

INSTALLATION INSTRUCTIONS

ES-5000/5100



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:

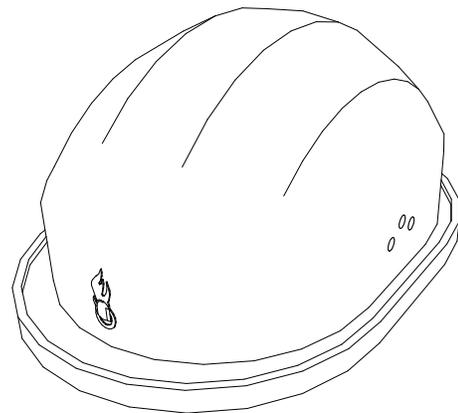
Contractors must have and execute an adequate QA/QC policy to guarantee the product installation is within industry standards and ESW guidelines. Once the product is received in acceptance by the contractor, any damage or installation problems are no longer responsibility of ESWINDOWS.

INTRODUCTION

ES-5000, ES-5100 are casement and fix systems.

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

TOOLS AND SUPPLIES REQUIRED FOR INSTALLATION.....Page. 3

PARTS REQUIRED FOR INSTALLATION.....Page. 4

INSTALLATION

STEP 1
Inspection and verification.....Page. 5

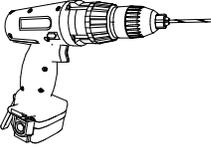
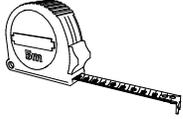
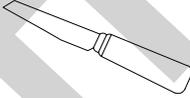
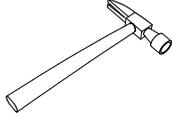
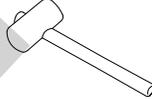
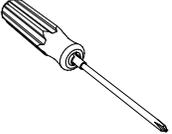
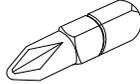
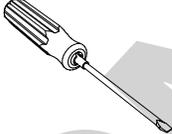
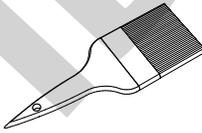
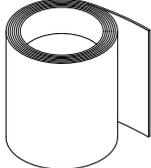
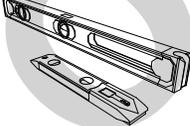
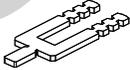
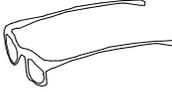
STEP 2
Handle installation (For casement window only).....Page. 6

STEP 3
Window installation.....Page. 7-12

STEP 4
Perimeter seal.....Page. 13

REVIEW

TOOLS AND SUPPLIES FOR INSTALLATION

Detail	Description	Detail	Description	Detail	Description
	Drill		Plumb		Thinner
	Meassure 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	DETAIL	DESCRIPTION
ES-5016		ANCHOR COVER (FIXED)
#10x1" P.H. S.M.S ST/ST		FOR FRAME ASSEMBLY
#8x1" F.H. S.M.S ST/ST		FOR BAR GUIDE
#8x1/2" P.H. S.M.S ST/ST		FOR LIMIT DEVICE
CL02		LOCK BAR
D.C 791 or equal		WEATHERPROOFING SEALANT

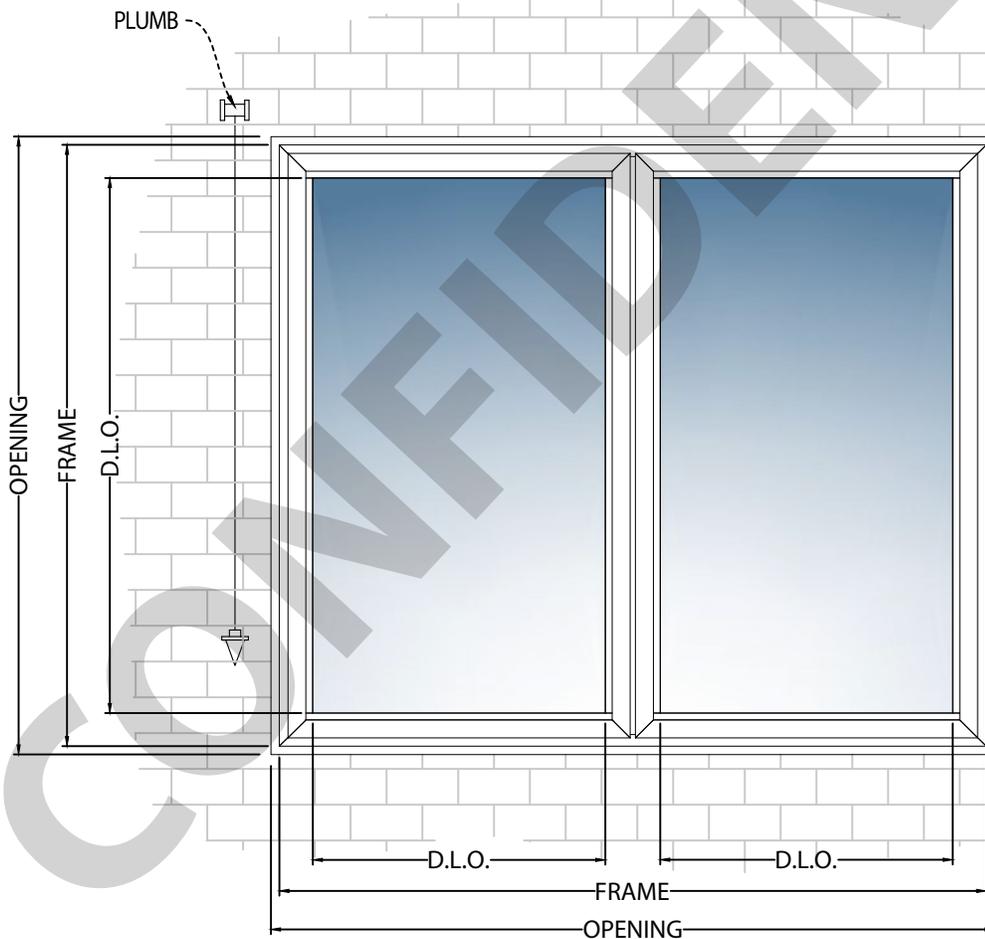


Check the technical manuals and guides by sealant manufacturers to apply silicone correctly.

STEP 1

INSPECTION AND VERIFICATION:

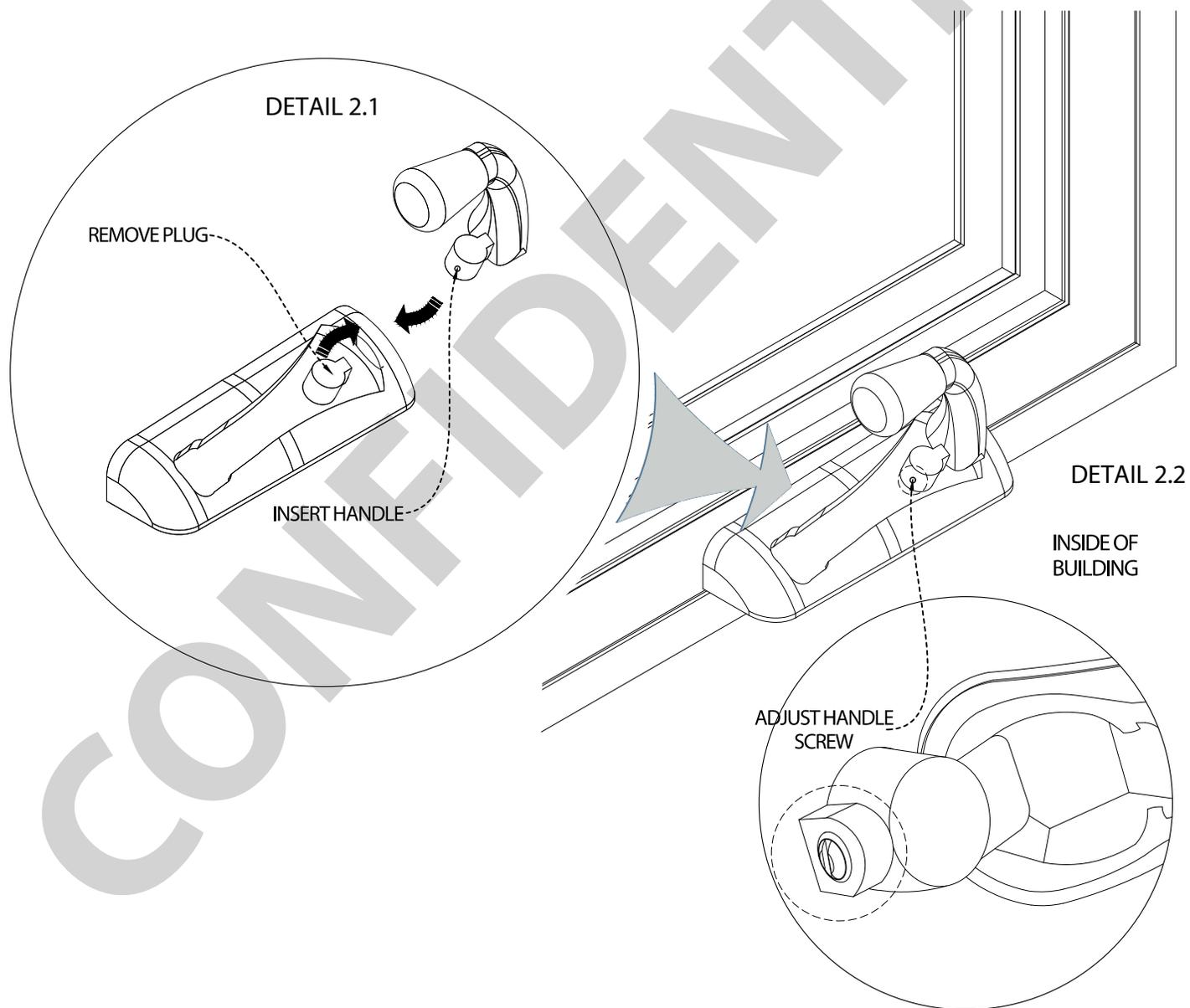
- 1.1 The rough opening should be checked for the correct size as determined by dimensions listed in the architectural specifications and the shop drawings. Measure rough opening in several places to determine variations.
- 1.2 Check all the material upon arrival for quantity and damage.
- 1.3 Remove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



STEP 2

INSTALL THE HANDLE (FOR CASEMENT WINDOW ONLY):

- 2.1. Remove provisional plug from operator and insert handle, as shown in detail 2.1.
- 2.2. Adjust handle screw.



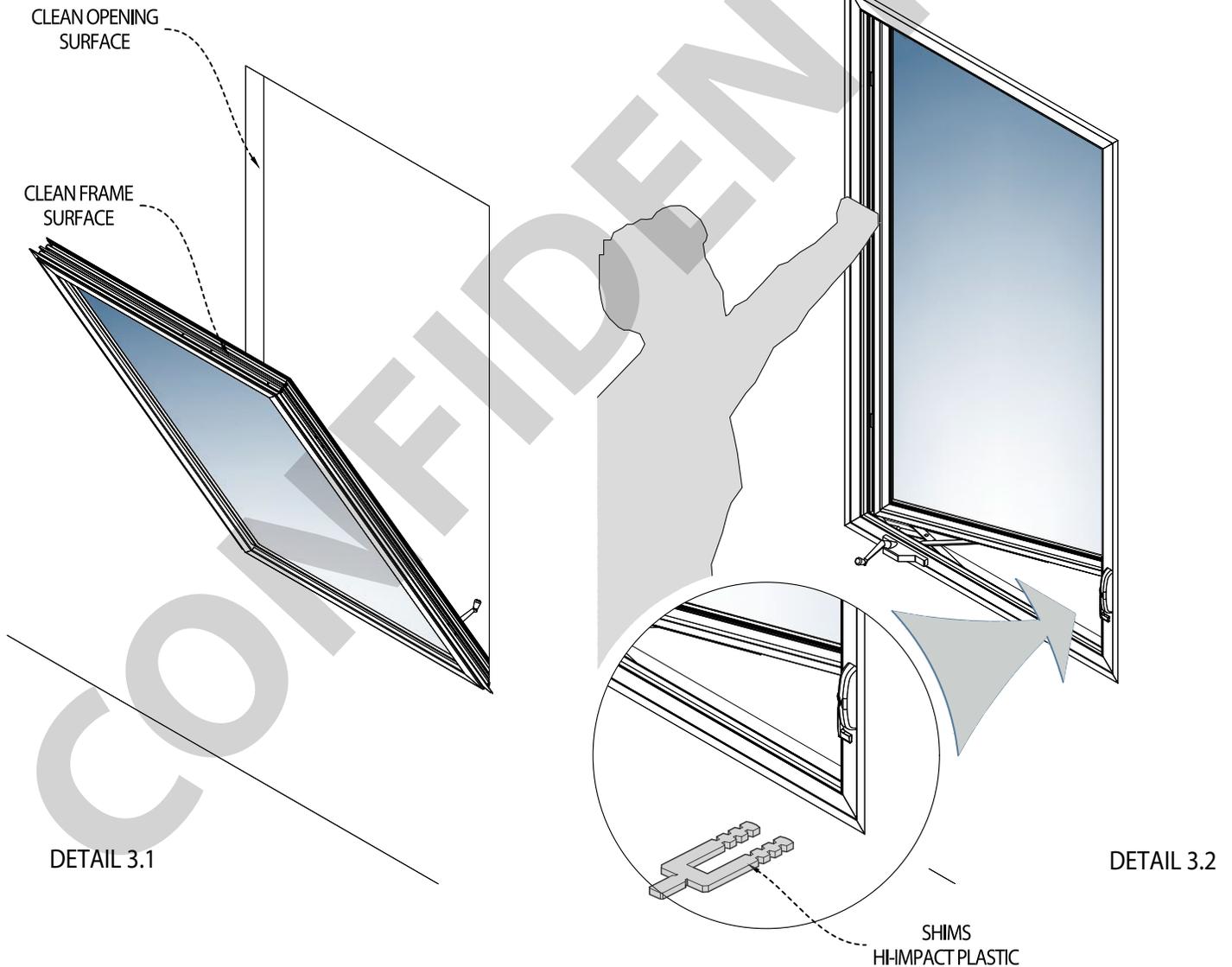
STEP 3

WINDOW INSTALLATION:

- 3.1. Clean the opening and the frame surfaces that will be contact with the sealant.
- 3.2. Place the frame in the opening. Use shims to level, if necessary.



For ES-5000 casement window, open the window carefully before the installation. Make sure to balance the weight of the leaf to prevent the window from falling.

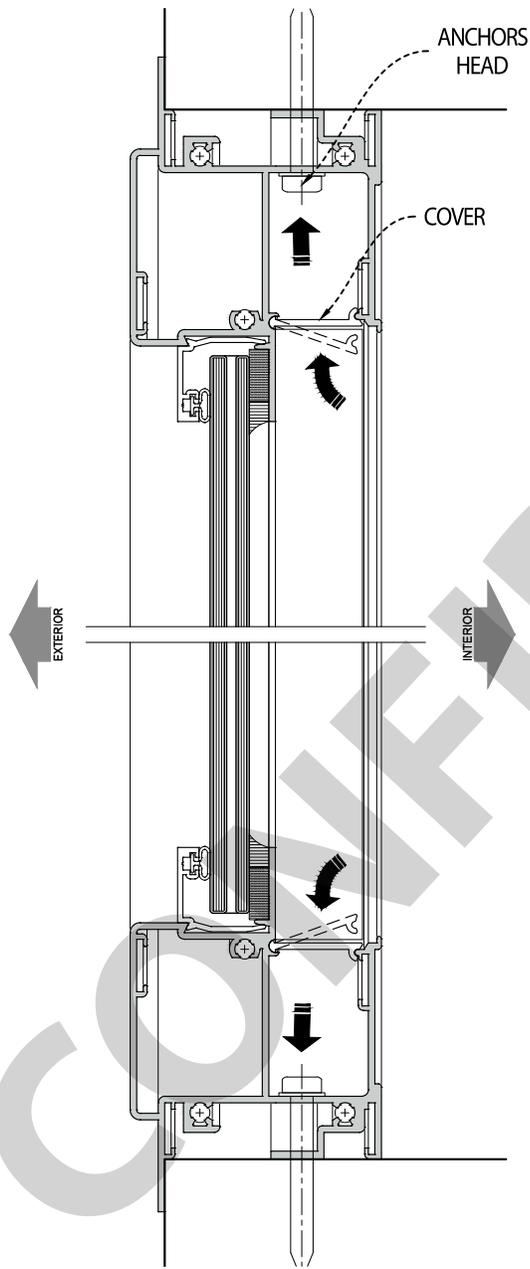


INSTALLATION INSTRUCTIONS

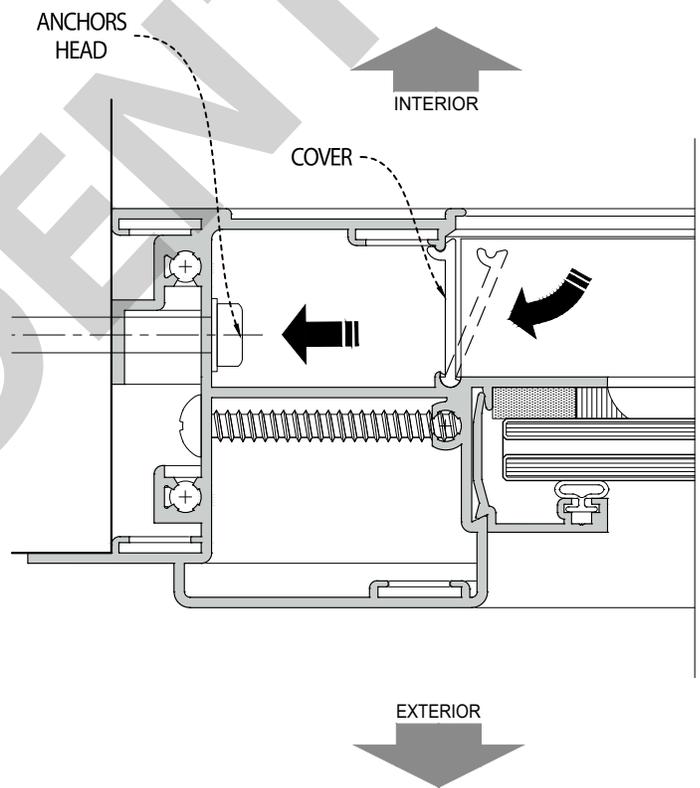
3.3. For ES-5100 fixed window, fix the frame as shown in detail. Apply silicone to anchors head and install the covers.



For ES-5100 fixed window follow steps 1.1-1.5, 3.1-3.3, and 4.1.



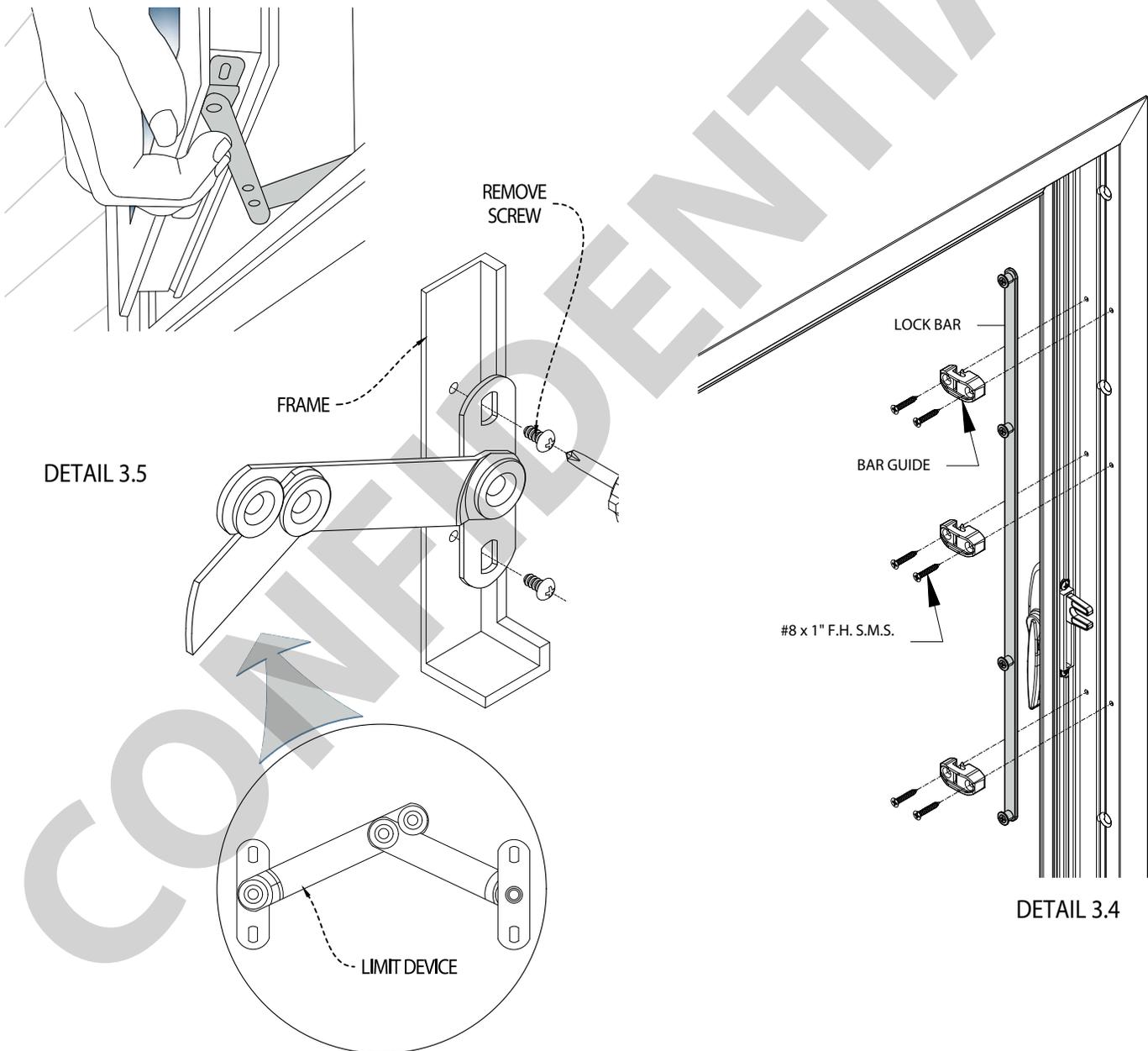
DETAIL 3.3(VERTICAL SECTION)



DETAIL 3.3(HORIZONTAL SECTION)

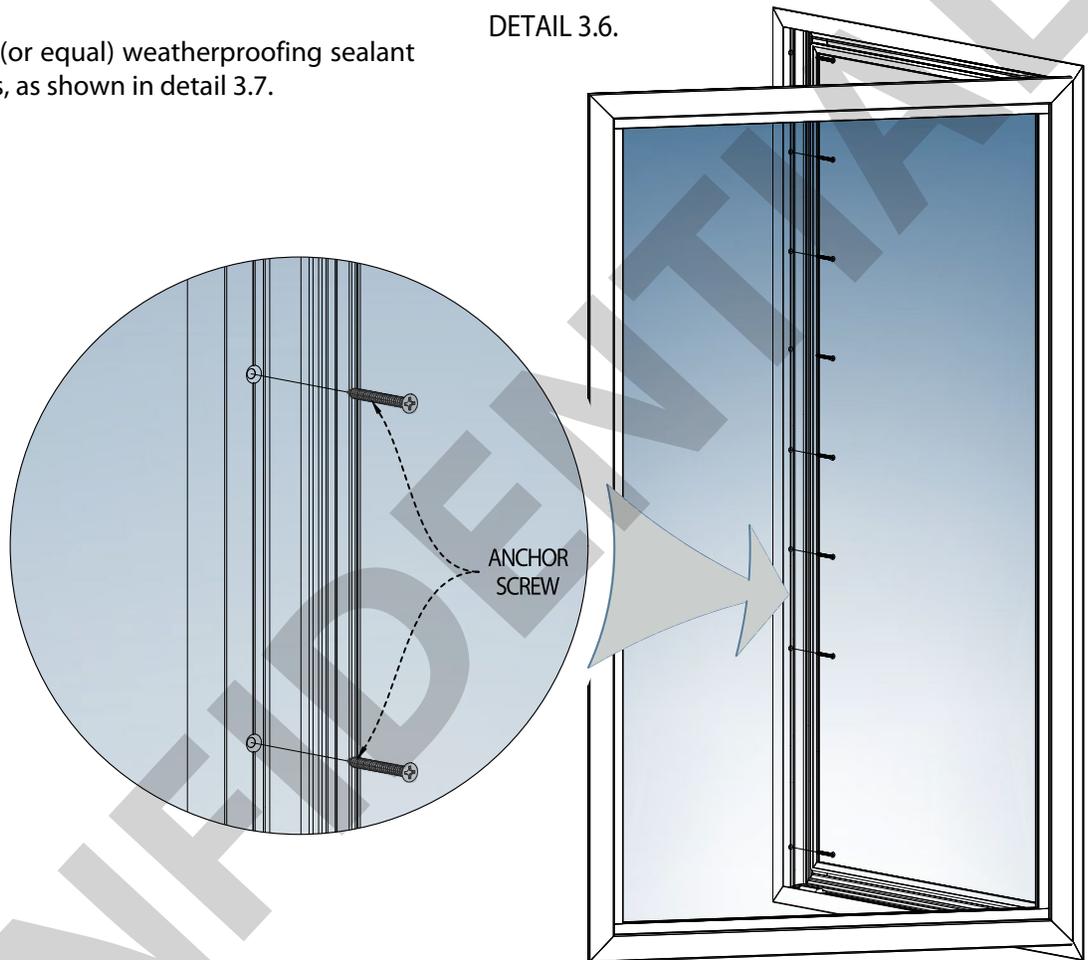
INSTALLATION INSTRUCTIONS

- 3.4. For ES-5000 casement window, disengage Safetystay limit device from the frame, removing #8x1/2" P.H. screws as shown in detail 3.4.
- 3.5. For ES-5000 casement window, remove the #8 x 1" F.H. screws to uninstall the lock bar as shown in detail.

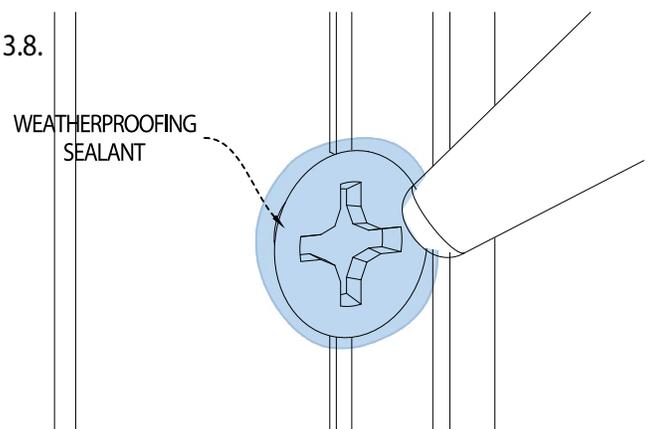


- 3.6. Open the vent to its limit in order to drill the opening.
- 3.7. Use the frame perforations as a guide to drill the anchor holes in the opening. Fix the frame with the required screws, as shown in detail 3.6.
- 3.8. Apply Dowsil 791 (or equal) weatherproofing sealant to head of anchors, as shown in detail 3.7.

DETAIL 3.6.



DETAIL 3.8.

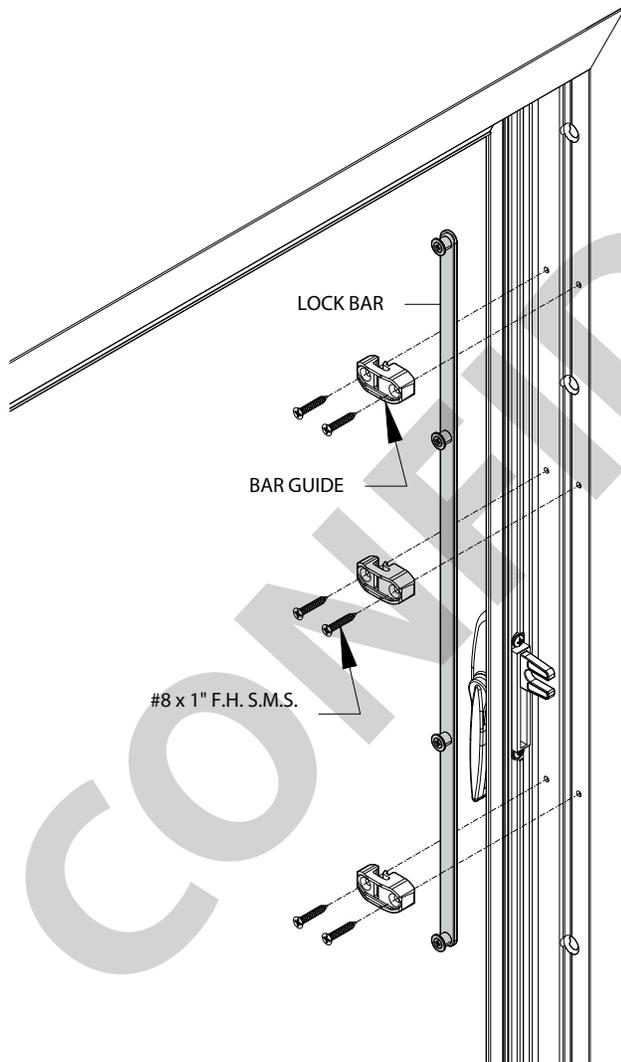


INSTALLATION INSTRUCTIONS

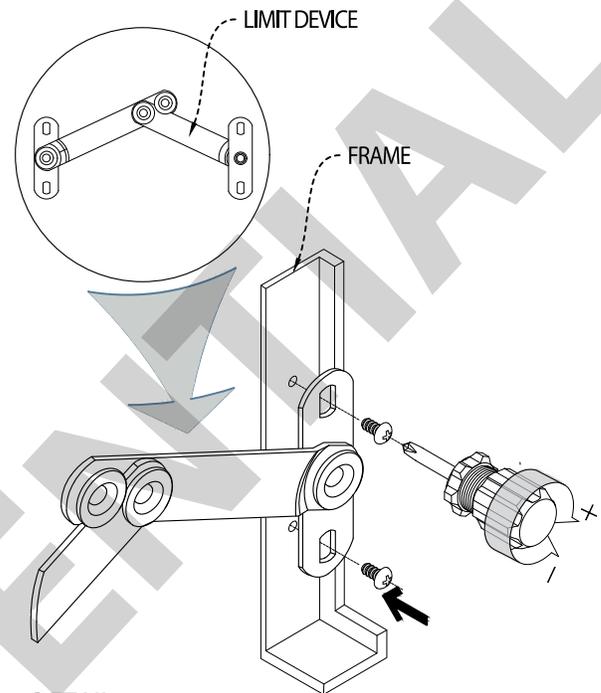
ES-5000/ES-5100
CASEMENT
VERSION 4
I-DD-36

3.9. Install the lock bar as shown in detail 3.9.
After installing make sure to adjust lockbar pins as
shown in detail 3.9A.

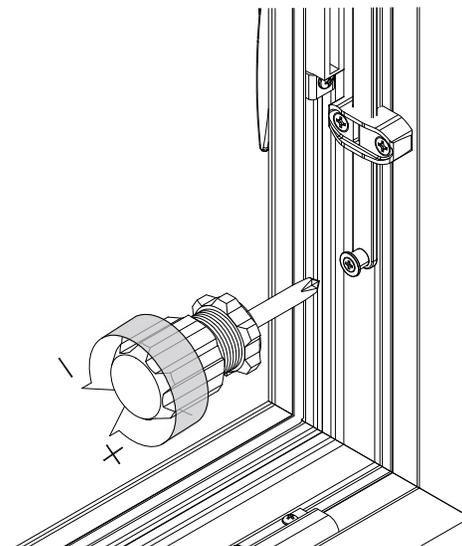
3.10. Once the window has been correctly installed, secure
it with Safety stay limit device, fixing #8x1/2" P.H.
screws on frame as shown in detail 3.10. Make sure to
adjust screws properly and operate the window
several times to check the installation



DETAIL 3.9



DETAIL 3.10



DETAIL 3.9A

- 3.11. To test the compression of the gasket and that the system is airtight, insert a dollar bill between the vent and the frame; close the vent and pull gently the bill, it should come out with some friction.
- 3.12. Operate the vent several times to guarantee its correct functionality.



Dollar bill between the
frame and the vent

STEP 4

PERIMETER SEAL:

- 4.1. Apply sealant in the perimeter of the frame.



INSTALLATION INSTRUCTIONS

REVIEW No.	DATE	DESCRIPTION	PAG.
3	OCT-27-18	LIMIT DEVICE INSTALLATION ADDED, GENERAL UPDATE	ALL.
4	OCT-28-19	OPERATOR HANDLE AND LOCK BAR INSTALLATION DETAILS ADDED	6 - 11

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