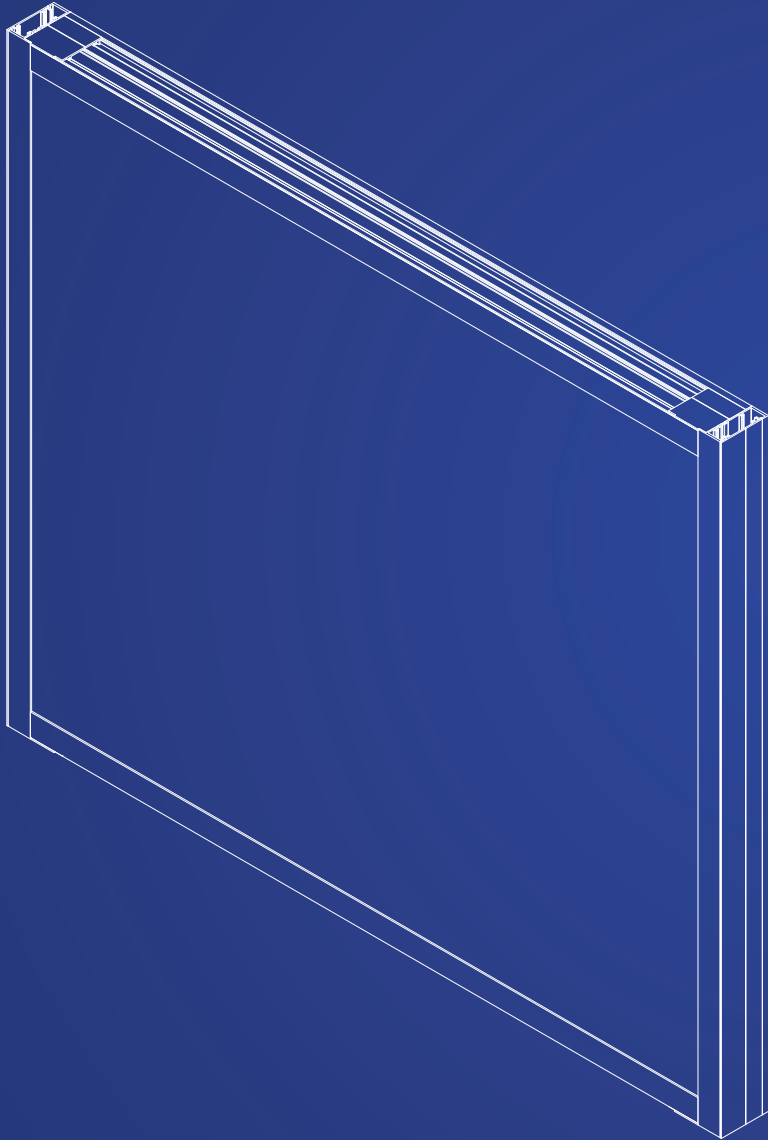


INSTALLATION MANUAL

Series MG-6000 Impact Resistant Storefront Wall System





INTRODUCTION

These instructions are provided as a general guide for installation. The Florida Approval of the product (FL18411 LMI and SMI) should be used together with these instructions.

Only professionals and experienced installers should attempt to install these storefront products.

Read all instructions carefully. If in doubt, contact Mr. Glass Doors and Windows. We will be happy to assist.

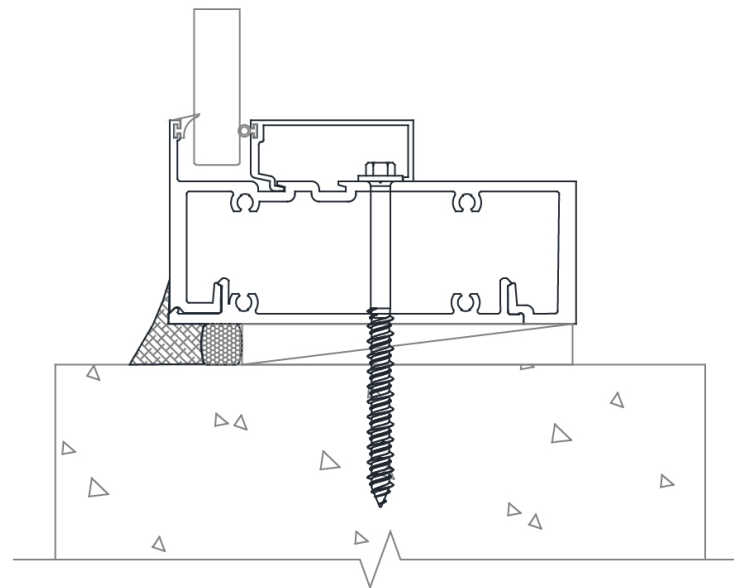
Use required protection gear and take all necessary safety precautions depending on the type of installation. Take special care when working at heights.

The MG6000 Series is a storefront containing options for snapping panels.

The MG6000 can be installed as a single unit (jamb/jamb) or as part of multiple unit storefront. In that case the verticals of the units are a combination of jamb, male or female mullions.

These vertical mullions combine the units and create a joinery that will be silicone sealed during the installation.

In constructions with extreme wind and water exposure, Mr. Glass recommends that masonry openings be treated with liquid flashing and sealed per standards FMA/AAMA 200-12 and FMA/AAMA/WDMA. That is not mandatory per code and depends on the specifications of the project.

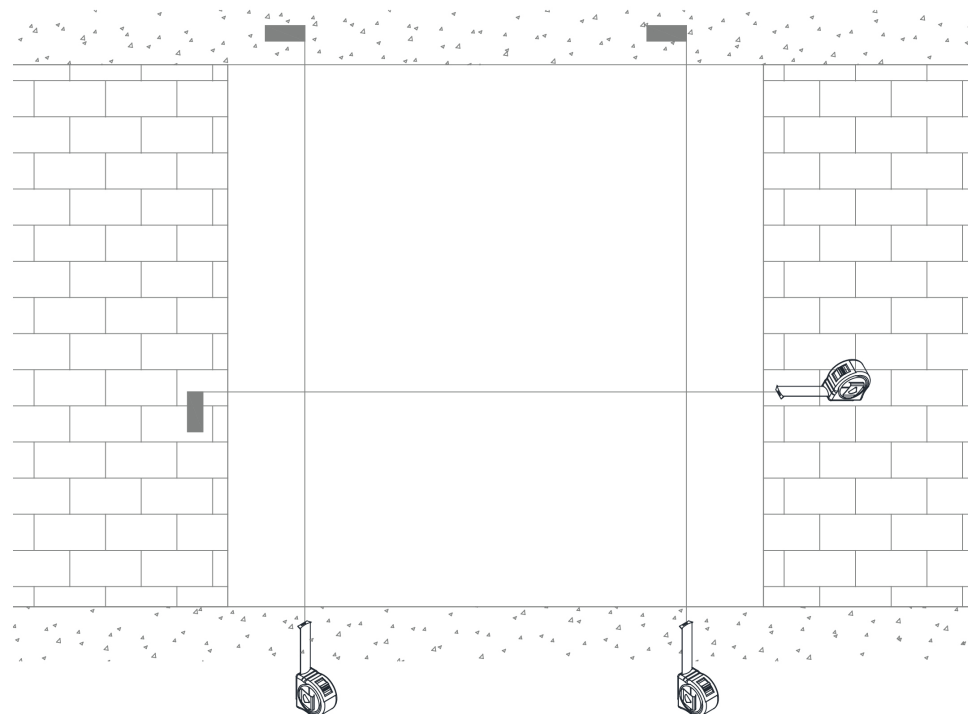




INSPECTION OF THE OPENING

This is the first step and must be executed regardless of the type of installation:

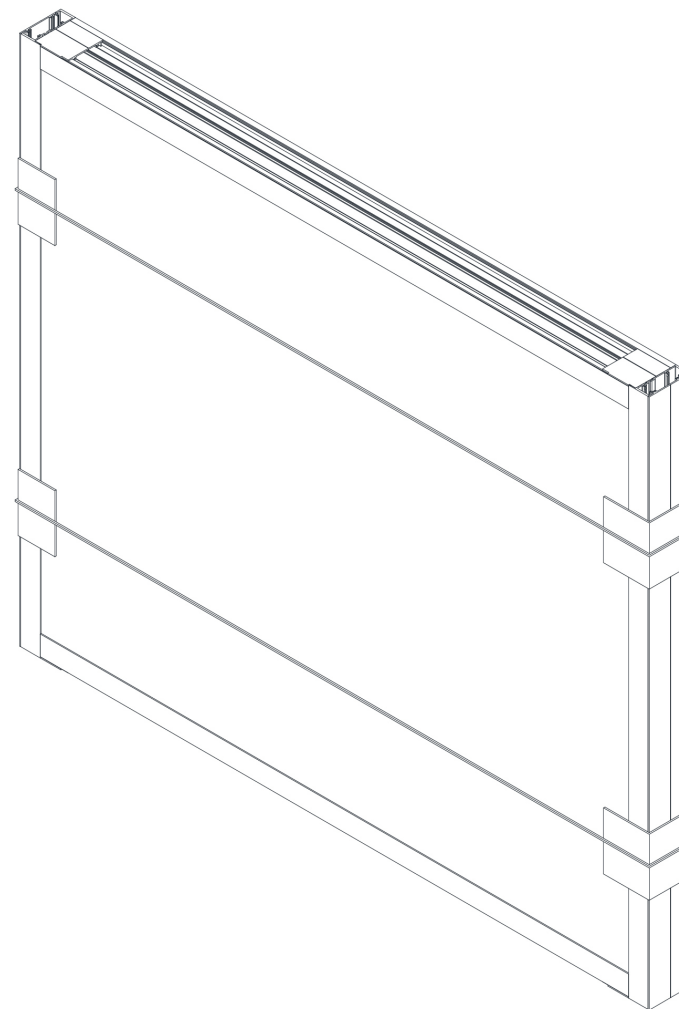
- A. Verify that the opening has the correct dimensions. That it is square, plumb and true. No more than 1/4" difference in square (diagonals) is acceptable. The dimensions of height and width should be within 1/8" of the nominal opening dimension
- B. In case of masonry openings check for cracks or missing mortar, mainly in the sill that might eventually allow water and humidity migration. Clean any residue of mortar. Any defect should be addressed and corrected by the trade responsible for the opening.
- C. Mr. Glass recommends the sill have a slope to direct the water out of the building. No openings with inverted slope should be accepted. That will compromise the correct drainage and function on of the window.
- D. Check the shop drawings and verify that the opening preparation follows the specifications.





UNPACKING THE WINDOW

- A. In case of a retrofit: Before removing any existing window verify that the new window corresponds to the specifications of the project in type, dimensions, and that they match the opening size. Carefully remove the straps and cardboard. Do not use sharp or pointy objects that may damage the aluminum finish or the glass.
- B. Verify the window and check that everything is correct.
- C. Remove the covers and place them in a safe location.
- D. The covers cannot be installed until the anchor installation inspection has been completed and approved by the building official.

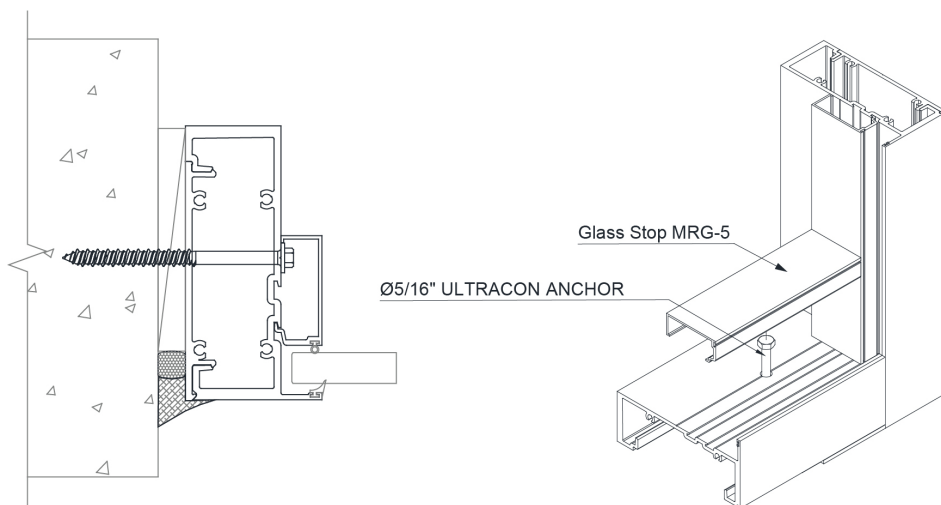
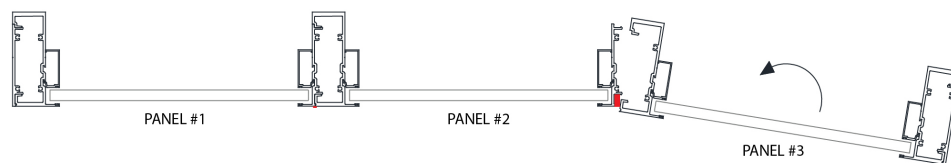




WINDOW INSTALLATION

- A. Carefully remove any residue from the masonry opening and concrete sill.
- B. Verify exterior seal on each corner of the unit. If seal is damaged or missing apply weatherproofing sealant.
- C. Insert the frame in the opening; you may temporarily hold it with temporary screws and make it plumb, leveled and squared. Place shims where required.
- D. Use the appropriate anchor type and length per Florida Approval. Ensure that each anchor is properly shimmed before applying full torque. See in the next section the anchor length that is required to ensure that the appropriate embedment is being provided.
- E. To seal the perimeter, use open cell backer rod as required. Apply sealant all around and project the seal up and out to cover the joinery between shear clips and main profile.

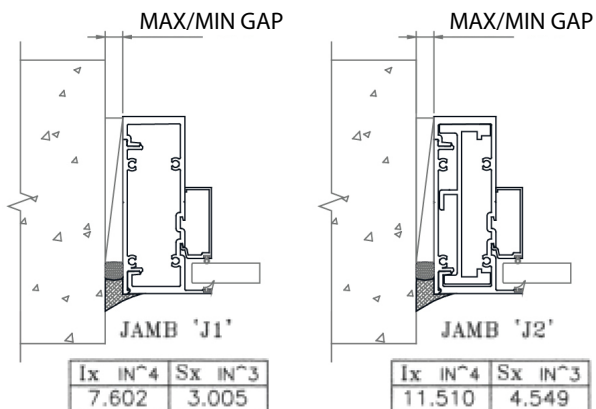
- F. The panels are marked with a number representing their position from left to right starting with panel #1.
- G. Carefully level the window and install anchors to fix each panel in place.
- H. Install the panels in sequence following the pattern of female/male mullions accordingly.



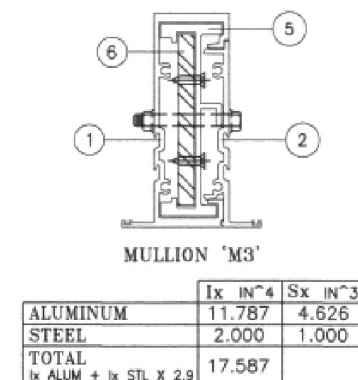
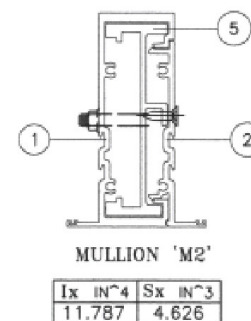
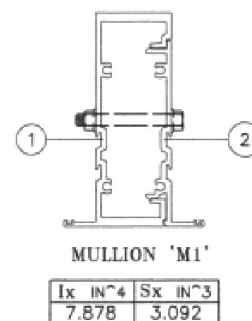
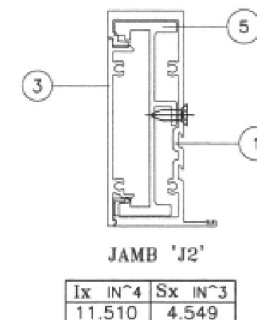
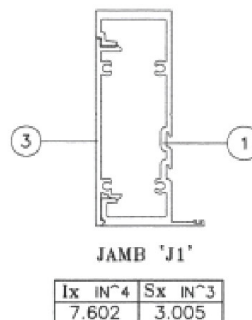


I. The series MG6000 have an unanchored jamb configuration available. Make sure to respect the maximum or minimum gap in accordance to the Florida Approval (FA18411).

J. The Jamb and mullions can be reinforced to meet high design loads. Use the proper mullion configuration according to the specifications of the project. Check the Florida Approval (FA18411).



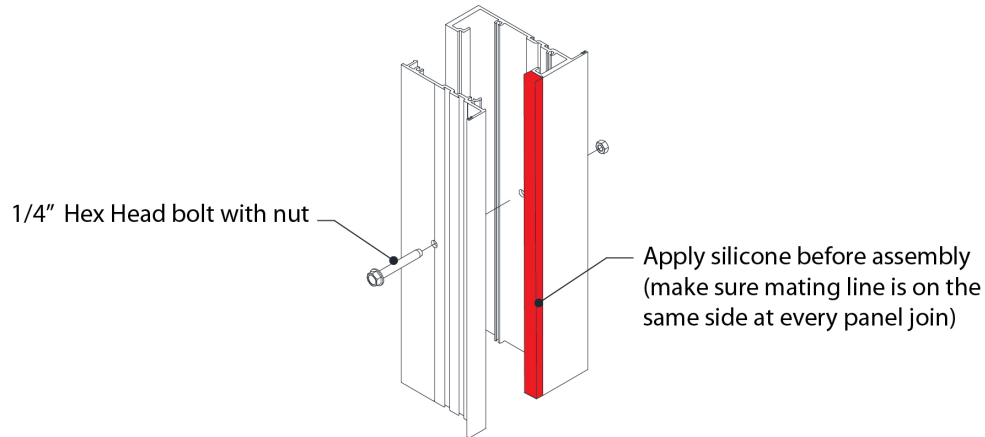
MAX. FRAME HEIGHT	MAX. GAPS FOR UNANCHORED JAMBS			
	JAMB 'J1'		JAMB 'J2'	
	MIN.	MAX.	MIN.	MAX.
96"	3/8"	1"	-	-
102"	3/8"	1"	-	-
108"	3/8"	1"	-	-
120"	3/8"	1"	-	-
132"	-	-	3/8"	1"
144"	-	-	3/8"	1"





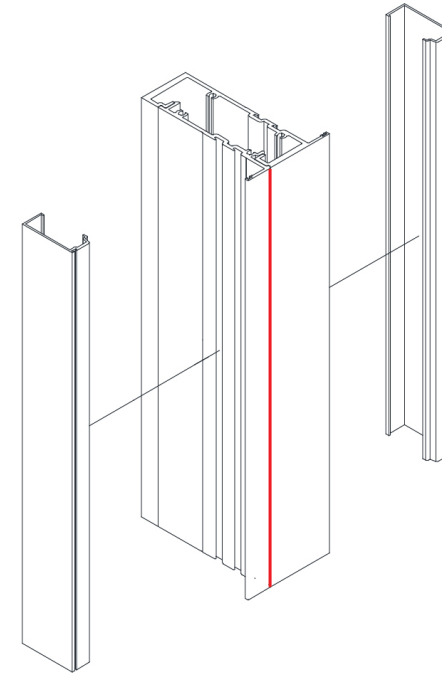
WINDOW SNAP

- A. Prior to snapping the units together apply weatherproofing sealant to the joint surfaces along the vertical mullions.
- B. Snap units carefully and make sure that the units are properly sealed.
- C. Holes are pre-drilled in both sides of the snap. Ensure that the mullions are fastened together using the provided screws and nuts.
- D. For easy installation, snap the last two units prior to the assembly.
- E. Clean off excess silicone after the snap assembly.



GLASS STOP INSTALLATION

The glass stops are accessible from the inside. Make sure to install the horizontals first.

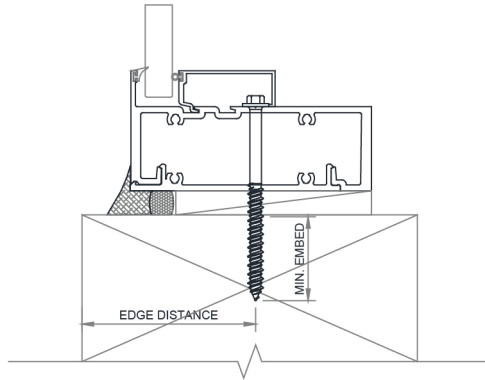




ANCHORS

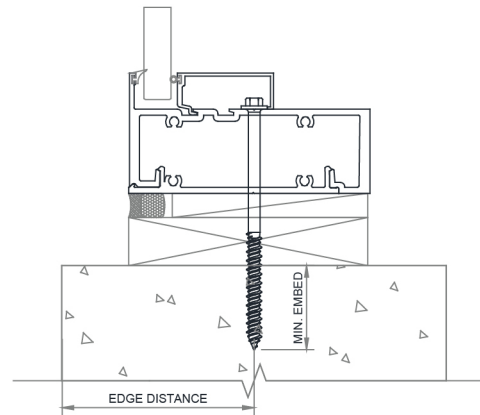
Anchors options for Series MG-6000 include:

a. In wood structure "2 BY" with 2" min. penetration into wood.



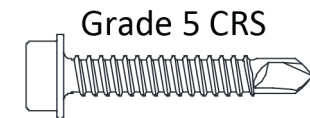
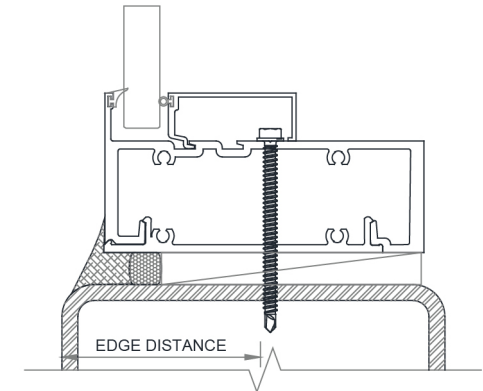
Ultracon
ø5/16 HEX WASHER HEAD (HWH)
5" Minimum Length (For 1/2" max. shim space)

b. THRU "1 BY" with 1 1/4" min. embed into concrete.



Ultracon
ø5/16 HEX WASHER HEAD (HWH)
5" Minimum Length (For 1/2" max. shim space)

c. Into Steel



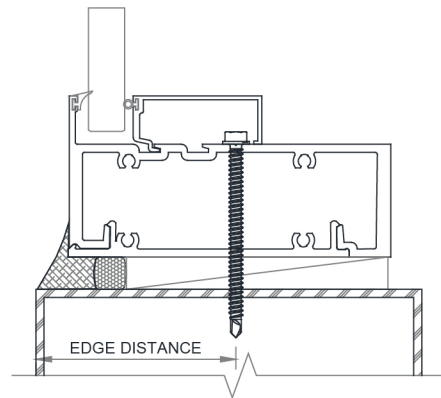
Grade 5 CRS
ø1/4 Teks or Self-Drilling
3 1/4" Minimum Length (For 1/2" max. shim space)



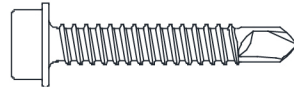


ANCHORS (Cont.)

d. Into Aluminum

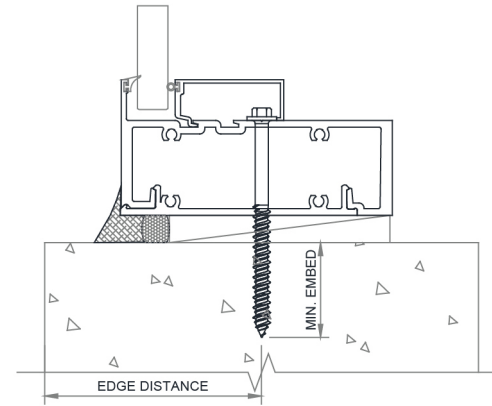


Grade 5 CRS



ø1/4 Teks or Self-Drilling
3 1/4" Minimum Length (For 1/2" max. shim space)

e. Into concrete



Ultracon



ø5/16 HEX WASHER HEAD (HWH)
4" Minimum Length (For 1/2" max. shim space)





WINDOW CLEANING

- A. Once the installation is complete proceed to clean the window. Mr. Glass recommends using water and mild soap or detergent.
- B. Consult Service Bulletin 01-2021 "Maintenance of coated surfaces" and 02-2021 "Glass Cleaning Recommendations".
- C. Do not use sharp objects that may damage the finish in the aluminum or scratch the glass.
- D. Remove all temporary seals and logos.
- E. Clean the work area and dispose of all the packaging residue.

