

COMMERCIAL DOOR



Commercial Door

COMMERCIAL DOOR

The Sierra Pacific Commercial Door features the durability necessary to weather heavy foot traffic combined with the aesthetic options required for today's exceptional architecture.

Create your signature design with clad colors and custom simulite patterns. Add a lockrail for emphasis or to accommodate hardware. Enhance the interior of your building with the warmth and beauty of our Douglas Fir door.

With substantial proportions, heavy-duty hinges, durable extruded aluminum clad or Douglas Fir exteriors and endless design options, the Sierra Pacific Commercial Door is the logical choice for your next commercial project.



Commercial Door



Commercial Door

COMMERCIAL DOOR



Commercial Door Standard Features

Frame and Panel Interior

1 Frame and panel components are manufactured from kiln-dried, preservative-treated Douglas Fir. Interior surfaces are unfinished clear wood ready to prep for stain or paint. An optional factory-applied interior prime coat is available.

2 Panel stiles and rails are manufactured from 1 3/4" thick, kiln-dried, preservative-treated Douglas Fir. The panel rails are solid material and engineered for additional strength and stability. The panel stiles are laminated and engineered. Panel stiles and rails are connected with heavy-duty 5/8" x 4" straight fluted dowels secured with exterior glue. Stiles are 5 5/8" wide. Top rails are 6 13/16" and bottom rails are 12" wide.

Aluminum Clad Exterior

Frame

3 All exposed exterior surfaces of our frame head and jambs are covered with .062" extruded aluminum (one of the thickest on the market) available in a palette of 35 Heritage, 5 Metallic, 5 Pearl Metallic, 6 Weathered and 3 Anodized Collection

colors, as well as custom colors finished to meet AAMA 2604 specifications. AAMA 2605 finishes are available upon request. Multiple exterior colors can be used in single units to suit any architectural design.

4 Extruded aluminum frame corners are sealed with silicone and foam pads and mechanically fastened.

A continuous extruded aluminum nailing flange is an integral part of the frame extrusion – stout and watertight.

The exterior of the frame clad is designed to accept retrofit trim systems or clad brickmould.

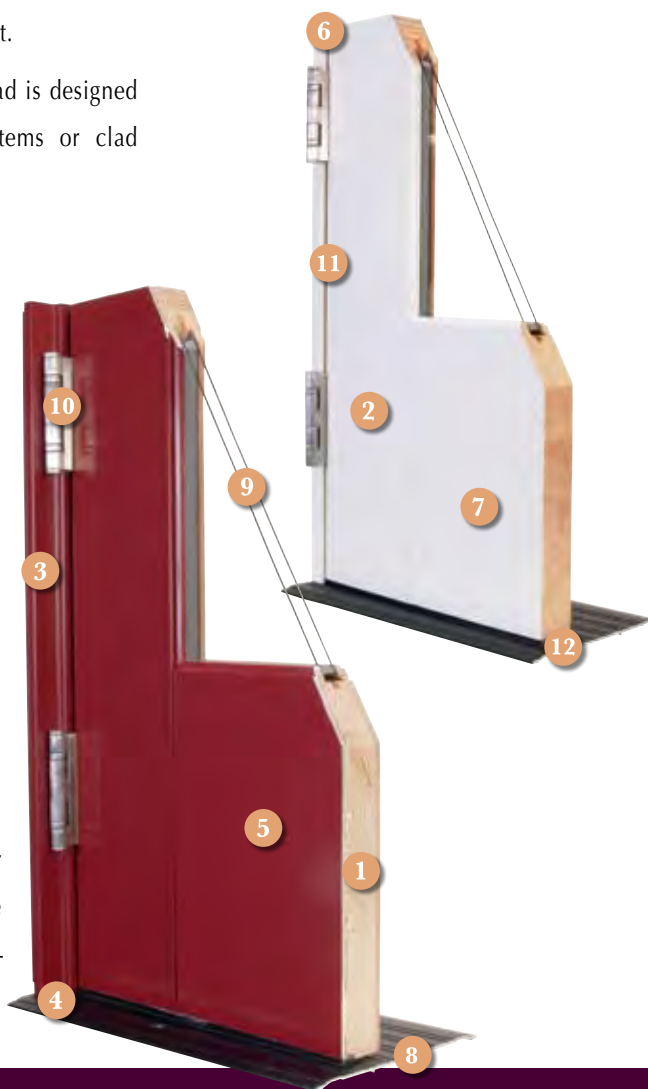
Panel

5 Panels are covered with .075" extruded aluminum (one of the thickest on the market) available in a palette of 35 Heritage, 5 Metallic, 5 Pearl Metallic, 6 Weathered and 3 Anodized Collection colors, as well as custom colors finished to meet AAMA 2604 specifications. AAMA 2605 finishes are available upon request. Multiple exterior colors can be used in single units to suit any architectural design.

Wood Exterior

Frame

6 Frame components are manufactured from kiln-dried, preservative-treated Douglas Fir with a factory-applied latex primer or clear exterior. All units with exterior trim (brickmould, stucco brickmould or S4S) feature factory-applied flexible flashing on sides and head.



Options & Accessories

Panel

7 Wood exterior panel components are manufactured from kiln-dried, preservative-treated Douglas Fir available with a factory-applied latex primer or clear exterior.

Sill

8 The Commercial Door features an extruded, bronze-tone, low profile, ADA-compliant sill.

Jamb Widths

The basic jamb widths for the Commercial Door are 4 9/16" and 6 9/16". Factory-applied interior jamb extensions are available to accommodate other jamb widths.

Glazing

9 Available in either single or insulated configurations with tempered glass. Insulated units are 3/4" overall, separated by 1/2" TrueWARM® Edge structural foam spacer from Edgetech. All standard types of glass are available – from LoE to tints to specialty glazings - as is the capillary tube system for high altitude. The glass is dual bedded with a structural sealant and secured in the sash with a removable interior glazing bead.

Hardware

Panels are furnished without hardware or hardware bore.

Hinges

10 Sierra Pacific Commercial Doors feature stainless steel, ball-bearing hinges: three hinges on our 82" and 84" doors and four hinges on our 96" door. Two hinges on each panel have non-removable pins for additional security. These hinges are available in a brushed stainless or bronze finish.

Weatherstrip

11 Vinyl-covered foam weatherstrip is used on the head and side jambs for a full

perimeter compression seal. A leaf weatherstrip is incorporated between the top of each panel and the frame for additional weather deterrence.

12 Mohair weatherstrip is attached to the bottom of each panel.

Double doors feature an exterior mounted, dark bronze, adjustable, astragal compression weatherstrip.

Screen

There is no screen option for the Commercial Door.



COMMERCIAL DOOR

Divided Lites



1 5/16" Wood Interior
Colonial Simulite



1 5/16" Extruded Aluminum
Exterior Colonial Simulite



1 5/16" Wood Exterior
Colonial Simulite



1 5/16" Wood Exterior
Contemporary Simulite



1 5/16" Wood Interior
Contemporary Simulite



Divided Lites

Interior simulated divided lite (simulite) bars are available in 7/8", 1 5/16" or 2" wide profiles in Douglas Fir available in Colonial or Contemporary profiles. Interior simulite bars are solid, clear, and suitable for staining or painting. Exterior simulite bars are made from extruded aluminum or from primed or clear Douglas Fir. Bars are permanently adhered to the glass surface with an ultra high bond adhesive tape.

Insulated units with simulite feature an internal shadow bar to give the appearance of authentic divided lites. Simulite bar widths can be combined in single units to satisfy the most demanding design needs - and lite patterns are limited only by your imagination.

Unfinished, full-surround, Colonial lite, roomside wood grilles are available. Grilles are secured in place with pushpins.

Airspace grids between the glass are available in 5/8" or 1" widths in champagne or white aluminum. These are featured in standard, rectangular lite patterns. There is no radius lite option.

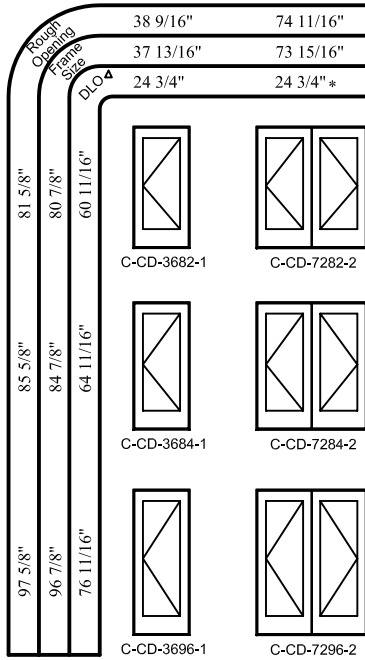


Commercial Door

COMMERCIAL DOOR

CLAD COMMERCIAL DOOR SIZES

Dimensions shown below are for clad commercial doors. For wood commercial door widths subtract 1/8" from clad door width. Height of clad and wood commercial doors are the same.



Clad Commercial Door Formulas

(using extruded brickmould)
Brickmould (Width) = Frame Width + 3"
Brickmould (Height) = Frame Height + 1 1/2"
Masonry Opening (Width) = Frame Width + 3 1/2"
Masonry Opening (Height) = Frame Height + 1 3/4"
 (masonry opening formulas pertain to units with brickmould)

Wood Commercial Door Formulas

Brickmould (Width) = Frame Width + 2 7/8"
Brickmould (Height) = Frame Height + 1 7/16"
Masonry Opening (Width) = Frame Width + 3 3/8"
Masonry Opening (Height) = Frame Height + 1 11/16"
 (masonry opening formulas pertain to units with brickmould)

CALLOUTS

Clad Commercial Door: C-CD
 Clad Commercial Door Sidelite: C-CDS
 Wood Commercial Door: CD
 Wood Commercial Door Sidelite: CDS

Notes:

Additional sizes are available in 1/16" increments.
 Contact your SPW representative for more information.

The lite patterns illustrated apply to standard rectangular simulate.

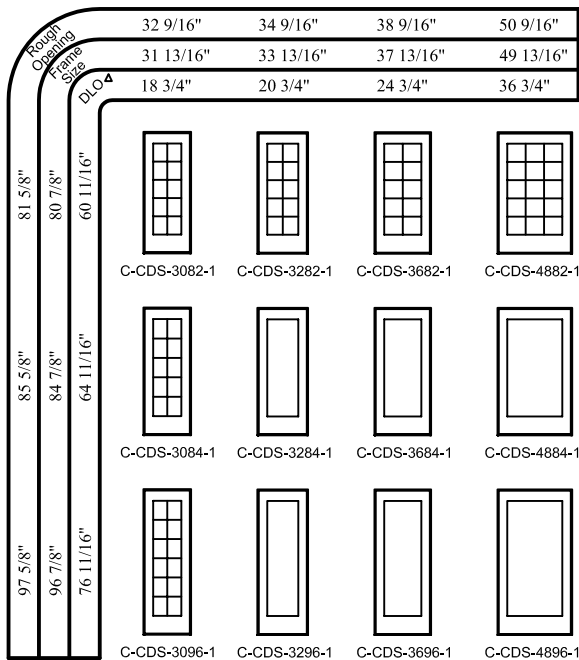
Use structural mullions when necessary or required by code.

▲DLO = Daylight Opening

* Horizontal DLO is the same for each panel.

CLAD COMMERCIAL DOOR SIDELITE SIZES

Dimensions shown below are for clad commercial door sidelites. For wood commercial door sidelite widths subtract 1/8" from clad sidelite width. Height of clad and wood commercial door sidelites are the same.













Scale: 3/32" = 1'-0"

CLAD COMMERCIAL DOOR TRANSOM SIZES

Dimensions shown below are for clad commercial door transoms. For wood commercial door transom widths subtract 1/8" from clad transom width. Height of clad and wood commercial door transoms are the same.

Rough Opening Frame Size	DLO ^Δ				
	32 9/16"	34 9/16"	38 9/16"	50 9/16"	74 11/16"
24 7/8"	31 13/16"	33 13/16"	37 13/16"	49 13/16"	73 15/16"
24 1/8"	18 3/4"	20 3/4"	24 3/4"	36 3/4"	60 7/8"
17 11/16"					

				
C-CDT-3016	C-CDT-3216	C-CDT-3616	C-CDT-4816	C-CDT-7216
				
C-CDT-3024	C-CDT-3224	C-CDT-3624	C-CDT-4824	C-CDT-7224

Clad Commercial Door Transom Formulas

(using extruded brickmould)

Brickmould (Width) = Frame Width + 3"

Brickmould (Height) = Frame Height + 1 1/2"

Masonry Opening (Width) = Frame Width + 3 1/2"

Masonry Opening (Height) = Frame Height + 1 3/4"

(masonry opening formulas pertain to units with brickmould)

Wood Commercial Door Transom Formulas

Brickmould (Width) = Frame Width + 2 7/8"

Brickmould (Height) = Frame Height + 1 7/16"

Masonry Opening (Width) = Frame Width + 3 3/8"

Masonry Opening (Height) = Frame Height + 1 11/16"

(masonry opening formulas pertain to units with brickmould)

CALLOUTS

Clad Commercial Door Transom: C-CDT

Wood Commercial Door Transom: CDT

Notes:

Additional sizes are available in 1/16" increments.

Contact your SPW representative for more information.

Use structural mullions when necessary or required by code.

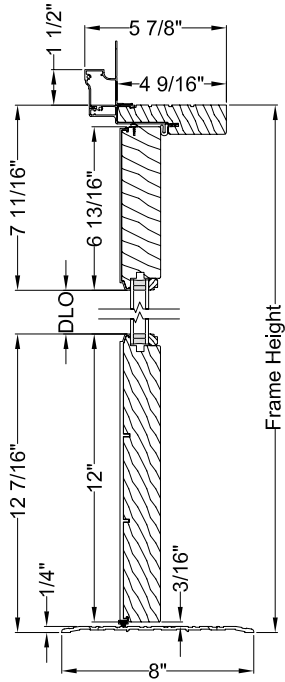
^ΔDLO = Daylight Opening

Scale: 3/32" = 1'-0"

COMMERCIAL DOOR

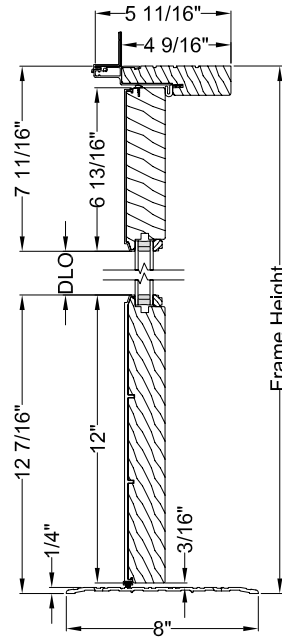
Clad Commercial Door

(1 Panel w/ Brickmould)

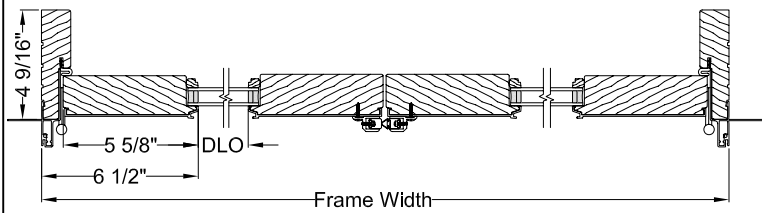
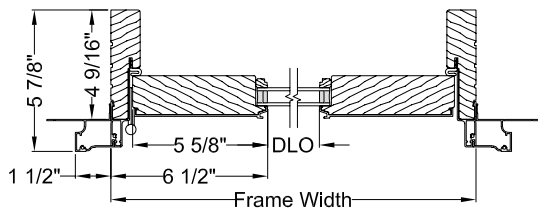


Clad Commercial Door

(2 Panel)



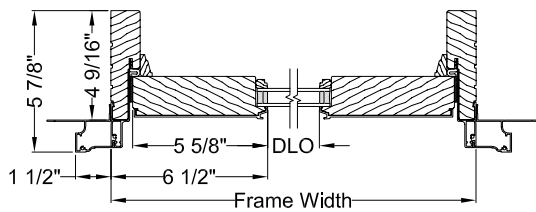
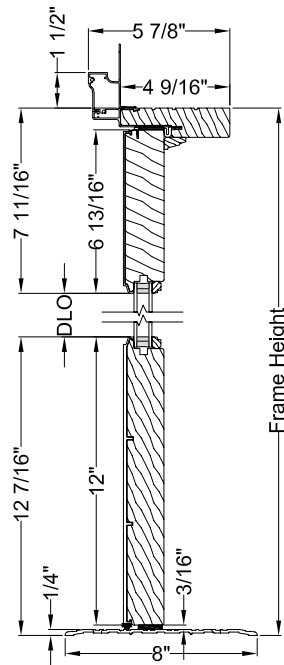
Commercial Door



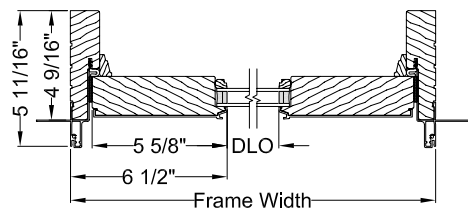
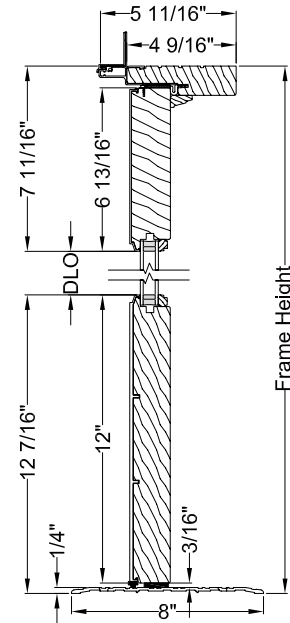
Scale: 1-1/2" = 1'-0"

Clad Commercial Door Sidelite

(w/ Brickmould)



Clad Commercial Door Sidelite

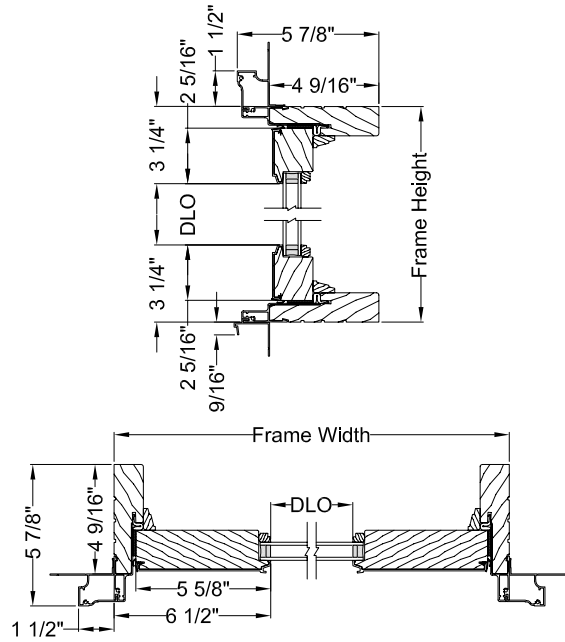


Scale: 1-1/2" = 1'-0"

COMMERCIAL DOOR

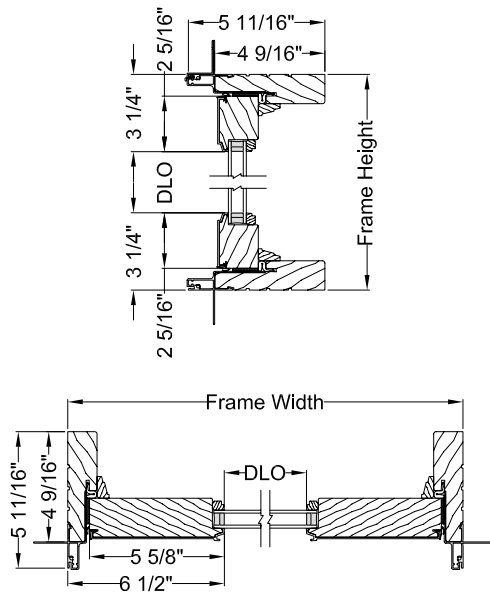
Clad Commercial Door Transom

(w/ Brickmould)



Scale: 1-1/2" = 1'-0"

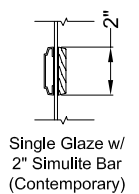
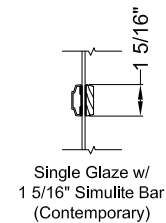
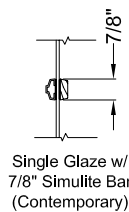
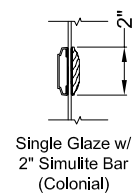
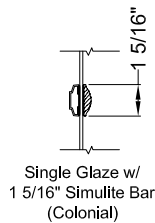
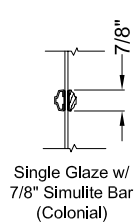
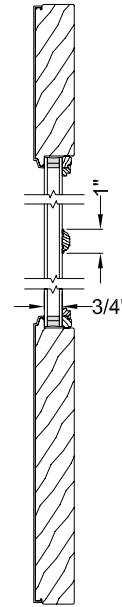
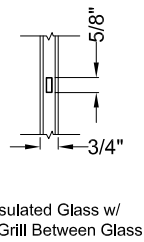
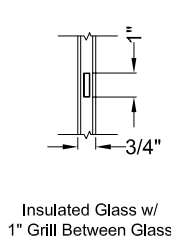
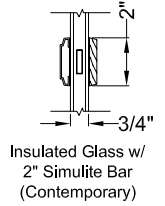
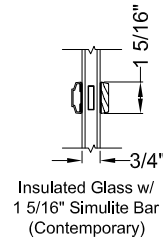
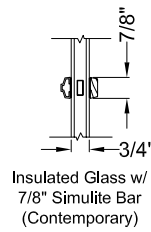
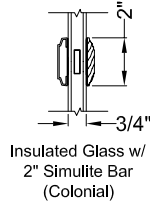
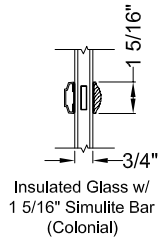
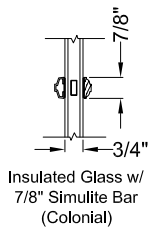
Clad Commercial Door Transom



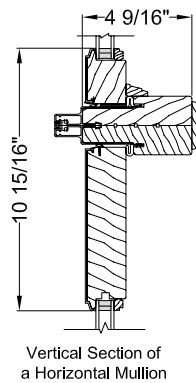
Scale: 1-1/2" = 1'-0"

Commercial Door

Clad Commercial Door Simulite & Glazing Options



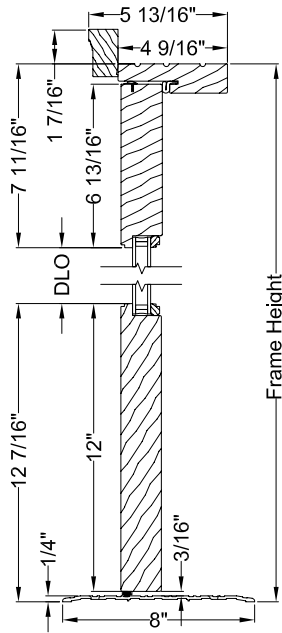
Standard Clad Commercial Door Mullion Detail



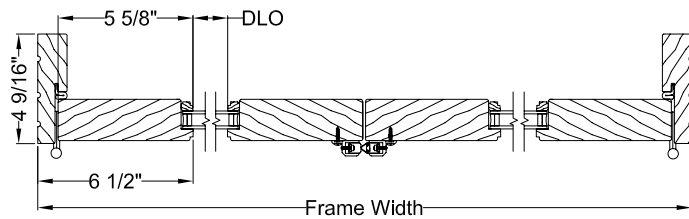
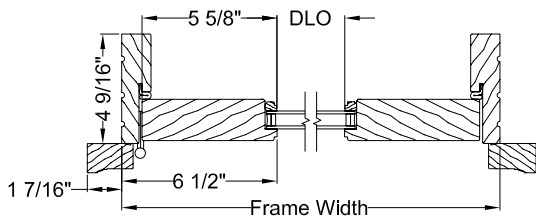
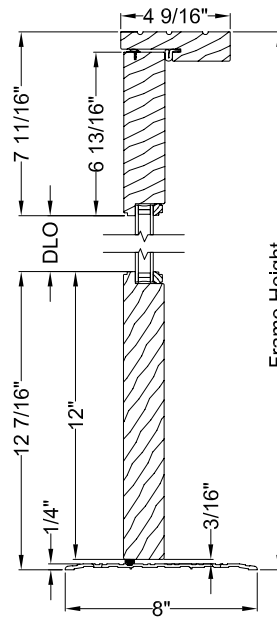
Scale: 1-1/2" = 1'-0"

COMMERCIAL DOOR

Wood Commercial Door
(1-Panel w/ Brickmould)



Wood Commercial Door
(2-Panel)

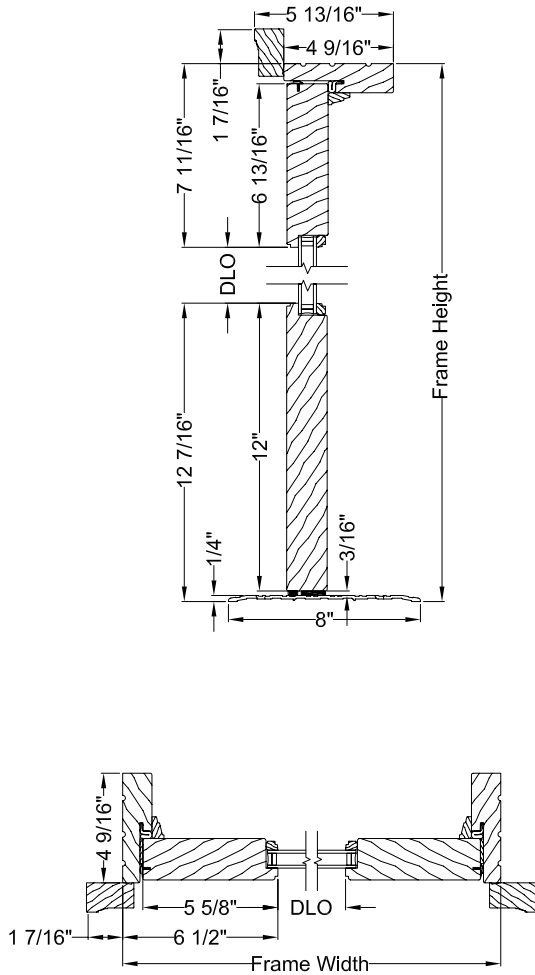


Scale: 1-1/2" = 1'-0"

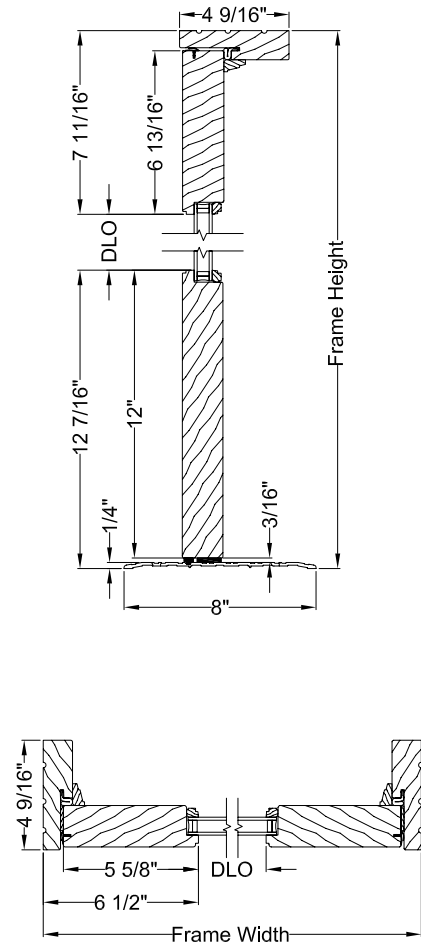
Commercial Door

Wood Commercial Door Sidelite

(w/ Brickmould)



Wood Commercial Door Sidelite

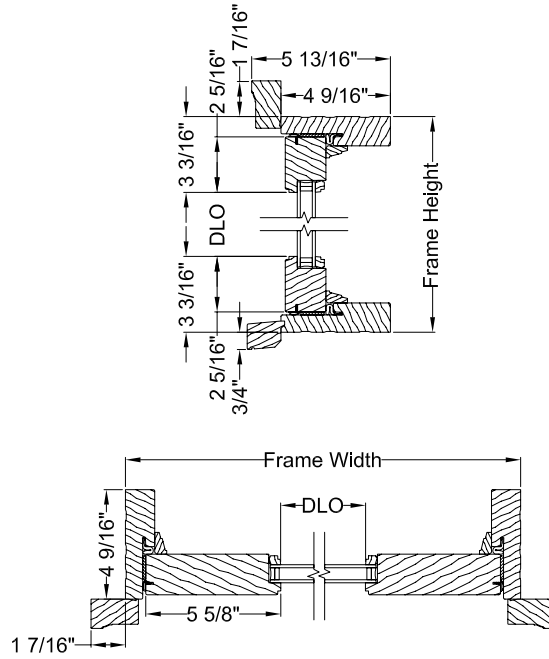


Scale: 1-1/2" = 1'-0"

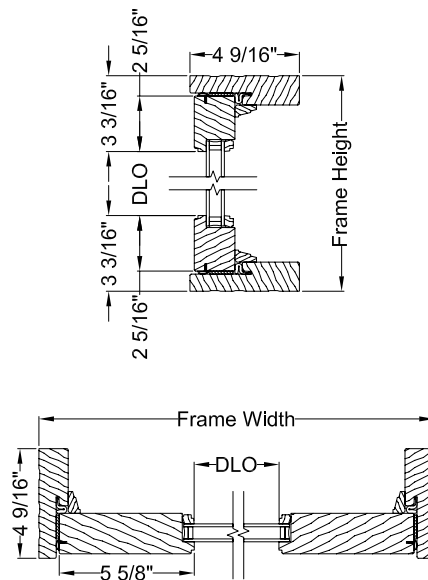
COMMERCIAL DOOR

Wood Commercial Door Transom

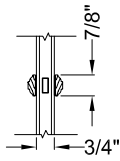
(w/ Brickmould)



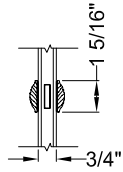
Wood Commercial Door Transom



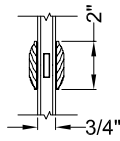
Wood Commercial Door Simulite & Glazing Options



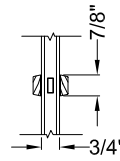
Insulated Glass w/
7/8" Simulite Bar
(Colonial)



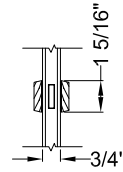
Insulated Glass w/
1 5/16" Simulite Bar
(Colonial)



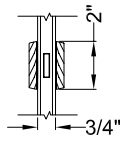
Insulated Glass w/
2" Simulite Bar
(Colonial)



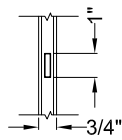
Insulated Glass w/
7/8" Simulite Bar
(Contemporary)



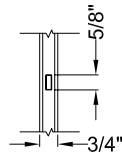
Insulated Glass w/
1 5/16" Simulite Bar
(Contemporary)



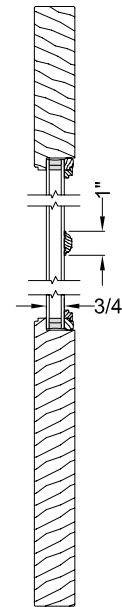
Insulated Glass w/
2" Simulite Bar
(Contemporary)



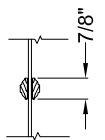
Insulated Glass w/
1" Grill Between Glass



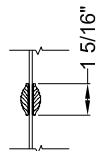
Insulated Glass w/
5/8" Grill Between Glass



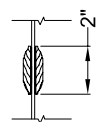
Insulated Glass w/
1" Interior Removable Grill



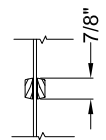
Single Glaze w/
7/8" Simulite Bar
(Colonial)



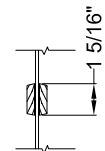
Single Glaze w/
1 5/16" Simulite Bar
(Colonial)



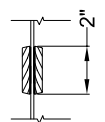
Single Glaze w/
2" Simulite Bar
(Colonial)



Single Glaze w/
7/8" Simulite Bar
(Contemporary)

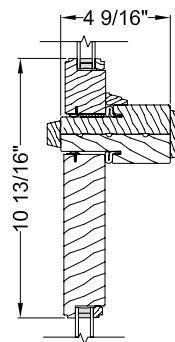


Single Glaze w/
1 5/16" Simulite Bar
(Contemporary)



Single Glaze w/
2" Simulite Bar
(Contemporary)

Standard Wood Commercial Door Mullion Detail



Vertical Section of
a Horizontal Mullion

Scale: 1-1/2" = 1'-0"