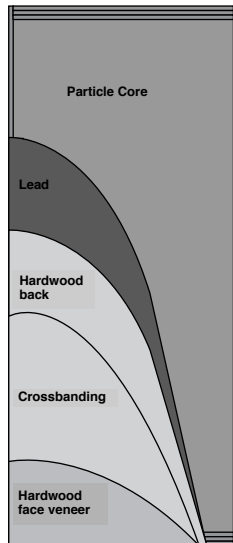


LL Lead Lined FD 1/3 Hour Door

(Neutral or Category B Positive Pressure)

See text below
for Stile and Rail
dimensions



Algoma's Lead Lined architectural door provides hospitals and labs with a handsome appearance while it protects against X-rays.

Lead Lined doors are made with a particle core or SLC core. Lead is then applied to both sides of this core to a total thickness from 1/16" to 1/4".

Solid lumber stiles and rails are securely bonded to this core. To ensure strength, rigidity and freedom from telegraphing of core parts, this unitized core is then sanded before pressing a lead sheet and 3-ply skin on each side of the core assembly. This makes a high quality base for fine hardwood veneers and composite overlays for solid color finishes.

Algoma only uses skins with face veneers at least .020" (0.5mm) thick at 12% moisture content.

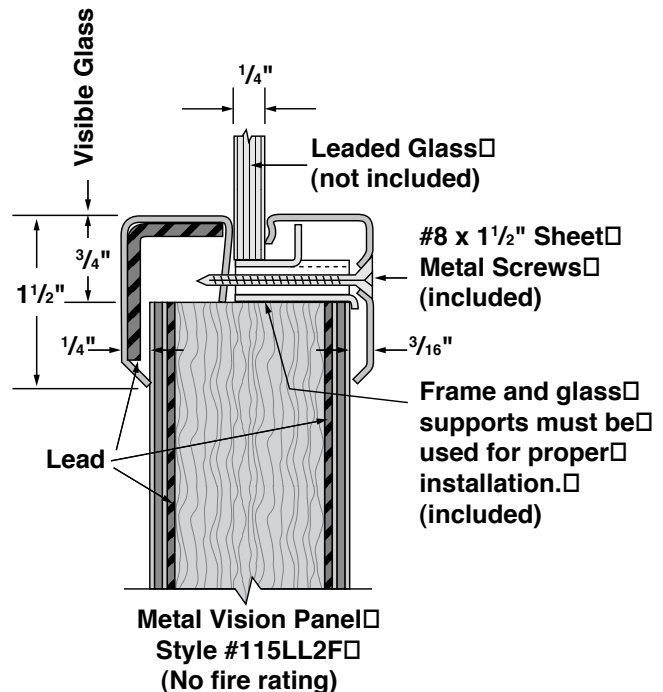
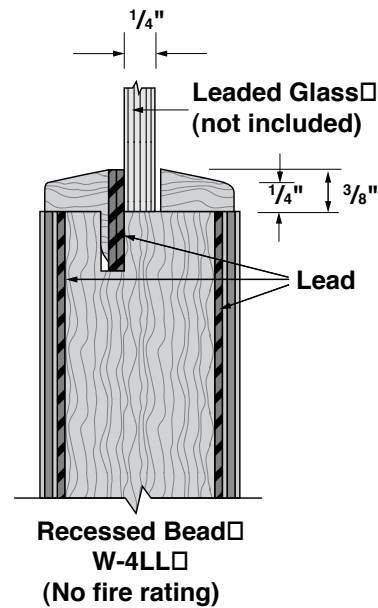
Product Features

Thickness	1 3/4" (44mm) or 2 1/4" (57mm). Available FD 1/3 hour labeled with up to 1/8" (3.2mm) lead.
Maximum size	Available prefit up to 4'0" x 10'0" (1219 x 3048mm). In FD 1/3 hour, 4'0" x 8'0" (1219 x 2438mm) is maximum for singles. Pairs available up to 8'0" x 10'0" (2438 x 3048mm) non-labeled; 8'0" x 8'0" (2438 x 2438mm) 1/3 hour labeled
Stiles (Edge bands)	1 3/4" (44mm) prior to factory trimming, glued to core. Alternates: ME—same species or CE—compatible edges.
Special edge treatments	To reduce edge damage, polymer edges available.
Top & bottom rails	1 3/8" hardwood
Core	Particleboard core or low density wood blocks, kiln dried, not more than 2 1/2" wide, random lengths, joints staggered conform to ANSI A208.1-1993, TYPE 1, GRADE LD-2 covering mat-formed particleboard.
Faces	All foreign and domestic species, medium density overlay (MDO) and most low sheen .050 thickness High Pressure Decorative Laminates. Faces are a minimum of 1/50" (0.5mm) at 12% moisture content. All faces to be per WDMA I.S.1-A face grades unless otherwise specified.
Adhesives	Doors constructed using water-resistant adhesives (Type 2).
Veneer matching	Available in pairs, sets or matching transoms (non-labeled).
Details	Special lead lined lite available not to exceed 40% of door area or 54" (1372mm) in length. Lead lined vision panels available. Lites, louvers and vision panels not available in fire rated doors.
Lead	From 1/32" (.79mm) to 1/8" (3.2mm) lead applied to each side of core under the 3 plies of veneer (1/16" [1.6mm] to 1/4" [6.4mm] total lead thickness). Maximum total lead thickness 1/8" (3.2mm) for FD 1/3 hour.
Machining	Available with hinge and lock machining as well as rabbets, holders, drop seals, pivots, etc. Door size and weight should be considered when determining hardware requirements.
Finishing	Available in finishes with performance characteristics equivalent to AWI System TR-6, standard or custom colors. Also available primed, sealed, or sealed top and bottom edges only. Opaque finish (OP-6) on medium density overlay only.
Warranty	For interior, full warranty for life of original installation.
Standards met or exceeded	WDMA I.S.1-A Series, ARCHITECTURAL WOOD FLUSH DOORS. Architectural Woodwork Quality Standards Section 1300, Architectural Flush Doors and Section 1500, Factory Finish.
Special services	Provides detention security rating of Grade #40 with ASTM Impact Test F 476.
Positive Pressure	Category B: Singles and pairs require a category G edge seal applied to the frame. Pairs also require a category G edge seal applied to one of the meeting edges.

LL Lead Lined FD 1/3 Hour Door

COLUMN	1
FEATURE	UL
MAXIMUM OPENING SIZE	Singles: 4'0" x 8'0" (1219 x 2438mm). Maximum total lead thickness 1/8" (3.2mm). Pairs: 8'0" x 8'0" (2438 x 2438mm) with a lead lined astragal.
FACES	All foreign and domestic species, medium density overlay (MDO) and most low sheen .050 thickness High Pressure Decorative Laminates. Faces are a minimum of 1/50" (0.5mm) at 12% moisture content. All faces to be per WDMA I.S.1-A face grades unless otherwise specified
STILES (VERTICAL EDGES) AND RAILS	All doors have either same species or compatible outers. Up to 1 1/4" (35mm) rails. Plastic laminate applied edges after faces.
MAXIMUM WOOD BEADED LITE	Not allowed.
MAXIMUM METAL VISION PANEL (Visible glass)	Not allowed.
MAXIMUM LOUVER SIZE	Not allowed.
HINGES (Heavy weight hinges or pivots are recommended)	Ball bearing steel mortised, half or full surfaced 4 1/2" x 4 1/2" x .134" (114.3 x 114.3 x 3.4mm) to 8'0" (2438mm). Anchor hinges allowed.
LOCKSETS	All listed cylindrical, mortise, unit, and hospital push/pull to 5" (127mm) backset.
PIVOTS	Top, intermediate & bottom must be listed offset. Rixon's #180, 280, 380, 480, FM19, 219, T117, T117 1/4, Unichecks 65 thru 68, or equal. Others as approved, including pocket pivots.
CLOSERS	UL listed surface type.
FIRE EXIT HARDWARE (Allowed with vision panel if non-interfering)	Singles: Mortise, rim, or surface vertical rods.
OTHER PAIR HARDWARE	Not allowed.

Standard Lite Opening Details For Non-Labeled Lead Lined Doors



Maximum trim: 3/4" (19mm) with standard rail.

Undercut: Maximum undercut, 3/4" (19mm).

Door Bottoms: Any listed surface or concealed.

Viewers: UL up to 1" (25mm).

Edges: Polymer or laminated lumber edges allowed on doors where edge damage is likely.

Electric Raceway: Available with label on all doors.

Note: Door size and weight should be considered when determining hardware requirements.