ligna

application guide

02.23.2026

teknion

what is ligna

WHAT IS LIGNA 4

COMPONENTS 6

OFFICE PLACEMENT 7

what is ligna

Ligna is the flexible, architecturally refined modular partitioning system designed to optimize and delineate open-plan office spaces.

With the Flintwood finish option, Ligna delivers the luxurious, high-end aesthetic of custom millwork without the complexity, offering unparalleled simplicity.

Its versatility is further expanded by unique functional modules, including the integrated Bookshelf and the design-forward Louver Screen, making it the ultimate solution for sophisticated workplace zoning.

what is ligna

modular millwork

The Ligna wall system delivers a high-end millwork finish with an elegant aesthetic. It uniquely addresses a gap in the architectural interiors landscape by offering modular, floor-to-ceiling natural wood solutions, drastically simplifying a specification process that typically requires custom fabrication.

define zones

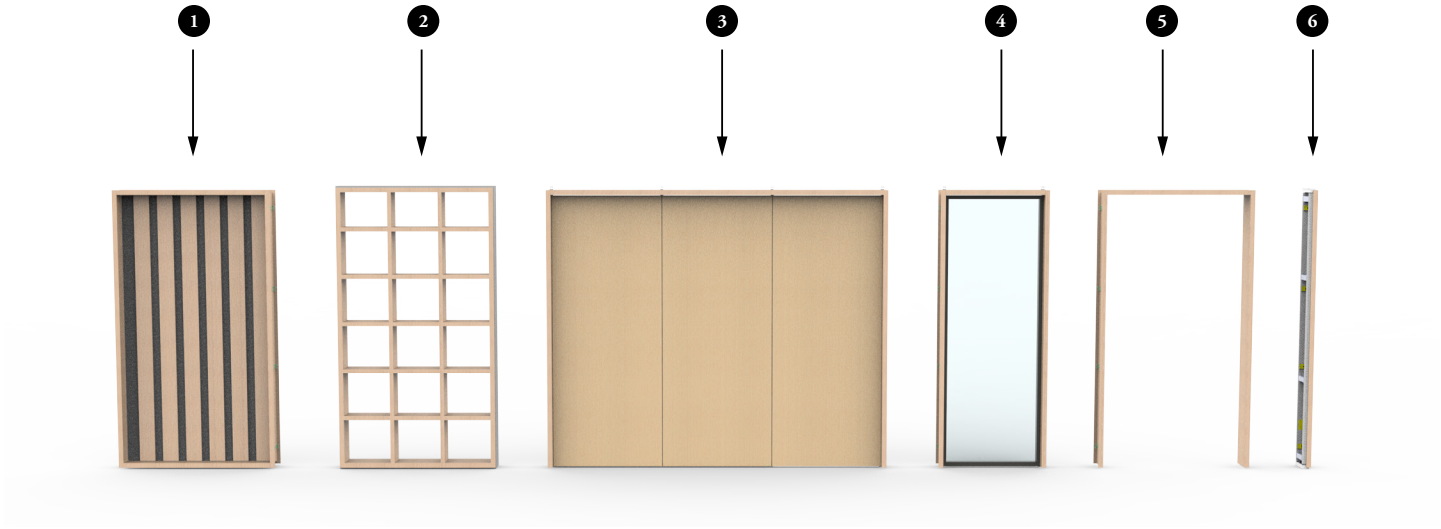
Ligna is conceived as a series of flexible millwork building blocks that design teams can deploy to define space, activate underutilized floor plan areas, and seamlessly integrate with existing wall systems. These modules create a diverse array of configurations that complement our current portfolio.

divide & floor plan

Designed to serve as a sophisticated linear divider, the Ligna wall system utilizes synchronized louvers and floor-to-ceiling shelving to add depth and utility to the floor plan. As a scalable solution, Ligna occupies a unique niche in the market by pairing the elegance of premium natural wood with the ease of a modular system.

components

Ligna is made of various module and end trims, the following is an overview of the main components.



1. **Louver**
   - Provides adaptable privacy and adjusts light condition within a space
2. **Bookshelf**
   - Provides functional shelves while serving as a space divider
3. **Wall**
   - Divides space while providing visual privacy
4. **Glass**
   - Divides space while maintaining transparency
5. **Pass-Through**
   - Provides an access pathway between spaces
6. **End Trim**
   - Finishes a Ligna run start/ends

office placement

Ligna is a flexible system, the application of which can be understood in three basic principles.

1 Stand alone

- Linear straight runs only and Ligna does not attach to any building walls

2 Floor to Ceiling

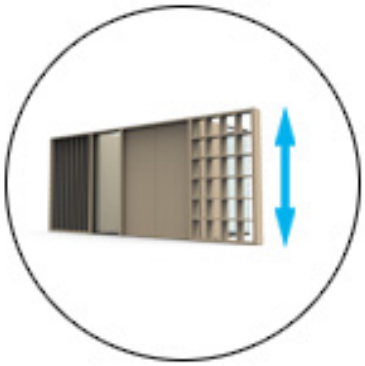
- 96"-120" and must be attached to both the floor and ceiling

3 Interface with Walls

- Altos, Optos, Tek Vue and Focus can be connected between modules

1

2

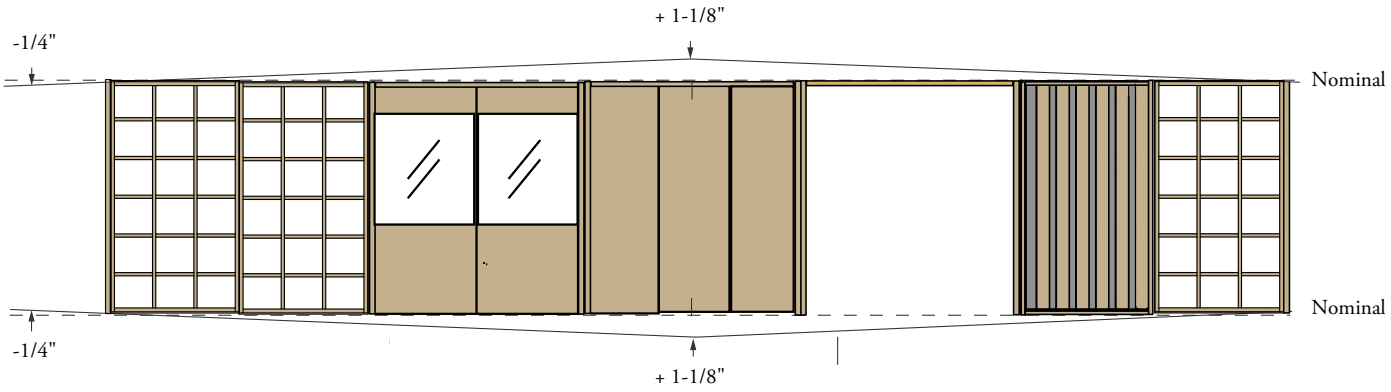


3

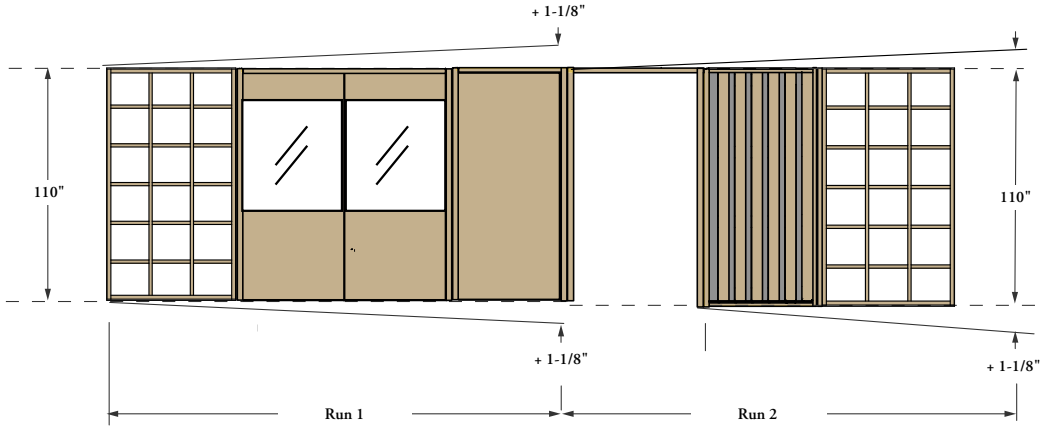
office placement (continued)

When creating a Ligna layouts the following site conditions should be considered.

The maximum leveling range is + 1-1/8" and -1/4" at the floor and ceiling. (* limited to +3/4" at the ceiling for the louvers and pass-through modules).



If floor in unlevel greater than 1-1/8" in a Ligna run a 1" taller or shorter modules can be used in a new adjacent run using either a pass-through module or alternatively a new run can be started.



For more information regarding impacted parts to order, refer to *Pass-Throughs section* for more details.

application guide

PRODUCT MAP 10

LIGNA OVERVIEW 17

FRAMES 19

GLASS 28

BOOKSHELF 33

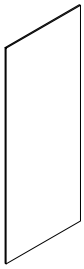
LOUVERS 38

PASS-THROUGHS 42

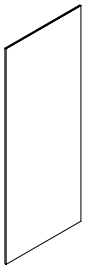
UNIVERSAL PARTS 46

walls product map

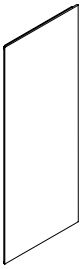
L N M 1 Solid Fascia - Monolithic



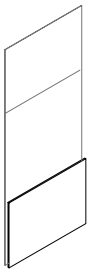
L N R M 1 Fabric Wrapped Fascia - Monolithic



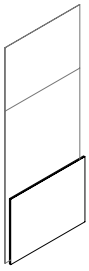
L N A T M 1 Acoustic Tackable Fascia - Monolithic



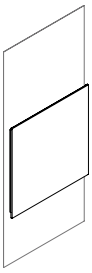
L N S W 1 Solid Fascia - Working Wall, Level 1



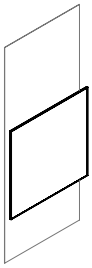
L N R W 1 Fabric Wrapped Fascia - Working Wall, Level 1



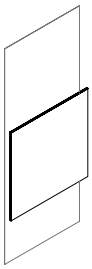
L N A T W 2 Acoustic Tackable Fascia - Working Wall, Level 2



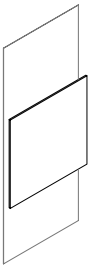
L N N W 2 Frameless Backpainted Glass Markerboard



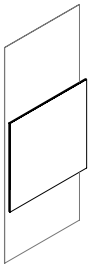
L N M W 2 Framed Backpainted Glass Markerboard



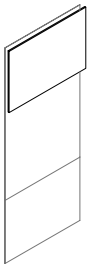
L N S W 2 Solid Fascia - Working Wall, Level 2



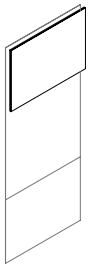
L N R W 2 Fabric Wrapped Fascia - Working Wall, Level 2



L N S W 3 Solid Fascia - Working Wall, Level 3

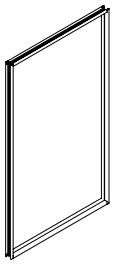


L N R W 3 Fabric Wrapped Fascia - Working Wall, Level 3

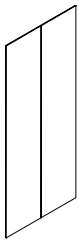


glass product map

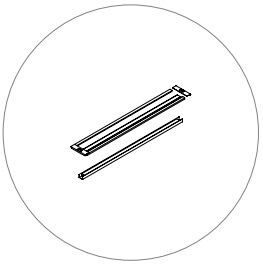
L N G F Glass Frame



L N G P Glass Panel

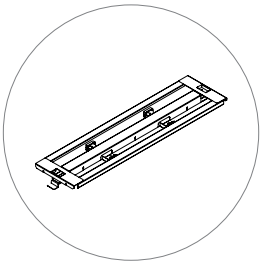


L N G H K Glass Horizontals Kit



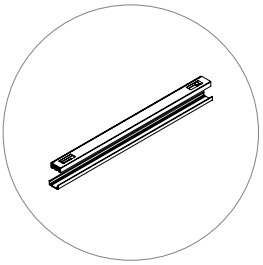
frames & trims product map

L N S H P Ceiling Frame Kit

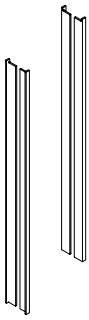


L N S V P Vertical Post

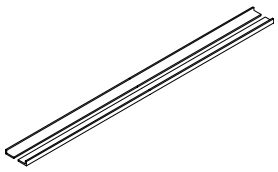
L N F H P Fascia Horizontal Kit



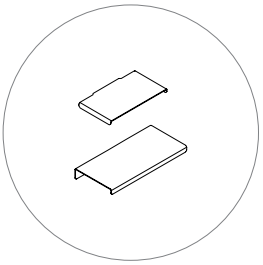
L N T V Trims Vertical



L N T H Trims Horizontal

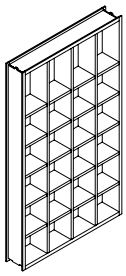


L N T B S Trims Horizontal Brackets / Splice Kit

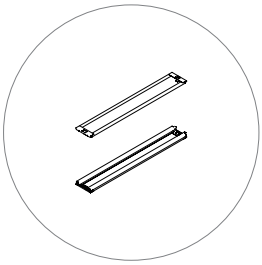


bookshelf product map

L N B K Bookshelf Kit

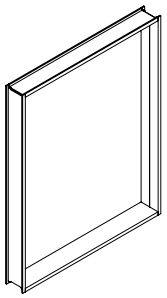


L N H K Bookshelf Horizontals Kit

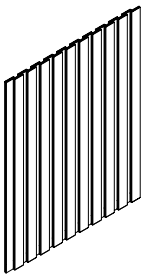


louvers product map

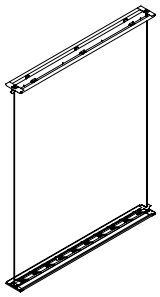
L N V F Louvers Trims Kit



L N V R Louvers Kit

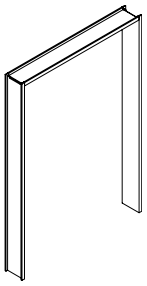


L N C R A Louvers Horizontal Kit

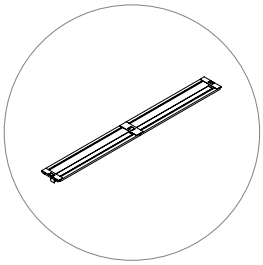


pass-through product map

L N P T T Pass-Through Trims

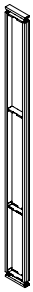


L N P H K Pass-Through Horizontal Kit



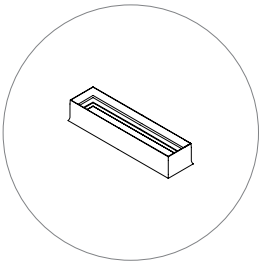
universal parts & accessories product map

L N D V P Double Vertical Post

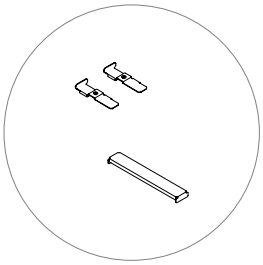


L N E T Ends Trims

L N J Gaskets



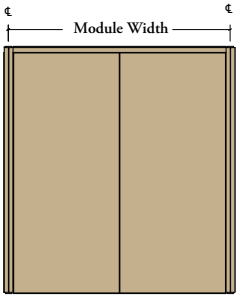
L N C H Ceiling Hardware



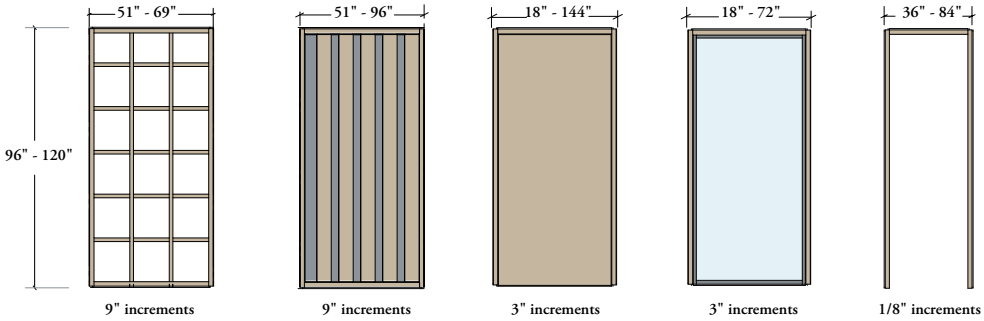
ligna overview

Modules can be planned using the following details.

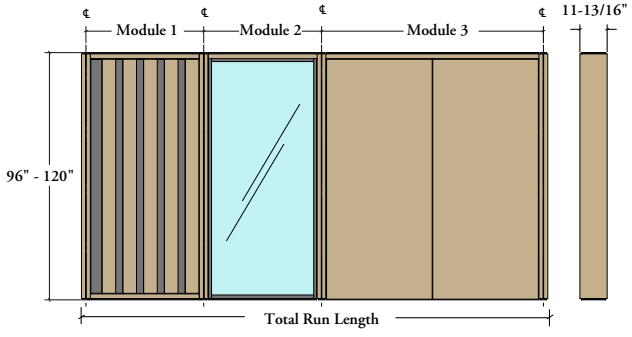
Modules nominal width is the actual center to centerline width.



The following summarizes the sizes and increments of each module type



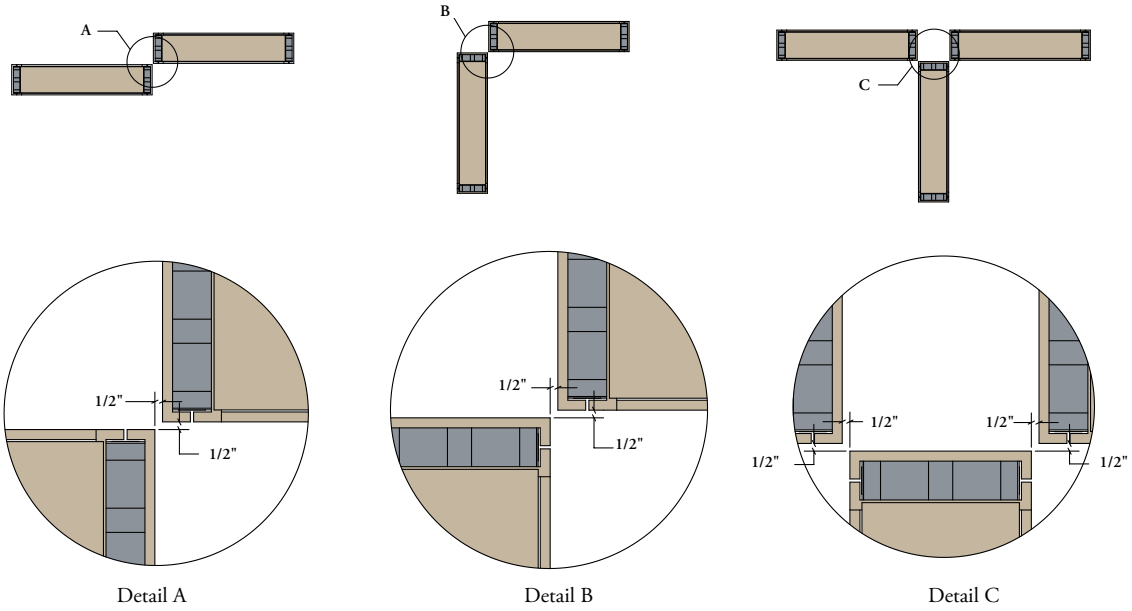
A Ligna run can me made up of one or multiple modules inline.



Formula = Module 1 + Module 2 + Module 3 + 2X End Trim = Total Run Length

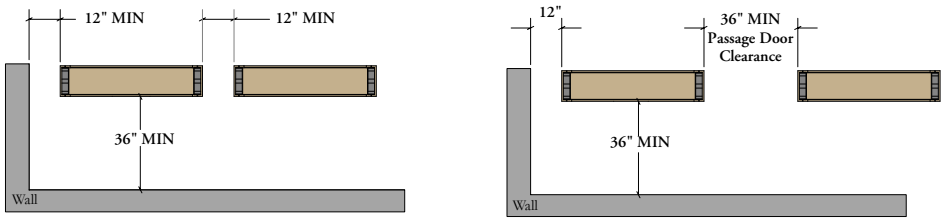
ligna overview (continued)

Modules can be planned using the following spacing recommendations.

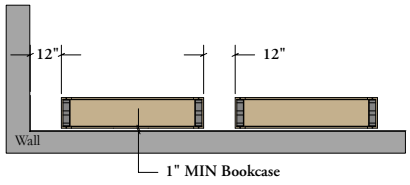


Modules planned using the following recommendations for spacing.

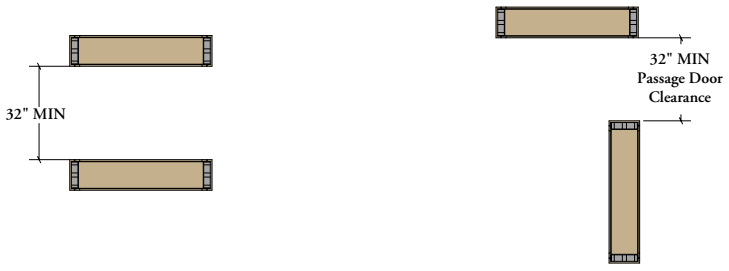
All Modules



Bookshelves

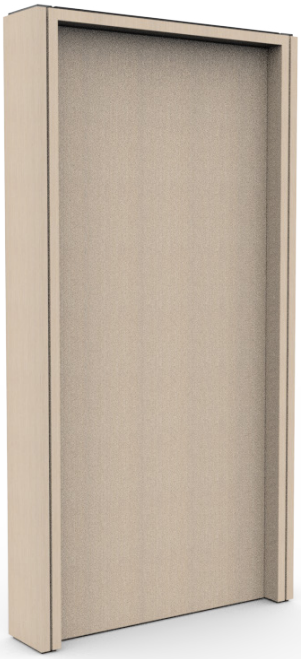


All Modules



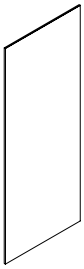
walls overview

The wall modules include the following options.



Solid Fascia - Monolithic (LNM1)

- Height: 96" - 120" (1" increments)
- Widths: 13-7/8" - 47-3/8"
- Finish:
  - Fascia Laminates
  - Flintwood



Fabric Wrapped Fascia - Monolithic (LNRM1)

- Height: 96" - 120" (1" increments)
- Widths: 13-7/8" - 47-3/8"
- Fabrics:
  - Architectural
  - COM

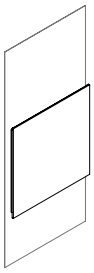
Acoustic Tackable Fascia - Monolithic (LNATM1)

- Height: 96" - 120" (1" increments)
- Widths: 13-7/8" - 47-3/8"
- Fabrics:
  - Architectural
  - COM

NOTE: Fascia width predetermined by selected module width

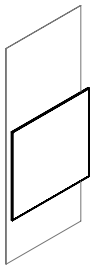
walls working wall basics

The wall modules include the following options.



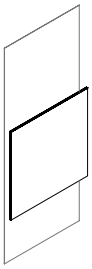
Acoustic Tackable Fascia - Working Wall, Level 2 (LNATW2)

- Height: 48"
- Widths: 13-7/8" - 47-3/8"
- Fabrics:
  - Architectural
  - COM



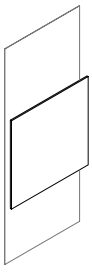
Frameless Backpainted Glass Markerboard (LNNW2)

- Height: 48"
- Widths: 13-7/8" - 47-3/8"
- Includes Magnetic Backer
- Finish:
  - Backpainted Glass



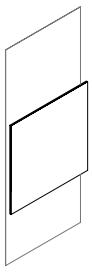
Framed Backpainted Glass Markerboard (LNMW2)

- Height: 48"
- Widths: 13-7/8" - 47-3/8"
- Available With or Without Magnetic Backer
- Finish:
  - Backpainted Glass



Solid Fascia - Working Wall, Level 2 (LNSW2)

- Height: 48"
- Widths: 13-7/8" - 47-3/8"
- Finish:
  - Fascia Laminates
  - Flintwood



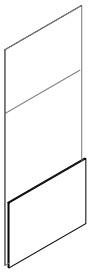
Fabric Wrapped Fascia - Working Wall, Level 2 (LNRW2)

- Height: 48"
- Widths: 13-7/8" - 47-3/8"
- Fabrics:
  - Architectural
  - COM

NOTE: Fascia width predetermined by selected module width

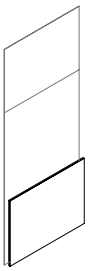
walls working wall basics (continued)

The wall modules include the following options.



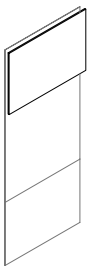
Solid Fascia - Working Wall, Level 1 (LNSW1)

- Height: 36"
- Widths: 13-7/8" - 47-3/8"
- Finish:
  - Fascia Laminates
  - Flintwood



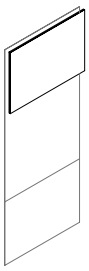
Fabric Wrapped Fascia - Working Wall, Level 1 (LNRW1)

- Height: 36"
- Widths: 13-7/8" - 47-3/8"
- Fabrics:
  - Architectural



Solid Fascia - Working Wall, Level 3 (LNSW3)

- Height: 12" - 36" (1" increments)
- Widths: 13-7/8" - 47-3/8"
- Finish:
  - Fascia Laminates
  - Flintwood



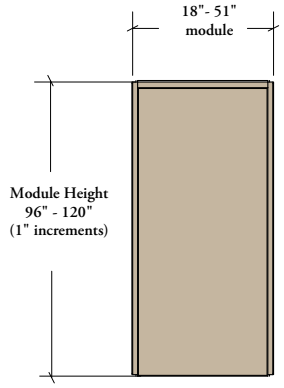
Fabric Wrapped Fascia - Working Wall, Level 3 (LNRW3)

- Height: 12" - 36" (1" increments)
- Widths: 13-7/8" - 47-3/8"
- Fabrics:
  - Architectural
  - COM

NOTE: Fascia width predetermined by selected module width

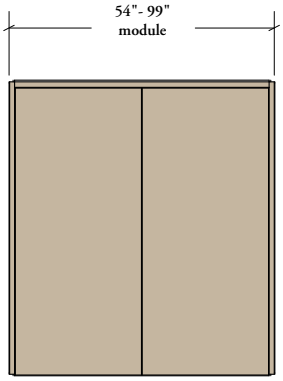
planning with walls - module fascias

The following illustrates the module widths and their predetermined fascia widths.



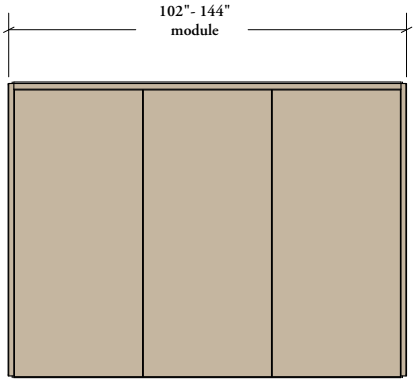
1 x Fascia

Module width 18" - 51"
(3" increments)



2 x Fascia

Module width 54" - 99"
(3" increments)



3 x Fascia

Module width 102" - 144"
(3" increments)

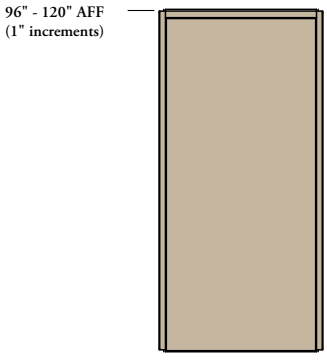
Module Width	Fascia (Elevation 1)	Fascia (Elevation 2)	Fascia (Elevation 3)
18"	13_7	n/a	n/a
21"	16_7	n/a	n/a
24"	19_7	n/a	n/a
27"	22_7	n/a	n/a
30"	25_7	n/a	n/a
33"	28_7	n/a	n/a
36"	31_7	n/a	n/a
39"	34_7	n/a	n/a
42"	37_7	n/a	n/a
45"	40_7	n/a	n/a
48"	43_7	n/a	n/a
51"	46_7	n/a	n/a

Module Width	Fascia (Elevation 1)	Fascia (Elevation 2)	Fascia (Elevation 3)
54"	24_7	24_7	n/a
57"	26_3	26_3	n/a
60"	27_7	27_7	n/a
63"	29_3	29_3	n/a
66"	30_7	30_7	n/a
69"	32_3	32_3	n/a
72"	33_7	33_7	n/a
75"	35_3	35_3	n/a
78"	36_7	36_7	n/a
81"	38_3	38_3	n/a
84"	39_7	39_7	n/a
87"	41_3	41_3	n/a
90"	42_7	42_7	n/a
93"	44_3	44_3	n/a
96"	45_7	45_7	n/a
99"	47_3	47_3	n/a
102”	32_4	32_5	32_4

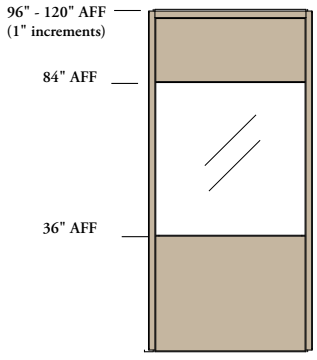
Module Width	Fascia (Elevation 1)	Fascia (Elevation 2)	Fascia (Elevation 3)
105”	33_4	33_5	33_4
108”	34_4	34_5	34_4
111”	35_4	35_5	35_4
114”	36_4	36_5	36_4
117”	37_4	37_5	37_4
120”	38_4	38_5	38_4
123”	39_4	39_5	39_4
126”	40_4	40_5	40_4
129”	41_4	41_5	41_4
132”	42_4	42_5	42_4
135”	43_4	43_5	43_4
138”	44_4	44_5	44_4
141”	45_4	45_5	45_4
144”	46_4	46_5	46_4

LEGEND			
Fascia Width (increment)	Dimension (inches)	Fascia Width (increment)	Dimension (inches)
_1	1/8"	_5	5/8"
_2	1/4"	_6	3/4"
_3	3/8"	_7	7/8"
_4	1/2"		

The following illustrates the datums for the various wall options.



Fascia Elevation #1
(Front)



Fascia Elevation #1
(Back)

For each Wall Module, fascias are specified individually allowing for a mix and match of various finishes.

Example:

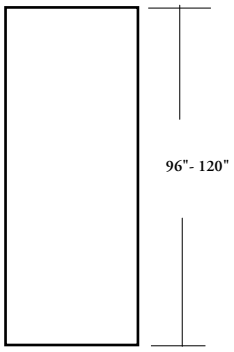
- Fascia Elevation #1 (Front)
  - 1x LNM1
- Fascia Elevation #1 (Back)
  - 1x LNSW1
  - 1x LNNW2
  - 1x LNSW3

planning with walls - module fascias (continued)

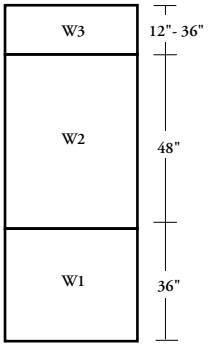
The following chart illustrates the nominal fascia height based on module height.

Total fascia height is nominal and must match the modules fascia height.
Only portrait fascias available, refer to previous page of predetermined widths.

MN Monolithic
W1 Working Wall - Level 1
W2 Working Wall - Level 2
W3 Working Wall - Level 3



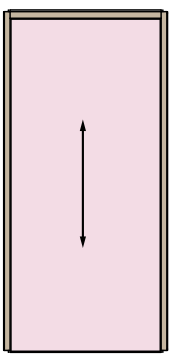
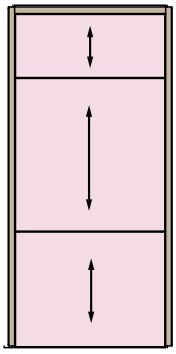
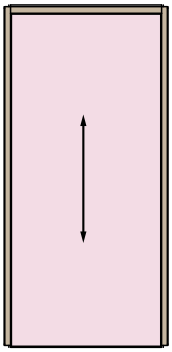
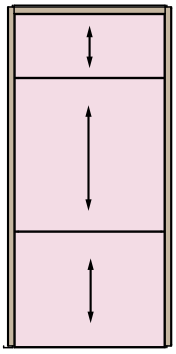
Monolithic



Working Wall

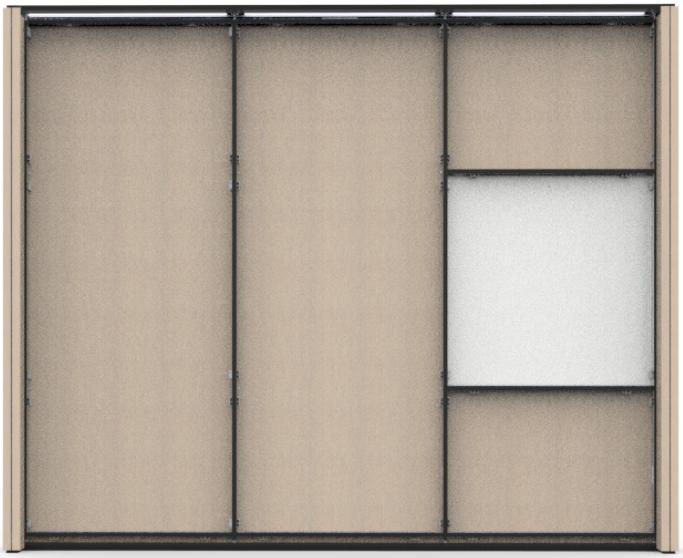
	Monolithic	Working Wall		
	MN	W1	W2	W3
Solid	✓	✓	✓	✓
Acoustic Tackable	✓		✓	
Fabric Wrapped	✓	✓	✓	✓
Backpainted Glass Framed			✓	
Backpainted Glass Frameless			✓	

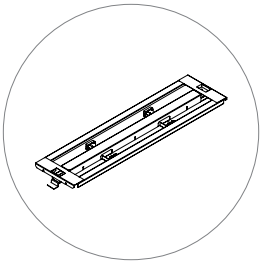
Architectural fabric available for Acoustic Tackable and Fabric Wrapped fascia, direction of fabric is applied as follows:

walls module frame & components basics

The wall modules frame components include the following parts.





Ceiling Frame Kit (LNSHP)

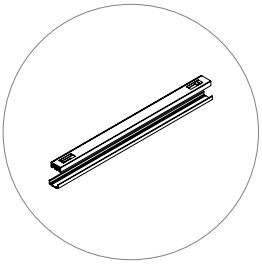
• Width: 18" - 144" (3" increments)

Vertical Post (LNSVP)

• Height: 96" - 120" (1" increments)

• Application:
- Glass
- Wall

• Elevation:
- Monolithic
- Working Wall



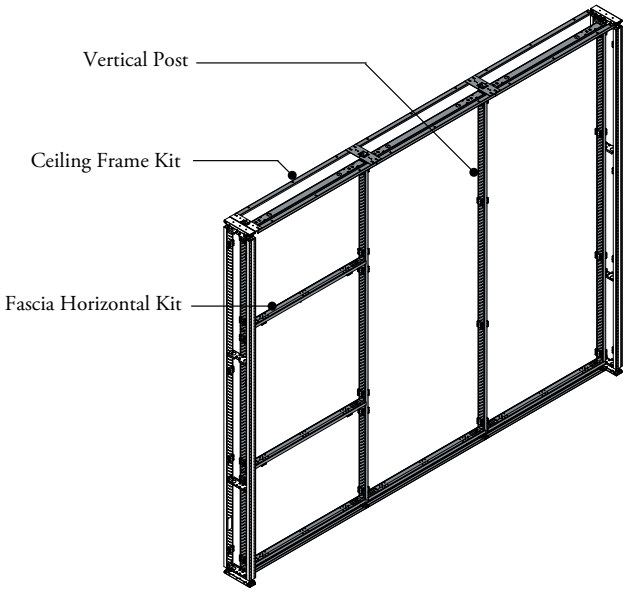
Fascia Horizontal Kit (LNFHP)

• Fascia Widths: 13-7/8" - 47-3/8" (sizes predetermined by module width)

• Elevation:
- Monolithic
- Working Wall

planning with walls - module frames & components

The frame components are used in conjunction with the various fascia options. Frame components are determined by the fascias elevations chosen and the specific configuration on the inside and outside of the wall module.



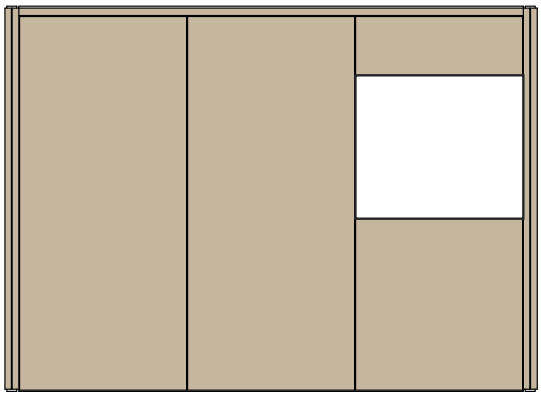
For each Wall Module requires:

- 1 x Ceiling Frame Kit (LNSHP)
- Refer to Vertical Posts (LNSVP) and Horizontal Kits (LNFHP) section for quantities

The selected fascias will determine the Vertical Post and the Fascia Horizontal Kits.

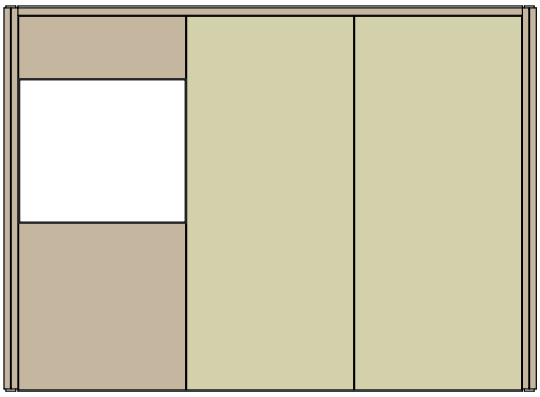
Each fascia elevation within a module can be configured with a Monolithic or Working Wall, front and back.

Module Front



Fascia Elevation #1 | Fascia Elevation #2 | Fascia Elevation #3

Module Back



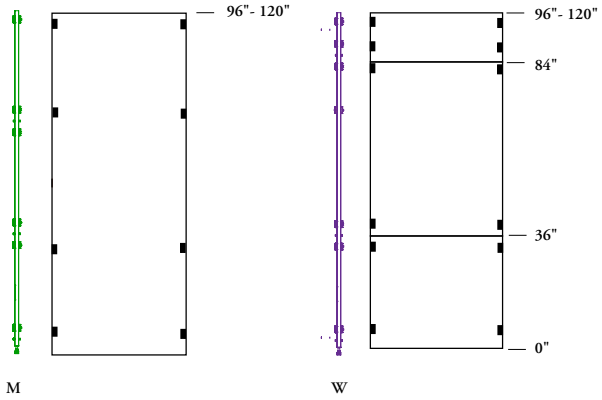
Fascia Elevation #4 | Fascia Elevation #5 | Fascia Elevation #6

Note: Fascia elevation Monolithic and Working Wall are not required to match front and back.

planning with walls - module with vertical posts

The following shows the vertical post that is required for modules that have the following fascia datums on the front and back of a module.

The chart demonstrates which vertical post elevation option should be selected for each application.

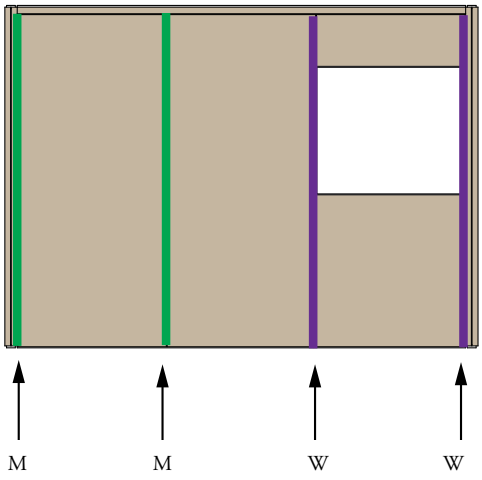


Monolithic (M) Working Wall (W)

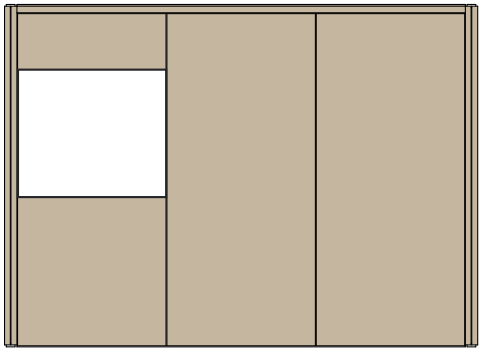
Adjacent Wall Module: Inner and Outer Elevations	Single Wall Module: Inner and Outer Elevations		
	Monolithic + Monolithic	Monolithic + Working Wall	Working Wall + Working Wall
Monolithic + Monolithic	M	W	W
Monolithic + Working Wall	W	W	W
Working Wall + Working Wall	W	W	W

The following is an example of the post locations and the elevation option required:

Module Front

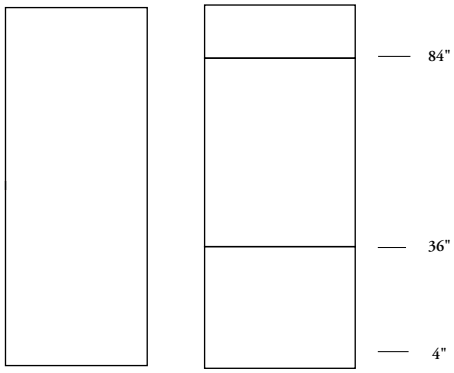


Module Back



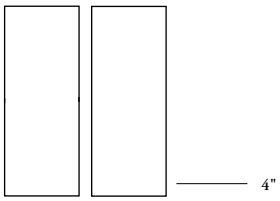
planning with walls - module with horizontal rails

Horizontal Rail Packages include the appropriate number of horizontal rails and a base channel based on the elevations selected.



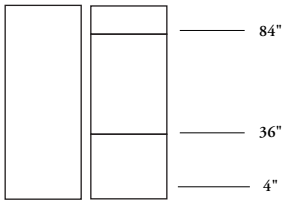
Monolithic (M) Working Wall (W)

Standard Rail (LNFHP)
Elevation - Monolithic

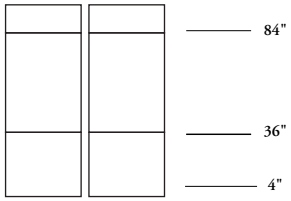


Monolithic (M) +
Monolithic (M)

Standard Rail (LNFHP)
Elevation - Working Wall



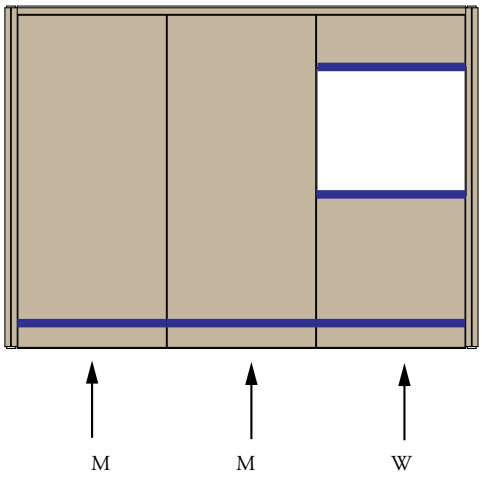
Monolithic (M) +
Working Wall (W)



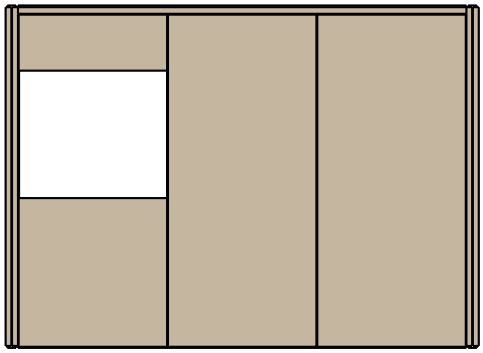
Working Wall (W) +
Working Wall (W)

The following is an example of the horizontal locations and the deletion option required:

Module Front

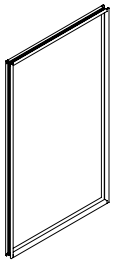


Module Back



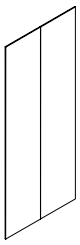
glass module basics

The glass modules include the following options.



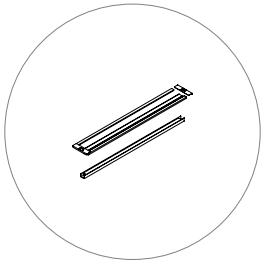
Glass Frame (LNGF)

- Height: 96" - 120" (1" increments)
- Width: 18" - 72" (3" increments)
- Finish:
  - Anodized
  - Architectural Frame Finishes



Glass Panel (LNGP)

- Height: 96" - 120" (1" increments)
- Width: 18" - 72" (3" increments)
- Finish:
  - Tempered: Clear, Low Iron
  - Laminated: Clear, 65% White, 80% Cool White, Clear low Iron
- Includes:
  - 12mm Glass
  - 1x presized panel 18" - 51" width
  - 2x presized panels 54" - 72" width

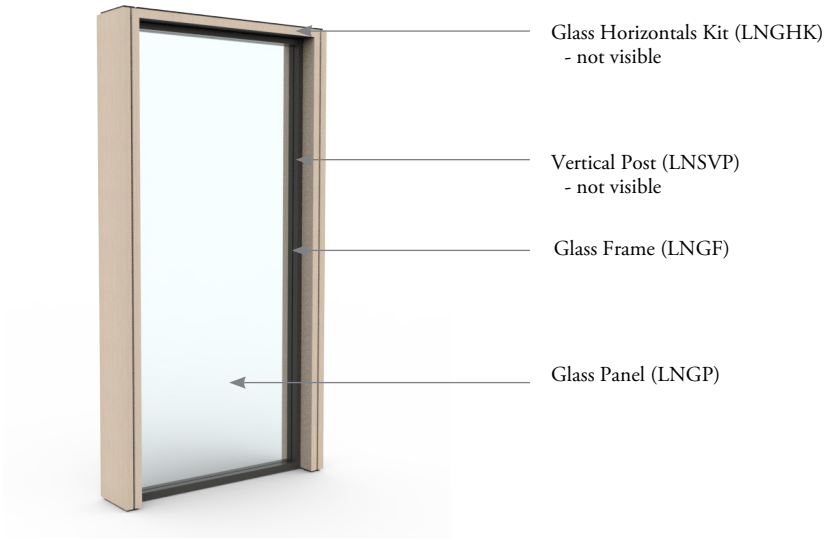


Glass Horizontals Kit (LNGHK)

- Width: 18" - 72" (3" increments)
- Finish:
  - Anodized
  - Architectural Frame Finishes

planning with glass modules

The glass modules include the following parts and finish options.



Parts required for 1x Glass Module:
- 1x Glass Frame (LNGF)
- 1x Glass Horizontals Kit (LNGHK)
- 1x Glass Panel (LNGP)
- 2x Vertical Posts (LNSVP)

See *Frames & Trims* section for related parts and quantities.

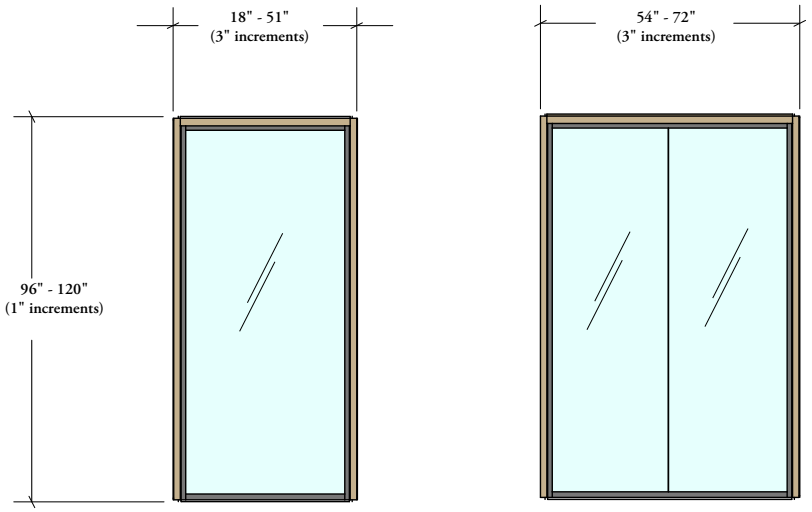
Glass Frame Finish:
- Architectural Frame Finishes

Glass, 12mm
- Tempered:
  Clear
  Low Iron
- Laminated:
  Clear
  65% White
  80% Cool White
  Clear Low Iron

planning with glass modules (continued)

The glass modules include the following sizes.

1x Glass Panel (LNGP) is required per module (sizes 18" - 51" will include 1x piece of glass and 54" - 72" will include 2x pieces).

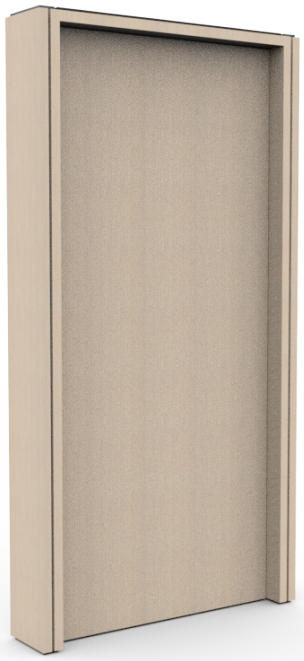


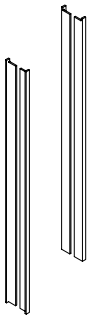
1x Glass Panel (LNGP) width is predetermined by the Glass module width, see the chart below for the glass panel for each module width.

Modular Width	GLASS	
	One Panel Included	Two Panels Included
18"	12-3/8"	n/a
21"	15-3/8”	n/a
24"	18-3/8”	n/a
27"	21-3/8”	n/a
30"	24-3/8”	n/a
33"	27-3/8”	n/a
36"	30-3/8”	n/a
39"	33-3/8”	n/a
42"	36-3/8”	n/a
45"	39-3/8”	n/a
48"	42-3/8”	n/a
51"	45-3/8”	n/a
54"	n/a	24-1/8"
57"	n/a	25-5/8”
60"	n/a	27-1/8”
63"	n/a	28-5/8”
66"	n/a	30-1/8”
69"	n/a	31-5/8”
72"	n/a	33-1/8”

walls & glass trims basics

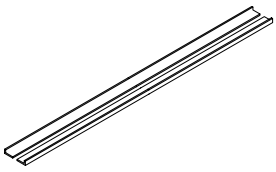
The wall and glass modules include the following shared trim components..





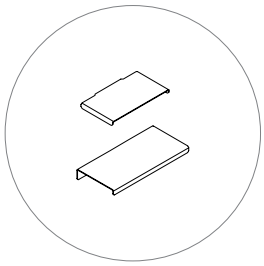
Trims Vertical (LNTV)

- Height: 96" - 120"
- Finish Flintwood:
  - Standard
  - Cathedral
- Includes left-front and back and right front and back trims



Trims Horizontal (LNTH)

- Width: 18" - 144" (3"increments)
- Finish Flintwood:
  - Standard
  - Cathedral
- Includes front and back trims



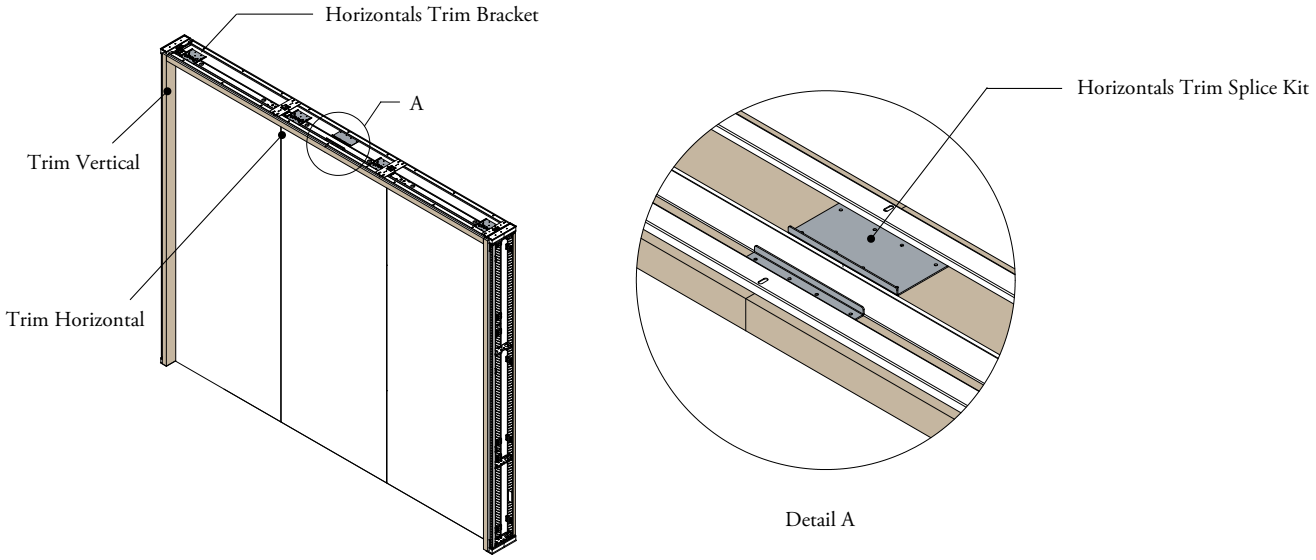
Horizontal Trims Bracket/Splice Kit (LNTBS)

- Width: 18" - 144" (3" increments)
- Includes support brackets (and splice plates for modules 120" - 144")

planning with walls & glass trims

Wall and Glass module require the following trims and supporting parts.

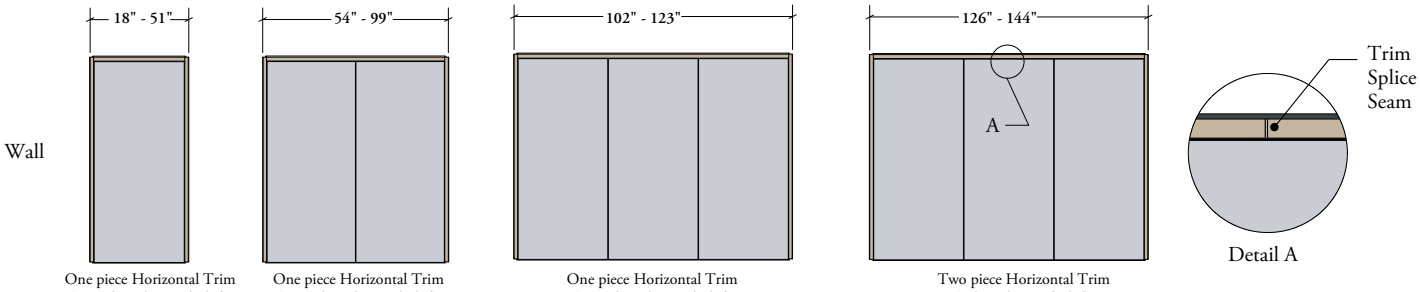
Each wall and glass module requires the following:
- 1x Trims Vertical (LNTV), includes four pieces (left front and back, right front and back)
- 1x Trim Horizontal (LNTH) includes two pieces (front and back)
- 1x Horizontal Trims Bracket/Splice Kit (LNTBS) include brackets (Splice Kit included for wall modules 126" - 144")

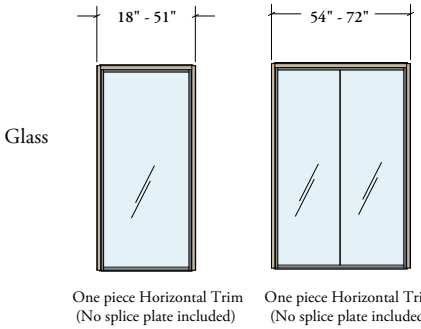


Only 1x Horizontal Trims Bracket/Splice Kit (LNTBS) is required per wall and glass module.

Horizontal Trim Bracket quantities vary in the Kit depending on the module.

Horizontal Trim Splice Kit is only provided for Wall Modules 126" - 144".

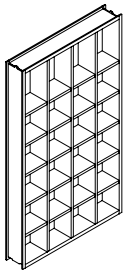




Module	Parts Included	
Width	Pairs of Brackets	Pairs of Spice Plates
18" - 21"	1	n/a
24" - 51"	2	n/a
54" - 84"	3	n/a
87" - 123"	4	n/a
126" - 144"	4	1

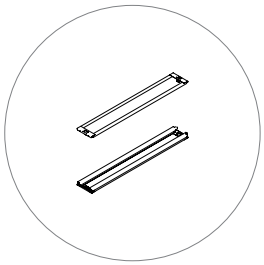
bookshelf module basics

The bookshelf modules include the following options.



Bookshelf Kit (LNBK)

- Height: 96" - 120" (1" increments)
- Width: 51" - 69" (9" increments)
- Shelf Type:
  - Adjustable
  - Fixed
- Finish:
  - Flintwood (Standard and Cathedral)

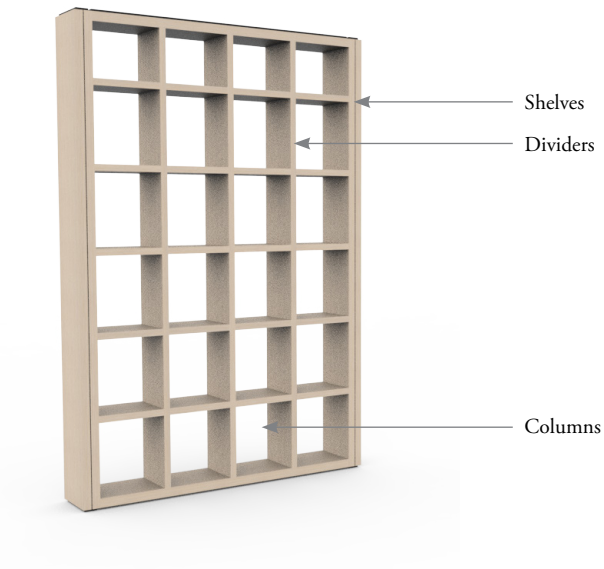


Bookshelf Horizontals Kit (LNHK)

- Width: 51" - 69" (9" increments)

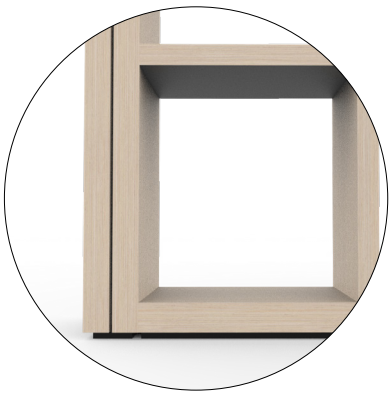
planning with bookshelf modules

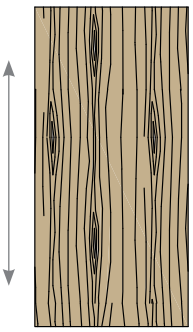
The wall modules include the following options.



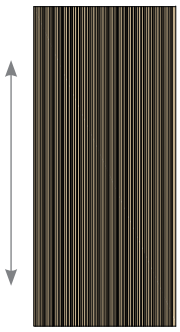
Each bookshelf requires the following:
- 1x Bookshelf Kit (LNBK) include all trims (sides, top and bottom), divider and shelves
- 1x Bookshelf Horizontals Kit (LNHK)

Bookshelf is available in Flintwood, Standard and Cathedral.





The illustration above demonstrates the grain direction of Cathedral Flintwood finishes.

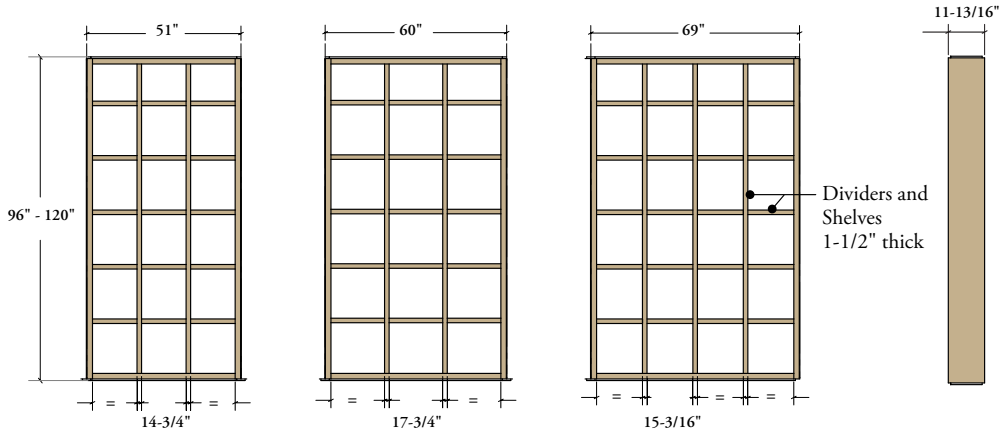


The illustration above demonstrates the grain direction of Standard Flintwood finishes.

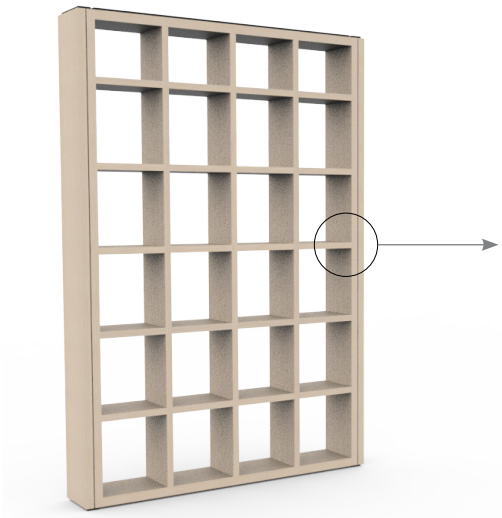
planning bookshelf modules (continued)

The wall modules include the following width options.

The columns space between the dividers is equally spaced which is determined by the module width. See the examples below:



Bookshelf is available in Flintwood, Standard and Cathedral.



Adjustable Shelves:

Shelf peg holes are spaced 1.25" (32mm) O.C for a total of +/- 3.75" from the nominal position.

Fixed Shelves:

Shelves are fixed and no holes or adjustment is included.

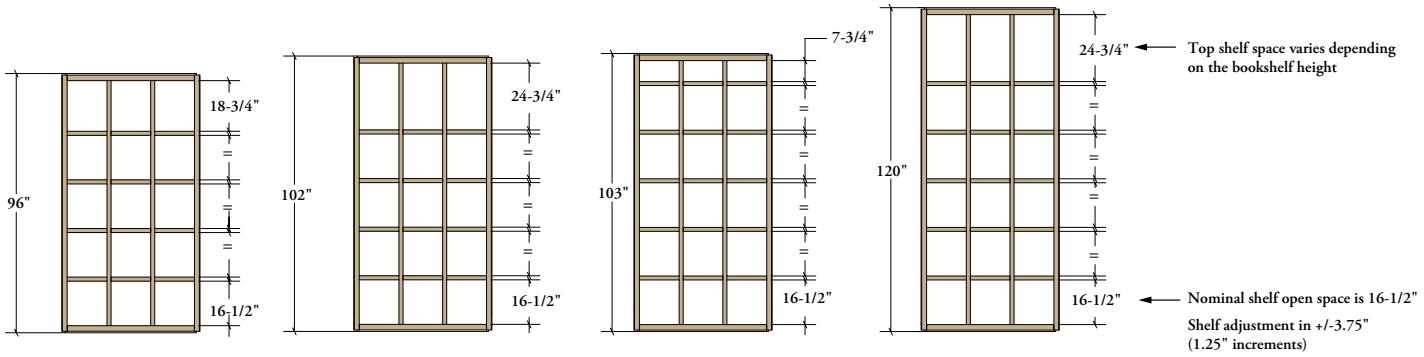
planning with bookshelf adjustable

The bookshelf adjustable option include the following dimensions.

Bookshelf heights: 96" - 120" (1" increments).

The shelves nominal open space is 16-1/2" openings with a variable space at the top.

Examples below:



Note that for heights 96" - 102" include four shelves per column and 103" - 120" receive five shelves per column.

The following chart outlines the space between shelves and the space possible on the top shelf when adjusted to the maximum and minimum position for each nominal height:

Nominal Height	Height Space Top Shelf at nominal	Height Space Top Shelf at maximum lowest peg	Height Space Top Shelf at maximum highest peg	Total number of Shelves per column
96"	18-13/16"	22-9/16"	15-1/16"	4
97"	19-13/16"	23-9/16"	16-1/16"	4
98"	20-13/16"	24-9/16"	17-1/16"	4
99"	21-13/16"	25-9/16"	18-1/16"	4
100"	22-13/16"	26-9/16"	19-1/16"	4
101"	23-13/16"	27-9/16"	20-1/16"	4
102"	24-13/16"	28-9/16"	21-1/16"	4
103"	7-13/16"	11-9/16"	4-1/16"	5
104"	8-13/16"	12-9/16"	5-1/16"	5
105"	9-13/16"	13-9/16"	6-1/16"	5
106"	10-13/16"	14-9/16"	7-1/16"	5
107"	11-13/16"	15-9/16"	8-1/16"	5
108"	12-13/16"	16-9/16"	9-1/16"	5
109"	13-13/16"	17-9/16"	10-1/16"	5
110"	14-13/16"	18-9/16"	11-1/16"	5
111"	15-13/16"	19-9/16"	12-1/16"	5
112"	16-13/16"	20-9/16"	13-1/16"	5
113"	17-13/16"	21-9/16"	14-1/16"	5
114"	18-13/16"	22-9/16"	15-1/16"	5
115"	19-13/16"	23-9/16"	16-1/16"	5
116"	20-13/16"	24-9/16"	17-1/16"	5
117"	21-13/16"	25-9/16"	18-1/16"	5
118"	22-13/16"	26-9/16"	19-1/16"	5
119"	23-13/16"	27-9/16"	20-1/16"	5
120"	24-13/16"	28-9/16"	21-1/16"	5

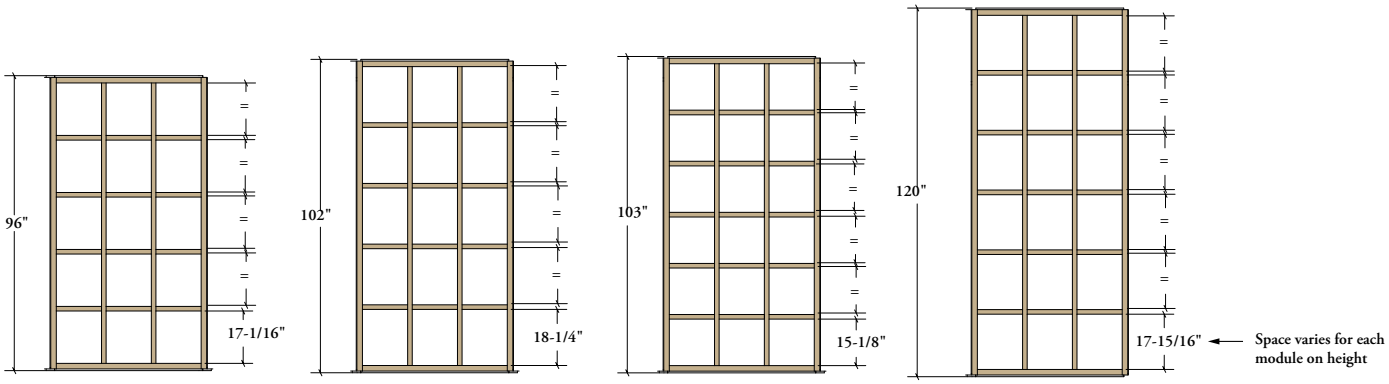
planning with bookshelf fixed

The bookshelf fixed option include the following dimensions.

Bookshelf Heights: 96" - 120" (1" increments).

The shelf spacing varies depending on the shelfs nominal height and includes evenly spaced openings.

Examples below:



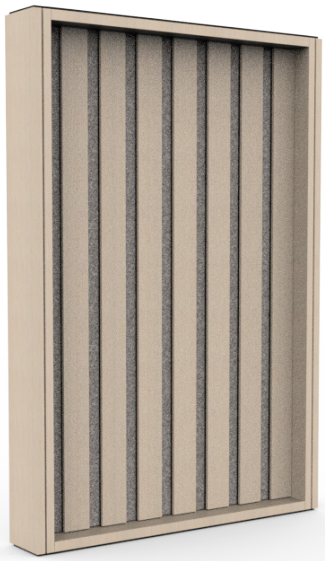
The following chart outlines the space between shelves based on the nominal height:

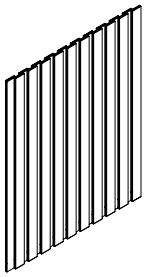
Nominal Height	Height between Shelves	Total number of Shelves per column
96"	16-15/16"	4
97"	17-3/16"	4
98"	17-3/8"	4
99"	17-9/16"	4
100"	17-3/4"	4
101"	17-15/16"	4
102"	18-3/16"	4
103"	15-1/16"	5
104"	15-3/16"	5
105"	15-3/8"	5
106"	15-9/16"	5
107"	15-11/16"	5
108"	15-7/8"	5
109"	16-1/16"	5
110"	16-3/16"	5
111"	16-3/8"	5
112"	16-9/16"	5
113"	16-11/16"	5
114"	16-7/8"	5
115"	17-1/16"	5
116"	17-3/16"	5
117"	17-3/8"	5
118"	17-9/16"	5
119"	17-11/16"	5
120"	17-7/8"	5

Note that for heights 96" - 102" include four shelves per column and 103" - 120" receive five shelves per column.

louver module basics

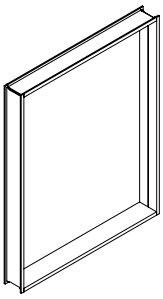
The louver modules include the following.





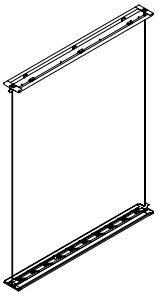
Louvers Kit (LNVR)

- Height: 96" - 120" (1" increments)
- Width: 51" - 96" (9" increments)
- Rotation: Clockwise/Counterclockwise
- Finish:
  - Flintwood (Standard and Cathedral)
  - Smooth Felt



Louvers - Trims Kit (LNVF)

- Height: 96" - 120" (1" increments)
- Width: 51" - 96" (9" increments)
- Finish:
  - Flintwood (Standard and Cathedral)

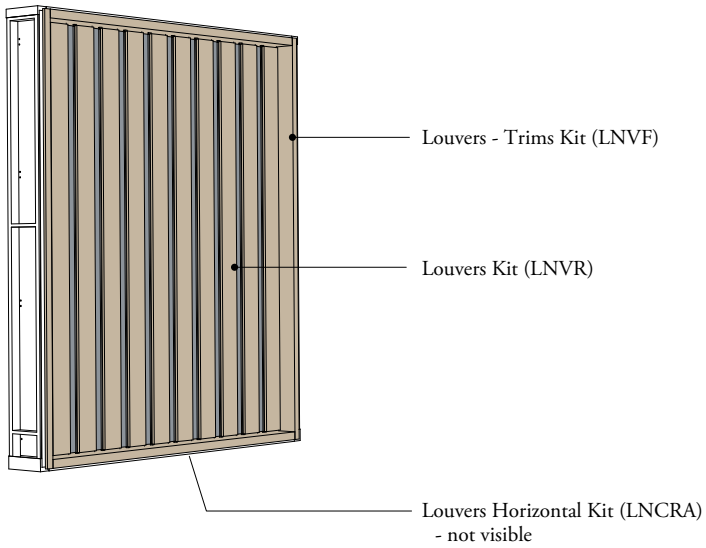


Louvers Horizontal Kit (LNCRA)

- Width: 51" - 96" (9" increments)
- Rotation: Clockwise/Counterclockwise

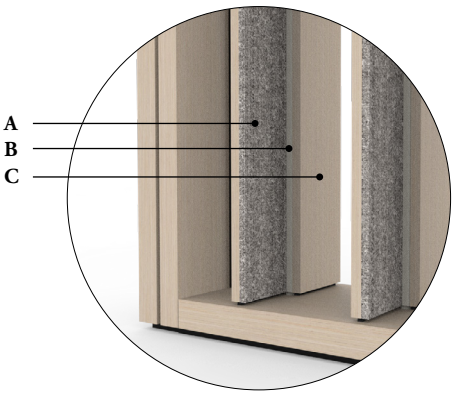
planning with louver module

The louver modules include the following options.

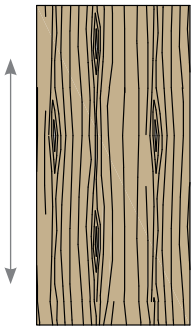


Each louver module requires the following:
- 1x Louvers Kit (LNVR) includes all louvers for selected width
-1x Louvers - Trims Kit (LNVF) include sides and top and bottom trims
- 1x Louvers Horizontal Kit (LNCRA)

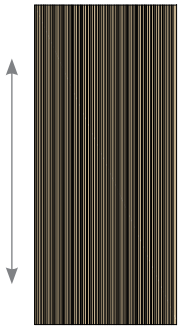
Louvers - Trims Kit (LNVF) available in Flintwood (Standard and Cathedral).



A - Smooth Felt
B - Coordinated paint
C - Flintwood



The illustration above demonstrates the grain direction of Cathedral Flintwood finishes.



The illustration above demonstrates the grain direction of Standard Flintwood finishes.

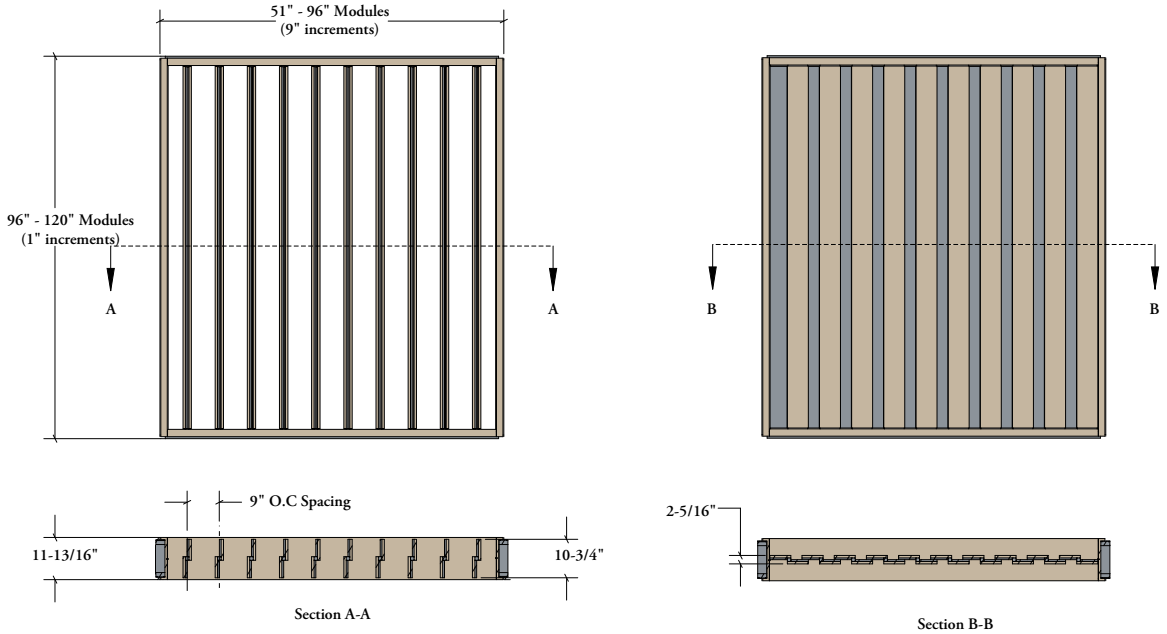
Trim Gasket and Louver top and bottom brush are always Ebony.

planning with louver module (continued)

The louver modules include the following options.

The following shows the louver dimensions.

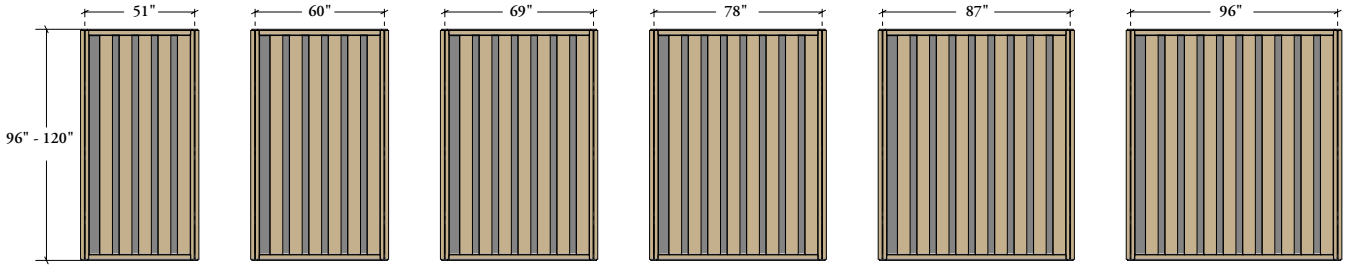
Louvers can be specified with clockwise or counterclockwise position and open to a maximum 90˚.



Open
(90˚ maximum)

Closed

The following shows the louver widths:



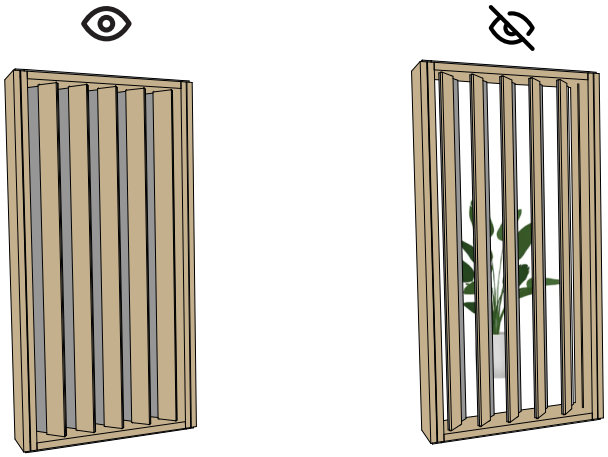
planning with louver module (continued)

The louver modules include the following options.

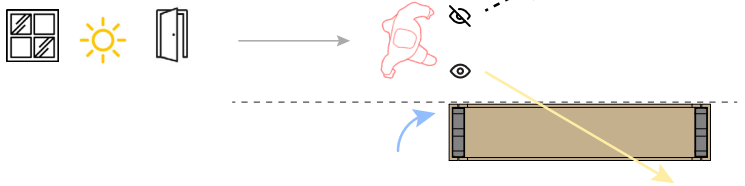
The following shows the louver dimensions.

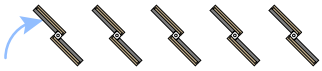
Louvers can be specified with clockwise or counterclockwise position and open to a maximum 90".

Louvers set at 45˚ or 135˚



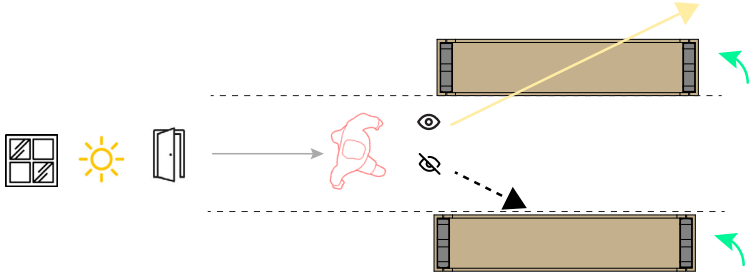
Door Window
Sun Foot Traffic

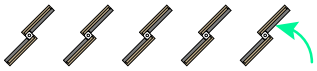




Clockwise 0˚ - 90˚
(shown at 45˚ open)

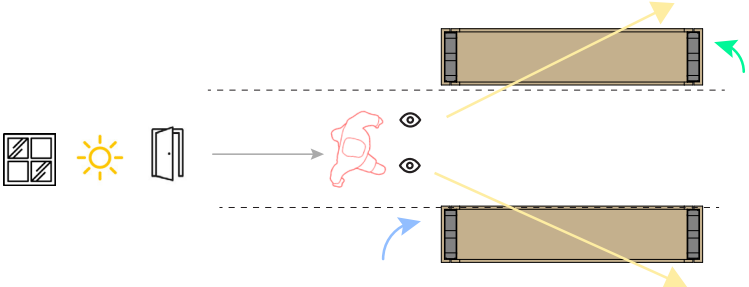
Door Window
Sun Foot Traffic

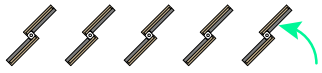




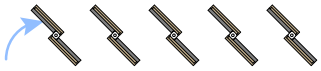
Counterclockwise 180˚ - 90˚
(shown at 135˚ open)

Door Window
Sun Foot Traffic





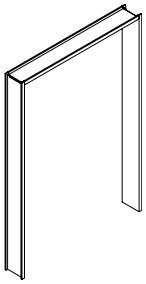
Counterclockwise 180˚ - 90˚
(shown at 135˚ open)



Clockwise 0˚ - 90˚
(shown at 45˚ open)

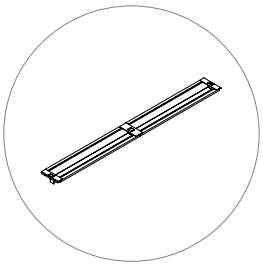
pass-through module basics

The pass-through modules include the following.



Pass-Through Trims (LNPTT)

- Height (left): 96" - 120" (1" increments)
- Height (right): equal to left height, -1",+1"
- Width: 36" - 84" (1/8" increments)
- Finish:
  - Flintwood (Standard and Cathedral)

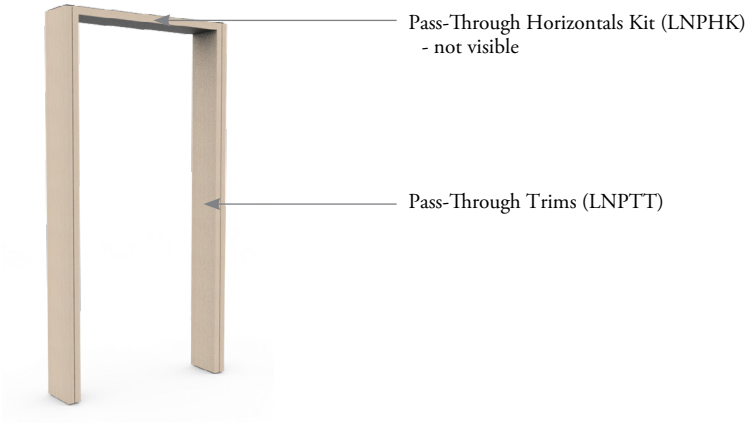


Pass-Through Horizontals Kit (LNPHK)

- Width: 36 "- 84" (1/8" increments)
- Finish:
  - Ebony

planning with pass-through modules

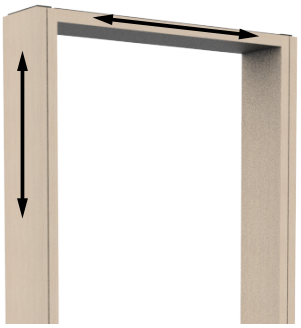
The pass-through modules include the following options.

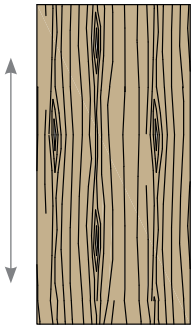


Each pass-through module requires the following:
- 1x Pass-Through Trims (LNPTT) includes top, left and right trims
- 1x Pass-Through Horizontals Kit (LNPHK)

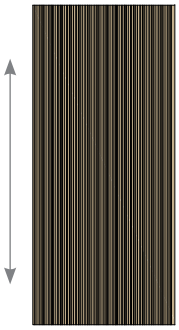
Pass-Through Trims (LNPTT) are available in Flintwood, Standard and Cathedral.

Pass-Through Horizontals Kit (LNPHK) Ebony finish.





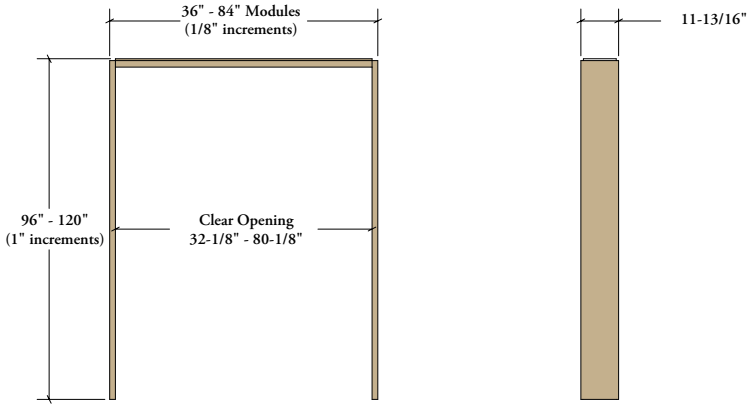
The illustration above demonstrates the grain direction of Cathedral Flintwood finishes.



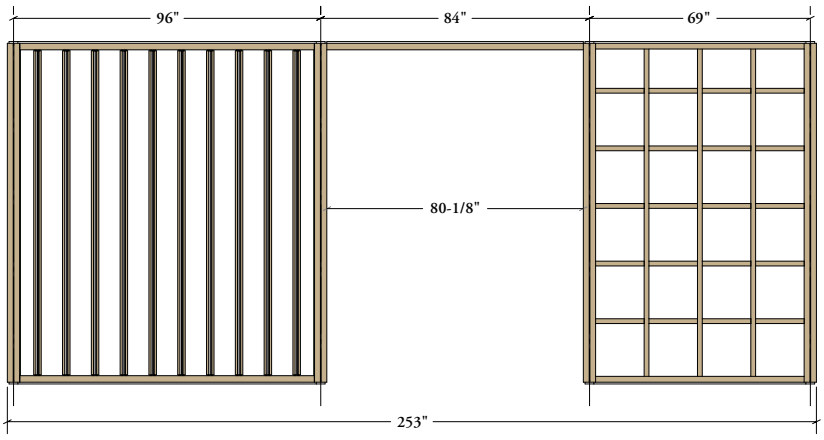
The illustration above demonstrates the grain direction of Standard Flintwood finishes.

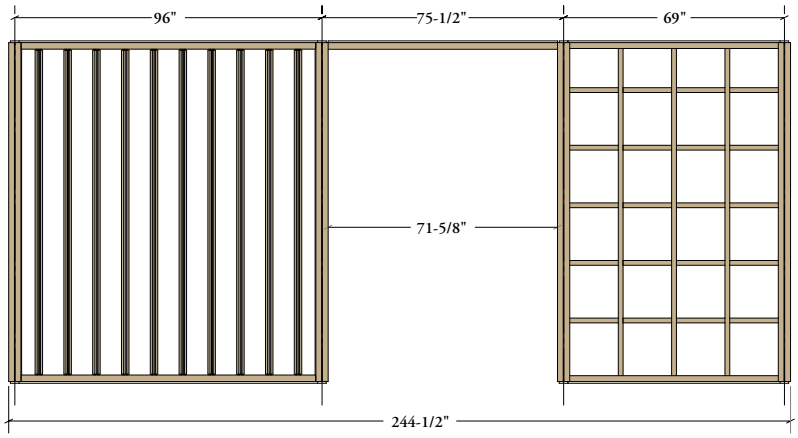
planning with pass-through modules (continued)

The following describes the pass-through modules sizes.



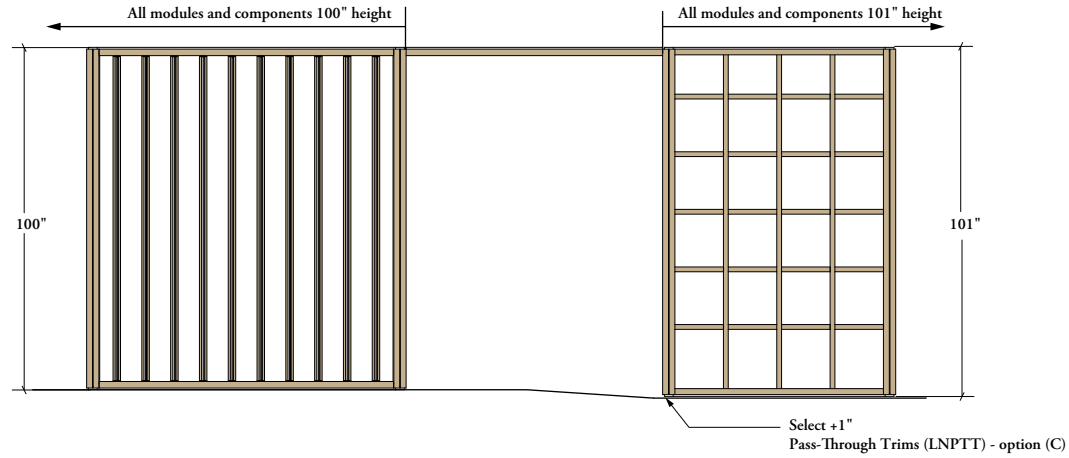
The following shows examples of using the pass-through to get a specific run length OR pass-through clearance opening.

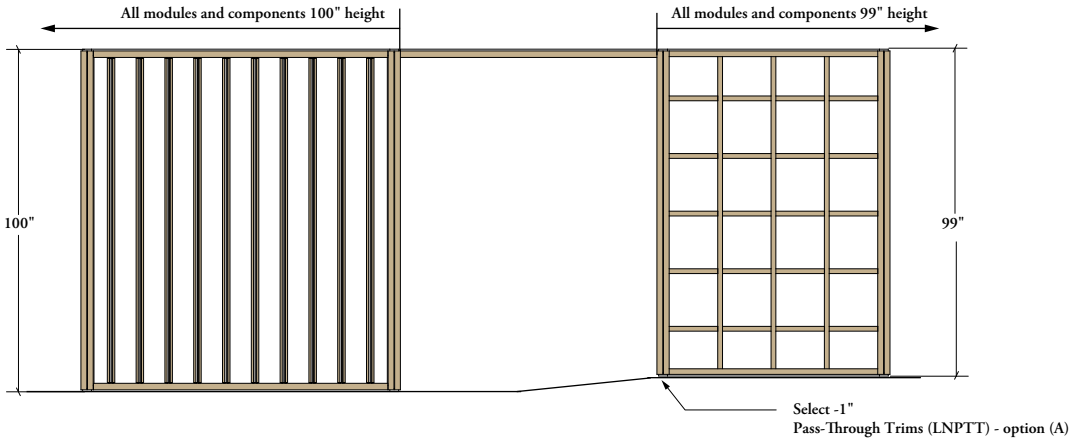




planning with pass-through modules (continued)

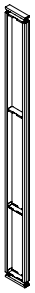
The pass-through modules can be used to accommodate floors that are unlevel greater then 1-1/8" at the floor.





universal parts basics

The Ligna includes the following universal parts.

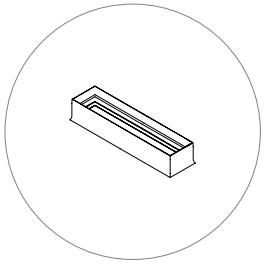


End Trims (LNET)

- Height (left): 96"-120" (1" increments)
- Finish:
  - Flintwood (Standard and Cathedral)

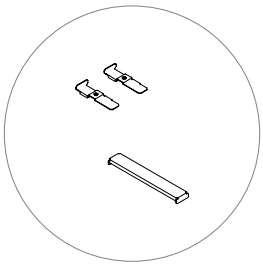
Double Vertical Post (LNDVP)

- Height (left): 96"-120" (1" increments)



Gaskets (LNJ)

- Application:
  - Base Ceiling Gasket
  - Double Post Gasket



Ceiling Hardware (LNCH)

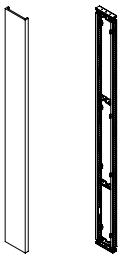
- Application:
  - 15/16" T Track clip
  - Universal Bracket

planning with universal parts

The Ligna includes the following universal parts.

Each Ligna run will require the following:

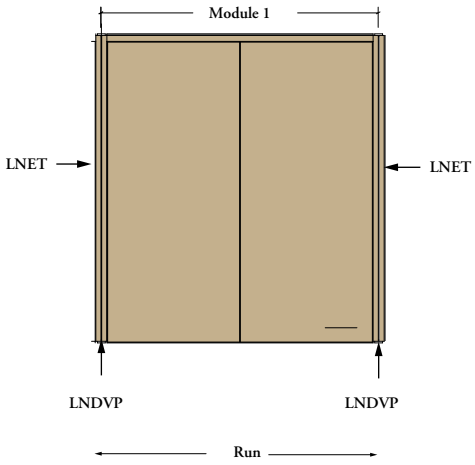
- 2x End Trims (LNET)
  Always at the beginning and end of a Ligna run regardless on the number of modules used.
- 2x or more Double Vertical Post (LNDVP)
  Always at the beginning and end of every module, two adjacent module share the same double post.
- Height is determined by the adjacent module height for both the Double Post (LNDVP) and the End Trim (LNET)



End Trims (LNET)

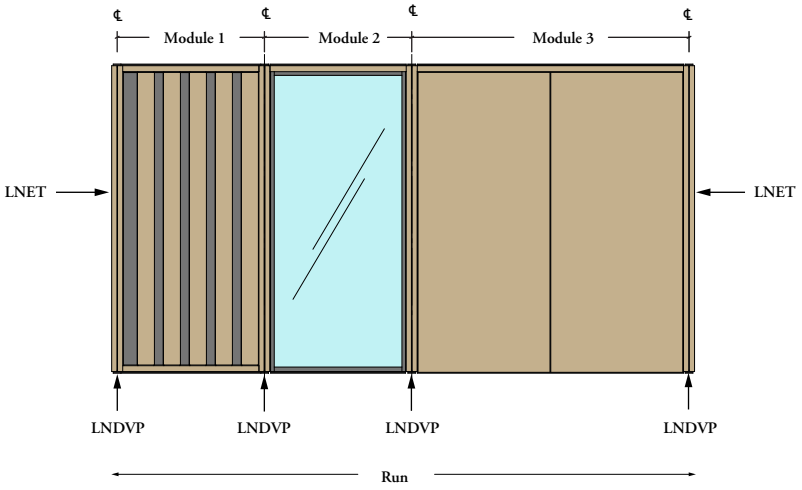
example 1

- 2x End Trims (LNET)
- 2x Double Vertical Post (LNDVP)



example 2

- 2x End Trims (LNET)
- 4x Double Vertical Post (LNDVP)

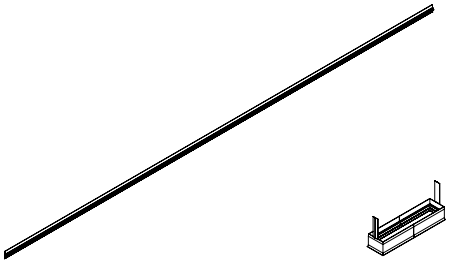


planning with universal parts (continued)

The Ligna includes the following universal parts.

Each Ligna run will require gaskets.

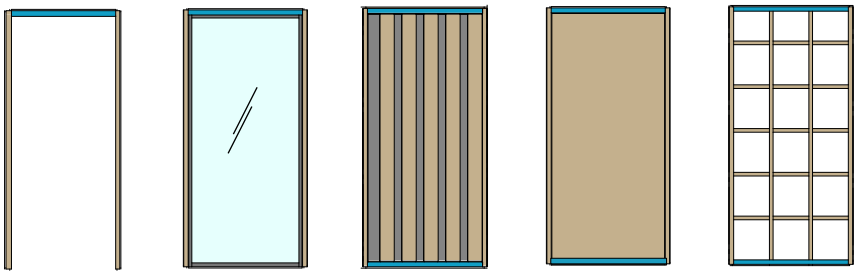
- There are two types:
  - Base/Ceiling Gasket - Options A
  - Double Post Gasket - Options B
- Up to 2x Double Post Gaskets (1x top and 1x bottom) are required for each 1x Double Vertical Post (LNDVP)
- Base/Ceiling Gasket includes 1x 120" length and is cut on site and is required in the following location for each module, see below:



Option A **Option B**

Gaskets (LNJ)

The following show where the Base/Ceiling Gasket - Options A is required and how many. (x2 = 2x module width).



Top: x2 **Top: x2** **Top: x2 Bottom: x2** **Top: x2 Bottom: x2** **Top: x2 Bottom: x2**

See the following examples:

Formula - Gasket - Base/Ceiling - Option A:

Total Quantity Required*:

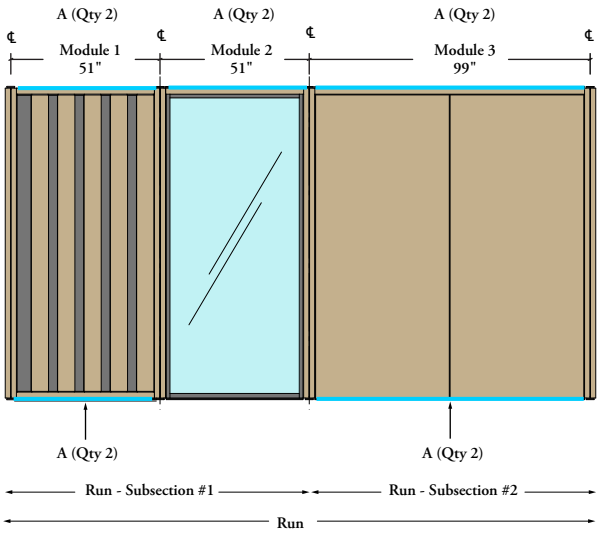
(Module 1 Width x4) + (Module 2 Width x2) / 120 rounded up to next whole number + (Module 3 Width x4) / 120 rounded up to next whole number = Total

* Calculation is used for each run of Ligna, calculation should be done in subsections when a pass-through or glass module is included

Example:

Total Quantity Required:
{(51 x 4) + (51 x 2)/ 120} + {(99 x 4) / 120} = 7

Example Totals:
7x Gasket - Option A (LNJA)

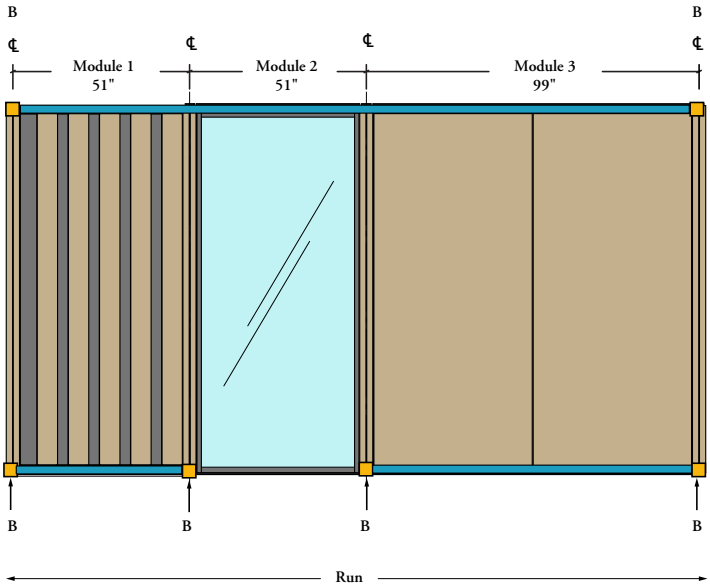


planning with universal parts (continued)

The Ligna includes the following calculations for gasket option B.

Option B

Qty 1x includes a pair of gasket sections front and back.

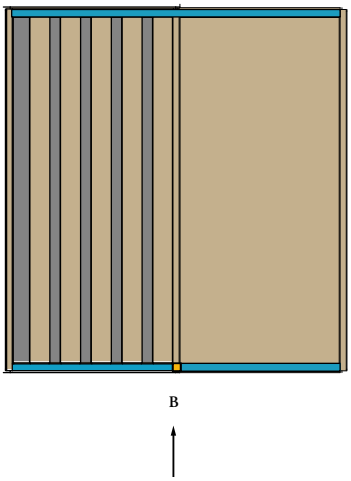


Formula - Option B:

For all Ligna runs, end double posts require 2x Gasket - Option B (LNJB)
(Qty 4 total for run)

No additional Gasket - Option B (LNJB) required between module at the top

Depending on the adjacent module a Gasket - Option B (LNJB) may be required at the bottom. See below:



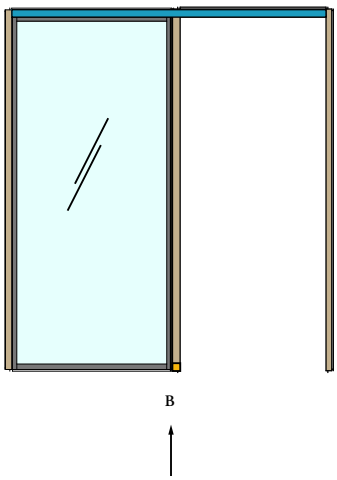
Between modules

Bookshelf or Louver

to

Wall, Glass or Pass-Through

1x Gasket (B) @ Bottom



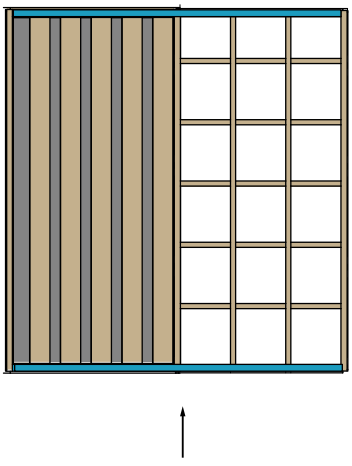
Between modules

Wall, Glass or Pass-Through

to

Wall, Glass or Pass-Through

1x Gasket (B) @ Bottom



Between modules

Bookshelf or Louver

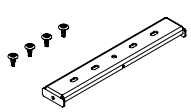
to

Bookshelf or Louver

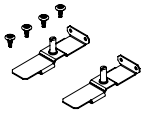
0 x Gaskets(B) required

planning with universal parts (continued)

The Ligna includes the following universal parts.



Option U



Option T

Ceiling Hardware (LNCH)

Each Ligna run will requires ceiling attachment and has two types available for the Ceiling Hardware (LNCH)

- Option U - Universal bracket for drywall, concrete ceilings
- Option T - 15/16" T-Track

Some module horizontal kits require additional hardware to attached to the ceiling.

The number of brackets required is dependent on the type of module selected and its width, see below:

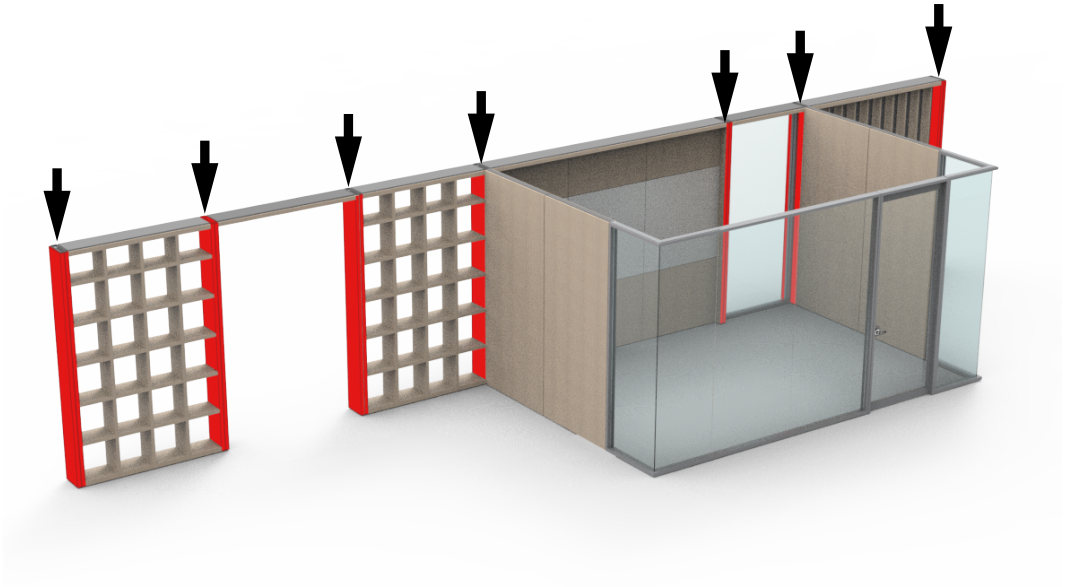
Wall	Qty 2 (18"-99") -3 (102"-144")	(Universal bracket or T-Track option)
Glass	Qty 2 18"-72")	(Universal bracket or T-Track option)
Bookshelf	Qty 2 (51"-69")	(Universal bracket or T-Track option)

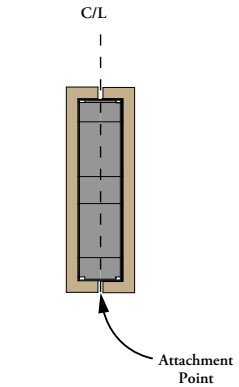
Louver and pass-through modules horizontal kits are used for attachment to ceiling - no additional ceiling hardware required
Drop ceiling applications require planking above the drop ceiling for secure attachment.

Louver	Qty 0 (51"-96")	(Universal bracket or T-Track option*)
Pass-through	Qty 0 (36"-84")	(Universal bracket or T-Track option*)

interface with walls

The following describes how walls can interface with other wall systems.

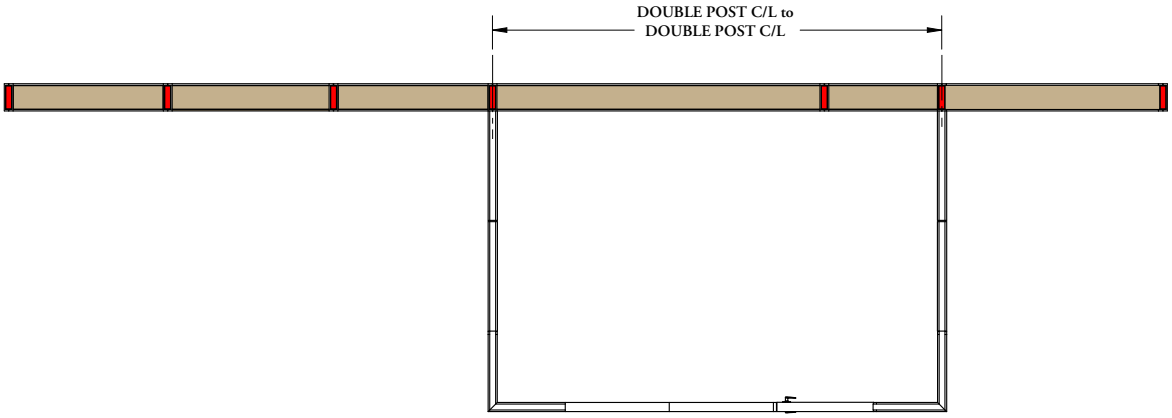




Double Post (Top View)

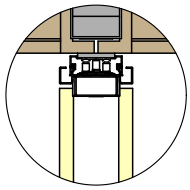
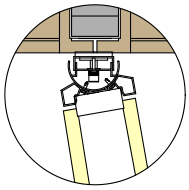
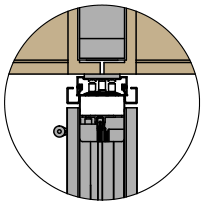
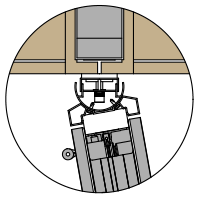
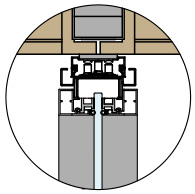
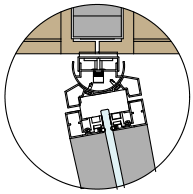
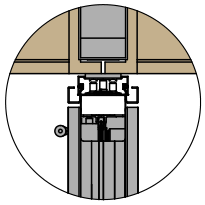
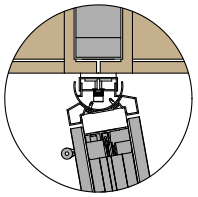
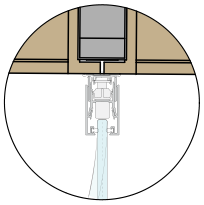
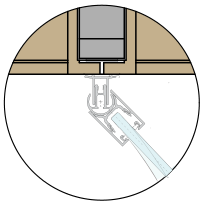
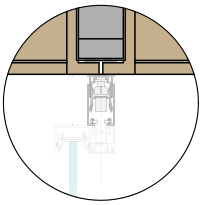
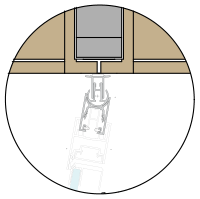
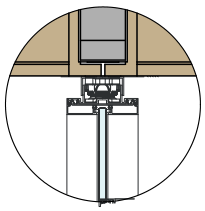
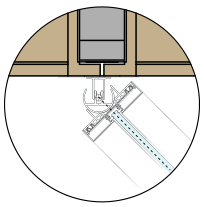
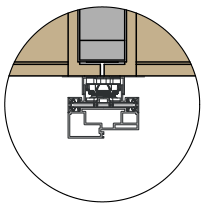
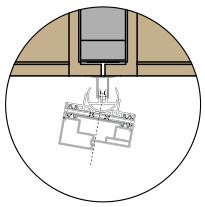
Ligna can interface with a walls at the centerline of the double post to any other double post in a Ligna run.

See example below, all double post locations in red can have walls (Altos, Optos, Tek Vue, Focus) attached perpendicular to the Ligna run.



interface with walls (continued)

The following describes how walls can interface with other wall systems.

	Wall Start	Articulating Wall Start	Wall Start Door	Articulating Wall Start Door
Altos	 FPKW FKW (not shown)	 FKWA	 FPKW	 FKWA
Optos	 FZWS/FXWS	 FZFFS/FXFFS	 FZWS/FXWS	 FZFFS/FXFFS
Tek Vue	 FVSWS	 FVSWA	 FVSDS	 FVSDA
Focus	 FWWSSC FWWSSO (not shown) FWWSDG (not shown)	 FWAWSSC FWAWSSO (not shown) FWAWSDG (not shown)	 FWWSDD	 FWAWSD

There are no restrictions for doors located perpendicular to Ligna.

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