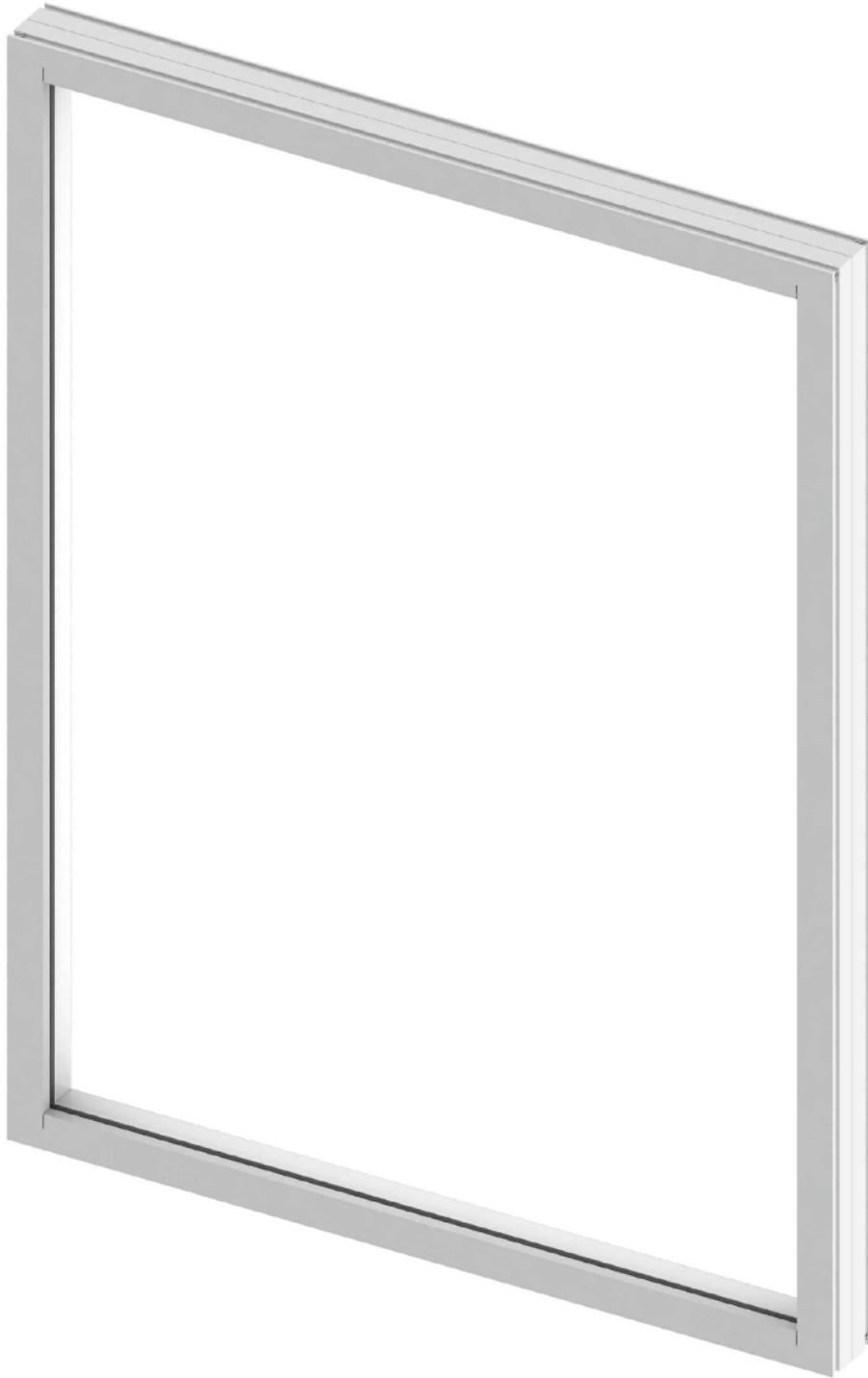


INSTALLATION INSTRUCTIONS

ES-EL150



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.

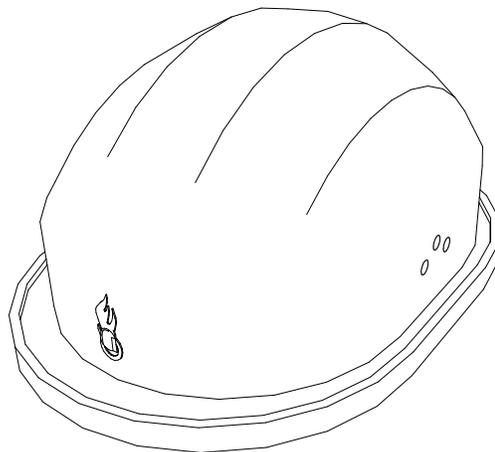
- Wear the necessary personal protective equipment for product installation.
- Take safety precautions when performing the activity.
- Please follow the steps and make sure you have appropriate personal protective equipment and follow the rules established by the guidance for working at height, if required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

INTRODUCTION

ES-EL150 is a fixed window system.

This guide illustrates step by step the correct way to install the system.

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



INSTALLATION INSTRUCTIONS

TOOLS AND SUPPLIES REQUIRED FOR INSTALLATION.....Page 2

PARTS REQUIRED FOR INSTALLATION.....Page 3-4

INSTALLATION

 STEP 1
 INSPECTION AND VERIFICATION.....Page 5

 STEP 2
 FRAME SEAL..... Page 6

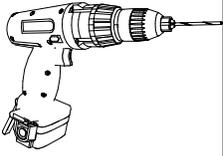
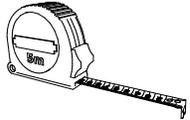
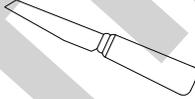
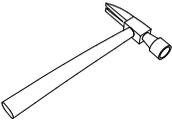
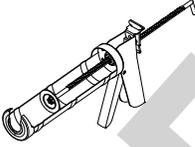
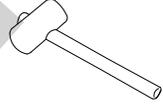
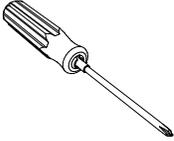
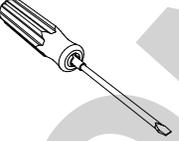
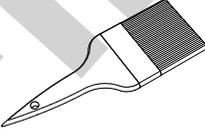
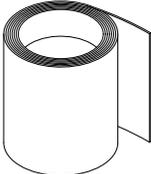
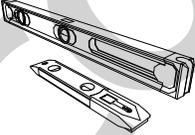
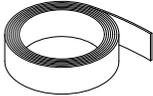
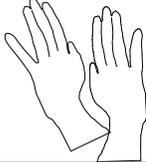
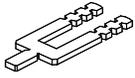
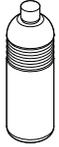
 STEP 3
 WINDOW INSTALLATION Page 7

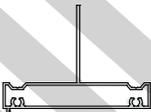
 STEP 4
 FIXING THE WINDOW Page 8-10

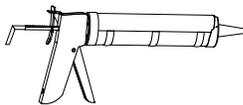
 STEP 5
 PERIMETER SEALPage 11

REVIEW

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

ES-EL150 PARTS DESCRIPTIONS				
CODE	PART	DETAILS	DESCRIPTION	MATERIAL
EXTRUSIONS				
E1	ES-EL152		COVER FOR FIXED FRAME	6063-T6
E2	ES-EL112		FLUSH FRAME ADAPTER	6063-T6
E3	ES-EL110		GLAZING BEAD (7/16" GLASS)	6063-T6
E4	ES-EL111		GLAZING BEAD (INSUL. LAM GLASS)	6063-T6
E5	ES-EL109		GLAZING BEAD (5/16" GLASS)	6063-T6
E6	ES-EL115		FLUSH FRAME WITH FIN	6063-T6

PARTS REQUIRED FOR INSTALLATION		
PART	DETAIL	DESCRIPTION
ES-5008A		GLAZING GASKET
80-372A		SETTING BLOCK FOR LAMINATED GLASS
EL100-B01		SETTING BLOCK FOR INSUL. LAM. GLASS
#8X1" F.H. ST/ST		FRAME FLUSH ADAPTER ASSEMBLY
#8X1" P.H. ST/ST		FRAME ASSEMBLY
D.C 791		WEATHERPROOFING SEALANT

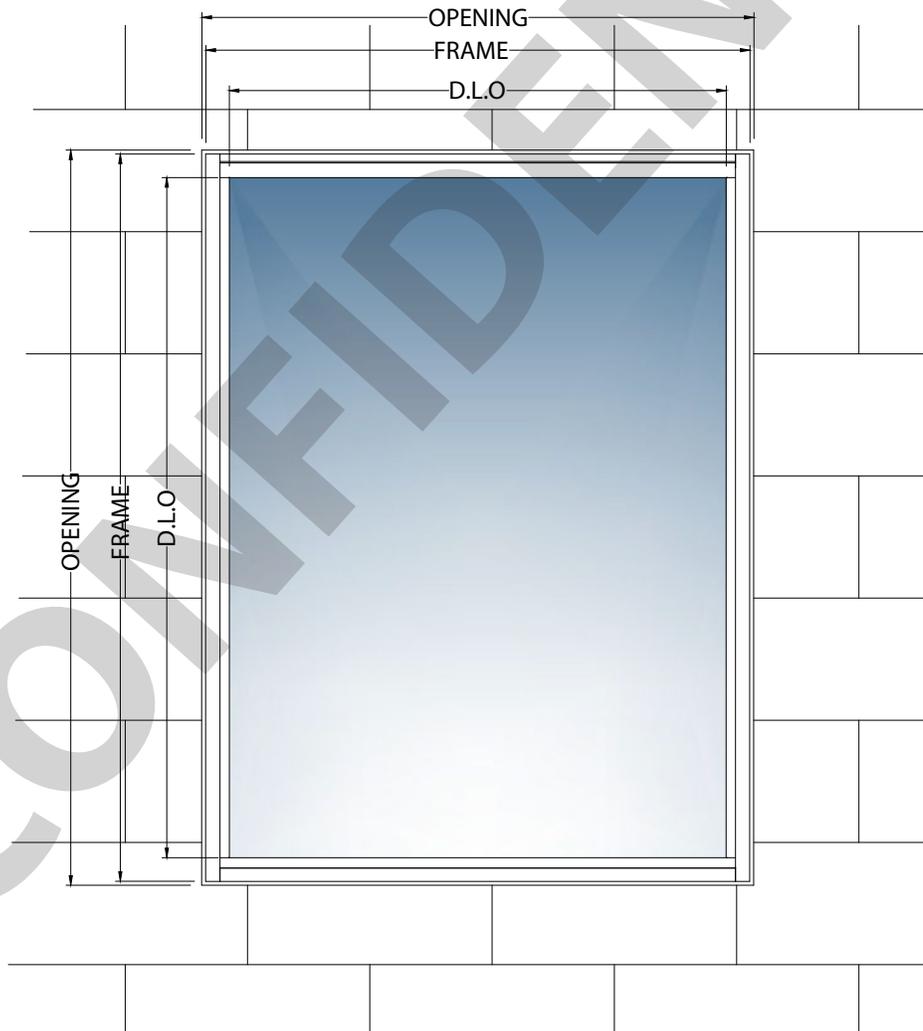


Check the technical manuals and guides by sealant manufacturers to apply silicone correctly.

STEP 1

INSPECTION AND VERIFICATION:

- 1.1. Verify the rough opening is in right conditions (plumb, level and square) and matches the size specified in shop drawings.
- 1.2. Check all the material upon arrival for quantity and damages.
- 1.3. Remove all debris that interfere with the proper installation of the unit.
- 1.4. In case there is any difference with shop drawings, please photograph and report immediately to ESWINDOWS.



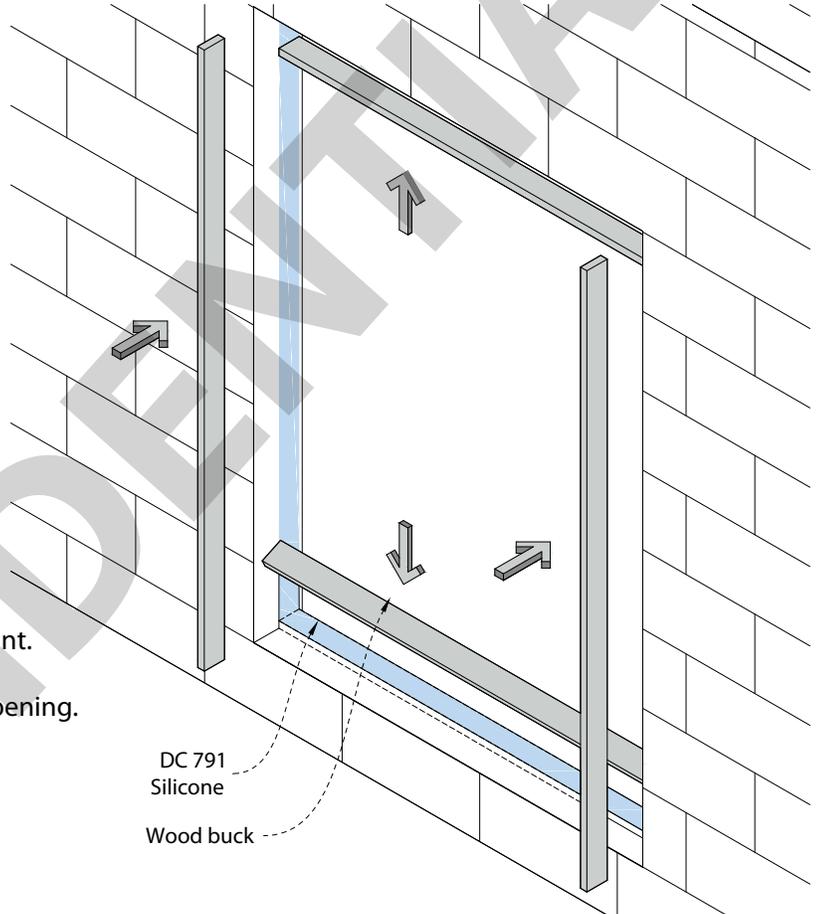
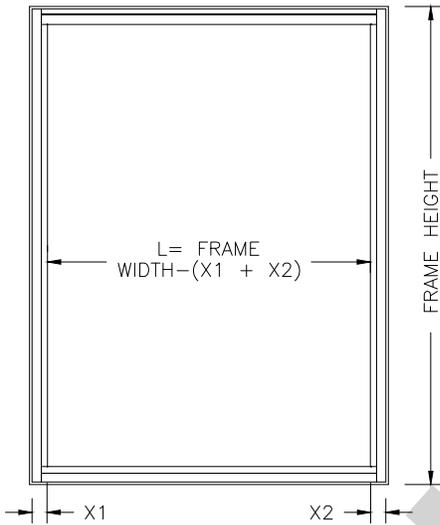
STEP 2

WOOD BUCKS INSTALLATION: (ONLY IF REQUIRED)

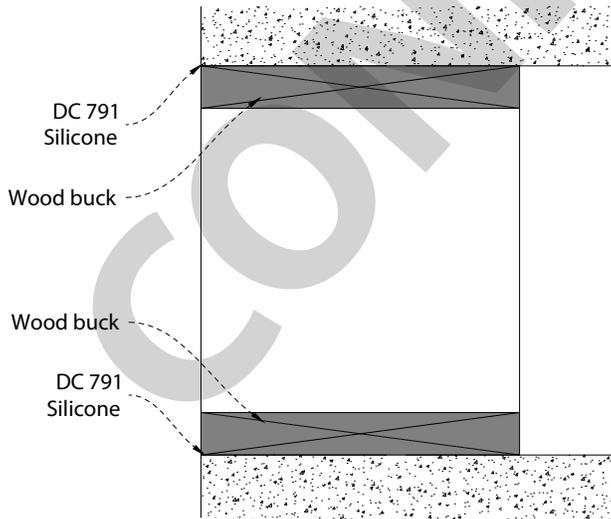
PREPARATION: Cut wood bucks as required.
Follow detail below.



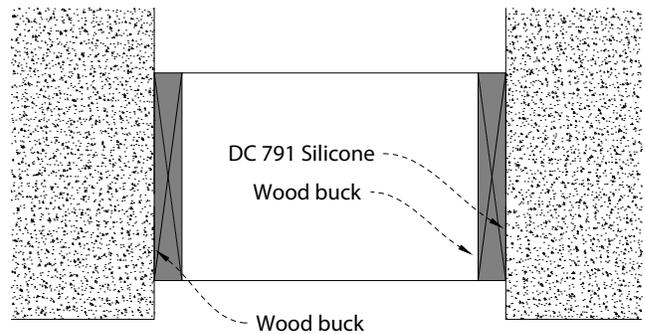
Verify the architectural specifications in the shop drawings for information about the need of wood buck installation.



- 2.1. Clean the faces to be in contact with the sealant.
- 2.2. Apply weatherproofing sealant around the opening.
- 2.3. Place the wood bucks as shown in detail



VERTICAL DETAIL

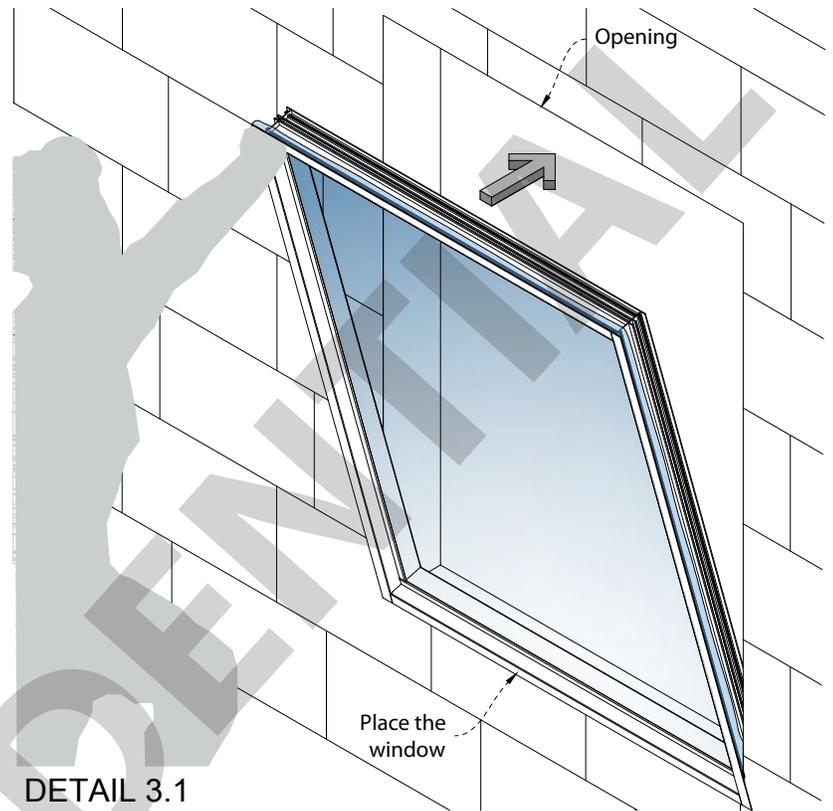


HORIZONTAL DETAIL

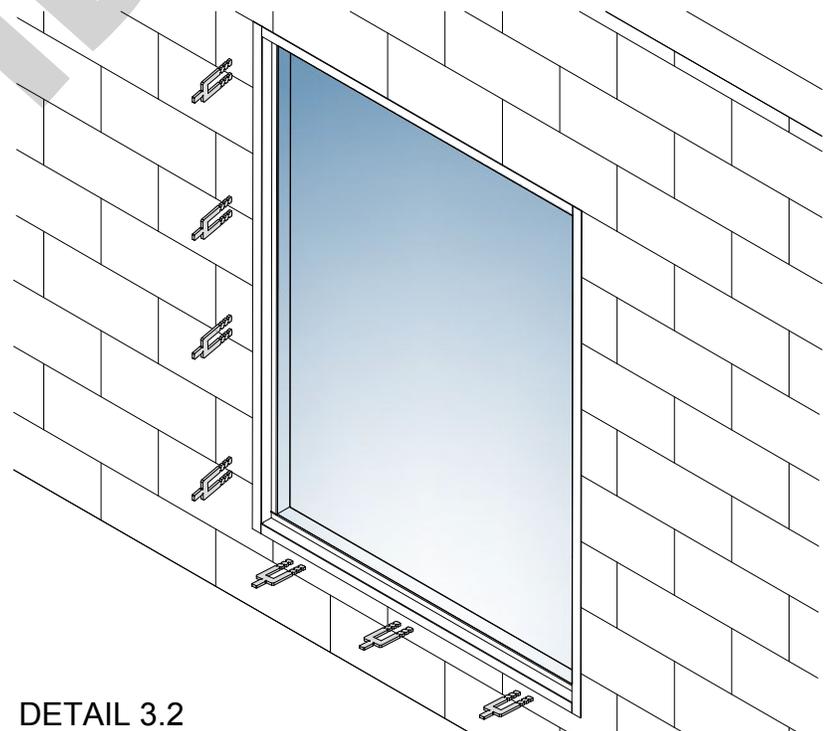
STEP 3

WINDOW INSTALLATION:

- 3.1. Place the window in the opening from the outside of the building.
- 3.2. From the inside of the building place shims to level the window as shown in detail. (Place shims from the outside of the building if the units have flush frame adapter).



DETAIL 3.1



DETAIL 3.2

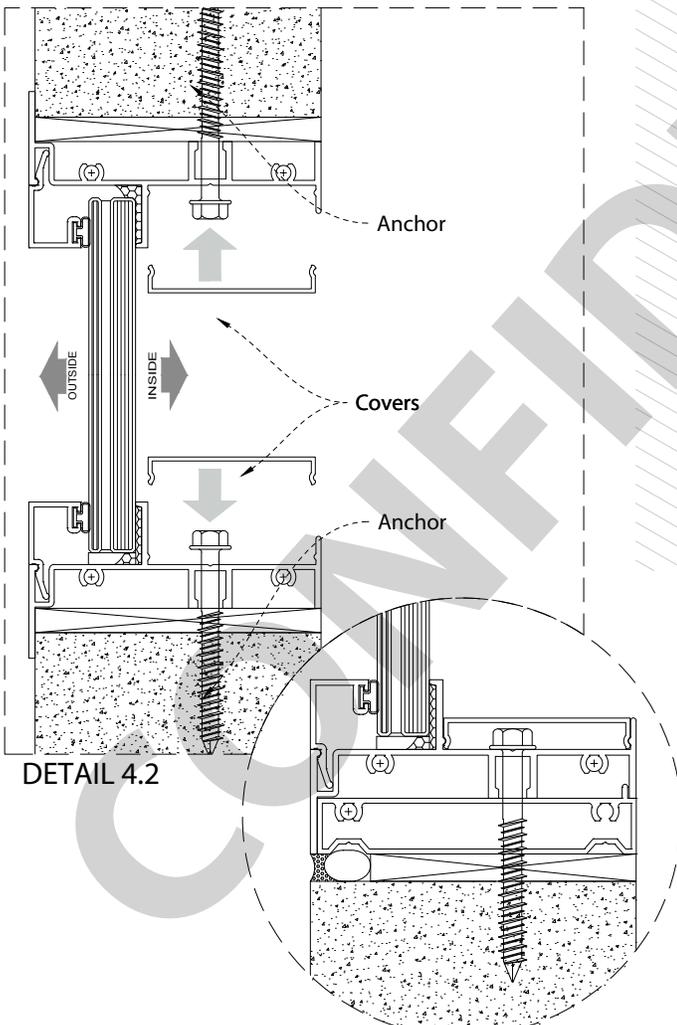
STEP 4



Follow the same procedure to install unit with flush frame adapter.

FIXING THE WINDOW:

- 4.1. From the inside of the building, fix the window with the required anchors.
- 4.2. Place the cover as show in detail; horizontals first.

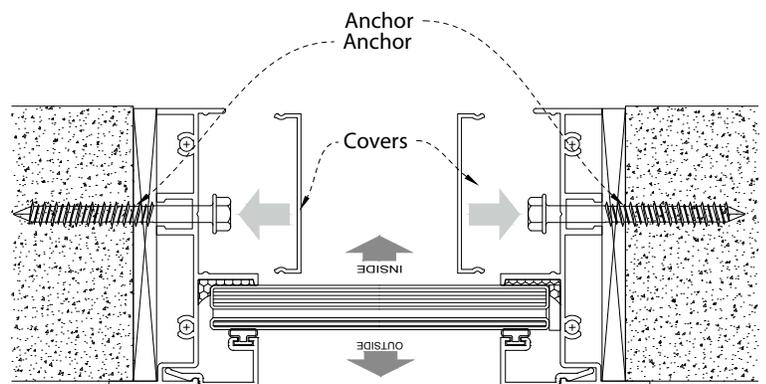


DETAIL 4.2

FLUSH FRAME ADAPTER
DETAIL



DETAIL 4.1

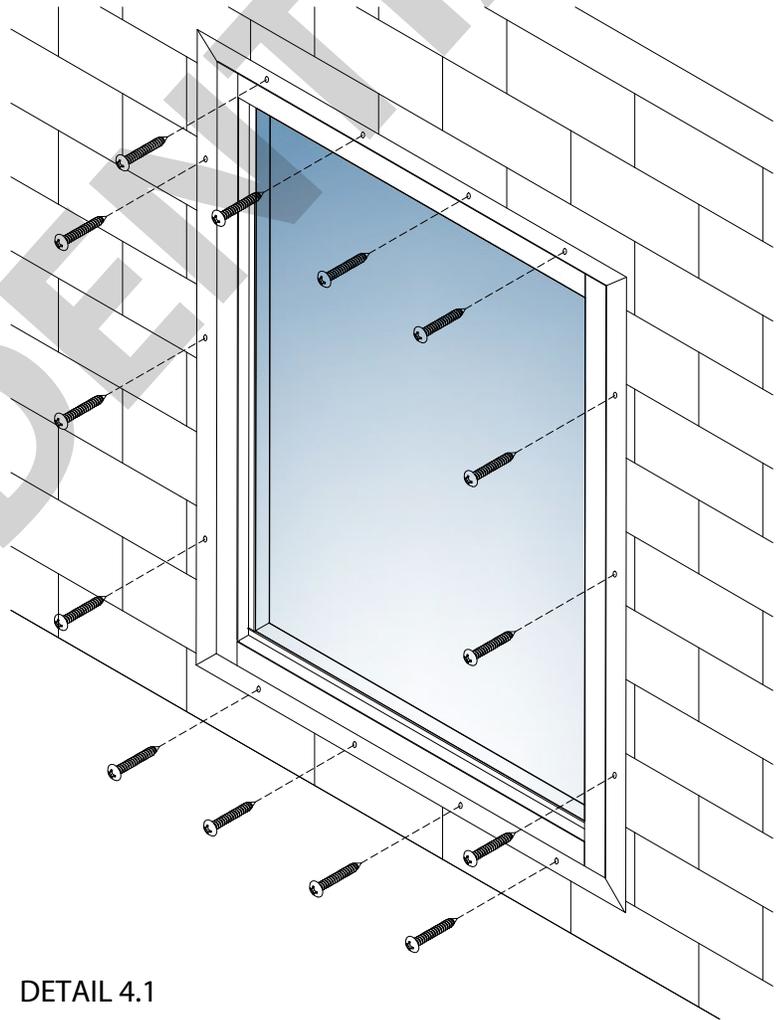


DETAIL 4.2

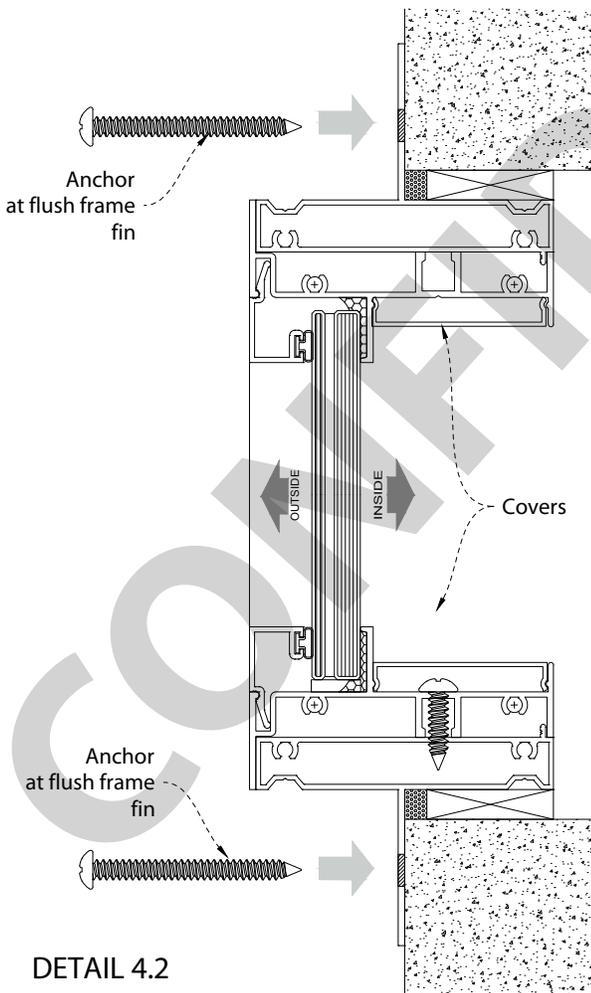
STEP 4A

FIXING THE WINDOW WITH FLUSH FRAME WITH FIN:

- 4.1. From the outside of the building, fix the window with the required anchors as shown in detail 4.1.
- 4.2. From the inside of the building, place the cover as shown in detail; horizontals first.

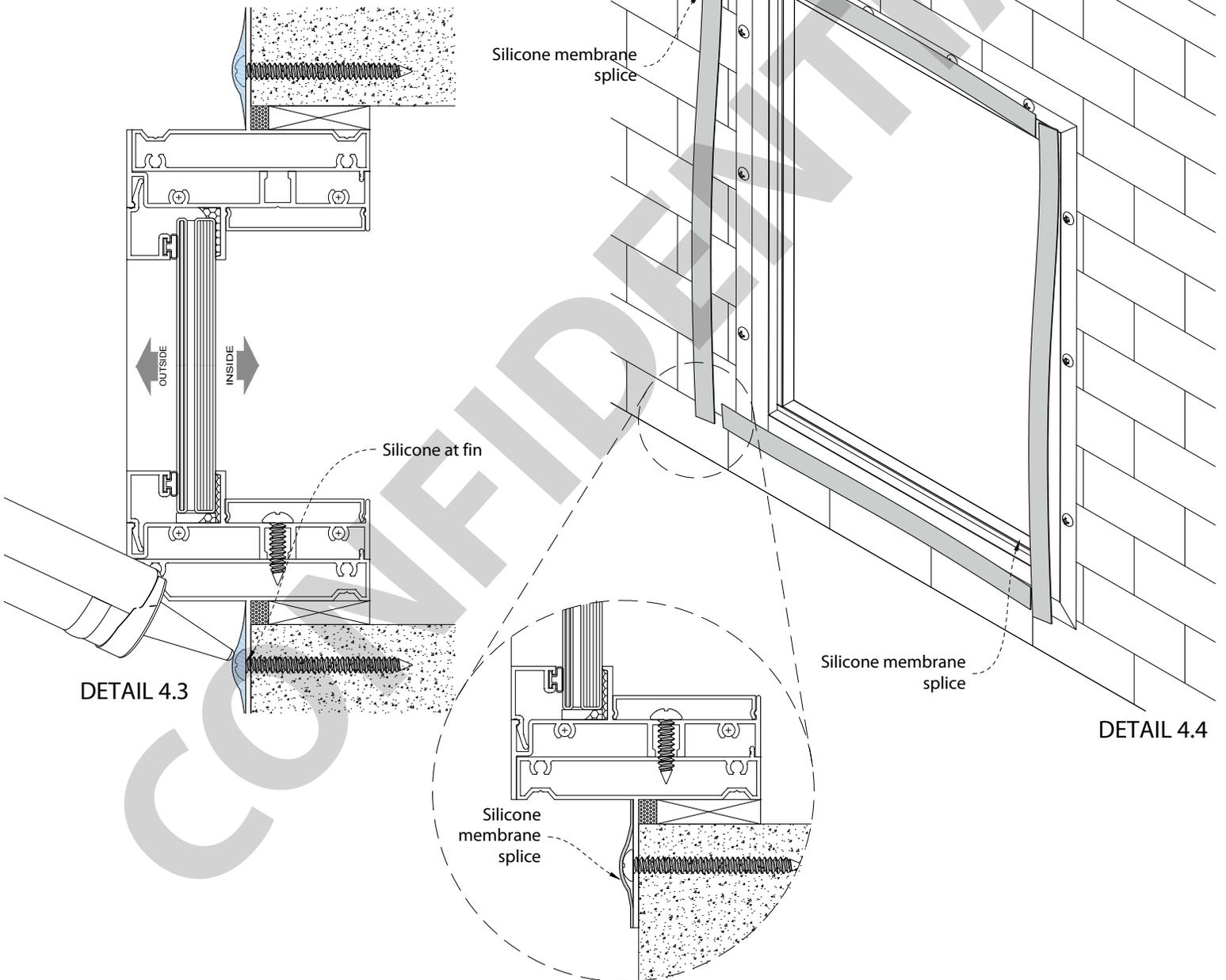


DETAIL 4.1



DETAIL 4.2

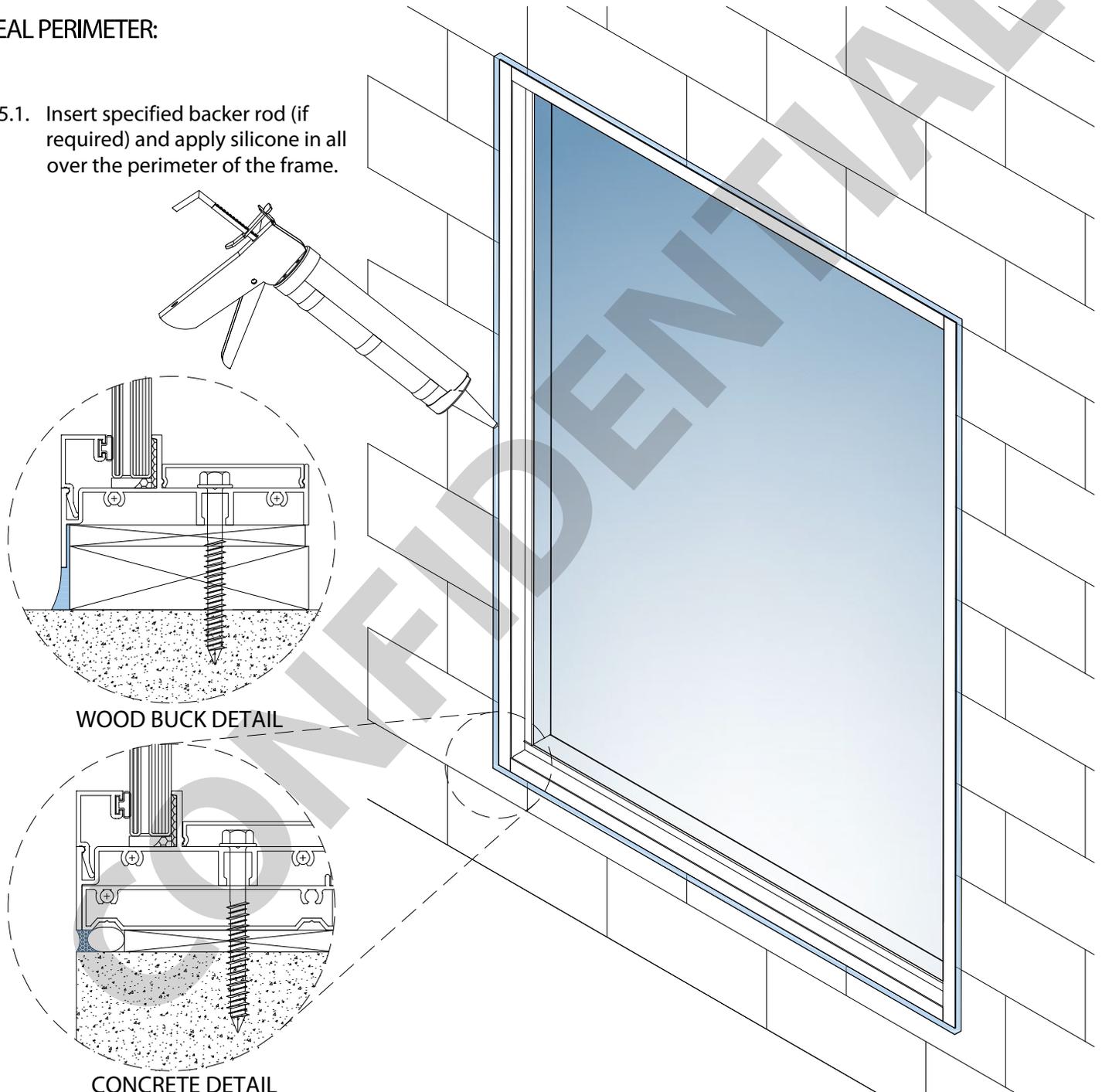
- 4.3. Apply weatherproofing sealant all around the unit fin surface as shown in detail.
- 4.4. Apply the silicone membrane all around the perimeter as shown in detail.



STEP 5

SEAL PERIMETER:

- 5.1. Insert specified backer rod (if required) and apply silicone in all over the perimeter of the frame.



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