

ES-8000/8000T



HSEQ REGULATIONS

Read all instructions carefully before attempting this procedure. If you have any questions about your ability to complete this procedure, contact ESWINDOWS for further direction.

If swing stages are required for installation, the HSEQ inspector must approve the permissions.

- Wear the necessary personal protective equipment for product installation.
- Take safety precautions when performing the activity.
- Please follow the steps and make sure you have appropriate personal protective equipment and follow the rules established by the guidance for working at height, if required to do so.

IMPORTANT:

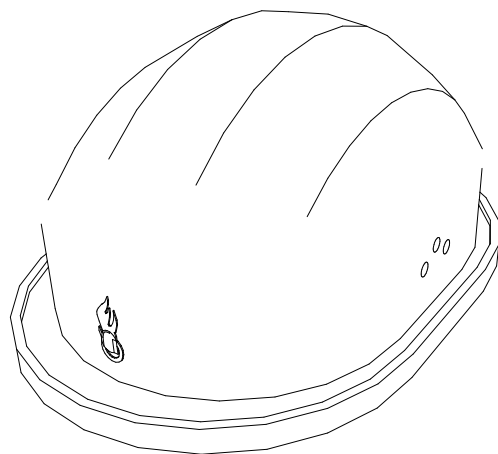
Contractors must have and execute an adequate QA/QC policy to guarantee the product installation is within industry standards and ESW guidelines. Once the product is received in acceptance by the contractor, any damage or installation problems are no longer responsibility of ESWINDOWS.

INTRODUCTION

ES-EL8000/8000T, Elite storefront system.

This guide illustrates step by step how to install the system properly.

Prior to installation process check that all parts and materials are in right conditions, verify that the quantities and descriptions match production drawings.



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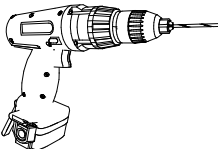
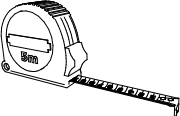
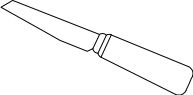
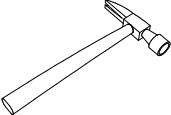
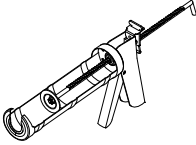
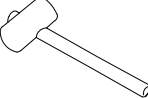
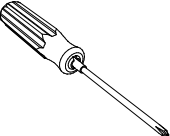
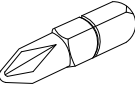
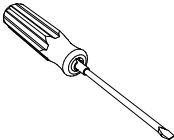
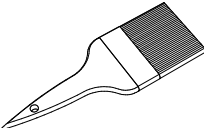
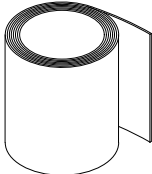
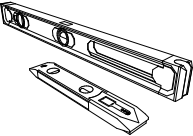
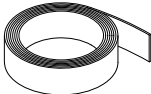
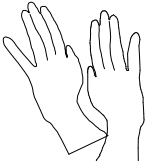
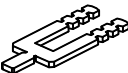
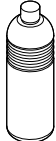
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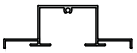
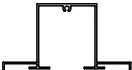
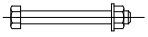
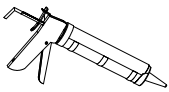
REVISIONS



INSTALLATION INSTRUCTIONS

TOOLS AND SUPPLIES REQUIRED FOR INSTALLATION

DETAIL	DESCRIPTION	DETAIL	DESCRIPTION	DETAIL	DESCRIPTION
	Drill		Plumb		Thinner
	Tape Measure		Thread		Knife
	Hammer		Silicone Gun		Rubber Hammer
	Phillips Screwdriver		Bits for Concrete		Points
	Slot Screwdriver		Brush		Clean rag
	Level		Masking tape		Gloves
	High impact plastic shims		Isopropyl Alcohol		Safety Glasses

PARTS REQUIRED FOR INSTALLATION		
PARTS		DESCRIPTION
EXTRUSIONS		
ES-8000T-005		GLASS STOP ES-8000T
ES-8000-006		GLASS STOP ES-8000
ES-8051		FLAT MUNTIN
ES-8052		OUTSIDE MUNTIN
ES-8053		INSIDE MUNTIN
27-431		PERIMETER GASKET
1/4"(Diameter) x 2 1/2"		BOLT WITH NUTS
SILICONE D.C 791		WEATHERPROOFING SEALANT

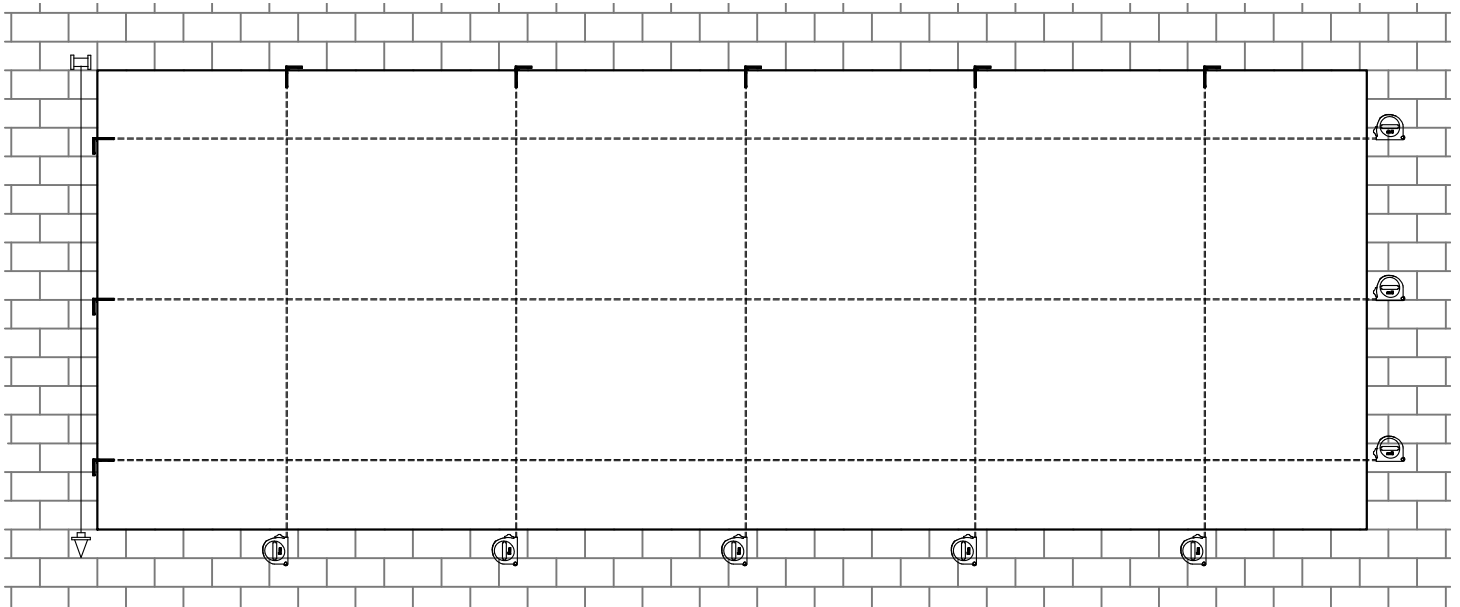
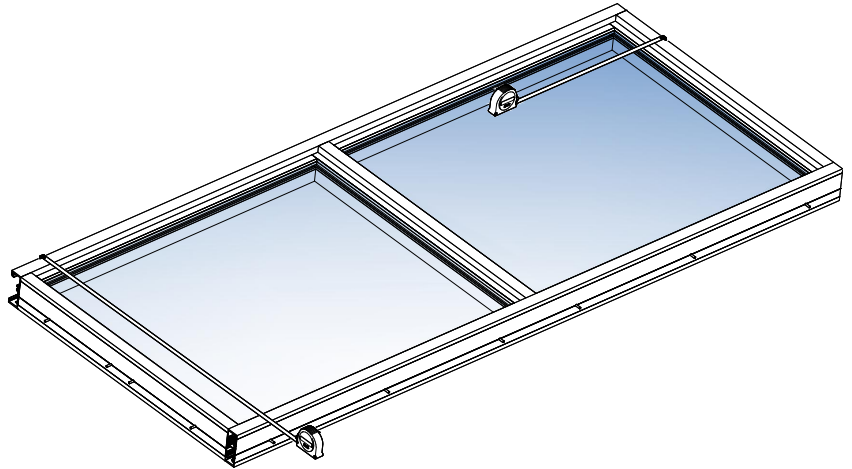


Check the technical manuals and guides by sealant manufacturers to apply silicone correctly.

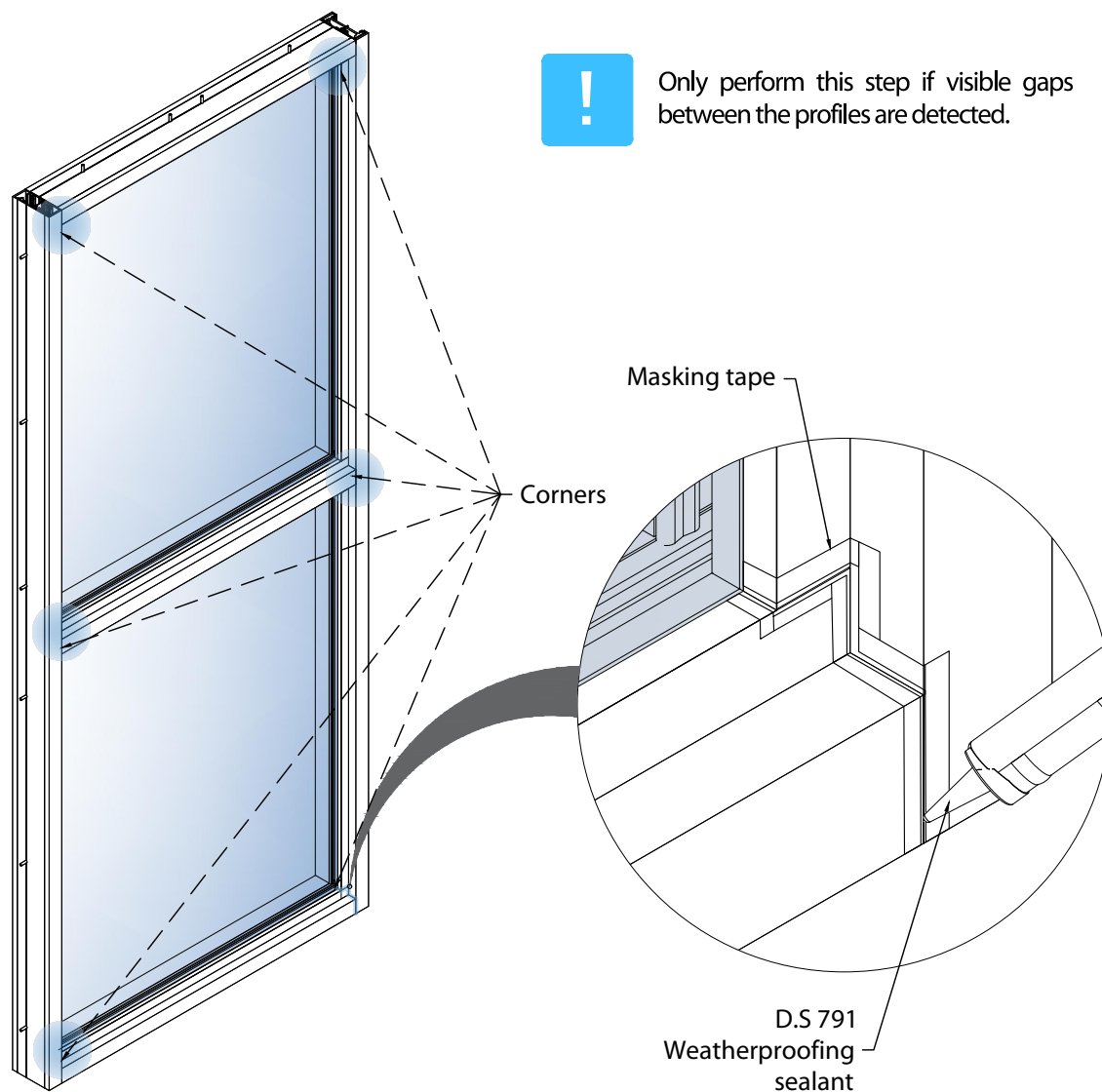
STEP 1

INSPECTION AND VERIFICATION:

- 1.1. The opening should be checked for the correct size as determined by dimensions listed on the architectural specifications and the shop drawings.
- 1.2. Check all the material upon arrival for quantity and damage.
- 1.3. Remove all materials that could interfere with the proper installation of the system.
- 1.4. If you have any irregularities notify ESWINDOWS.



- 1.5. Important: Verify exterior seal on each corner (between the profiles) of the unit. **If the seal is damaged or missing apply weatherproofing sealant and tool into joints to re-caulk.** Use masking tape to achieve a good finish.



STEP 2

INSTALLATION OF UNITS:

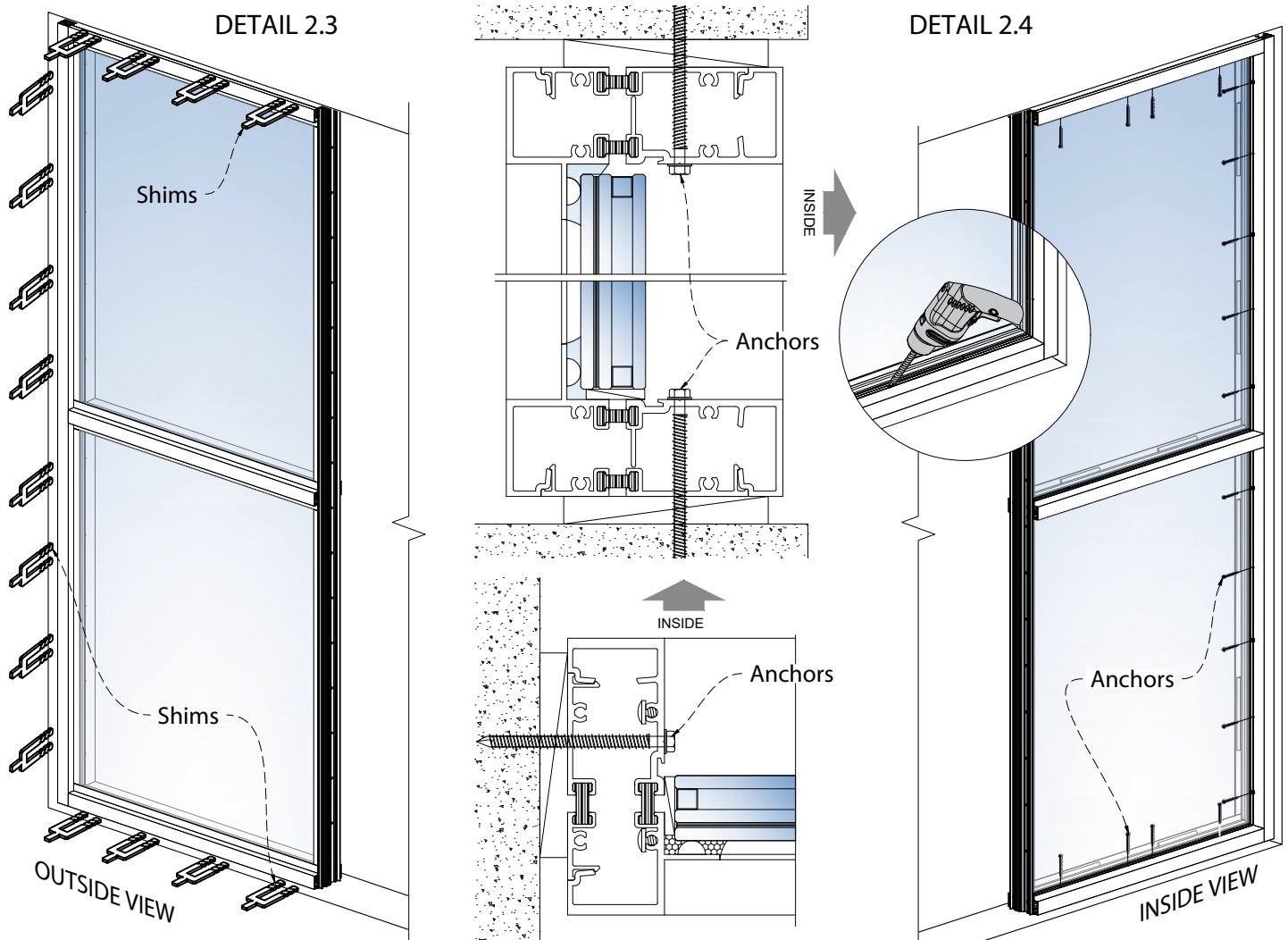


In order to prevent any accidents make sure to work with the required equipment and enough manpower to support the units.



Units must be installed as per approved shop drawings.

- 2.1. Clean the opening and window frame surfaces.
- 2.2. Locate units using provided marks.
- 2.3. Shim as required. It is recommended the use of high strength plastic shims. (Detail 2.3)
- 2.4. Working from the inside, install the anchors using the pre-drilled holes in the frame as a guide. (Detail 2.4)

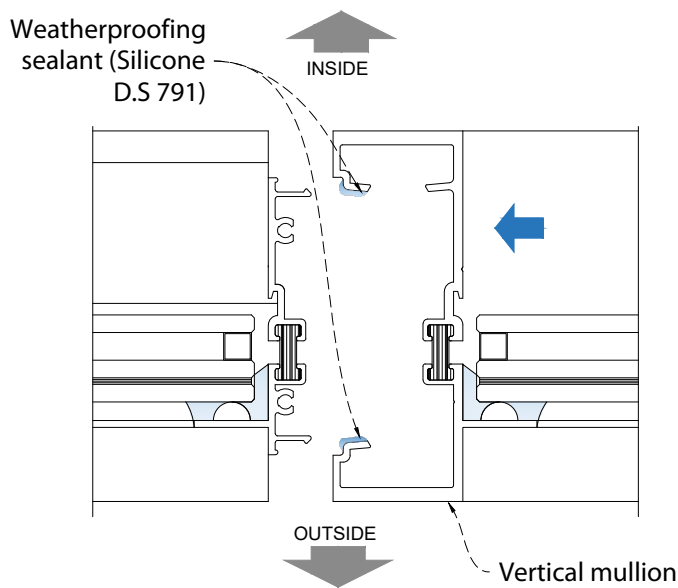


INSTALLATION INSTRUCTIONS

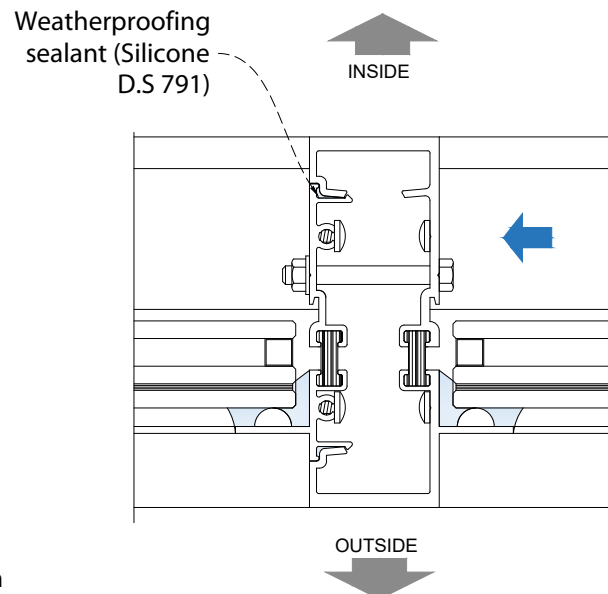
ES-8000/8000T
WINDOW WALL
VERSION 9
I-DD-88

FOR SNAPPING TWO OR MORE UNITS:

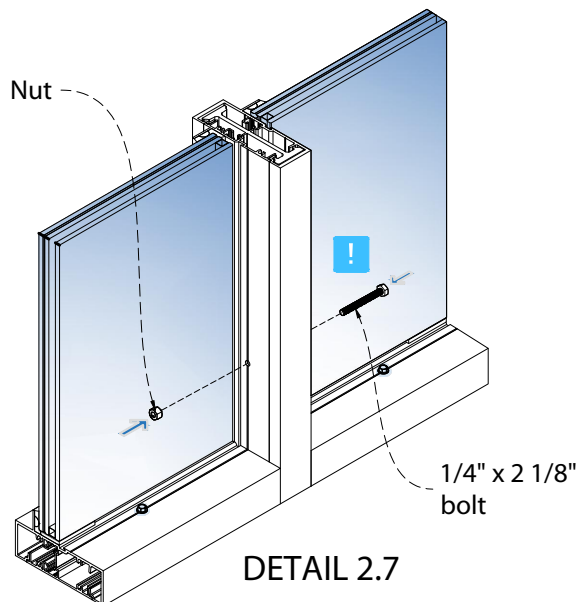
- 2.5. Prior to snapping the units together, apply weatherproofing sealant to the joint surfaces along the vertical mullion. (Detail 2.5).
- 2.6. Snap units carefully and make sure that the units where completely sealed by the weatherproofing sealant. (Detail 2.6).
- 2.7. Mullions must be fastened together using a 1/4" x 2 1/2" bolt, at 6" from ends and 18 1/2" Max. O.C. (Detail 2.7).



DETAIL 2.5



DETAIL 2.6



Mullions must be fully snapped before tightening the bolts, not doing this may end up in deformations of the aluminum profiles.

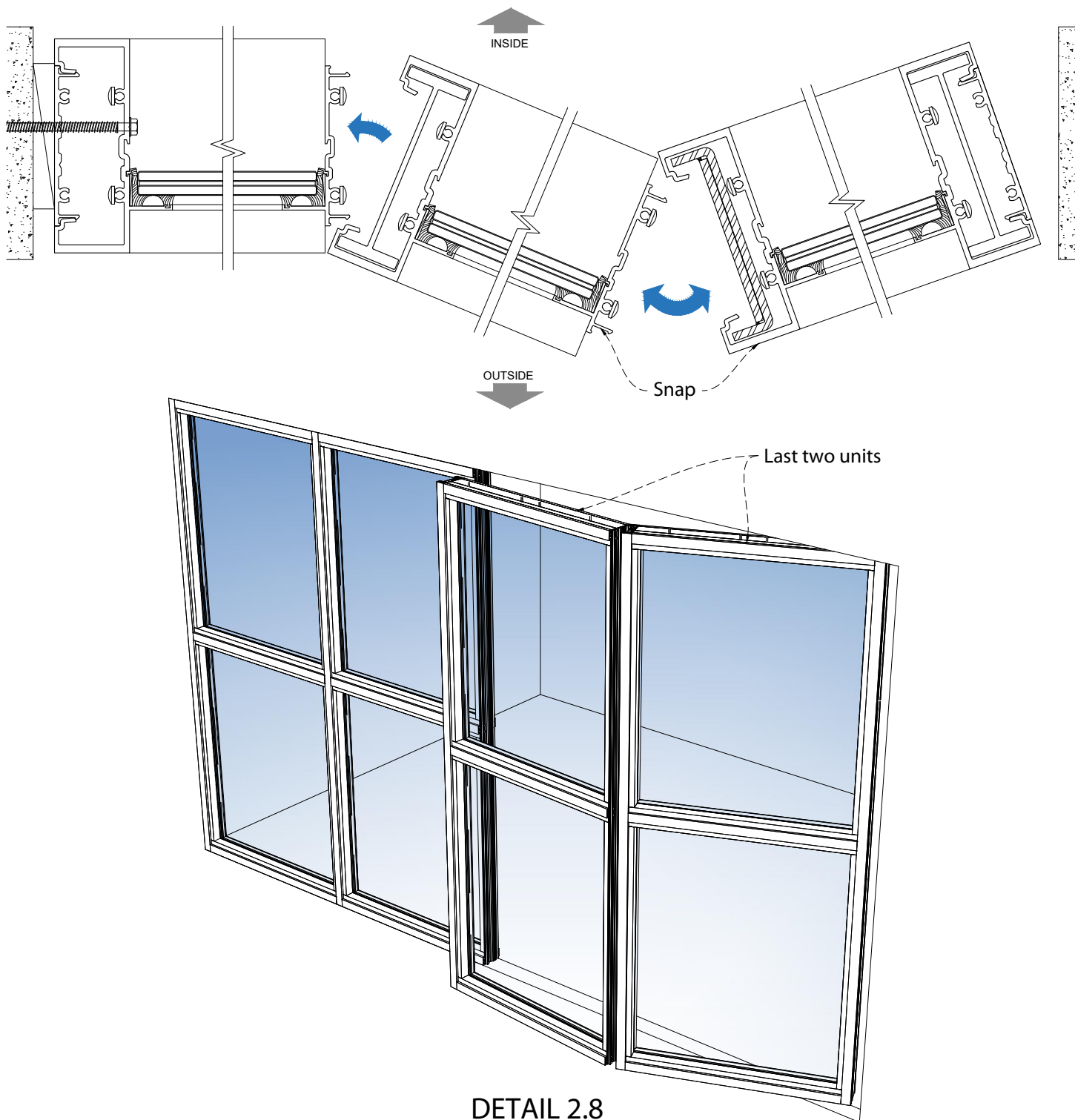


Bolts must be secured but not over tightened as forces above 3nm will deform the aluminum profiles.

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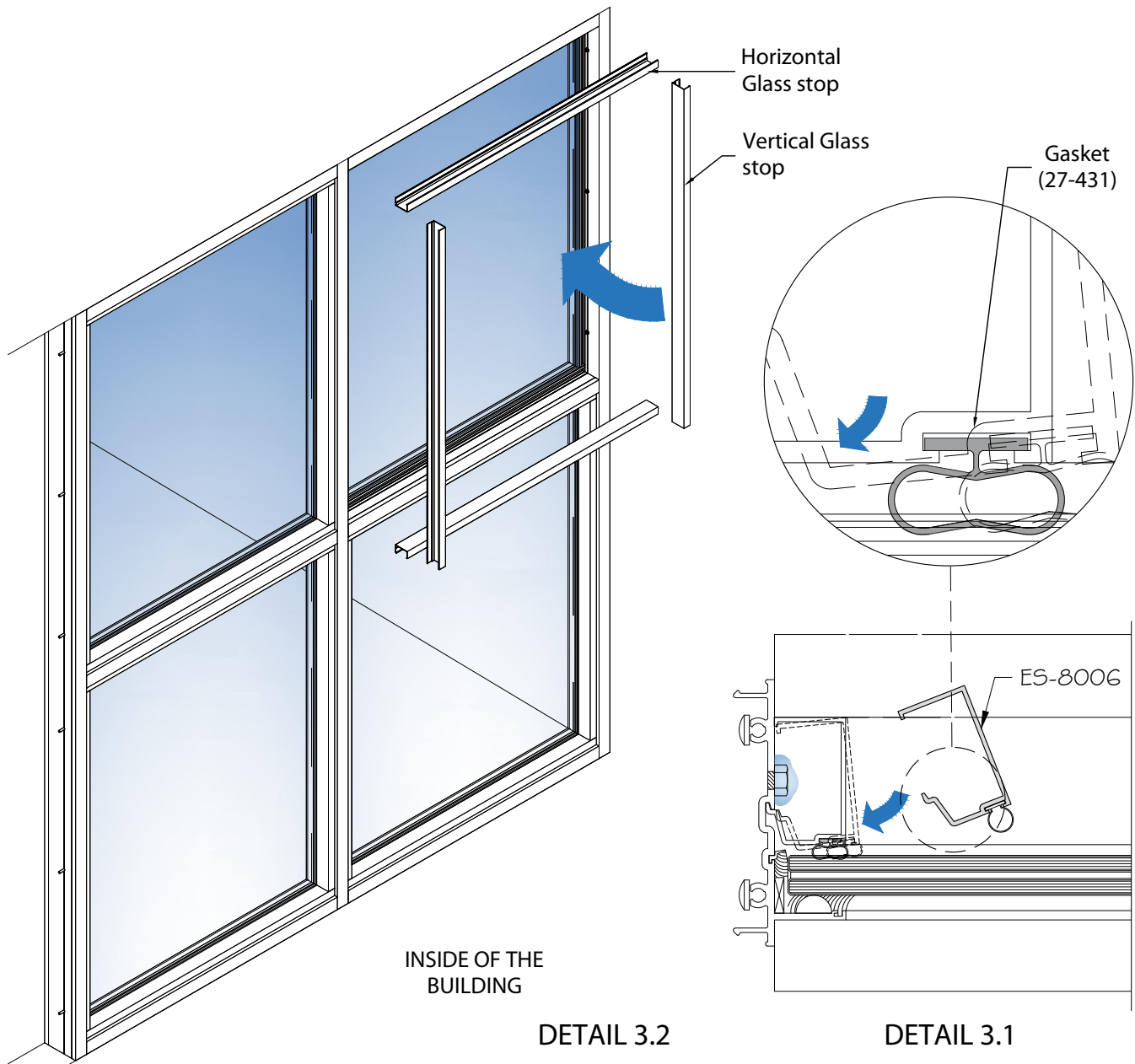
2.8. The last two units should be installed together in order to be able to snap. (Detail 2.8).



STEP 3

ES-8000 GLASS STOP INSTALLATION:

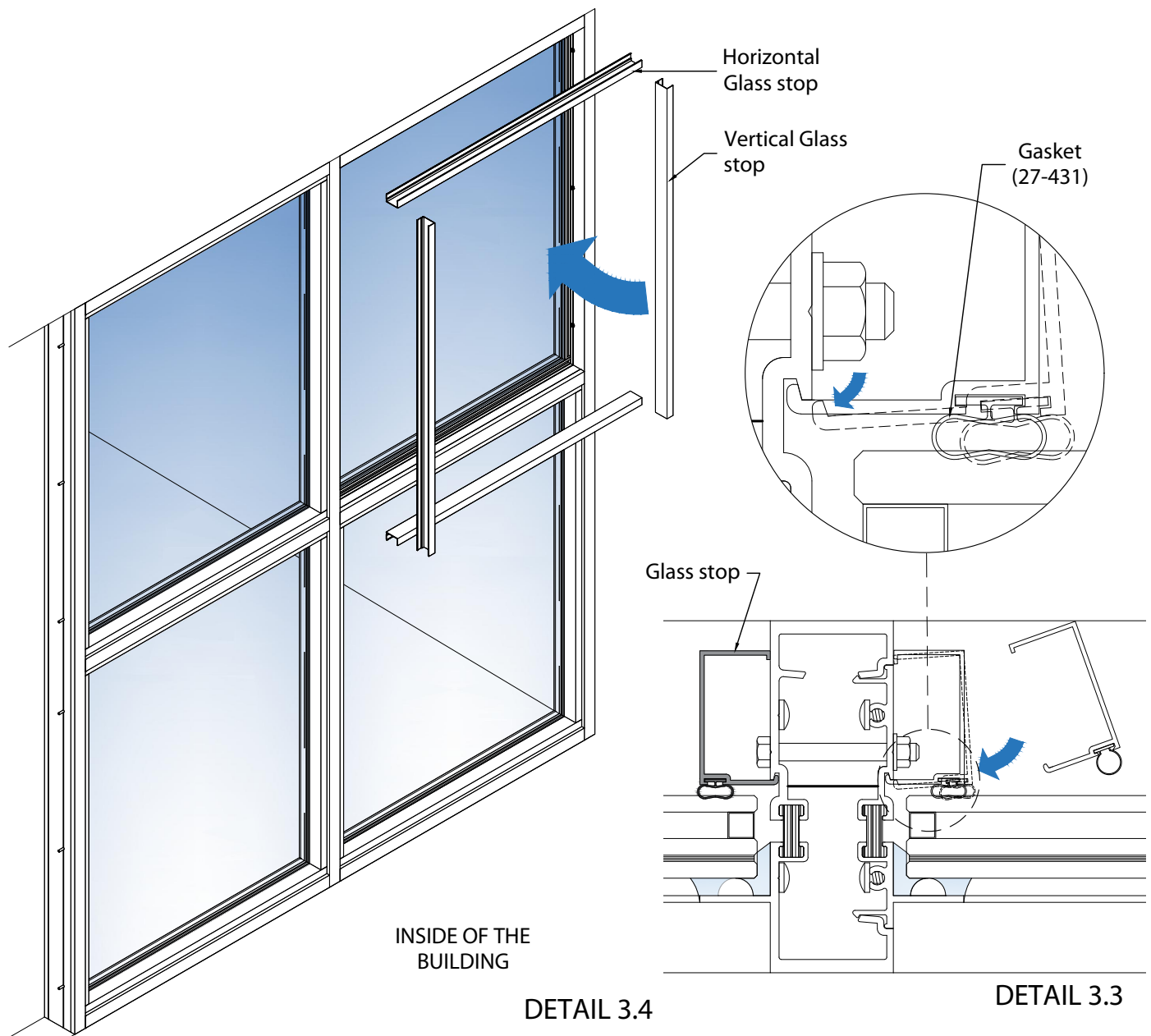
- 3.1. Prior installing the glass stops make sure that the gasket is already installed, otherwise proceed to install it.
- 3.2. Working from the inside, first install the horizontal glass stops and then verticals glass stops. (Detail 3.2)



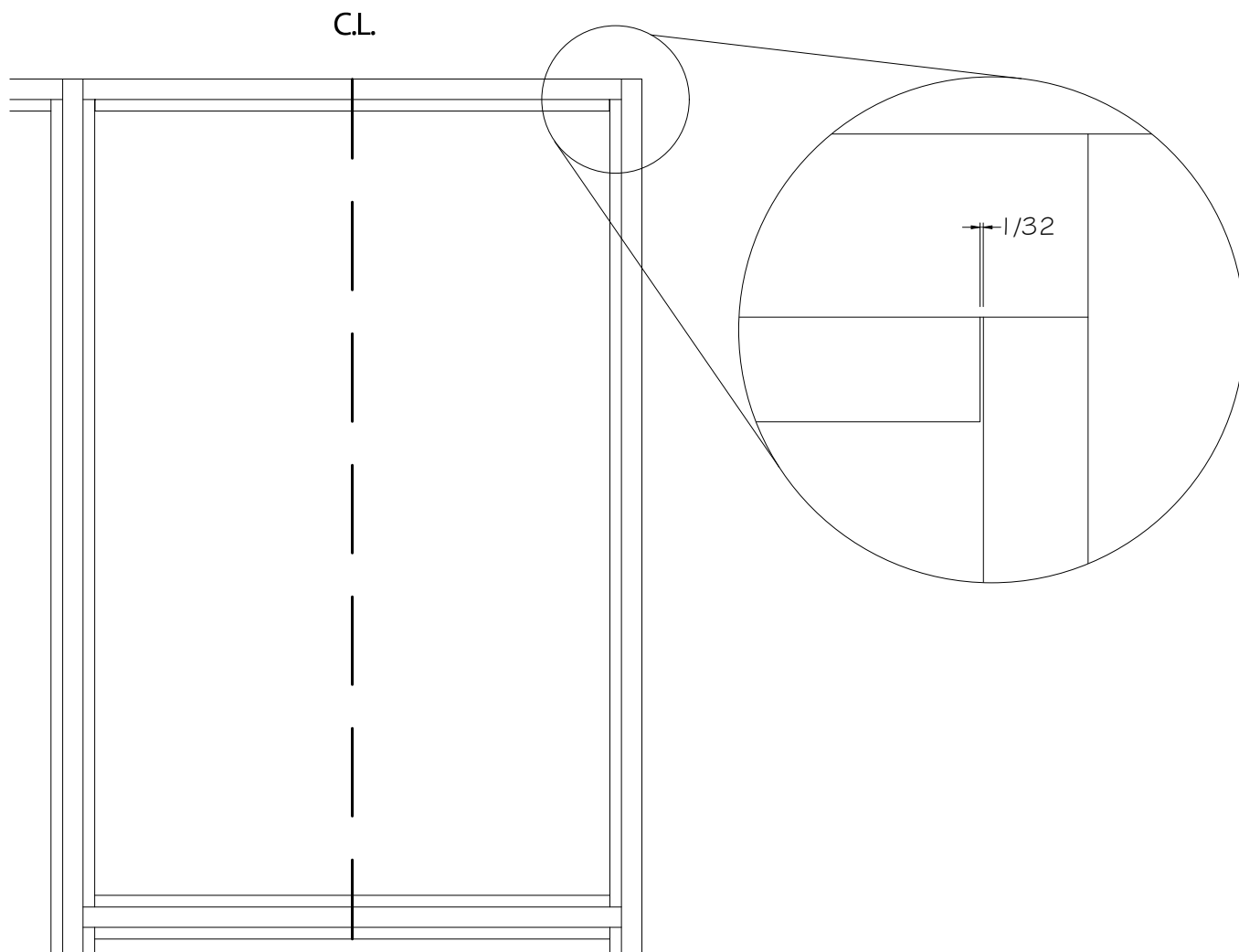
ES-8000T GLASS STOP INSTALLATION:

3.3. Prior installing the glass stops make sure that the gasket is already installed, otherwise proceed to install it.

3.4. Working from the inside, first install the horizontal glass stops and then verticals glass stops. (Detail 3.4)

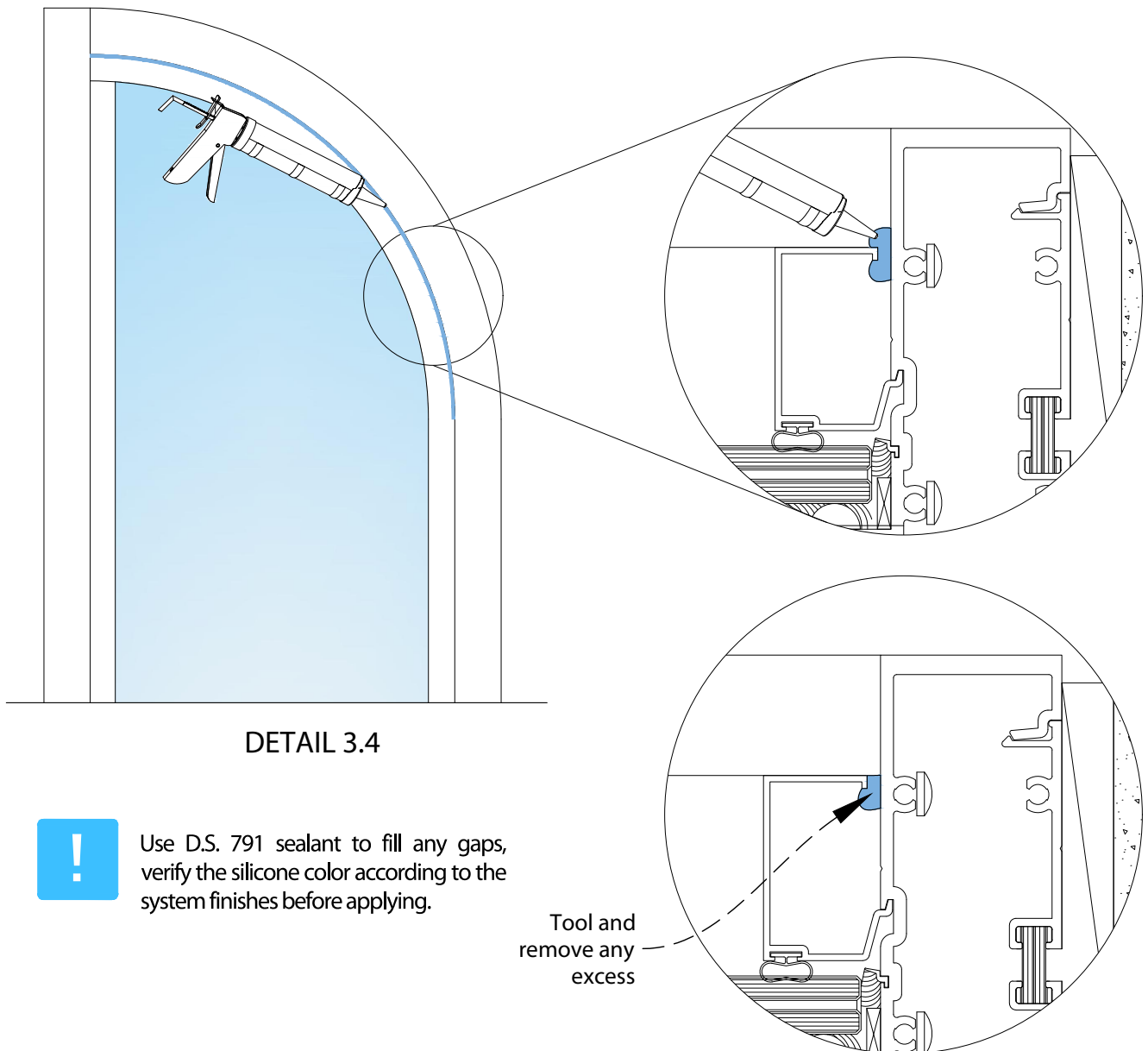


3.3. install glass-tops centered. @ D.L.O. as show in detail below (Detail 3.3)



DETAIL 3.3

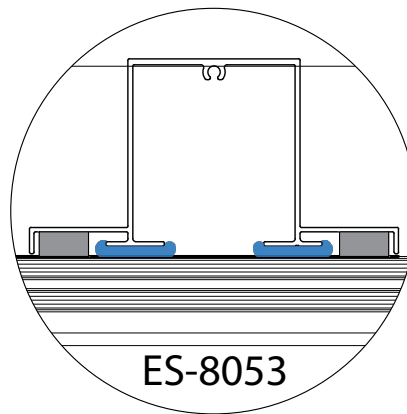
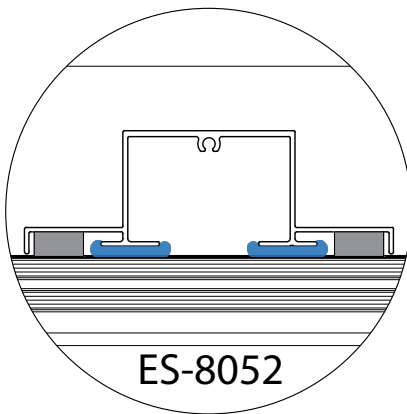
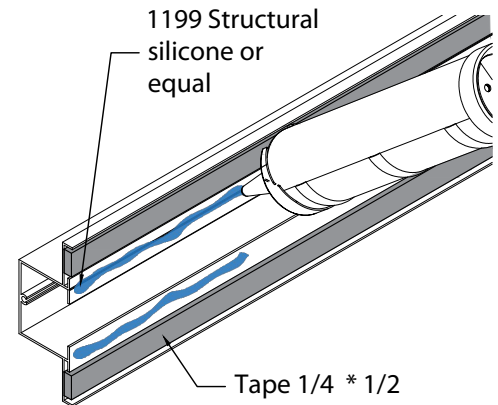
- 3.4. When installing ES-8000 systems with curved shapes apply silicone to fill any gaps left between the glass stops and the panel frame, make sure to tool and completely remove any silicone residue from the aluminum parts.



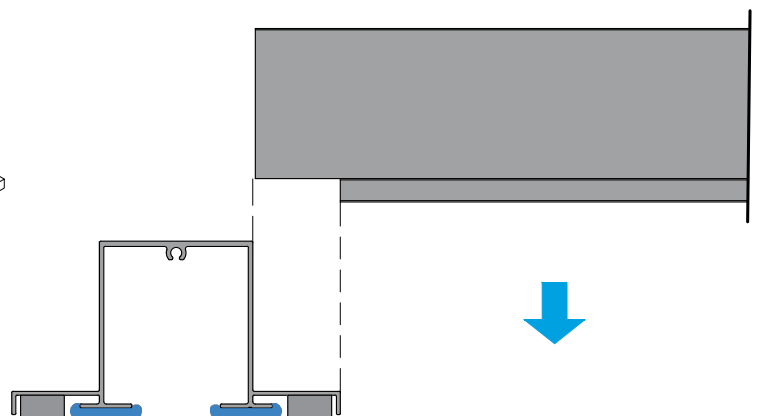
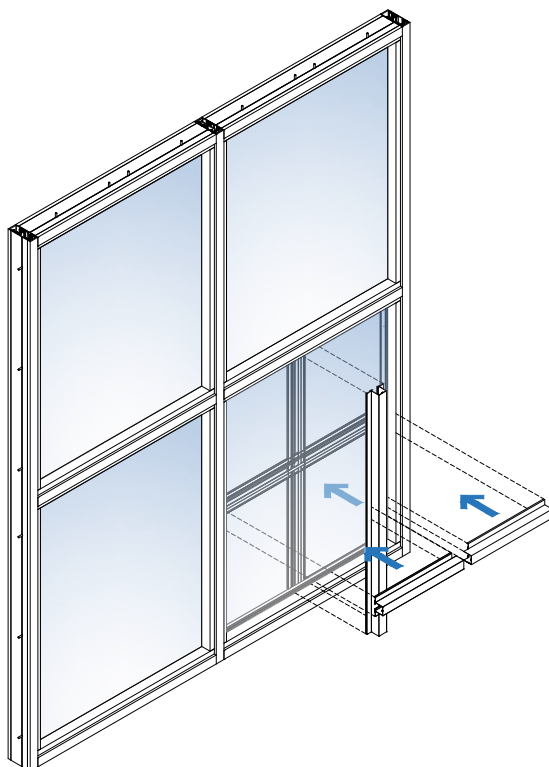
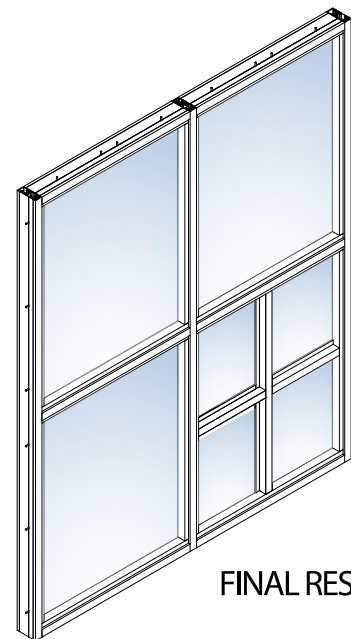
STEP 4

INSIDE MUNTIN INSTALLATION

- 4.1. Apply 1199 structural silicone or similar to the muntin pads and install directly on the glass. Use the pre-installed outside muntin grid as reference to install the inside muntins.



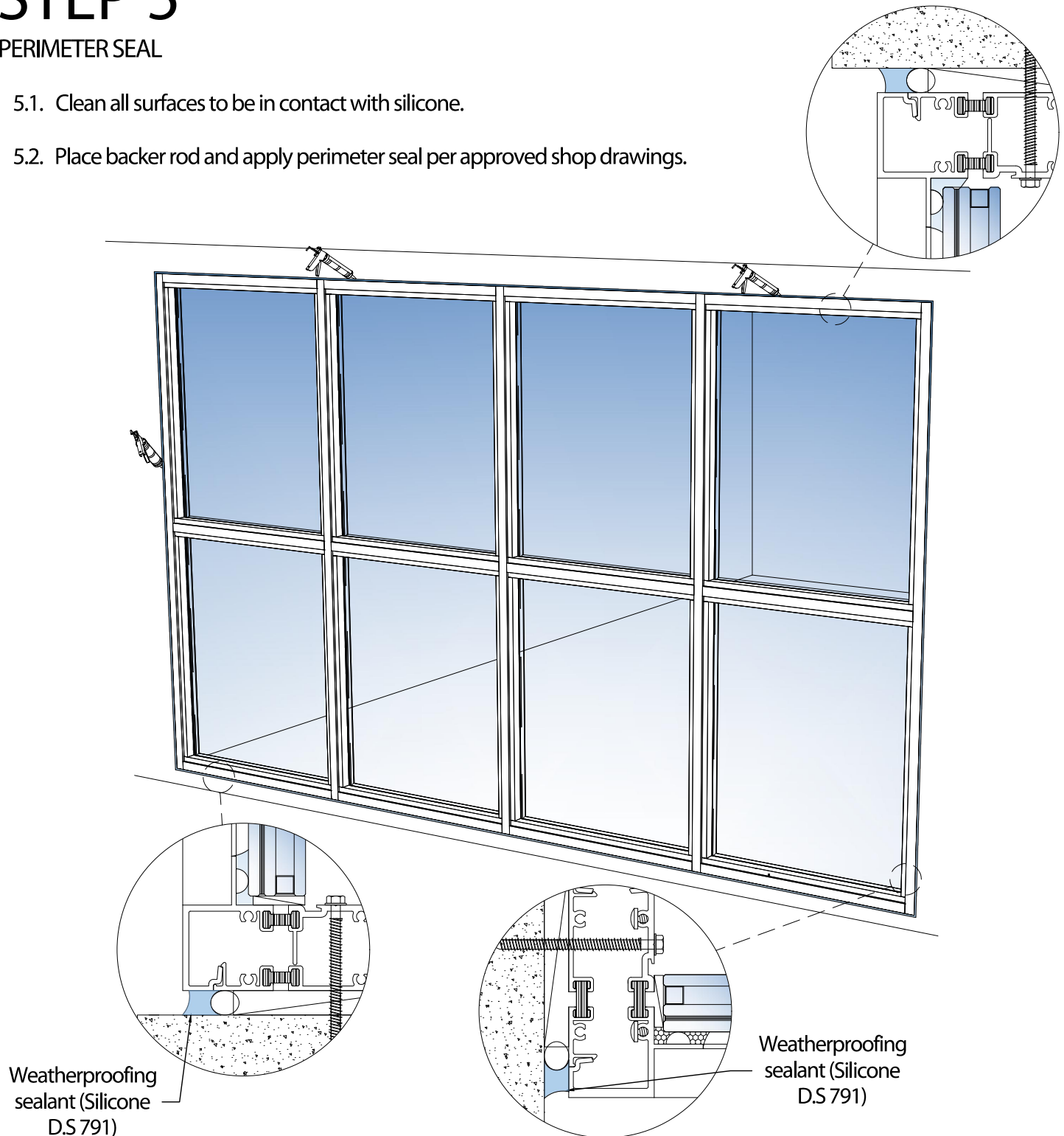
- 4.2. Verify the interior muntin pieces according to the pre-installed outside muntin grid and install the interior muntin as shown in detail below



STEP 5

PERIMETER SEAL

- 5.1. Clean all surfaces to be in contact with silicone.
- 5.2. Place backer rod and apply perimeter seal per approved shop drawings.



INSTALLATION INSTRUCTIONS

REVIEW No.	DATE	DESCRIPTION	BY.	PAG.
1	January 23 2019	Verification of corners seal added.	S.G	6
2	April 08 2019	installation of glass-tops at D.L.O. added	D.L	11
3	July 26 2019	Muntin installation detail added	A.G.	12
4	July 26 2019	Updated details according to new fabrications in horizontal and vertical meeting points	A.G.	5
5	MAY 20 2021	Added tape 1/4 * 1/2 to muntin installation details to allow the muntin to stay in place while structural silicone dries	A.G.	12
6	JUNE 17 2021	Added page for curved shape installation seals at the glass stops	A.G.	12
7	JUNE 21 2021	Added notes for mullion bolt installation and precautions.	A.G.	7
8	MAY 18 2023	General update: details orientation corrected.	E.S.	6-8
9	JAN 26 2024	Updated document footer formatting.	M.B	ALL

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