

Library 2.0

Starter and Adder Bookcase Planning Overview



Fleetwood®

Creating effective learning environments™

Tables & Desks | Storage | Seating | Accessories

STATEMENT OF LINE

Library 2.0 products consist of starter and adder bookcases with finishing end panels and fillers, which are used to complete the ready-to-assembly (RTA) assemblies and provide a custom look when installed.

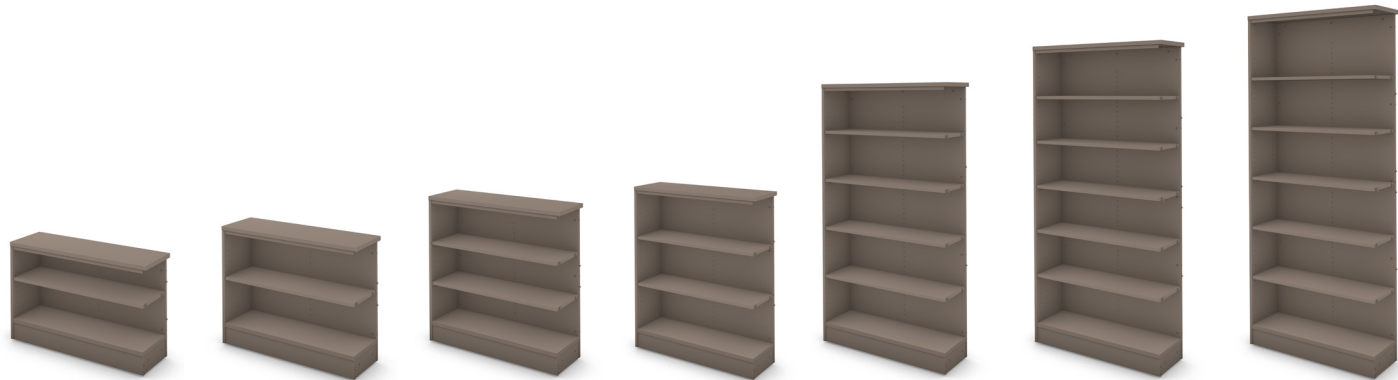
Library shelving is also available in factory-assembled versions, which match the dimensional platforming and aesthetics of Library 2.0 RTA products. These bookcases are also highlighted in this planning overview.

Library 2.0 products also complement Fleetwood’s transaction desk system and Illusions 2.0 and Designer 2.0 products.



STARTER BUILD-UP BOOKCASES

Starter bookcases always begin a run of bookcases. Only one is used within a run. A starter bookcase left end panel only has shelf holes on the right side of the board. All shelves are adjustable. Units 68”H and higher, do require the middle shelf to be mechanically secured after placed in desired location on the first and last bookcase in the run. All build-up bookcases have finished back panels and/or divider panels.



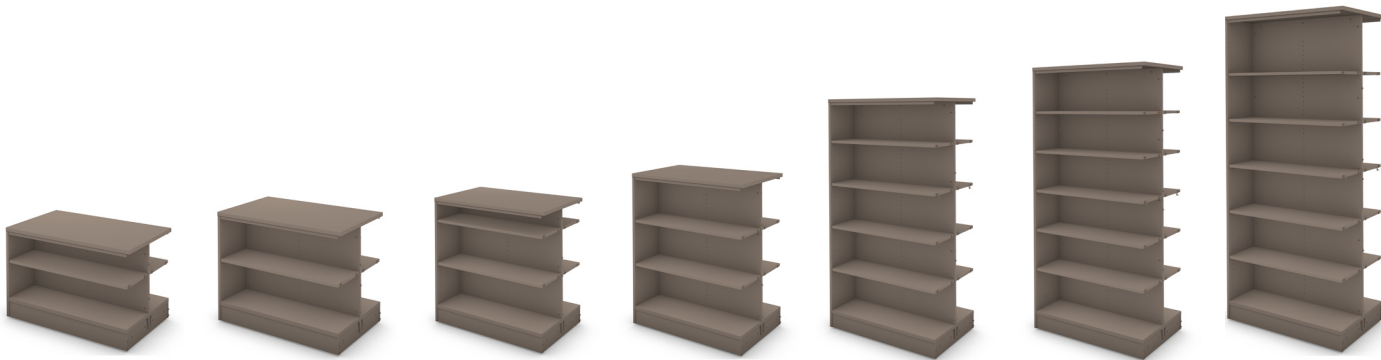
STARTER BOOKCASE: SINGLE-SIDED

ADDER BUILD-UP BOOKCASES

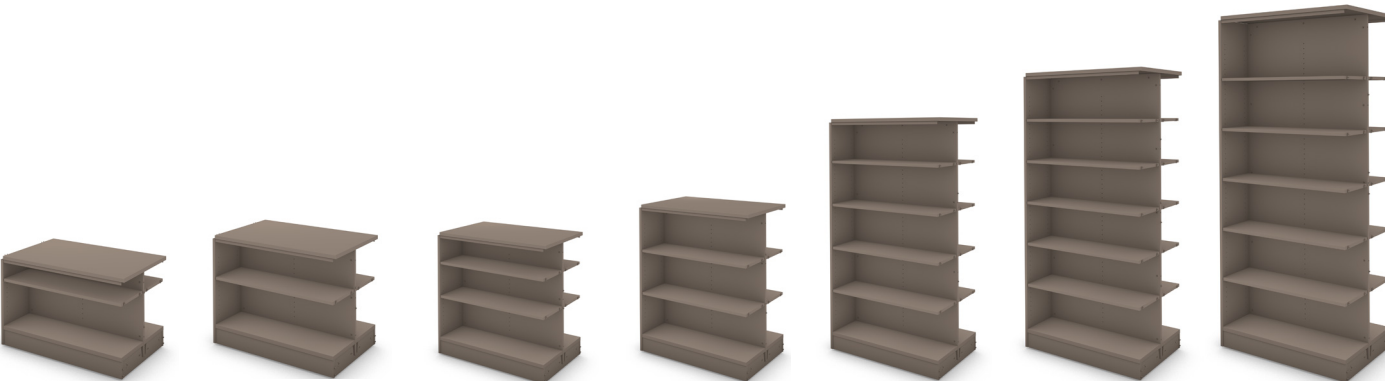
The first adder bookcase in a run always attaches to a starter bookcase. Additional adder bookcases attach to that first adder bookcase if desired. An adder bookcase left end panel has shelf holes on both sides of the board. All shelves are adjustable.



ADDER BOOKCASE: SINGLE-SIDED



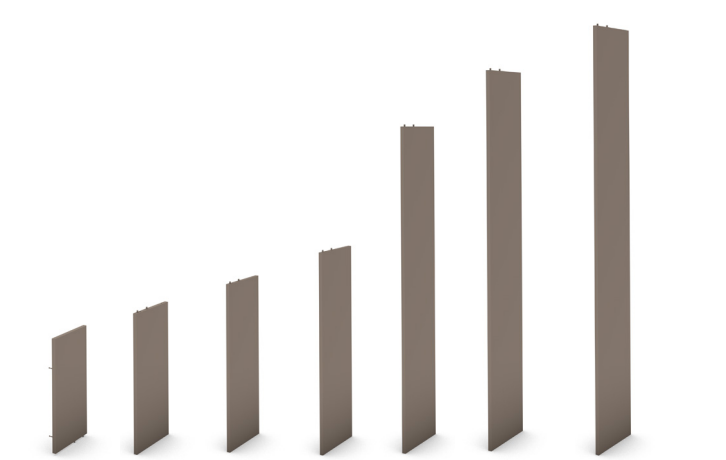
STARTER BOOKCASE: DOUBLE-SIDED



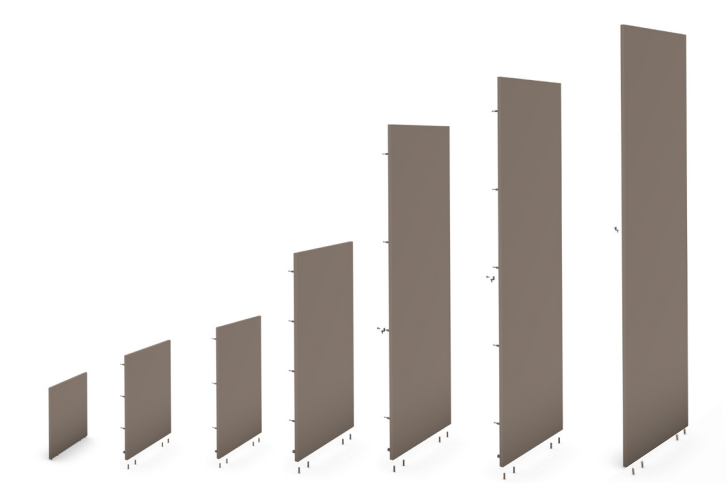
ADDER BOOKCASE: DOUBLE-SIDED

END-OF-RUN BUILD-UP PANEL

End-of-run panels can attach to either a starter bookcase or an adder bookcase. They cap a run of bookcases or are used whenever a run changes height. An end panel has holes on the left side of the board.



END-OF-RUN PANEL: FOR SINGLE-SIDED BOOKCASE



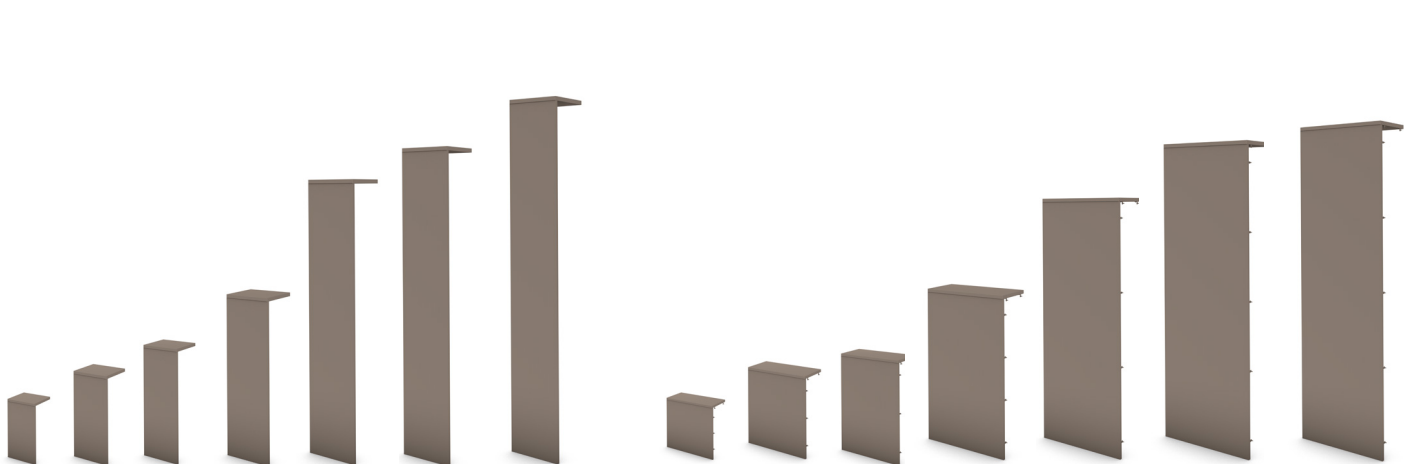
END-OF-RUN PANEL: FOR DOUBLE-SIDED BOOKCASE

FILLER FOR BUILD-UP BOOKCASES

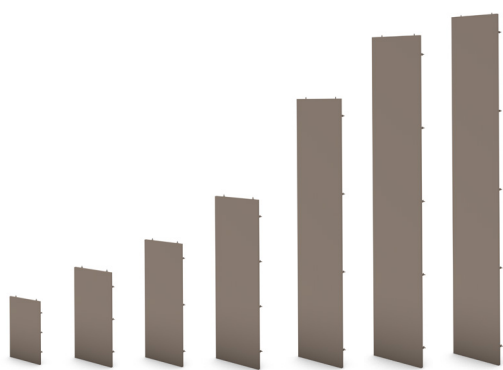
Fillers conceal gaps that are created when a run is built. A filler fills in light gaps. A filler kit has two pieces. The top cap fills light gaps created between the tops of two or more adjoining bookcases. The vertical panel fills light gaps created where the vertical panels of two bookcases come together.

Fillers cover the space 1) between an end-of-run end panel and the wall, 2) two bookcases in an L-configuration, 3) three bookcases in a T-configuration, and 4) four bookcases in a X-configuration. They are used in both perimeter and open-plan configurations.

Fillers are non-structural. They are always used in conjunction with an end-of-run panel and/or starter bookcase (if the filler is to the left of the starter bookcase). In all cases where a filler is used, you will need the top cap/vertical panel kit. For some open plan applications, you will also need to purchase a separate vertical panel. The vertical panel filler will always be installed parallel to the top and vertical panel kit. This creates a light seal on all corners of adjoining bookcases.



FILLER: TOP AND VERTICAL PANEL KIT
12.5"W AND 24"W



FILLER: VERTICAL PANEL ONLY
12.5"W AND 24"W

BOOKCASE KIT

Bookcase kits consist of a starter bookcase and an end-of-run panel. They ship RTA. If a pre-assembled bookcase is preferred, see pre-built bookcases in the statement of line. Only use these if you want a stand-alone bookcase that ships RTA. When planning for a run, use starter, adders and end-panels on CET or the programming will not work properly.



BOOKCASE KITS
Bookcase kits consists of starter bookcase and end panel

PRE-BUILT BOOKCASE

Pre-built bookcases are factory assembled. The single-sided version is 14”D and the double-sided version is 28”D. The casters on the mobile bookcase are concealed.



**PRE-BUILT BOOKCASES:
SINGLE-SIDED STATIONARY**



**PRE-BUILT BOOKCASES:
DOUBLE-SIDED STATIONARY**

UNDERSTANDING SHELVING CAPACITY

BOOK TYPE	ITEMS PER LINEAL FOOT	ITEMS PER 24"W BOOKCASE SHELF*	ITEMS PER 30"W BOOKCASE SHELF*	ITEMS PER 36"W BOOKCASE SHELF*
Youth fiction	10	18	23	28
Youth nonfiction	11	20	26	31
Picture book	19	35	45	54
Easy reader	23	43	54	66
Teen fiction	11	20	26	31
Teen nonfiction	11	20	26	31
Adult fiction	11	20	26	31
Adult nonfiction	11	20	26	31
DVD	17	31	40	48

* 1.5” subtracted to allow for two 3/4” thick end panels.

When calculating books for different bookcase heights:
1. Include the number of shelves called out in the chart
2. Add one (1) additional shelf for the bookcase bottom panel, which acts as a shelf.
So, if "1" shelf is shown, use two (2) shelves instead in calculations.

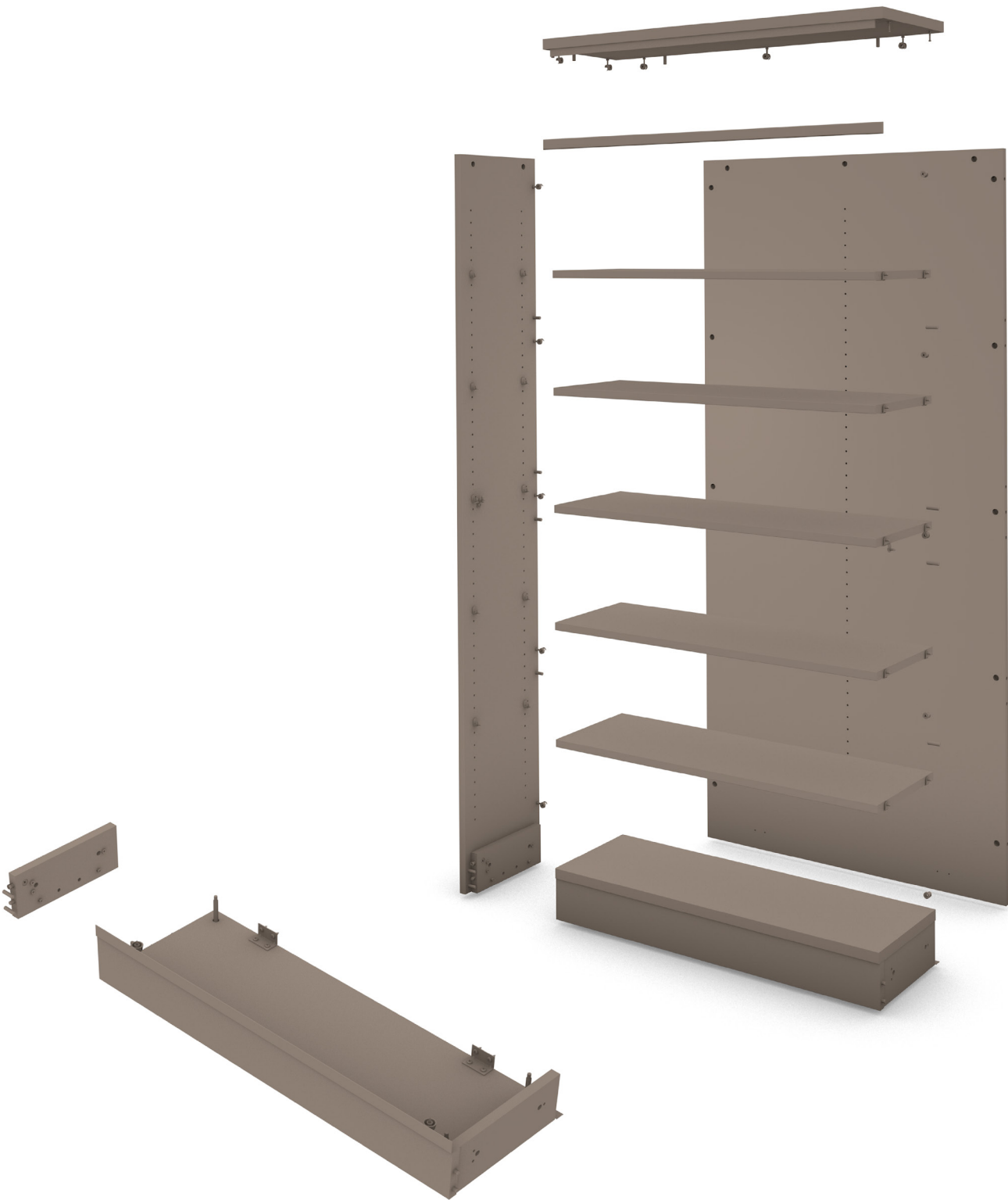


**PRE-BUILT BOOKCASES:
DOUBLE-SIDED MOBILE**
Casters are concealed on mobile bookcases.

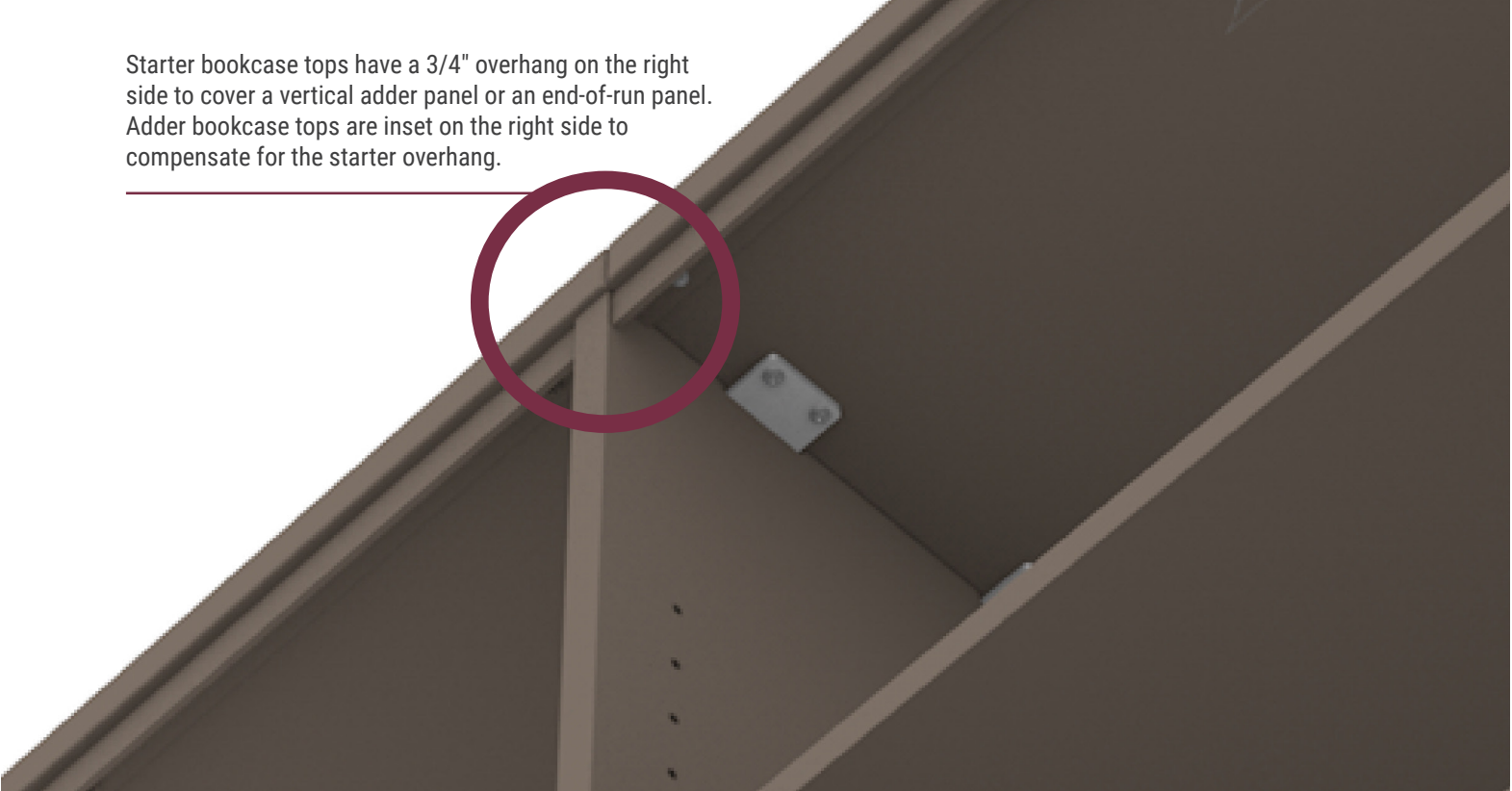


CONSTRUCTION OVERVIEW

- All panels are ¾” thick panels and all exposed edges are edgebanded. The bookcase tops and the bottom shelf panel are the exception. They are 1” thick panels. The top also has 3mm edgebanding.
- All laminate shelves are 3/4” thick and are identical to Designer 2.0 and Illusions 2.0 shelves. No shelves are fixed. End panels have nominal 1” continuous hole placement on end panels to allow for flexible placement.
- All build-up bookcases come standard with either a finished back panel or divider panel.
- The base is shipped as a sub-assembly. The bottom shelf panel connects to the base subassembly with a friction fit to minimize installation time and provide easy access to adjustable levelers.
- Product features camlock construction.
- Ships RTA.



Starter bookcase tops have a 3/4" overhang on the right side to cover a vertical adder panel or an end-of-run panel. Adder bookcase tops are inset on the right side to compensate for the starter overhang.



All build-up bookcases feature 4"H levelers so no shims are needed. Plus, the bottom shelf has a friction fit for easy field access to levelers.

GENERAL PLANNING STEPS

STEP 1

- Plan from left to right when building a bookcase run in CET.
- Note: Bookcases can be installed in either direction.



STEP 2

Begin a run with a starter build-up bookcase.



STEP 3

- Add either an adder build-up bookcase or an end-of-run panel to a starter build-up bookcase.
- A starter bookcase can accept either an adder bookcase or an end-of-run end panel. It cannot be attached to another starter bookcase.



STEP 4

- Add more adder bookcases until the desired length of run is established.
- An adder bookcase can accept either another adder bookcase or an end-of-run end panel.
- Adder bookcases have no maximum number of additional adder bookcases that can be added to them in a run.



STEP 5

- Complete all bookcase runs with an end-of-run panel.
- All runs of bookcases must end with an end-of-run end panel.



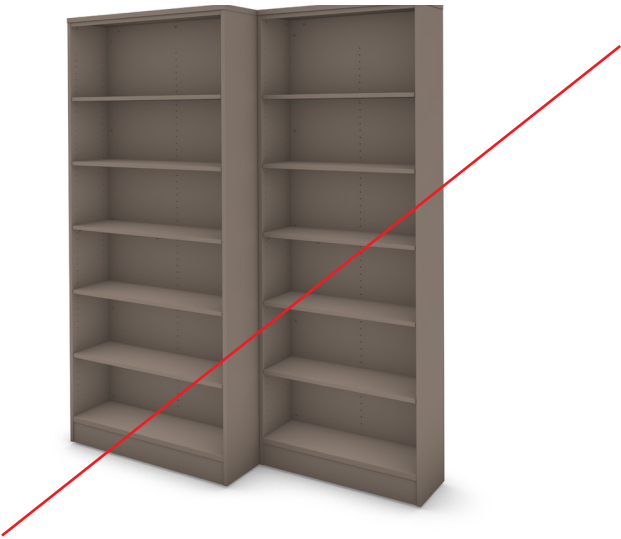
BUILDING OUT SINGLE-SIDED RUN

Single-sided bookcases only can be joined in-line to other single-sided bookcases or a 12.5"D finishing end panel



BUILDING OUT DOUBLE-SIDED RUN

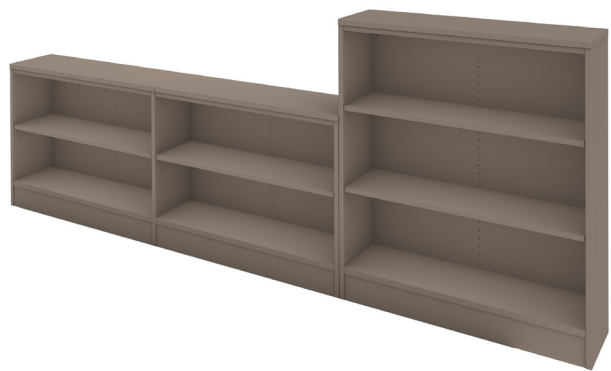
- Double-sided run may also be capped on the end with a single-sided 24"W build-up bookcase kit.
- Double-sided bookcases only can be joined in line to other double-sided bookcases or a 24"D finishing end panel



EXAMPLE OF AN INCORRECT BUILT OUT

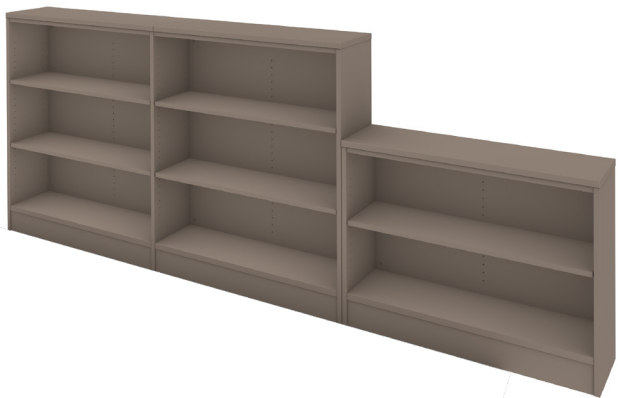
Single- and double-sided built-up bookcases cannot share end panels. Change of depth requires a new starter build-up bookcase.

TIPS



CHANGING TO A LARGER BOOKCASE

Order a finishing end panel for the shorter bookcase on the left and then restart with a “starter” bookcase for the taller bookcase placed next to the shorter bookcase.



CHANGING TO A SHORTER BOOKCASE

Order a finishing end panel for the taller bookcase on the left and then restart with a “starter” bookcase for the shorter bookcase placed next to the taller bookcase.



FILLER AND END-OF-RUN END PANEL

Filler panels are commonly used when:

- The run has gaps occurring between the end-of-run panel and the wall
- A corner condition occurs because adjoining bookcases will be at 90 degrees
- A T-condition exists because either a single- or double-sided bookcase is extending from the original bookcase run

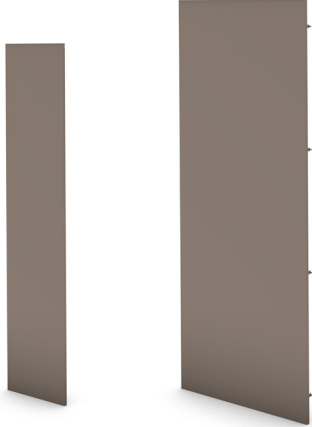
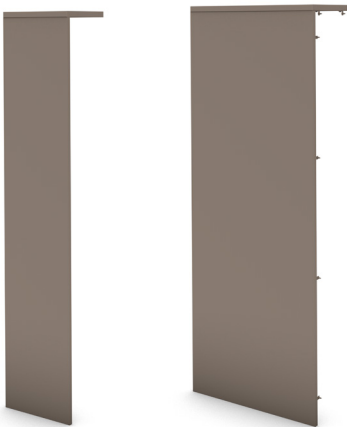


FILLER BASICS

Fillers are used in multiple applications. As previously mentioned, fillers are non-structural and must always be next to a structural end panel. Some applications include:

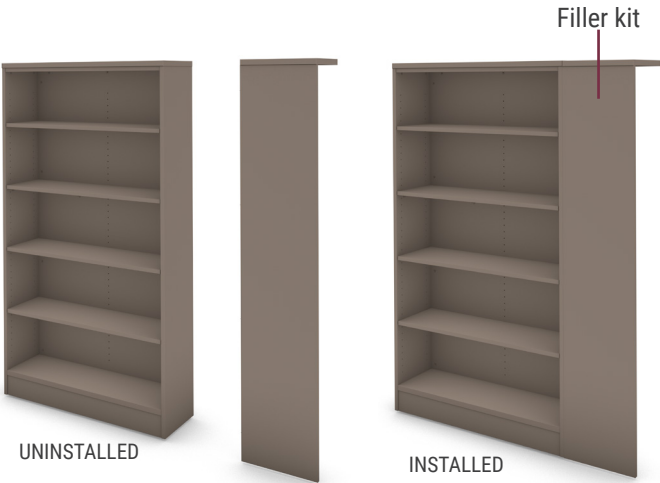
- Left side of a starter bookcase next to a wall
- Right side of an end-of-run end panel next to a wall
- Between two sets of bookcases in an in-line condition that may have an architectural obstruction
- At the junction where two sets of bookcases come together at a corner
- At the junction where three sets of bookcases come together in a T-configuration

See below for some general guidelines. See chart for more specifics on when to use end panels and fillers.



FILLER KITS

- Filler kits with a top cap panel and vertical panel can be used in perimeter (against a wall) and open plan applications.
- When installed, an air pocket will be present behind the filler kit. This opening will be against a wall.

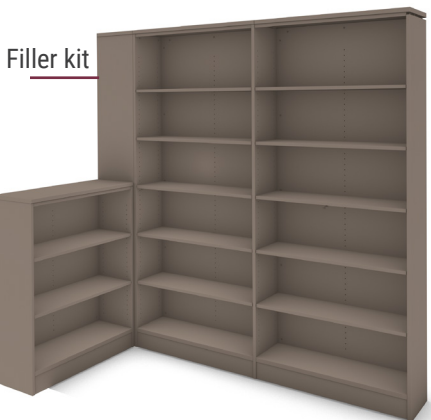


IN-LINE CONDITION

- The filler kit closes off a gap between the end-of-run end panel on an adder bookcase and the adjoining wall.
 - A filler kit may also be used on the left side of a starter bookcase to fill a gap between the wall and bookcase.
- NOTE: The filler kit may be field cut for a custom fit.

VERTICAL FILLER PANEL

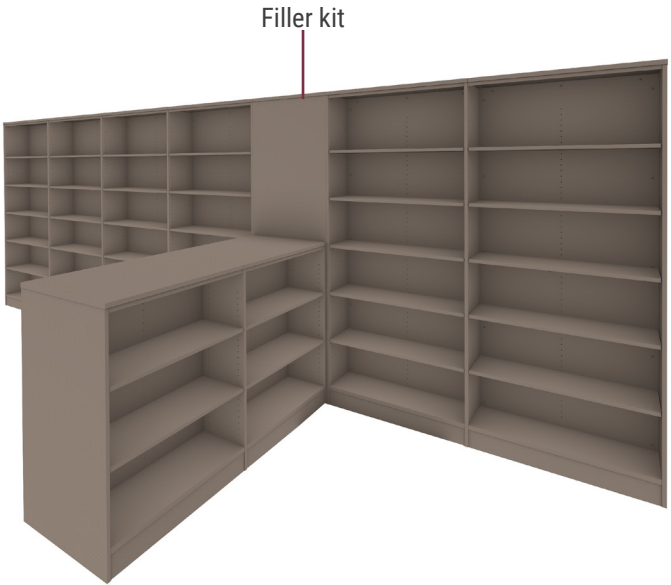
- Vertical filler panels are only used in open plan applications and MUST be used in conjunction with a filler kit that has a top cap panel and vertical panel.
- The single vertical panel filler is always placed opposite of the other vertical filler panel (that is part of the filler kit).



L- (CORNER) CONDITION

When two bookcases come together at a 90 degree angle, the front edges of the tops touch each other (nominally) and the bookcase end panels are close to each other and parallel. A square gap (i.e., 12.5" x 12.5") is created and visible in 2D top view. A small vertical gap exists between the two vertical side panels. The filler kit conceals these gaps.

FILLER KIT

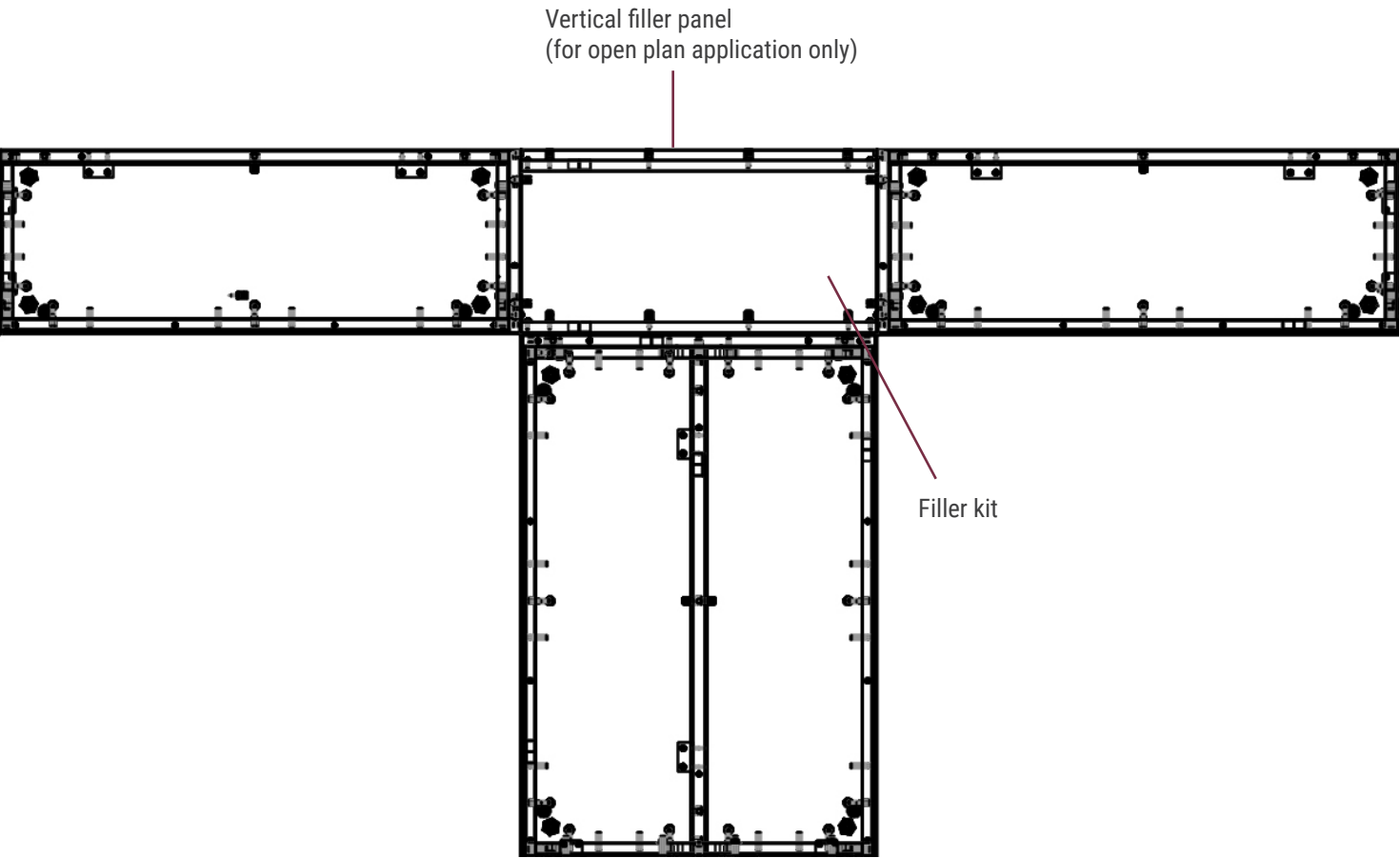


T-CONDITION

- When three bookcases come together, a 12.5"D x 12.5" W panel-height gap is created when single-sided bookcases come together or a 12.5"Dx24"W panel-height gap is created if two single-sided bookcases join with one double-sided bookcase. If against a wall, use the appropriately sized filler kit. If in the open plan, also purchase an additional vertical panel filler.

NOTE: Any applications above 37"H with single-sided bookcases coming out in a T-configuration will require attachment to the floor. Local codes may require even stricter attachment requirements.

NOTE: Two-single sided bookcases may be used back-to-back coming out in a T-configuration, but they should be attached to each other and potentially the floor. This might be appropriate if the 24"H bookcase is being used as a bench with the taller bookcase acting as a back rest. Because the overall width of the "T" is 25" if single-sided bookcases are used back-to-back, use the 24"W filler, but know that the protruding bookcases will slightly overlap the end panels of the bookcases on the single-sided bookcase run.



KEY FILLER GUIDELINES



FILLERS ATTACH TO RIGHT OF BOOKCASE

Filler kits can attach to the right of a end-of-run end panel that is used with either a starter or adder bookcase. The filler will be encased between the last bookcase and an adjoining wall. It does not need to attach to the wall. Fillers may also be sandwiched between two bookcases to conceal items protruding from a wall.



FILLERS ATTACH TO LEFT OF BOOKCASE

Filler kits can attach to the left side of a starter bookcase. Bookcase that has no end-of-run panel.



FILLERS NEED END PANELS

Filler kits cannot attach directly to the right side of a starter or adder bookcase. A end-of-run end panel must be present.

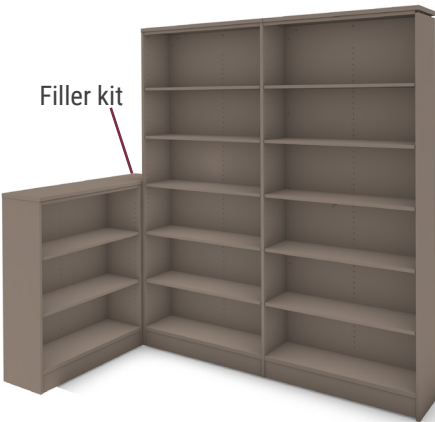
FILLER HEIGHT

Filler height must either match the tallest bookcase or the shortest bookcase depending on the designer's desired aesthetic. Examples are above



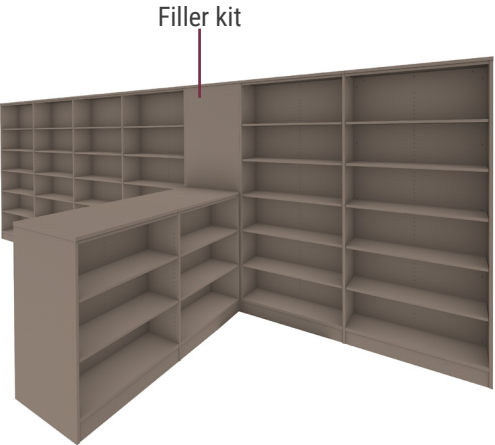
MATCH TALLER BOOKCASE HEIGHT

If a tall bookcase and a short bookcase are coming together at a corner and both are against a wall, a tall filler might be more desirable to create the best aesthetic.



MATCH LOWER BOOKCASE HEIGHT

- If a tall bookcase (against a wall) has a short bookcase at a corner moving into the open plan, a short filler might be the best filler to fill the gap created at the junction.
- Fillers may be field cut to the proper width.



HEIGHT CHANGE IMPACTS FILLER SELECTION

- If three bookcases come together in a T-configuration in an open plan condition, the filler may be either taller or shorter depending on how many tall and short bookcases are used and the their adjacency.
- Always make sure a filler is capped on the side by an adjoining bookcase so no air gaps are created.

FILLER COMBINATIONS

		SINGLE TO WALL	SINGLE-TO-SINGLE SIDED	SINGLE-TO-SINGLE SIDED	SINGLE-TO-DOUBLE SIDED	SINGLE-TO-DOUBLE SIDED	DOUBLE TO WALL	DOUBLE-TO-DOUBLE SIDED	DOUBLE-TO-DOUBLE SIDED
		Same height	Same height	Change-of height	Same height	Change-of-height	Same height	Same height	Change of height
Perimeter	In-line	Use a LFT1212XX filler or a LFT2412XX filler (depending on gap to wall)	Use a LFT1212XX filler or a LFT2412XX filler depending on gap size desired. If space larger than 24"W is desired, see Fleetwood specials.	Use a LFT1212XX filler or a LFT2412XX filler depending on gap size desired. Match height to lowest bookcase. If space larger than 24""W is desired, see Fleetwood specials.	N/A	N/A	N/A	N/A	N/A
Perimeter	Corner (90 degree)	N/A	Use a LFT1212XX filler	Use a LFT1212XX filler	N/A	N/A	N/A	N/A	N/A
Perimeter/open plan combo (one bookcase run against wall with second run coming off of the wall)	Corner (90 degree)	N/A	Use a LFT1212XX filler	Use a LFT1212XX filler	Use a LFT2412XX filler	Use a LFT2412XX filler	N/A	N/A	N/A
Perimeter	T (coming off into open plan)	N/A	Use a LFT1212XX filler NOTE: "T" bookcase 37"H and above need to be secured to floor.	Use a LFT1212XX filler NOTE: "T" bookcase 37"H and above need to be secured to floor.	Use a LFT2412XX filler	Use a LFT2412XX filler	N/A	N/A	N/A
Perimeter	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Open plan	In-line	N/A	Use either LFT1212XX and a LF12XX combo or LFT2412XX and a LF24XX combo depending on gap to wall. Installer may need to field modify depending on gap.	N/A	N/A	N/A	User LFT1212XX and a LF12XX	Use LFT2412XX and a LF24XX combo. Installer may need to field modify depending on gap.	
Open plan	Corner (90 degree)	N/A	See Fleetwood specials group for unique end panel	See Fleetwood specials group for unique end panel	See Fleetwood specials group for unique end panel	See Fleetwood specials group for unique end panel	N/A	See Fleetwood specials group for unique end panel	See Fleetwood specials group for unique end panel
Open plan	T	N/A	Use LFT1212XX and a LF12XX	Use LFT1212XX and a LF12XX	Use a LFT2412XX and a LF24XX	Use a LFT2412XX and a LF24XX	N/A	Use LFT2412XX and a LF24XX combo	Use LFT2412XX and a LF24XX combo
Open plan	X	N/A	Use LFT1212XX and a LF12XX	Use LFT1212XX and a LF12XX	Use a LFT2412XX and a LF24XX	Use a LFT2412XX and a LF24XX	N/A	Use LFT2412XX and a LF24XX combo	Use LFT2412XX and a LF24XX combo