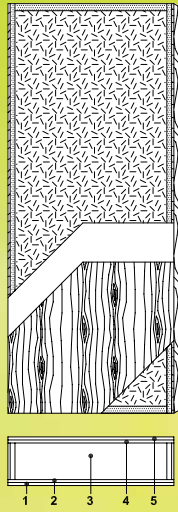
COMMERCIAL AND ARCHITECTURAL
DOOR MANUFACTURER

OPENINGS TO THE WORLD

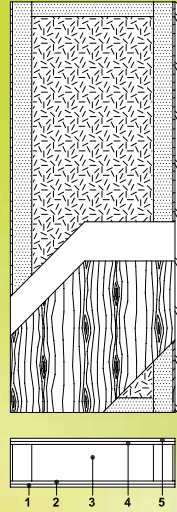
Technical **Information**

5 PLY

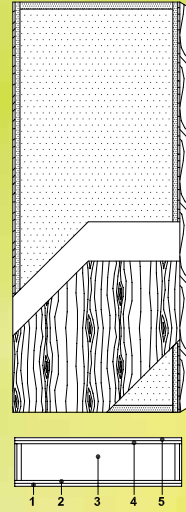
COMMERCIAL and ARCHITECTURAL DOORS



5-PC-CE
5-PC-ME



5-8300-CE
5-8300-ME



5-LSL-CE
5-LSL-ME

| | | | |
|--|--|--|---|
| Type | Particleboard core (interior use). | Particleboard core (interior use). | Laminated strand lumber core (interior use). |
| In conformity with industry standards | ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 ASTM D5456-09 ANSI A208.1 | ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 ASTM D5456-09 ANSI A208.1 | ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 ASTM D5456-09 |
| Thickness | 1-3/8" (35 mm) – 1-3/4" (44 mm). 2" (51 mm) – 2-1/4" (57 mm). | 1-3/4" (44 mm). | 1-3/8" (35 mm) – 1-3/4" (44 mm). 2" (51 mm) – 2-1/4" (57 mm). |
| Maximum size | 48" x 120" (1219 mm x 3048 mm). | 48" x 120" (1219 mm x 3048 mm). | 48" x 120" (1219 mm x 3048 mm). |
| Stiles | CE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). ME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL). | CE: 7/16" (11 mm) wood (mill option) laminated to 4" (102 mm) structural composite lumber (SCL). ME: 7/16" (11 mm) hardwood laminated to 4" (102 mm) structural composite lumber (SCL). | CE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) structural composite lumber (SCL). ME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) structural composite lumber (SCL). |
| Rails | 1-7/16" (36 mm) structural composite lumber (SCL). | 3" (76 mm) structural composite lumber (SCL). | 1-7/16" (36 mm) structural composite lumber (SCL). |
| Core | Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1, bonded to the stiles and rails. | Particleboard core with a density of 28-32 PCF (449-513 kg/m ³) LD-1, bonded to the stiles and rails. | Structural composite lumber (SCL) with a density of 38 PCF (609 kg/m ³) bonded to the stiles. |
| Adhesive | Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L. | Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L. | Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L. |
| Face Options | Wood veneer or MDO bonded to a composite crossband. • LD-2 core. • [Door 1-3/4" – (44 mm)] 20 minute rating neutral or positive pressure. Refer to <i>Technical space</i> of our Website for details. • 15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) structural composite lumber (SCL). • Bifold. | Wood veneer or MDO bonded to a composite crossband. • LD-2 core. • 20 minute rating neutral or positive pressure. Refer to <i>Technical space</i> of our Website for details. • 15/16" (24 mm) wood (mill option) or hardwood laminated to 4" (102 mm) structural composite lumber (SCL). | Wood veneer or MDO bonded to a composite crossband. • [Door 1-3/4" – (44 mm)] 20 minute rating neutral or positive pressure. Refer to <i>Technical space</i> of our Website for details. • 15/16" (24 mm) wood (mill option) or hardwood laminated to 1" (25 mm) structural composite lumber (SCL). |
| Lite and louver openings | • Wood louvers not permitted in 20 minute labeled doors. • Cut-out must not exceed 40% of door area. • Minimum 5" (127 mm) from stiles or rails. • Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to <i>Technical space</i> of our Website for details. | • Wood louvers not permitted in 20 minute labeled doors. • Minimum 5" (127 mm) from stiles or rails. • Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to <i>Technical space</i> of our Website for details. | • Wood louvers not permitted in 20 minute labeled doors. • Minimum 5" (127 mm) from stiles or rails. • Minimum 1-1/2" (38 mm) from cut-out to cut-out. Refer to <i>Technical space</i> of our Website for details. |
| Notes | Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements. | Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements. | Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements. |
| Warranty | Life of original installation. See our complete warranty for details. | Life of original installation. See our complete warranty for details. | Life of original installation. See our complete warranty for details. |
| Factory finish | UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC. | UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC. | UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC. |
| Environmental description | Recycled content (LEED MRc4.1, 4.2). | Recycled content (LEED MRc4.1, 4.2). | Recycled content (LEED MRc4.1, 4.2). |



Available in our 5-PC-BE series



Available in our 5-8300-BE series

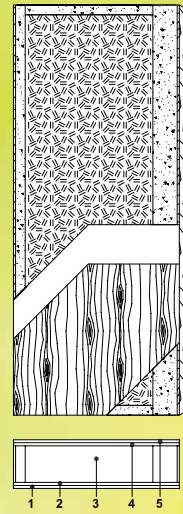
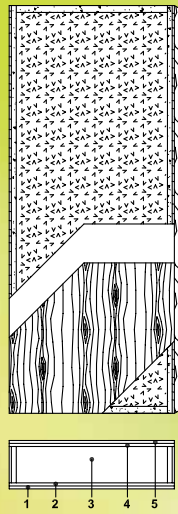
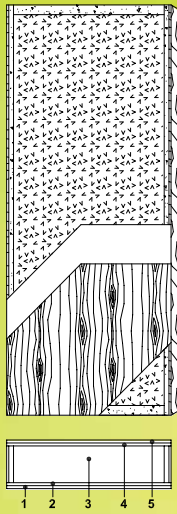


Available in our 5-LSL-BE series



More information on LEED® credits per door series are available in both of our LEED® and ENVIRO DESIGN brochures. Refer to *Technical space* of our Website or ask for printed documents.

For structural composite lumber (SCL), Lambton Doors uses laminated strand lumber (LSL) with a density of 38 PCF (609 kg/m³).



5-FD45-CE
5-FD45-ME

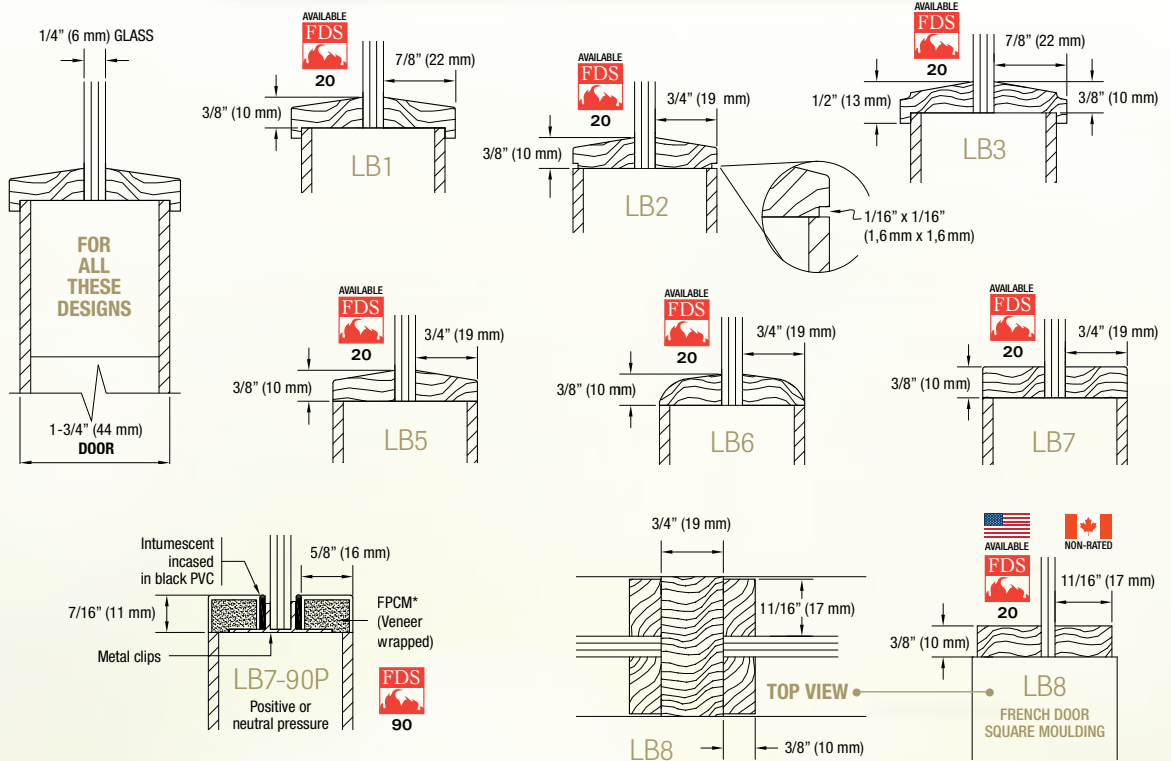
5-FD60/90-CE
5-FD60/90-ME

5-AG45-CE
5-AG45-ME

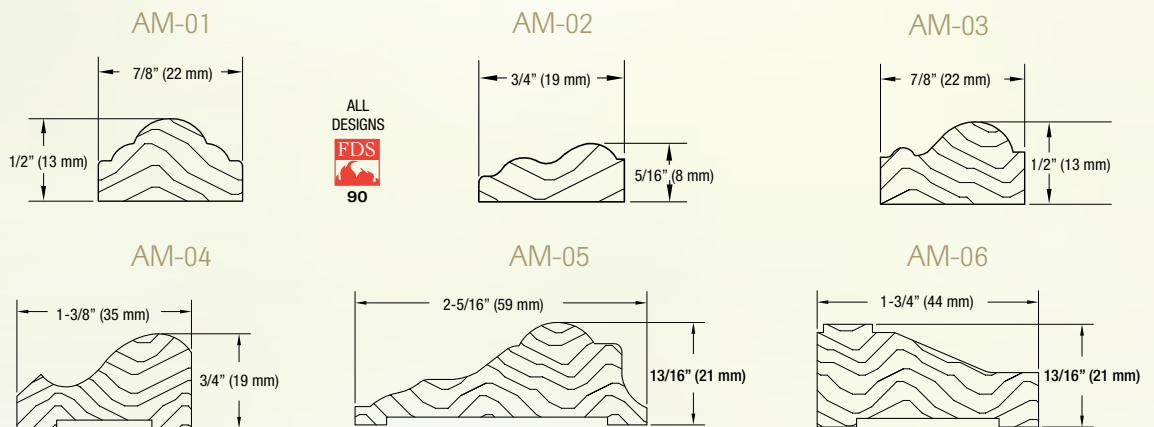
| | | |
|--|--|---|
| Mineral core (interior use). | Mineral core (interior use). | Aggrifiber core (interior use). |
| ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 | ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 | ARCHITECTURAL WOODWORK STANDARDS-ED.1 W.D.M.A. SERIES I.S. 1-A-2004 |
| 1-3/4" (44 mm). | 1-3/4" (44 mm). | 1-3/4" (44 mm). |
| 48" x 120" (1219 mm x 3048 mm). | 48" x 120" (1219 mm x 3048 mm). | 48" x 96" (1219 mm x 2438 mm). |
| CE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) proprietary material (FPCM*). ME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) proprietary material (FPCM*). | CE: 7/16" (11 mm) wood (mill option) laminated to 1" (25 mm) proprietary material (FPCM*). ME: 7/16" (11 mm) hardwood laminated to 1" (25 mm) proprietary material (FPCM*). | CE: 7/16" (11 mm) wood (mill option) laminated to proprietary material (FPCM*). ME: 7/16" (11 mm) hardwood laminated to proprietary material (FPCM*). Lock stile: 5" (127 mm) proprietary material (FPCM*). Hinges stile: 2" (51 mm) proprietary material (FPCM*). |
| 2" (51 mm) proprietary material (FPCM*). | Top: 1-1/2" (38 mm) proprietary material (FPCM*). Bottom: 1-1/2" (38 mm) proprietary material (FPCM*). | 2" (51 mm) proprietary material (FPCM*). |
| Non-combustible mineral core. | Non-combustible mineral core. | Low combustion proprietary agrifiber core. |
| Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L. | Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L. | Type I (waterproof); PVA (no urea formaldehyde); VOC < 0.683 g/L. |
| Wood veneer or MDO bonded to a composite crossband. • Neutral or positive pressure. • Blocking for hardware. Refer to <i>Technical space</i> of our Website for details. | Wood veneer or MDO bonded to a composite crossband. • Neutral or positive pressure. • Blocking for hardware. Refer to <i>Technical space</i> of our Website for details. | Wood veneer or MDO bonded to a composite crossband. • Neutral or positive pressure. • Blocking for hardware. Refer to <i>Technical space</i> of our Website for details. |
| Cut-out for lite and louver with size limitations. Refer to <i>Technical space</i> of our Website for details. | Cut-out for lite and louver with size limitations. Refer to <i>Technical space</i> of our Website for details. | Cut-out for lite and louver with size limitations. Refer to <i>Technical space</i> of our Website for details. |
| Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements. | Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements. | Stile and rail dimensions shown are rough sizes, before trimming. Dimensions will vary due to prefit requirements. |
| Life of original installation. See our complete warranty for details. | Life of original installation. See our complete warranty for details. | Life of original installation. See our complete warranty for details. |
| UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC. | UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC. | UV Finishing System. Stain, clearcoat, opaque and primed finish available. Custom color matching available. Seal top and bottom standard. No VOC. Recycled content (LEED MRc4.1, 4.2). Rapidly renewable material (LEED MRc6). |
| Available in our 5-FD45-BE series | Available in our 5-FD60/90-BE series | Available in our 5-AG45-BE series |



STANDARD VISION WOOD LITE BEAD DESIGNS



STANDARD APPLIED MOULDING DESIGNS



Lambton Doors can match or customize to any moulding design.



Inset panel imitation | Recessed moulding



Inset panel | Shaker style

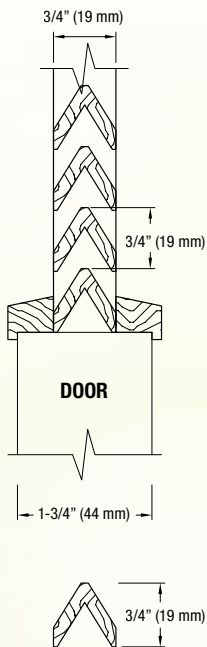


FDS: Fire Door System + Rating

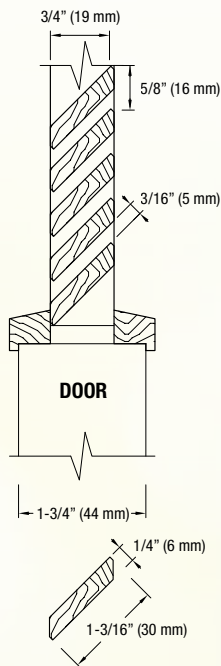
20 = 20 minute (Positive pressure) / 90 = 90 minute (Positive pressure) / NP = Neutral pressure

LOUVER MODELS

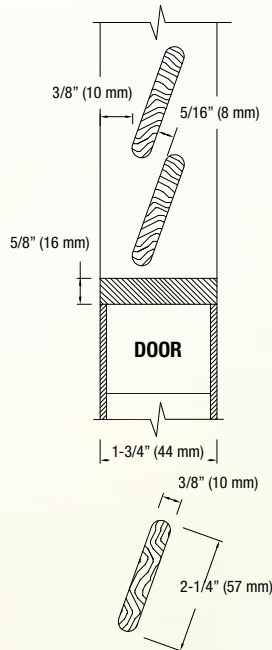
Chevron



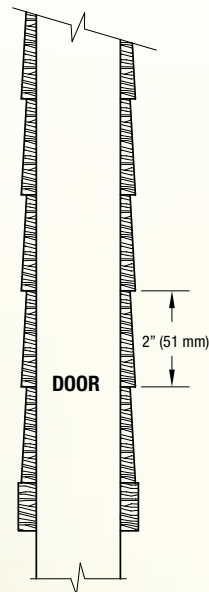
Slat



Architectural



False



RATINGS AVAILABLE
WITH METAL LOUVERS
(not shown)
UP TO 90 MINUTE

LEAD LINED DOORS

RECOMMENDED THICKNESSES of LEAD SHIELDING for X-RAY ROOMS

| INDUSTRY RECOMMENDATIONS | | | LAMBTON DOORS RECOMMENDATIONS | |
|---|-------------------|-------|--|--|
| X-Rays generated by peak voltages not exceeding | Minimum thickness | | Corresponding weight of lead lbs./sq. ft. | Lead thickness |
| | mm | in | | |
| 75 kV | 1.0 | 0.039 | 2-1/2 | Two sheets of 1/32" (0.0625 in total) |
| 100 kV | 1.5 | 0.059 | 4 | |
| 125 kV | 2.0 | 0.079 | 5 | Two sheets of 1/16" (0.125 in total) |
| 150 kV | 2.5 | 0.098 | 7 | |
| 175 kV | 3.0 | 0.118 | 8 | Two sheets of 1/8" (0.25 in total) |
| 200 kV | 4.0 | 0.157 | 10 | |
| 225 kV | 5.0 | 0.197 | 13 | |

LEAD LINED DOOR DETAILS

| | |
|--------------------------------|---|
| LEAD THICKNESSES AVAILABLE | 1/32" - 1/16" - 1/8" Two sheets maximum |
| FIRE RATING AVAILABLE | 20 minute, neutral pressure only |
| LITE OPENING Non Fire-Rated | - Maximum 1,628 m ² (2524 sq. in.) - Wood beads or metal lite kit model #115-L2 |
| LITE OPENING Fire-Rated | - Maximum 1,628 m ² (2524 sq. in.) - Metal lite kit only model # 115-L1 |

Available with LSL core only.

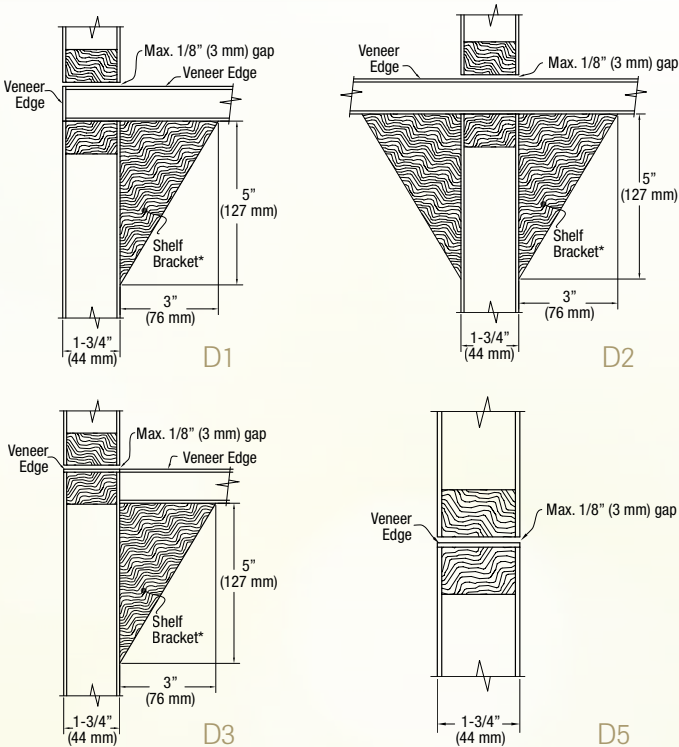
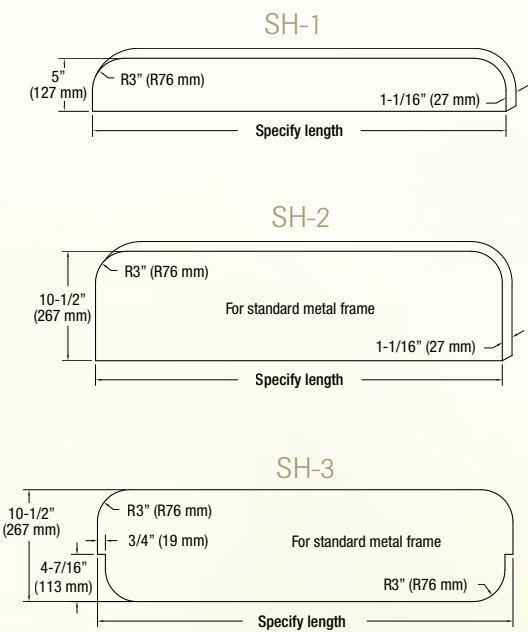
Lambton Doors recommends the use of heavy duty hinges.

Maximum lead supply by Lambton Doors is two sheets of thickness 1/8" (16 lbs/sq. ft.) per door.

For other options, please refer to our Website.

CALL OUR CUSTOMER SERVICE DEPARTMENT FOR MORE INFORMATION

DUTCH DOOR STANDARD SHELF MODELS WITH MACHINING



* 2 Shelf Brackets supplied each side

ACOUSTICAL (STC) DOORS

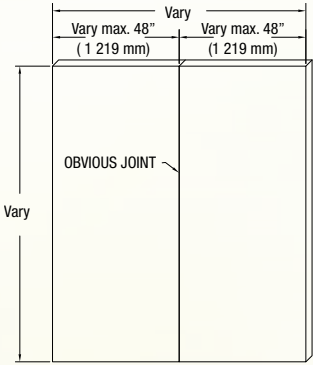
| STC RATING | DOOR THICKNESS | MAXIMUM FIRE RATING | GLAZING TYPE | GASKET SYSTEM |
|------------|------------------|---------------------|---|--|
| 27 | 1-3/4 in (44 mm) | 20 min. P.P. | Yes STC rating will be affect | Pemko products: Double row S88 SiliconSeal™ gasket, 434ARL drop seal and 2005T threshold |
| 31 | 1-3/4 in (44 mm) | | | |
| 32 | 1-3/4 in (44 mm) | 90 min. P.P. | | |
| 35 | 1-3/4 in (44 mm) | 20 min. N.P. | | |
| 35 | 1-3/4 in (44 mm) | 90 min. P.P. | | |
| 37 | 1-3/4 in (44 mm) | Non Fire-Rated | 1/4" (6 mm) Tempered Glass | |
| 43 | 1-3/4 in (44 mm) | | 3/4" (19 mm) Sound Tempered Thermo Glass | |
| 44 | 1-3/4 in (44 mm) | | NA | |
| 45 | 1-3/4 in (44 mm) | | | |
| 50 | 2-1/4 in (57 mm) | | | |
| | | | | Zero International: Spring #119W, Weatherstrip #475 and rabetted threshold #564 |
| | | | | Pemko products: Double row S88 SiliconSeal™ gasket, Weatherstrip 312R, 434ARL drop seal and 2005T threshold |

All acoustical doors are available UF FREE and/or certified FSC.

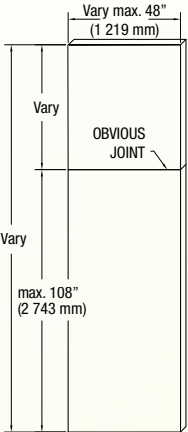


OVERSIZE DOORS

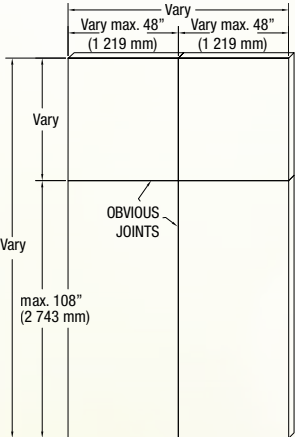
Over 48" wide



Over 120" long

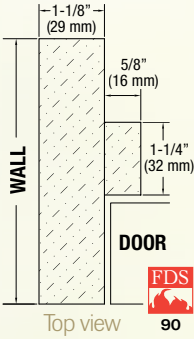


Over 48" wide and over 120" long

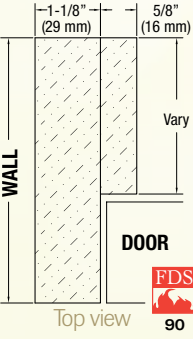


STANDARD JAMBS and CASINGS

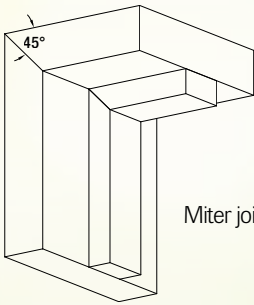
T-Jamb TJ



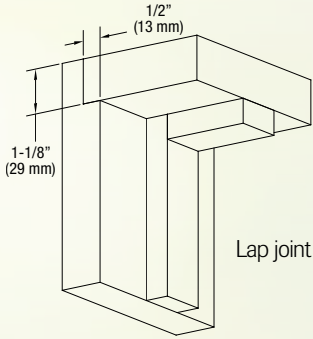
Rabbet Jamb RJ



Jamb Assembling



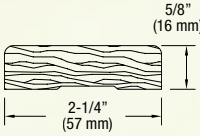
Miter joint



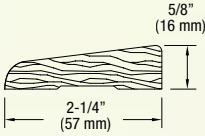
Lap joint

Custom jambs and sidelites also available. Our engineered wood frame is built to be strong, solid and stable with no effect from moisture variation rate.

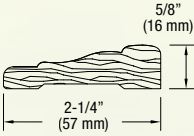
CP-01



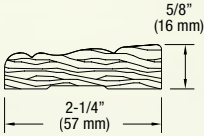
CP-02



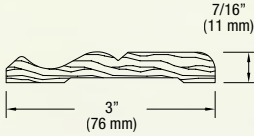
CP-03



CP-04



CP-05



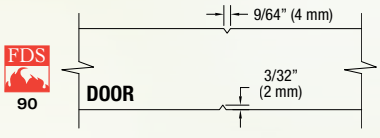
REPAIR KIT

A Repair Kit for your order is available. Please contact our Customer Service Department for information.

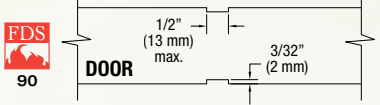


GROOVES AND INLAYS

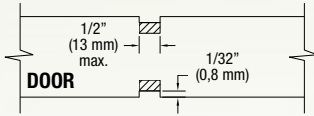
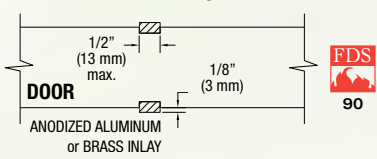
V Groove



U Groove



Metal Inlays





COMMERCIAL AND ARCHITECTURAL
DOOR MANUFACTURER

OPENINGS TO THE WORLD

The mission of Lambton Doors is to develop, manufacture and sell high quality and value added interior wood doors and frames, of standard and ecological types, for the commercial, architectural and institutional markets.

These doors and frames meet the various North American building codes, as well as environmental codes when applicable, while respecting the customers' requirements.

Customer Service

Telephone

418 486.7401

1 800 463.3124 (CAN)

1 800 363.2248 (USA)

Fax

418 486.7381

1 800 561.7443 (CAN/USA)

Web

www.lambtondoors.com

info@lambtondoors.com

Architects and Designers

You can also reach us directly at

architect.designer@lambtondoors.com

Mail

235, 2nd Avenue, Lambton

(Quebec) G0M 1H0 Canada



Active member
of the planetary
ecological movement



We believe in
a transformed
built environment
contributing to
a sustainable future.



The mark of
responsible forestry

We believe in
Good Forestry
Stewardship
Practices.

The FSC® logo identifies products which contain wood from well-managed forests certified in accordance with the rules of the Forest Stewardship Council® A.C.