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Step 1: Determine the orientation of the windows to be mulled. Engineering recommends that the products be mulled in the vertical position but they can also be mulled laying flat. If mulled in the flat position, the exterior of the window should be facing up and steps should be taken to ensure the hardware is not damaged. The sashes of both windows should either be removed or remain open for the duration of the mulling process.



Step 2: Remove the opposing nail fins on the vertical jambs of the window frames.



Step 5: Snap the bottom mullion hook into the other accessory groove. The mull should be fully inserted along the entire length of the accessory grooves on the first window at this time. Rotate the second window slightly and align it with the mullion.



groove on the second window.

Notes:

1. These instructions represent Engineering's recommendations for mullion installation on these products. The mullion can be installed using more robust methods (i.e.: additional screws, etc) or in a different sequence than the steps shown here. 2. However, the mullion installation must at least adhere to the details specified in this document and in the AAMA test report for these twin products. This ensures that the product will perform in the field as it did in the test lab.

3. These instructions apply to mullion installation on the 700 casement/awning.

4. These instructions can apply to either vertical twins or stacking units. Combine the

methods shown on individual installation instruction sheets when mulling mismatched units.

REVISIONS				
NO.	DATE	DESCRIPTION	CHG'D BY	
1	11-26-2007	Added additional information to step 11 regarding flashing tape + silicone compatibility.	CRA	
2	1-25-2008	Changed the wording of step #12. Mullion clips are no longer required for every mulled configuration.	CRA	



Step 3: Apply large, continuous beads of silicone sealant to the locations detailed in the image above. The 1/2" mullion should always be oriented so that the hollow is on the interior side of the frames. This allows the proper installation of the mullion clips in step 12.

Step 6: Place the top mullion hook into the exterior accessory groove on the window. Apply a light clamping force to both windows and snap the bottom mull hook onto the interior



Step 7: Using a 9/64" drill bit, predrill the holes for the mullion installation screws into both window frames and the mullion as shown above. Hole spacing should be 5" from each end and 18" on center. A small amount of silicone sealant should be applied in each pre-drilled hole. This will help create a water barrier at the screw locations as the windows are fastened together.



Installation Instructions

DRAWING TYPE OR DIE #: Sheet 1/2



Step 4: Insert the top hook of the mullion (#10796) along its entire length into the first window. Ensure that the mullion hook is fully inserted into the accessory groove and that it is making good contact with the silicone. It is important that this hook be inserted first since it is deeper than the "snap" hook on the interior side of the mull.



Step 8: After double checking the mull hooks (especially the exterior hooks) to make sure they are fully engaged, fasten the windows together using $\#8 \times$ 1.75" PPH SMS. This screw length will penetrate both walls of the mullion and ensure its consistent and secure attachment. A clamp can be used to keep the windows together during the fastening process. Slightly offset the screws on both sides to avoid fastner interference. The optional external hole cover system shown above can be used to hide the installation screws.

Atrium Series 700 Casement/Awning 1/2" Mullion Installation ADW-00 700 C AP 0.5 Inch Mullion Installation

C. Allison	D. Harden	4-20-2007	Installation Instructions	
RAWN BY:	APPROVED BY:	DATE:	DRAWING TYPE OR DIE #: Sheet 1/2	
NA	1=1	EST. WEIGHT IN kg./m: XXXXX	ANSI D	
IATERIAL:	SCALE:	EST. WEIGHT IN Ib./ft.: XXXXX	SHEET SIZE:	
NA	NA	EST. AREA cm: XXXXX	X.XX = +/- X.XX X.XXX = +/- X.XXX X.X DEG = +/- X.X DEG	
LLOY:	TEMPER:	EST. AREA in: XXXXX	TOLERANCES: X.XX = $+/-$ X.XX	



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