

Input Flush Headers

There are two basic acceptable methods that are preferred by the builders:

- Single Ply of TimberStrand[®] LSL Rim Board with Single Ply 1¾" TimberStrand[®] LSL or Microllam[®] LVL
- 2. Double Ply of TimberStrand® LSL Rim to span the opening.

Note: TimberStrand[®] LSL Rim requires 1'-0" minimum bearing. Both methods are designed solutions in Javelin[®].

Benefits

- Save time on the job site during installation for your customer.
- Provide member reports for header designs.
- Connector are specified and designed.
- Cost saving on the materials and installation.

Steps:

- 1. Draw in your plan as you normally do until it's time to input the flush headers in the foundation level.
- 2. Most plans are drawn with centre line header dimensions. Input a **Workline** or **Workpoint** for each opening you need to create. This allows you to identify the centre of the opening.
- 3. Pick the **Break at Location** command > Select the Wall to break > pick the intersection of the Workline and wall for the break location. Repeat for all headers.
- 4. Select both walls at the break location.
- 5. Right click in white space and select **Extend by length** command input **-2.5'** this will create a gap of 5'. Repeat this step for each opening.
- 6. Input and AutoFrame the Floor Container.
- 7. Select rim hanging in the opening; use the **Split at location** command to break the rim at the end of wall, to create another object for the header piece.
- 8. Drag Rim pieces over wall to line up with end of wall.
- Select Rim pieces on wall and Extend By Length by the required bearing of 12" for the header material you are using.
- 10. Drag the ends of the header rim piece to the ends of the Rim on the walls.







Efficiency Tip 14010



Floor - Accessory

Туре

Plies

Width Depth

Justification

TS1 TSCal

Floor - Accessory

Application

Material

. ...

Accessory Properties

Advanced Material Width Depth Justification

TSCa1

TSCa1-

Materia

Accessory Properties

Advanced Material

Non-Parallel Closure Parallel Closure

Intermediate

Strip Bracing

Left side

Non-Parallel Closure

1 1/4" x 11 7/8" 1.3E TimberSt

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Rim

TSCa2-2

Cantilever Clo

- 11. Repeat steps 7 through 10 for each opening.
- Note: Once opening modifications are complete do not use AutoFrame Floor Container or Generate Accessories commands on the Floor Container tool bar. This will remove all of the headers.

Method 1 – Rim Board + Beam

- 12. Select the input **Beam** command to draw in a single ply Flush 1¾" TimberStrand[®] LSL or Microllam[®] LVL beam on the same inside and same length as the Rim material.
- 13. Select the Header piece of Rim, in the properties grid change the application to **Cantilever Closure**; otherwise the single piece of rim will fail when the file is designed.

Note: Cantilever Closure does not get designed by Javelin, it only transfers loads to its supporting Objects. The Beam object will provide support for the Joist and Wall above.

Method 2 – Double Rim Board

12. Select the Header piece of Rim, in the properties grid change the Plies to equal **2**.

Note: This can be a more economical solution for your builder. Verify with your local pricing.

13. Go to next step.

Tip: When inserting the beam or changing the number of plies the system corrects the interferences automatically save you some extra step to clean these interferences.

14. If the Joist is 2" or less from the end of the beam or rim an offset flange connector will be created. To eliminate this connector increase the length of the beam or rim header to $2^{1}/_{16}$ " from the side of the joist to the end of the supporting member.

For more information regarding our Trus Joist[®] Rim Board products please see our *Specifier's Guide <u>#TJ-8500</u>* available on our website <u>www.woodbywy.com</u>.

