

INSTALLATION INSTRUCTIONS

ES-EL100



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:

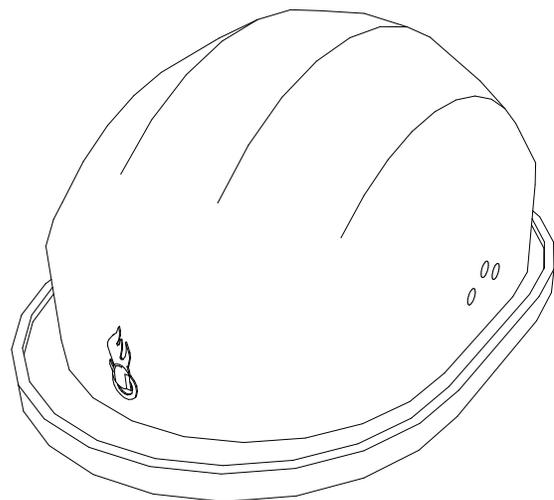
Contractors must have and execute an adequate QA/QC policy to guarantee the product installation is within industry standards and ESW guidelines. Once the product is received in acceptance by the contractor, any damage or installation problems are no longer responsibility of ESWINDOWS.

INTRODUCTION

ES-EL100, Elite single hung window 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.



INSTALLATION INSTRUCTIONS

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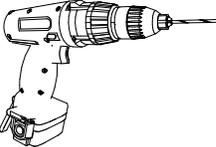
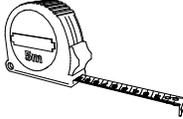
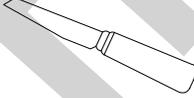
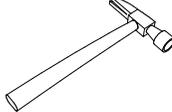
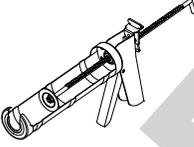
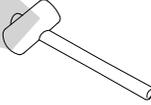
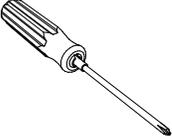
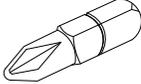
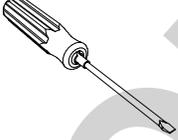
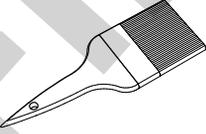
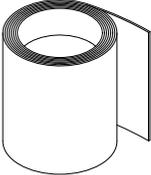
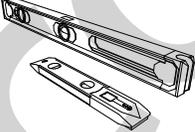
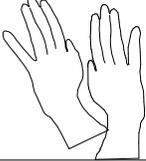
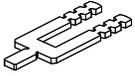
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REVISIONS

TOOLS AND SUPPLIES FOR INSTALLATION

Detail	Description	Detail	Description	Detail	Description
	Drill		Plumb		Thinner
	Measure tape		Thread		Knife
	Hammer		Industrial Silicone gun		Mallet
	Phillips screwdriver		Bits for concrete		Point
	Slot screwdriver		Brush		Clean rag
	Level		Masking tape		Safety gloves
	Plastic shims		Isopropyl alcohol		Safety glasses

PARTS REQUIRED FOR INSTALLATION		
PART	DETAILS	DESCRIPTION
EL100-301		SASH STOP
ES-EL113A		HEAD SCREW COVER
ES-EL114		JAMBS SCREW COVER
DS.791		WEATHERPROOFING SEALANT

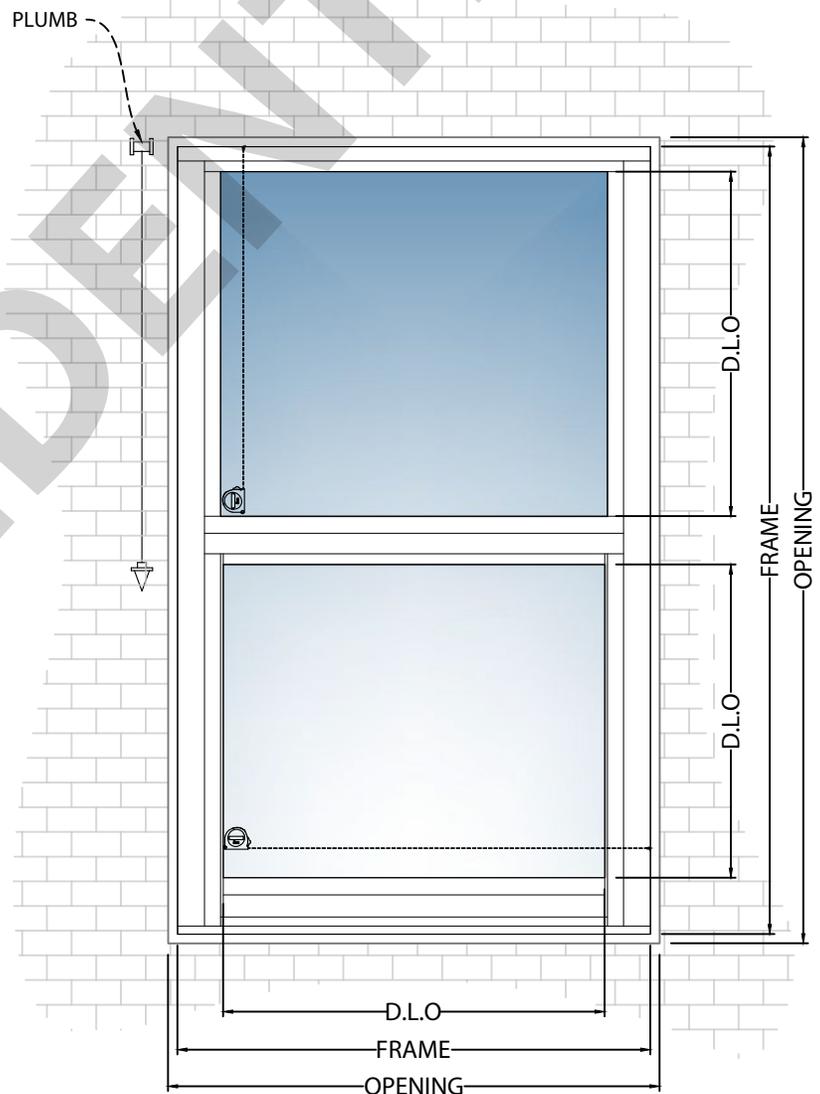


Check the technical manuals and guides by sealant manufacturers to apply silicone correctly.

STEP 1

INSPECTION AND VERIFICATION :

- 1.1 The rough opening should be checked for the correct size as determined by dimensions listed in the architectural specifications and the shop drawings. Measure rough opening in several places to determine variations.
- 1.2 Check all the material upon arrival for quantity and damage.
- 1.3 Remove any debris that interferes with the proper installation of the unit.
- 1.4 If you have any irregularities notify ESWINDOWS.



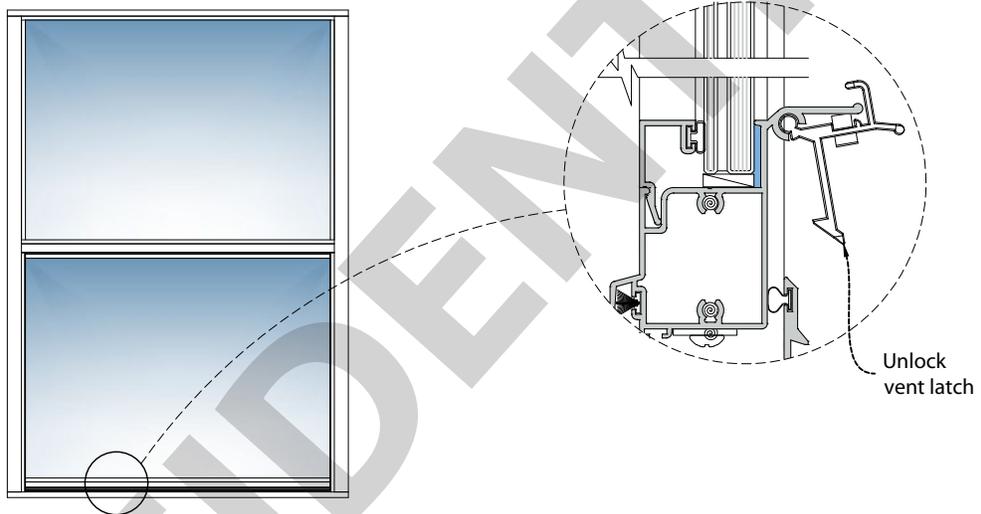
STEP 2

REMOVE SASH

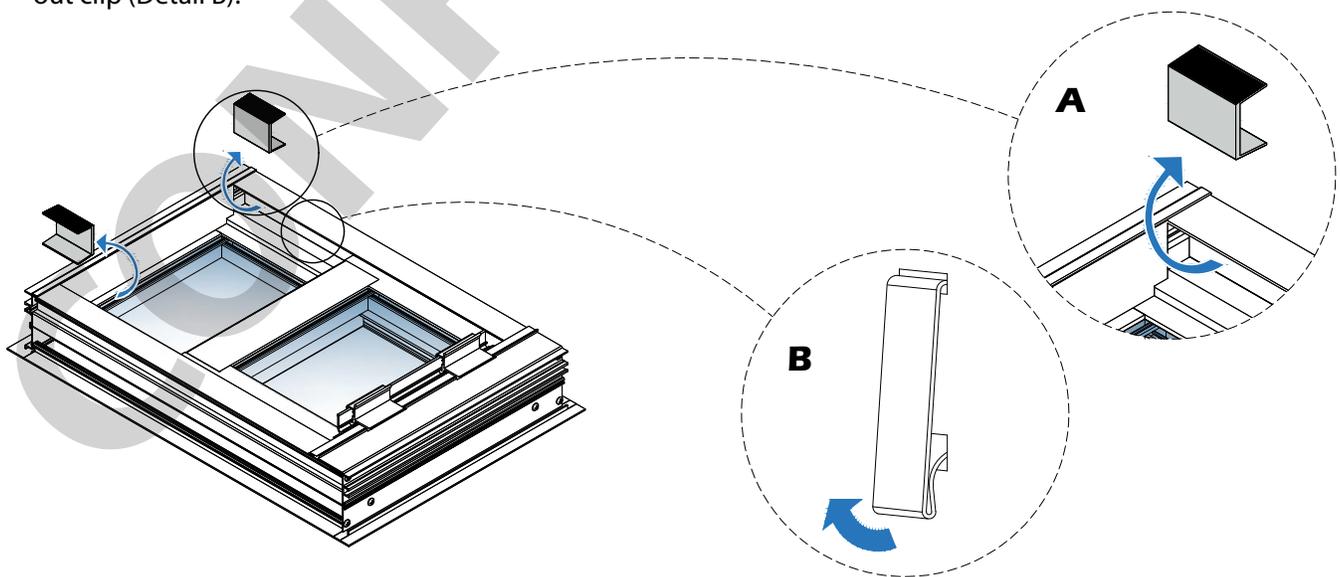
Prior to frame installation remove sash:

For window with block and tackle balances follow steps below:

2.1. Unlock vent latch to open the window.



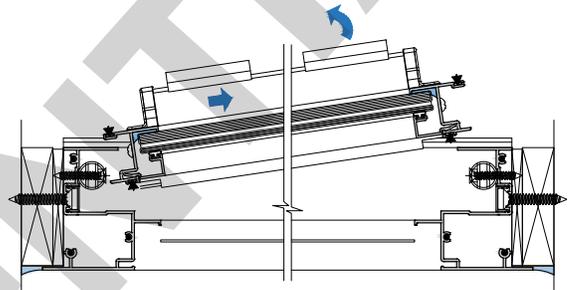
2.2. Remove the sash stops from both sides of the window (Detail A). Flip out block and tackle balance take out clip (Detail B).



2.3. Slide sash to the top of the window, push it towards the frame and take it out as shown in detail below.

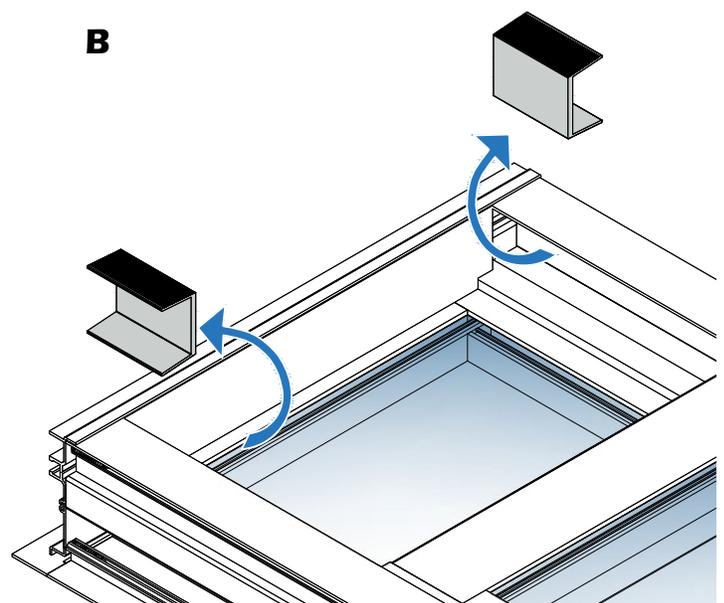
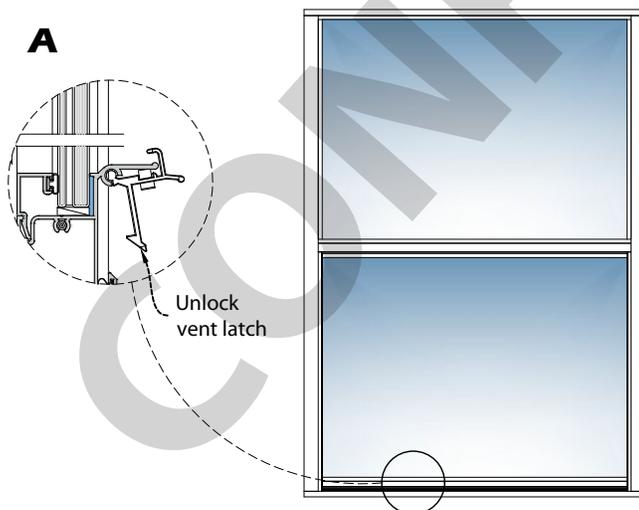


- Remove panel with the window in vertical position.
- Don't remove balance.

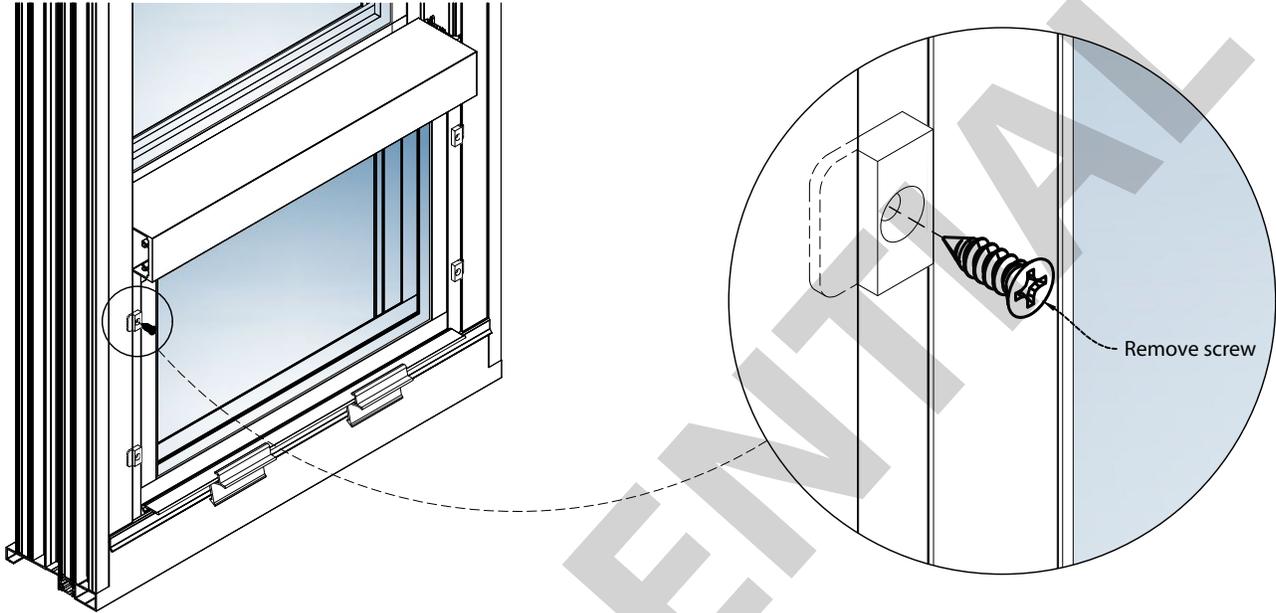


For windows with spiral balances follow steps below:

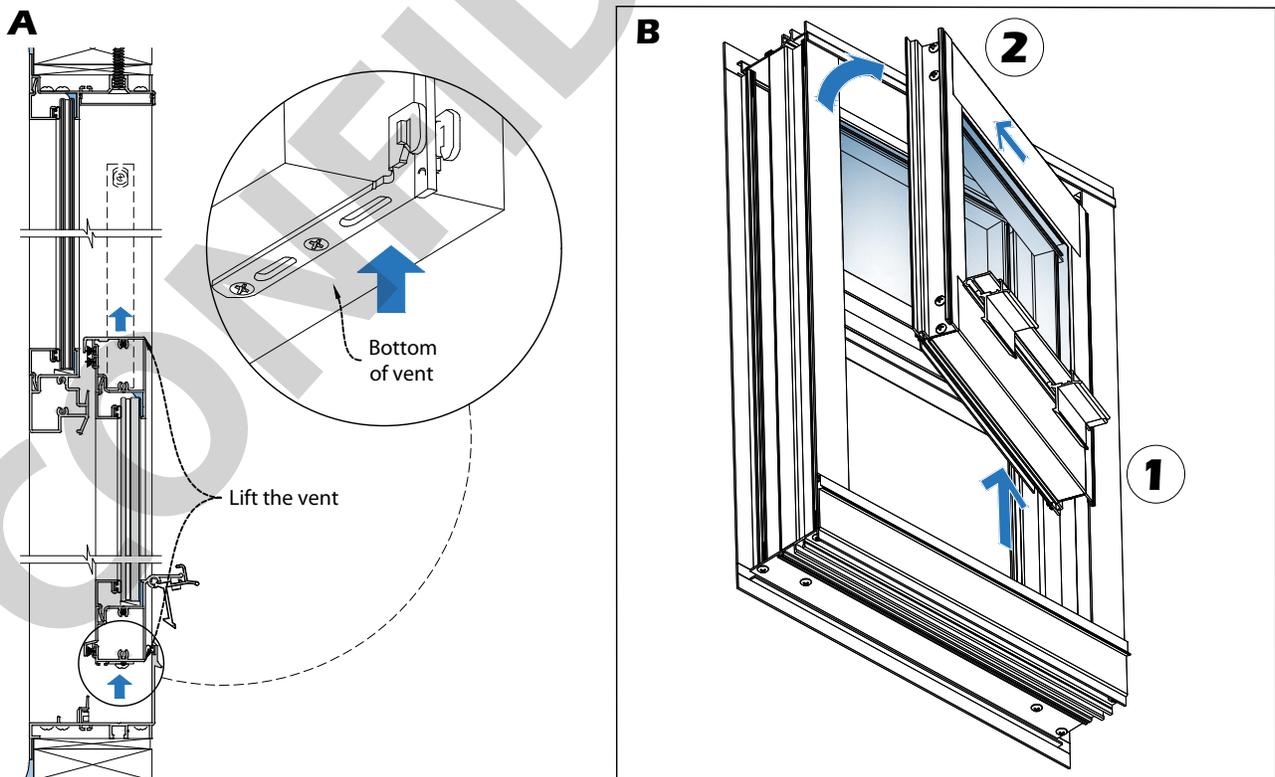
2.4. Unlock vent latch (Detail A) and remove sash stops from both side of the window (Detail B).



2.5. Remove plastic guides to release the vent.



2.6. Lift vent and disengage balance and non tilt plate (Detail A). Remove sash as shown in detail below (Detail B).



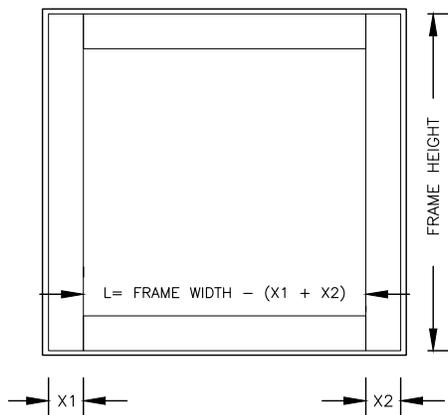
STEP 3

WOOD BUCKS INSTALLATION (ONLY IF REQUIRED):

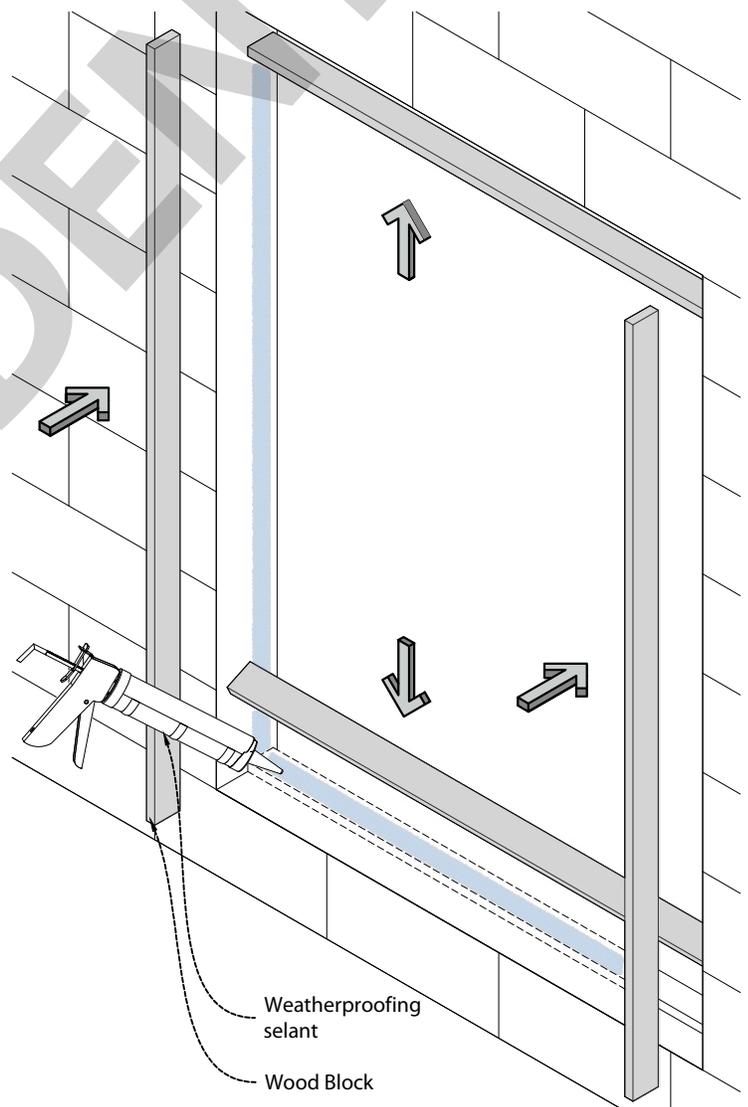
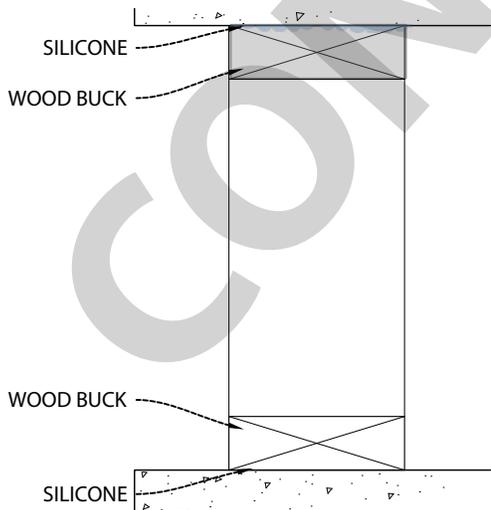
Preparation: cut wood bucks as required. Follow detail below.



Verify the architectural specifications in the shop drawings for information about the need of wood buck installation.



- 3.1. Clean the faces to be in contact with the sealant.
- 3.2. Apply waterproofing sealant around the opening.
- 3.3. Place the wood bucks as shown in details.

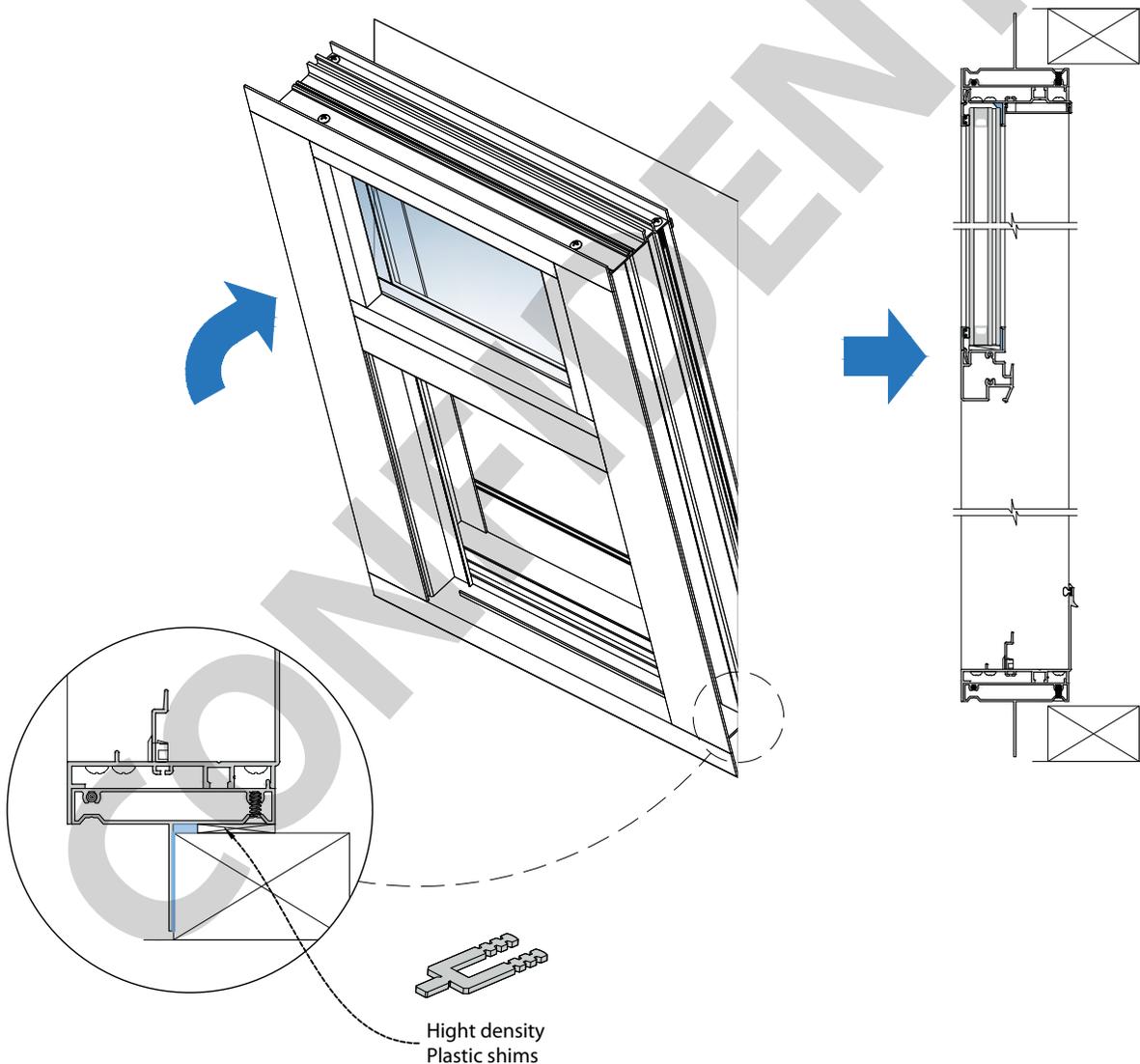


STEP 4

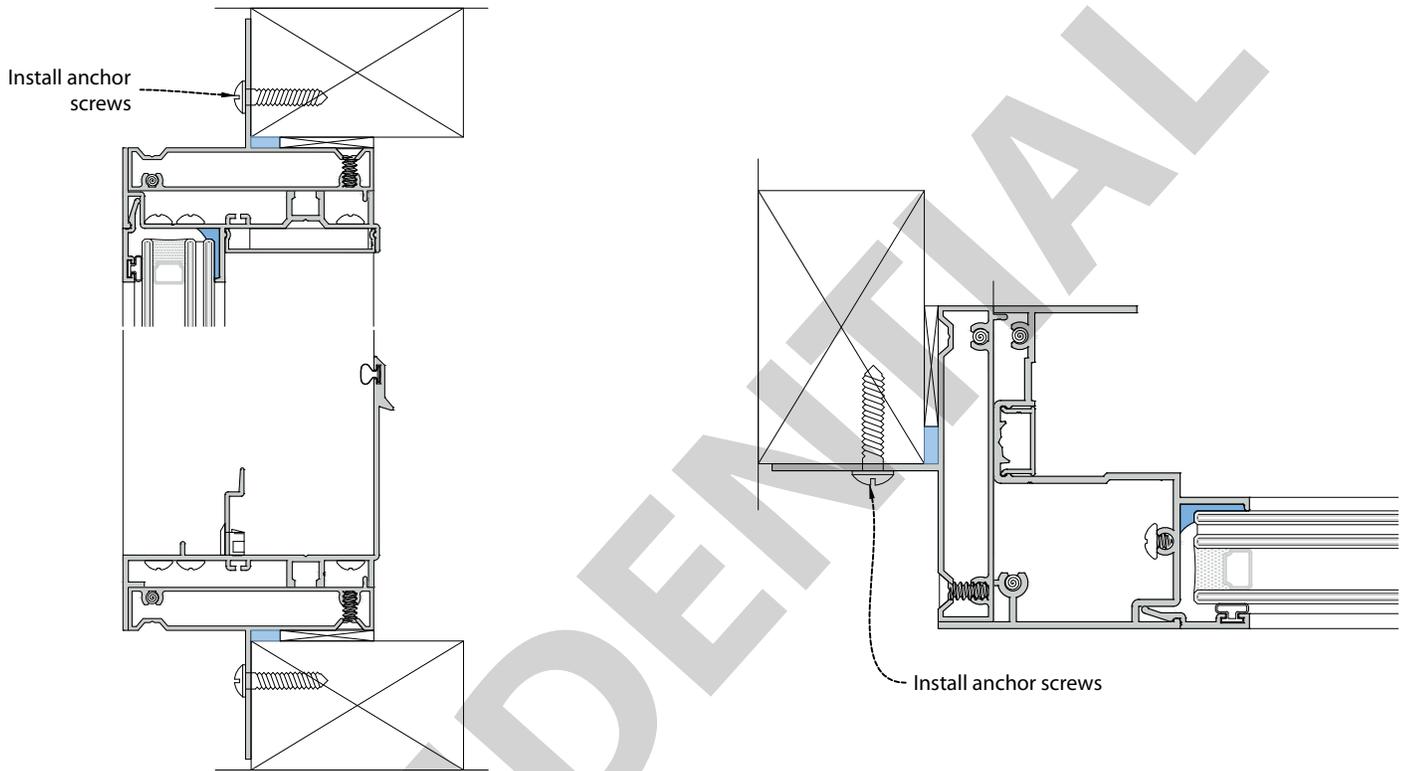
INSTALL FRAME:

For frames with fin adaptor follow steps below:

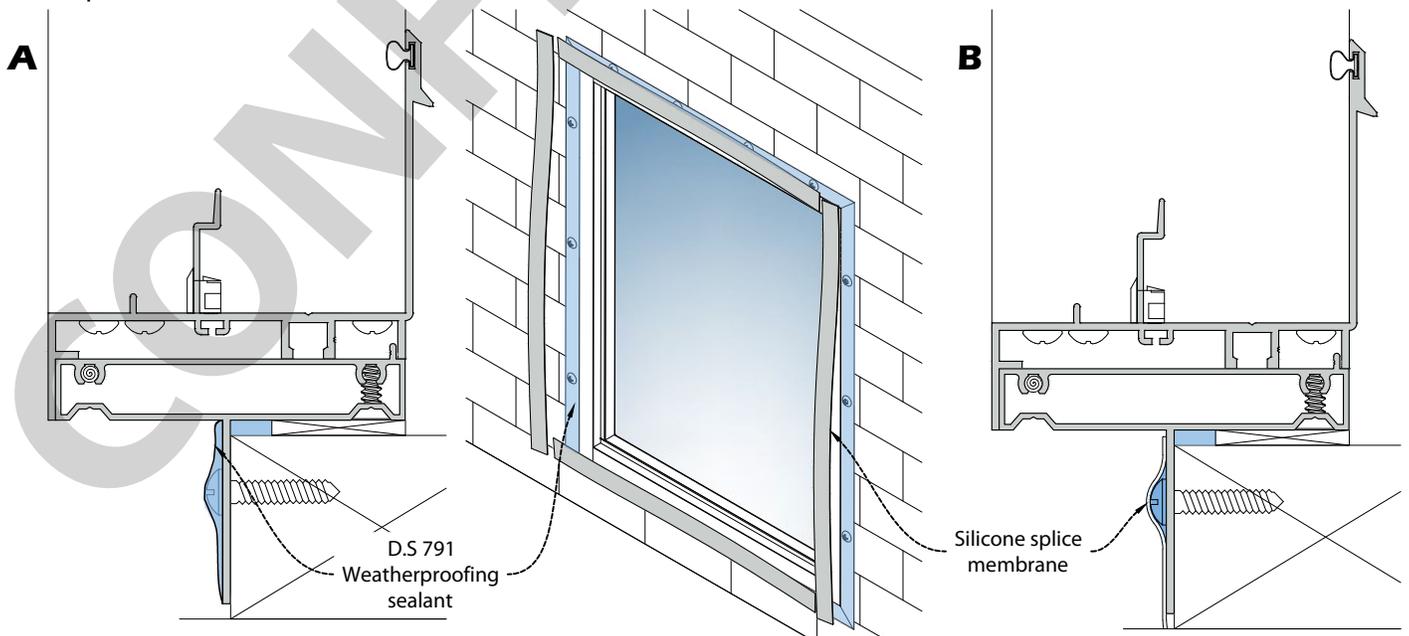
- 4.1. Clean all window surfaces and the opening.
- 4.2. From outside of the building place the window in the opening. Level, plumb and square the window, using hi-impact plastic shims.



4.3. Use frame holes as a guide to drill and install anchor screws.

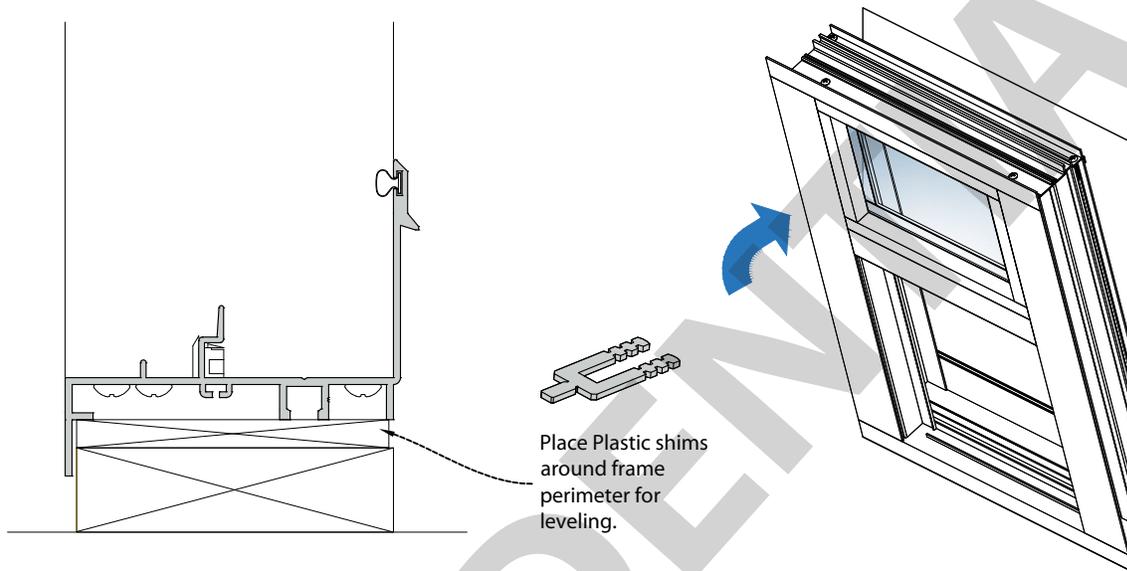


4.4. Apply weatherproofing sealant on top of screws (Detail A). Apply silicone splice membrane around frame perimeter. (Detail B).

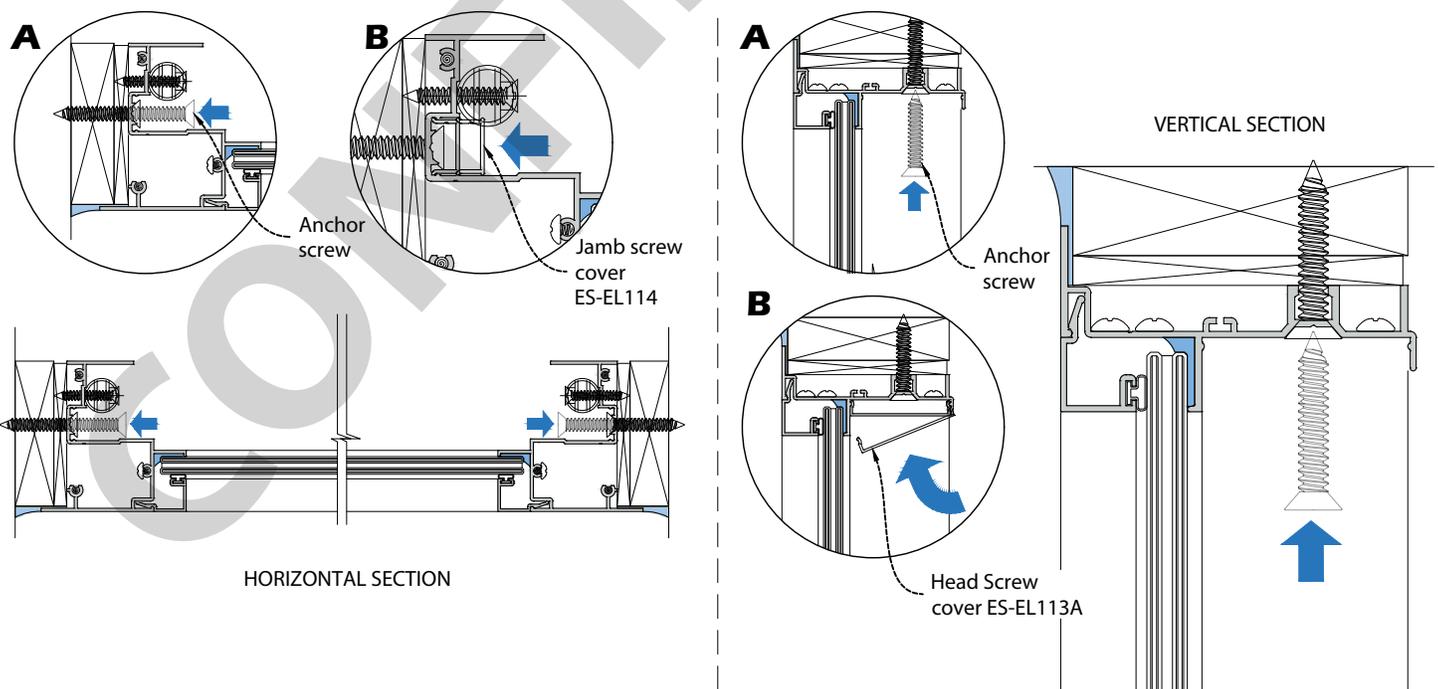


For flange windows follow steps below:

- 4.5. Clean all window surfaces and the opening.
- 4.6. Place frame in the opening. Level, plumb and square the window, using hi-impact plastic shims.

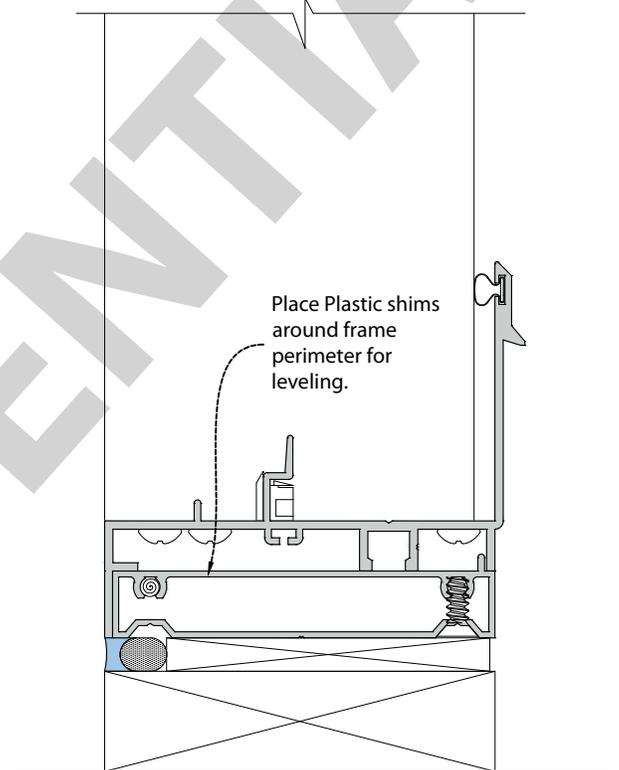
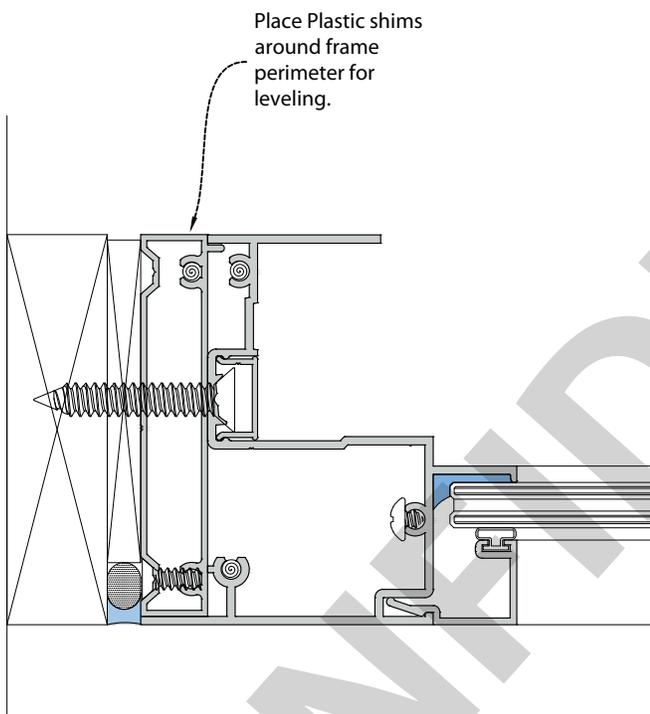


- 4.7. Use frame holes as a guide to drill and install anchor screws (Detail A). Install screw covers (Detail B).



For windows with flush frame follow steps below:

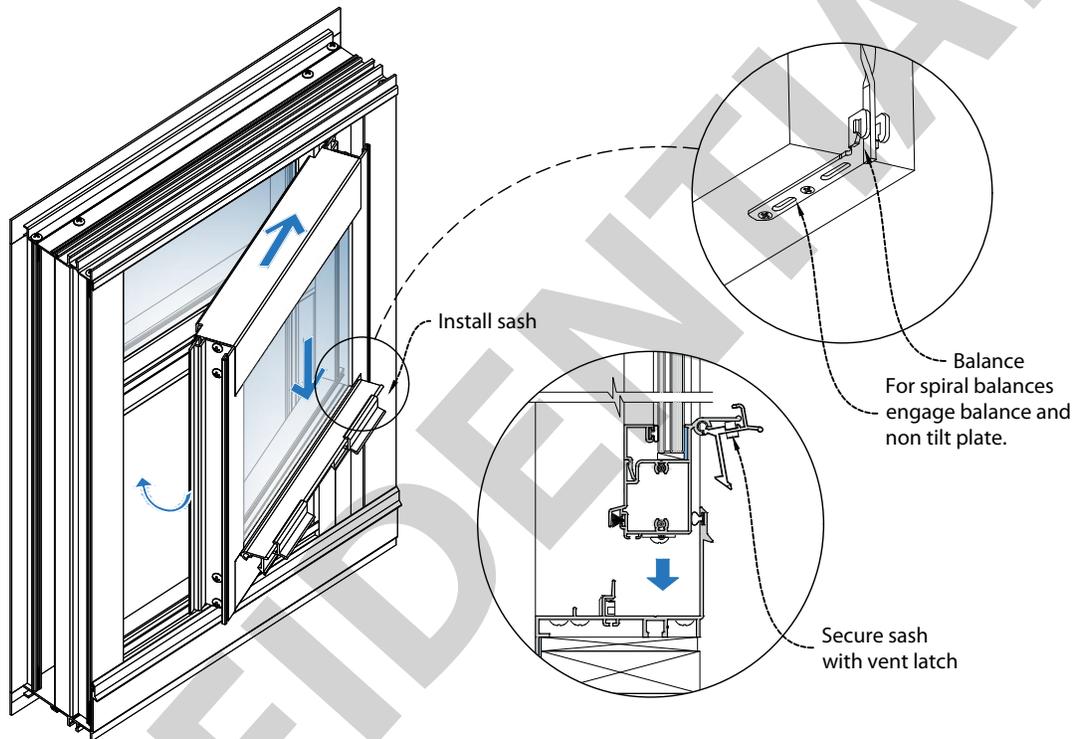
4.8. For windows with flush frame follow steps 4.5-4.7



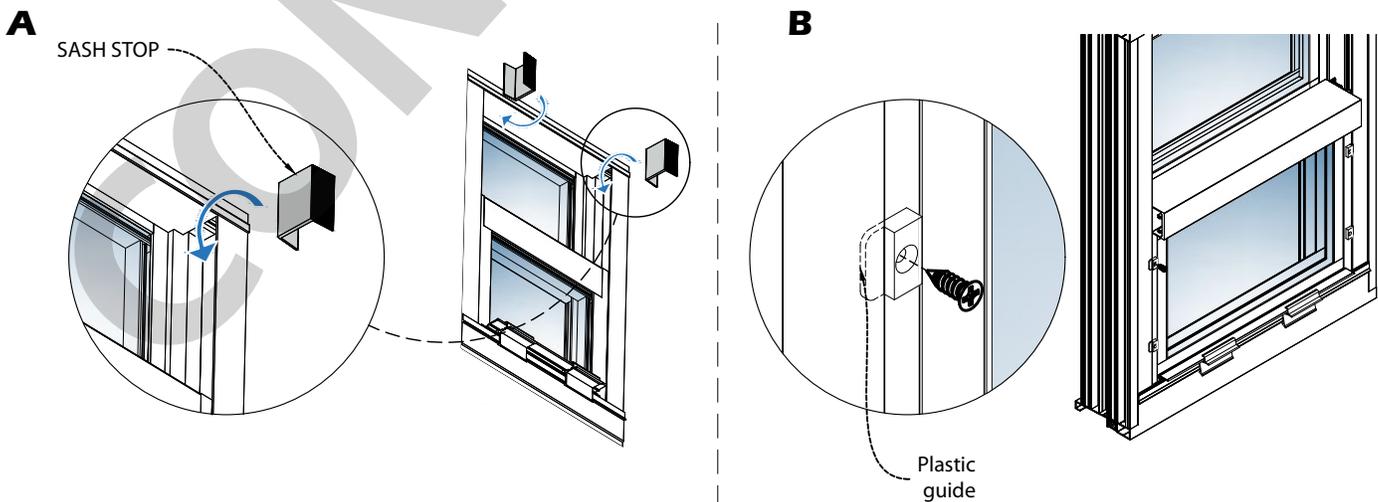
STEP 5

INSTALL SASH:

- 5.1. From inside of the building install sash as shown and secure it with the vent latch. Verify the correct operation of the balances.



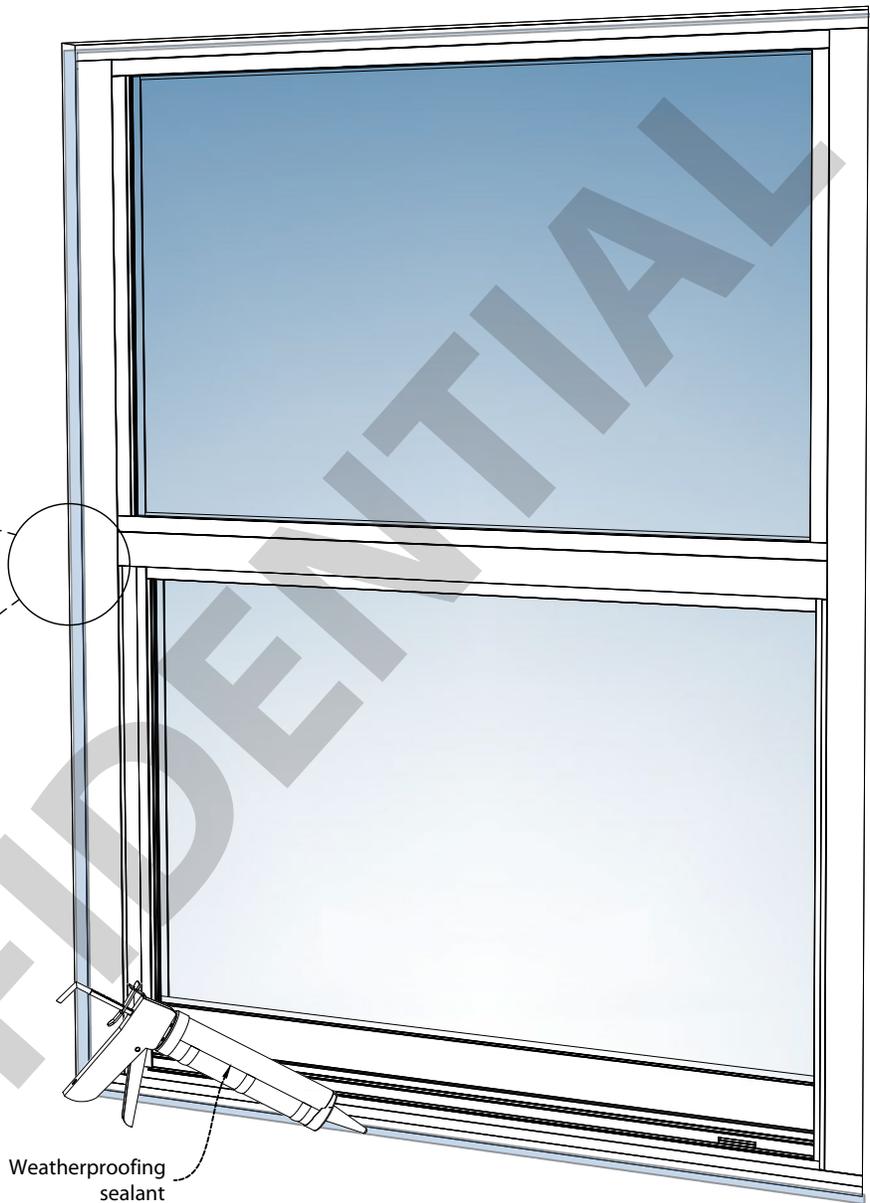
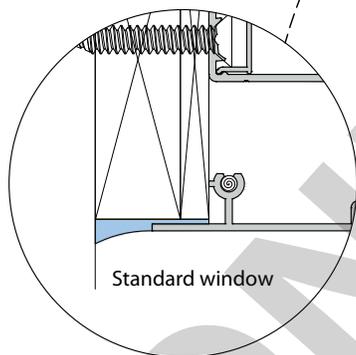
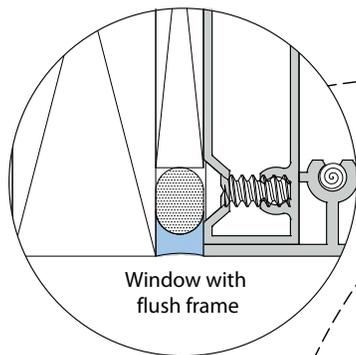
- 5.2. Place sash stop as shown in detail below (Detail A). For windows with spiral balances install plastic guides (Detail B). Verify the correct functionality of the window.



STEP 6

SEAL WINDOW PERIMETER:

- 6.1. Clean all window an opening surfaces. Insert backer rods and apply weatherproofing sealant to frame perimeter.



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