FIELD MULLING WITH STRUCTURAL REINFORCEMENT

- KVW products are designed with the same exterior and interior accessory groove to facilitate field mulling.
- KVW will factory mull products up to a maximum of 10 feet wide and/or three units wide. Units in excess of these restrictions must be field muled.
- While KVW attempts to stabilize mulled units during shipment, we suggest that you consider field mulling as an option especially if you are faced with transporting product to unusually difficult jobsites or have other special handling requirements.
- The structural mull kit is used for high wind load conditions or when additional stiffness is required (check your local building codes).

### Structural Mull Kit Includes

- 16- #8 1-1/4” Screws
- 8- #7 ½” Screws
- 2- 6x8 End Plates
- 2- ½” Mull Connectors
- 1- ¼” Structural Rebar
- 2- ¼” Bolts
- Drip Edge (If Required)

1. Position units on a flat surface.
2. Remove nail fins on the sides to be mulled together.
3. Cut two mull connectors to length for each mull joint. Length will be the unit size of the frame box.
4. Notch back the corners as shown. This will remove any welded material from the joint and allow the connector to seat properly. This will also allow the connector to run “through” the joint if a combination mull/stack is being done. This may already have been done at the factory.
5. Fill the interior slot of the mull connector with silicone sealant (about halfway up) as shown.
6. Install the mull connector on the exterior side of the frame.
7. Carefully turn mulled unit over in preparation for installing the aluminum structural reinforcement and end plates.
8. The structural reinforcement from the factory will be cut to length and notched for the windows being mulled. Place the bar in the gap between the units.
9. The bar should fall into the slot in the mull connector and be imbedded in the silicone sealant applied in step 5.
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10. Apply silicone to the second mull connector, and repeat step 5.

11. Carefully center the reinforcement bar and apply the second (interior) mull connector. The bar should be positioned between the two mull connectors and be imbedded in the silicone sealant.

12. On each end of the mull joint, cut back the nailfins (at least 6” total width) to allow the application of the end plates.

13. Apply a small amount of silicone sealant into the notch that is cut into each end of the structural reinforcement bar. Also, apply a bead of sealant on the mull joint as indicated.

14. Insert the ¼” bolt through the ¼” hole in the end plate. Align the bolt with the notch in the bar and screw the plate to the window frame with the ½” screws provided.

15. The excess length of the end plate should be facing toward the interior side of the window.

16. The sheet metal plate on each end of the reinforcement bar is used to tie the entire unit into the rough opening with 1-1/4” screws, as shown.

17. For vertical mulls only, Continuous drip-edge should be applied across the head of the mull to seal the joint between units. Apply silicone at the edges of the nail fin and drip-edge. Drip edge length will be the total width of the mulled assembly.

**Note:** The gap between units at the SILL or gaps created on the JAMBS of units that are stacked must be flashed as part of normal window installation.