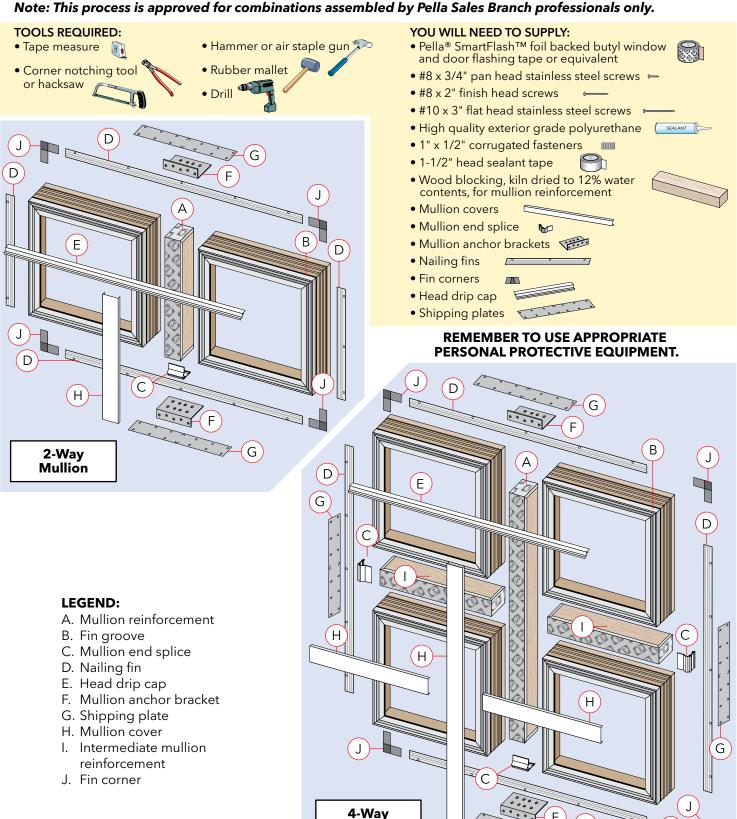
Part Number: 80EH0001 © 2013 Pella Corporation



## WINDOW WITH FIN COMBINATION ASSEMBLY INSTRUCTION **USING WOOD BLOCKING MULLION REINFORCEMENT**



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Mullion

D

Note: For standard intermediate mullions (without reinforcement) refer to Standard Mullion Instructions. For reinforced intermediate mullions, proceed to Step 1 - Mulling Intermediate Combinations.

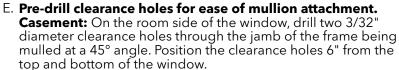
Note: If you are assembling a 2-way reinforced mullion (two units mulled together, either side by side or one above the other) proceed to Step 2 - Continuous Mullion Assembly.

## MULLING INTERMEDIATE COMBINATIONS

- A. Cut the wood blocking mullion material 1/4" shorter than the window.
- B. Cut flashing tape 10" longer than the length of the mullion. Note: Two pieces of flashing tape are required for

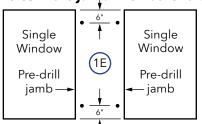
mullions wider than 2".

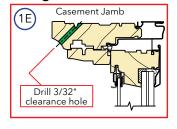
- C. Remove the paper backing from the flashing tape and apply to the mullion blocking. Ensure the ends of the mullion blocking are completely covered and the tape wraps over the sides.
- D. Cut a mullion end splice to the width of the wood **blocking** and attach to the face of the wood blocking with four #8 x 3/4" pan head stainless steel screws or 1 x 3/4" staples. Apply a piece of flashing tape over the mullion splice, wrapping the tape onto the sides of the wood blocking.

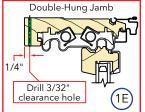


Double-Hung and Clad Frame: On the room side of the window, drill two 3/32" diameter clearance holes through the jamb of the frame being mulled at the locations shown. Position the clearance holes 6" from the top and bottom of the window.

Note: Architect Series double-hung: Use the pre-punched holes in the jamb liner rather than drilling holes in the interior frame edge.

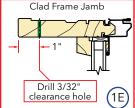






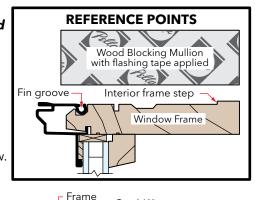
(1F)

1F



F. Place a 3/8" continuous bead of sealant down the interior frame step and fin groove of the window. At the point where there will be a mullion end splice, place a bead of sealant forming a triangle. Start at the end of the fin groove sealant, across the outer face edge of the window then at a 45 degree angle back to the original sealant bead.

- G. Place the wood blocking mullion on the window, align the outer edge of the mullion splice with the exterior edge of the window frame.
- H. Attach the window to the mullion by driving #8 x 2" finish head screws into each of the pre-drilled clearance holes.
- I. Place a continuous bead of sealant on the second window, down the interior frame step and fin groove. At the point where there will be a mullion end splice, place a bead of sealant forming a triangle.
- J. Place the second window onto the mullion reinforcement. Align the outer edge of the mullion splice with the exterior edge of the window frame.
- K. Attach the second window to the mullion by driving #8 x 2" finish head screws into each of the pre-drilled clearance holes.
- L. Attach the windows together on the interior using 1" x 1/2" corrugated fasteners, beginning 6" from each end and spaced a maximum of 16" on center.



Cut 1/4"

cover ends

completely

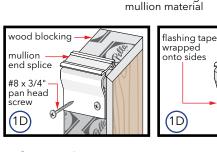
wraps to

the sides

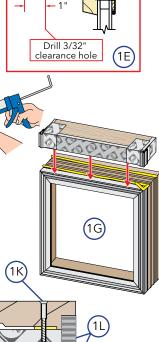
(1C

shorter

∠ Wood blocking



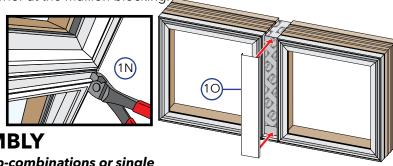
1A



M. Tool the sealant lines on both the interior and exterior at the mullion blocking.

N. **Using a corner notching tool or hacksaw, notch corners** wherever a mullion cover, head drip fin or frame expander will run through a joint.

O. Cut a piece of mullion cover 5/8" shorter than the window, center on combinations and use a rubber mallet to snap the mullion cover in place.

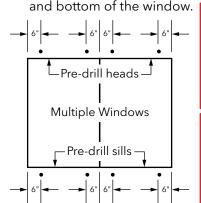


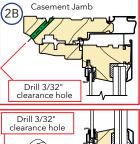
## CONTINUOUS MULLION ASSEMBLY

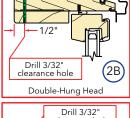
This step is for continuous mullion application, where sub-combinations or single windows are mulled together using continuous mullions.

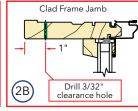
- A. Prepare sub-combinations according to the instructions in Step 1 MULLING INTERMEDIATE COMBINATIONS.
- B. Pre-drill clearance holes for ease of mullion attachment.

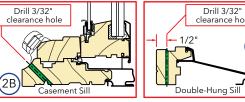
**Casement:** On the room side of the window, drill two 3/32" diameter clearance holes through the sill or head of the frame being mulled at a 45° angle. Position the clearance holes 6" from the top and bottom of the window. **Double-Hung and Clad Frame:** On the room side of the window, drill two 3/32" diameter clearance holes through the sill or head of the frame being mulled at the locations shown. Position the clearance holes 6" from the top



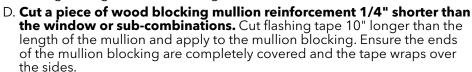












E. Cut a two mullion end splices to the width of the wood blocking. Attach an end splice to each end face of the wood blocking with two screws. Apply a piece of flashing tape over the mullion splice, wrapping the tape onto the sides of the wood blocking.

F. Place the wood blocking mullion on the window or sub-combinations, align the outer edge of the mullion splice with the exterior edge of the window frame.

G. **Attach the mullion to the window or sub-combinations** by driving #8 x 2" finish head screws into each of the pre-drilled clearance holes.

H. **Place a 3/8" continuous bead of sealant** on the second window or set of sub-composites, down the interior frame steps and fin grooves. At the point where there will be a mullion end splice, place a bead of sealant forming a triangle.

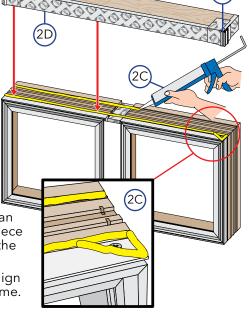
 Place the second window or set of sub-combinations onto the mullion reinforcement. Align the outer edge of the mullion splice with the exterior edge of the window frame.

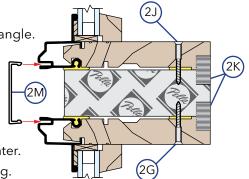
J. Attach the second window or set of sub-combinations to the mullion by driving #8 x 2" finish head screws into each of the pre-drilled clearance holes.

K. Attach the windows together on the interior using 1" x 1/2" corrugated fasteners, beginning 6" from each end and spaced a maximum of 16" on center.

L. Tool the sealant lines on both the interior and exterior at the mullion blocking.

M. Cut a piece of mullion cover 5/8" shorter than the combinations, center on combinations and use a rubber mallet to snap the mullion cover in place.





## 3 COMPLETING THE COMBINATION ASSEMBLY

Note: Wood blocking behind the fin is recommended to support

the fin and prevent damage.

A. **Install continuous nailing fins** around the combination.

