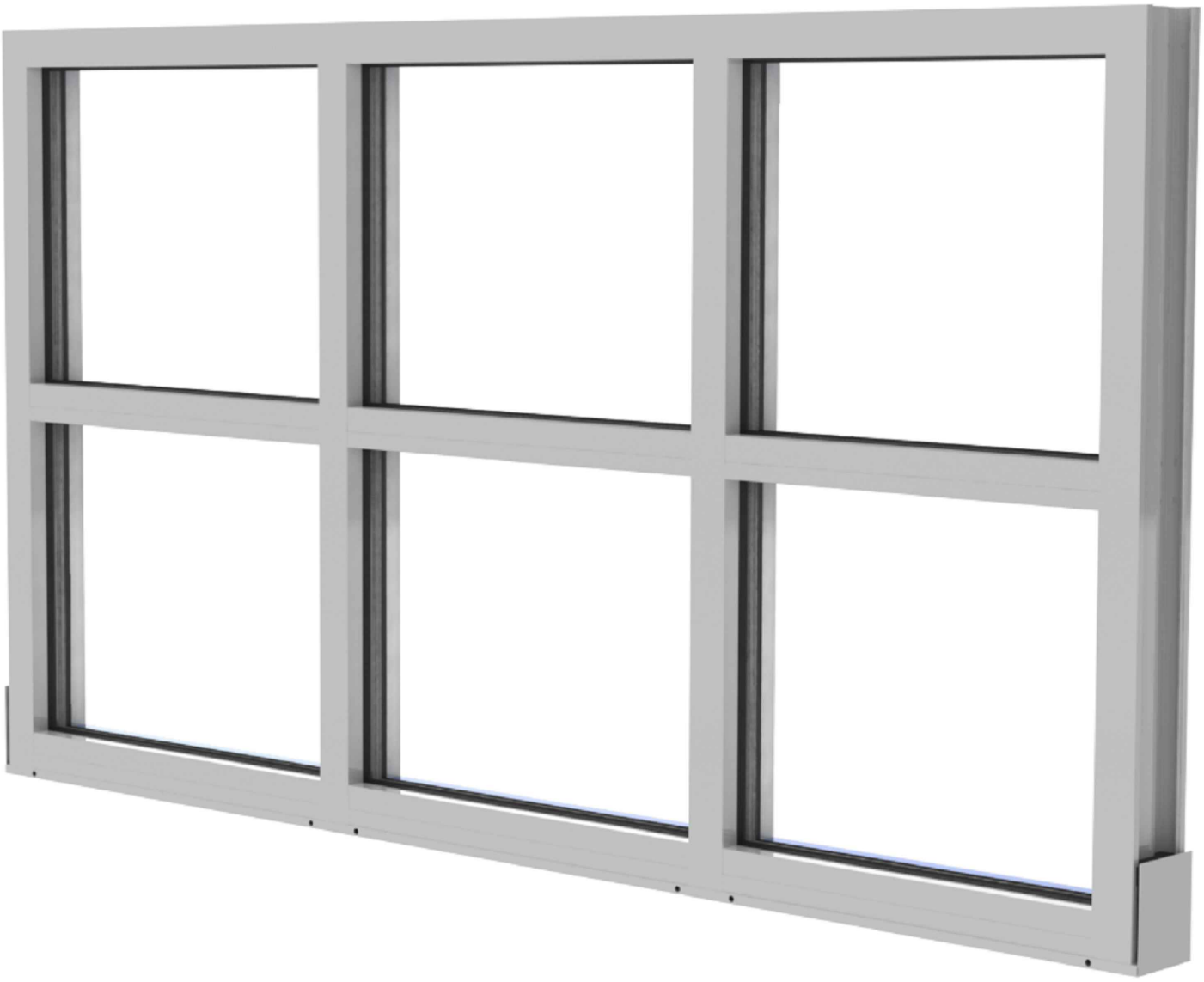
INSTALLATION INSTRUCTIONS

ES-9500



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FEBRUARY 04-2026
www.eswindows.com

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:

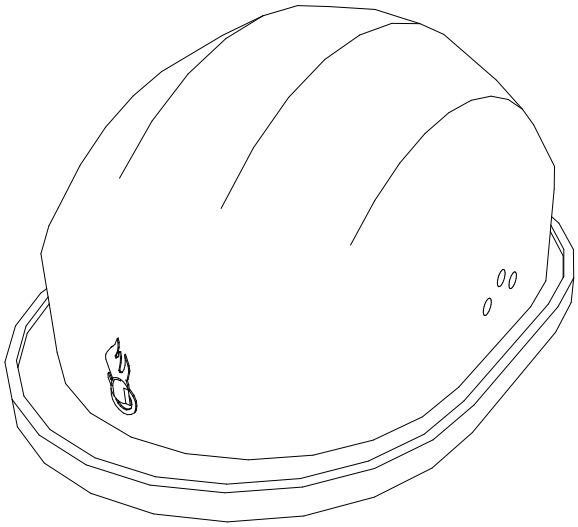
Contractors must have and execute an adequate QA/QC policy to guarantee the product installation is within industry standards and ESW guidelines. Once the product is received in acceptance by the contractor, any damage or installation problems are no longer responsibility of ESWINDOWS.

INTRODUCTION

ES-9500, 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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INSTALLATION INSTRUCTIONS

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INSTALLATION

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REVIEW

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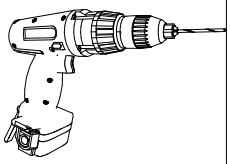
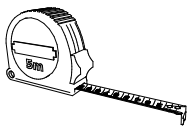
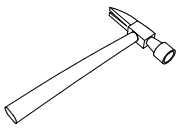
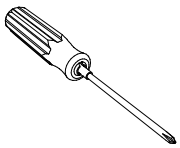
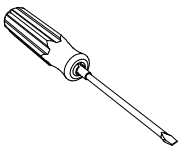
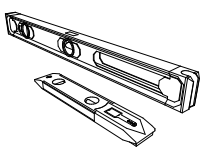
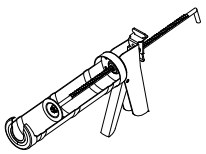
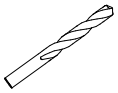
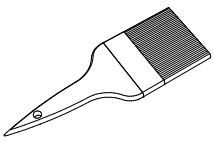
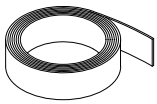
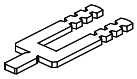
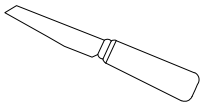
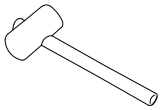
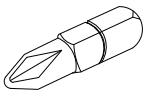
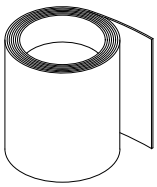
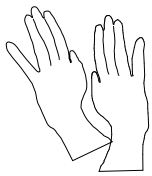
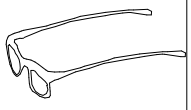
TOOLS AND SUPPLIES FOR INSTALLATION

Detail	Description
	Drill
	Meassure tape
	Hammer
	Phillips screwdriver
	Slot screwdriver
	Level

Detail	Description
	Plumb
	Thread
	Industrial Silicone gun
	Bits for concrete
	Brush
	Masking tape
	Plastic shims

Detail	Description
	Knife
	Mallet
	Point
	Clean rag
	Safety gloves
	Safety glasses

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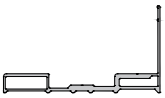
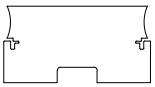
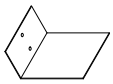
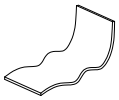
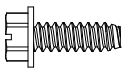
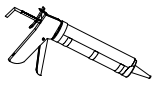
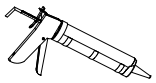
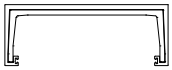
PARTES REQUERIDAS PARA LA ISNTALACIÓN		
PART	DETAIL	DESCRIPTION
ES-9501		SILL FLASHING
ES-9502		COVER
#12X1/2" F.H. S.M.S		END DAM SCREW
---------		END DAM FOAM
---------		END DAM
---------		SPLICE SLEEVE
#1/4"*3/4" HWH TYPE-B		SCREW
-		WEATHERPROOFING SEALANT
-		STRUCTURAL SEALANT
ES-9562		HEAD RECEPTOR
---------		END DAM
---------		END DAM

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

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STEP 1

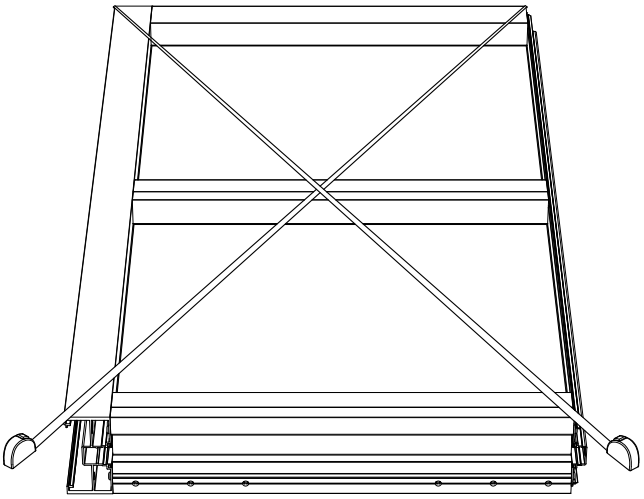
INSPECTION AND VERIFICATION:

1.1. The opening should be checked for the correct size as determined by dimensions listed in the architectural specifications and the shop drawings.

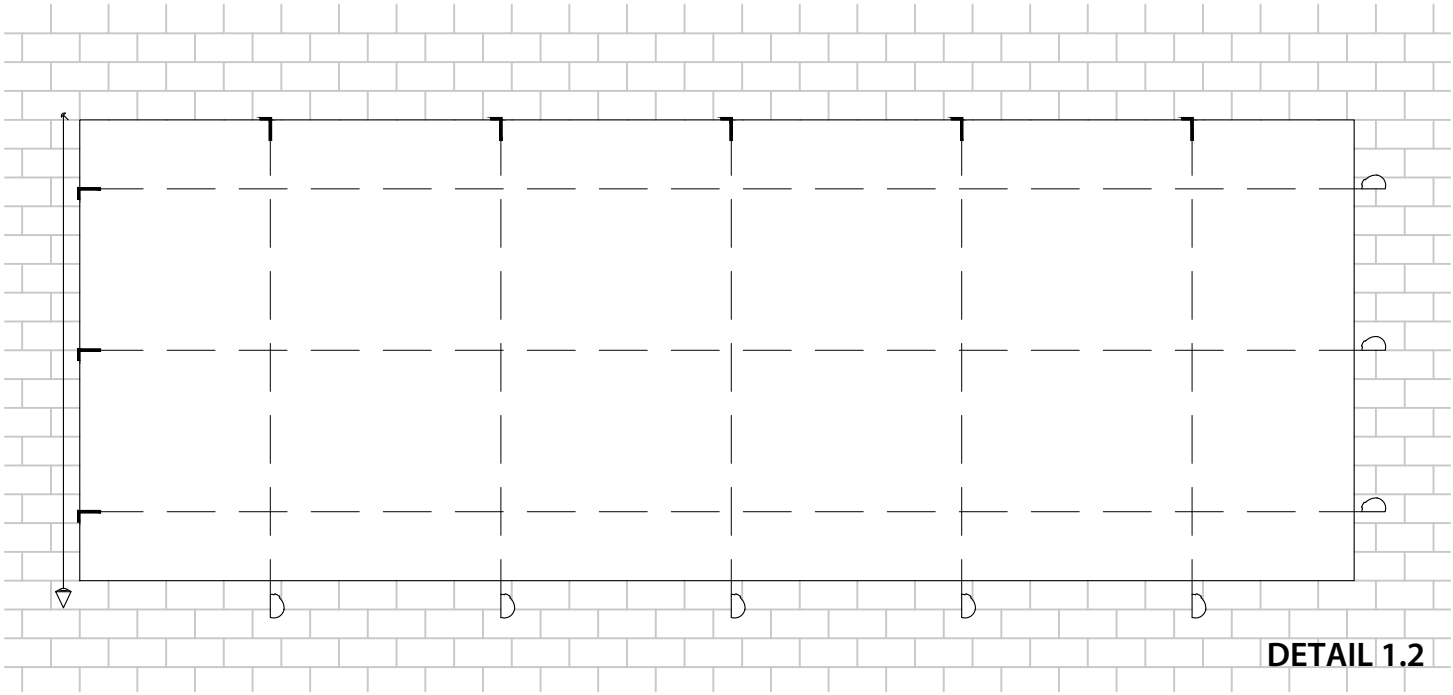
1.2. Check all the material upon arrival for quantity and damage.

1.3. Remove all materials that could interfere with the proper installation of the window.

1.4. If you have any irregularities notify the general contractor.



! ES-9500 Storefront must be installed on a perfect rectangle, check opening for squareness.



DETAIL 1.2

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STEP 2

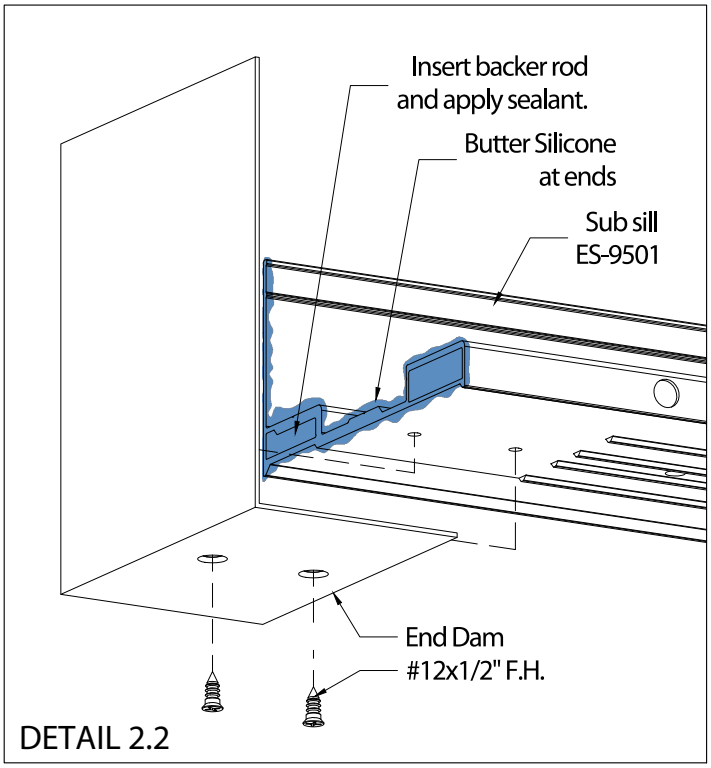
RECEPTOR INSTALLATION :

INSTALL SUBSILL:

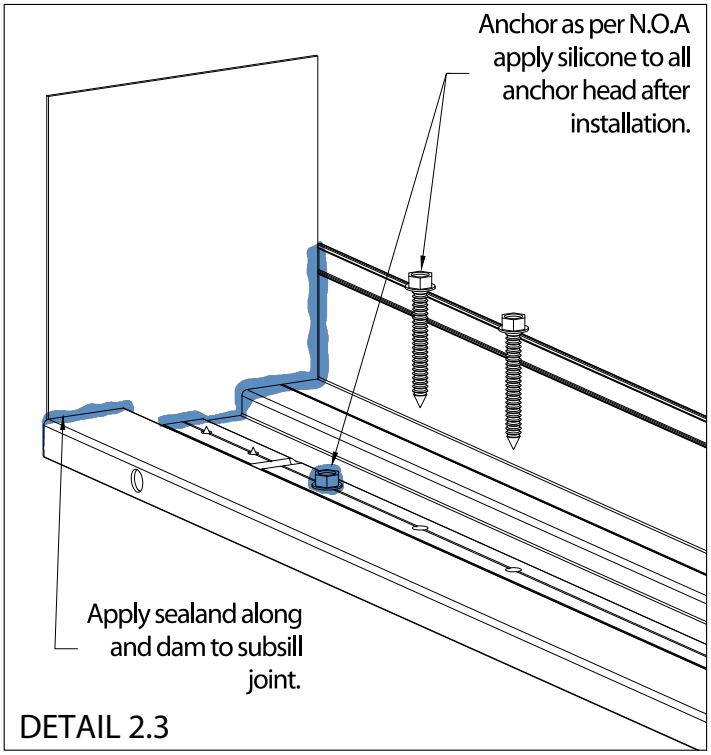
2.1. End dams are usually factory assembled, in case they are not, proceed as follows: clean joint surfaces between sub-sill and end dam using isopropyl alcohol.

2.2. Install end dam at sub-sill ends using #12X1/2" screws as shown in detail 2.2.

2.3. Apply and tool sealant along the joint and seal anchor heads as shown in detail 2.3.



DETAIL 2.2



DETAIL 2.3

End dams are usually factory assembled, damage due to transportation could required installation of end dams on site.

End dam is flexible and inadequate manipulation due to shipping, handling or installation can break the silicone seal. For this reason, panel sealants must be checked before installation.

If end dam seal is affected, reinforce the seal by applying weatherproofing sealant.

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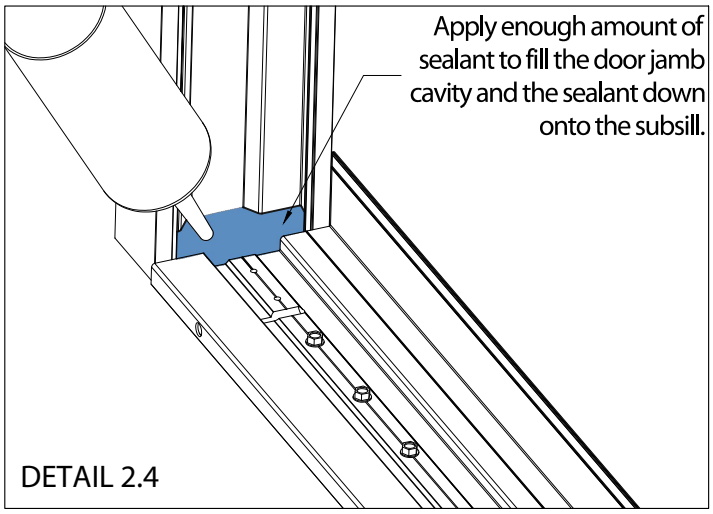
2.4. If a door is being installed, the subsill needs to be sealed to the door jamb before snapping the assembled modules by applying sealant at subsill and door jamb joints. Apply enough amount of sealant to fill the door jamb cavity as shown in detail 2.4.

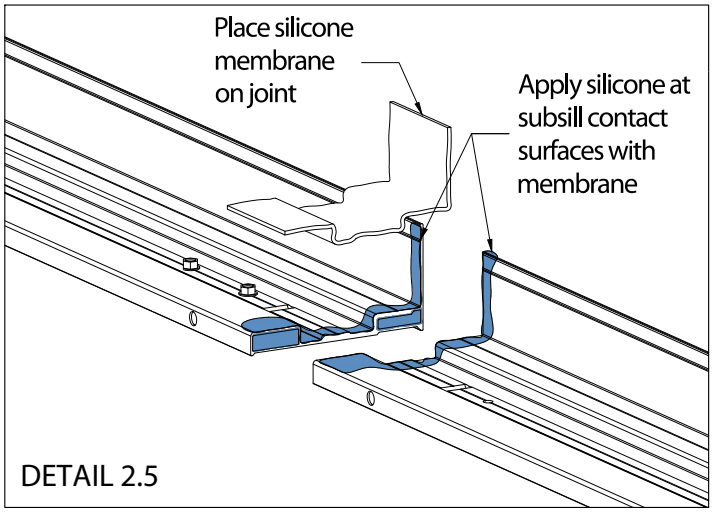
2.5. Center the silicone membrane over the 1/4" splice joint.

2.6. Apply & tool the weatherproofing sealant over silicone membrane edges perimeter.

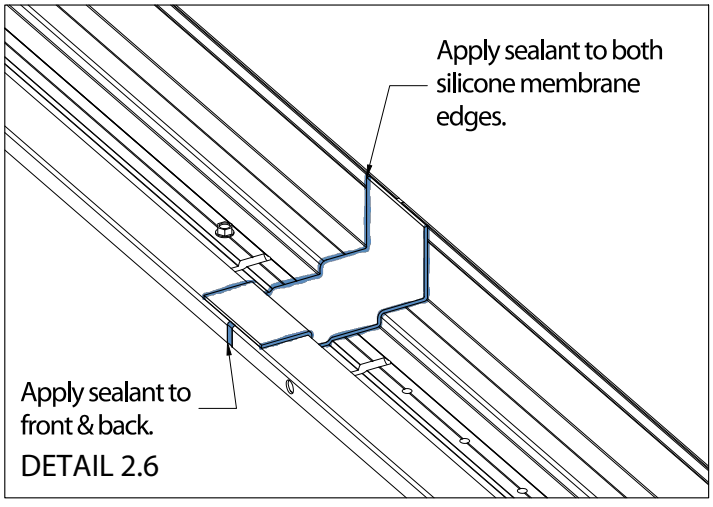
Use silicone membrane to create a seal at every joint of the subsill.



DETAIL 2.4



DETAIL 2.5



DETAIL 2.6

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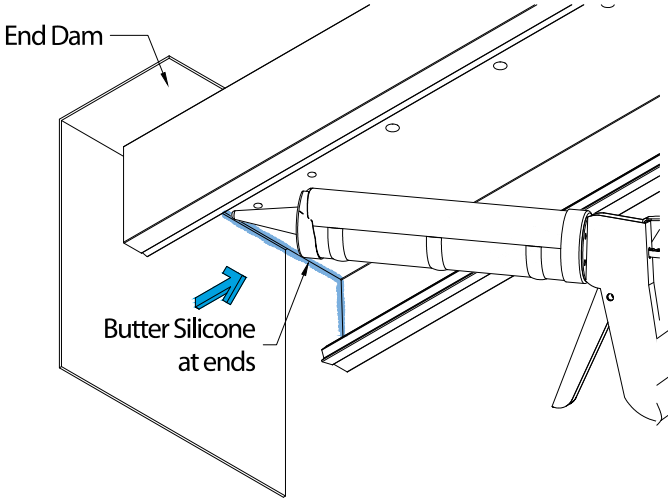
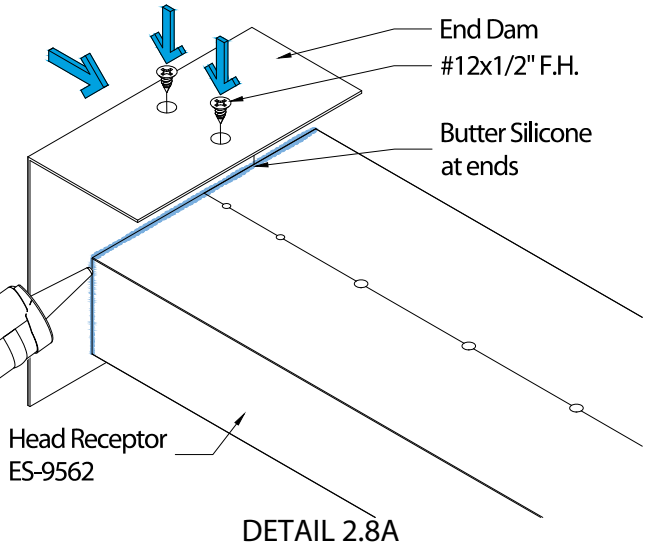
INSTALL HEAD RECEPTOR:

2.7. End dams are usually factory assembled, in case they are not, proceed as follows: clean joint surfaces between sub-sill and end dam using isopropyl alcohol.

2.8. Install end dam at sub-sill ends using #12X1/2" screws as shown in details 2.8 and 2.8A.

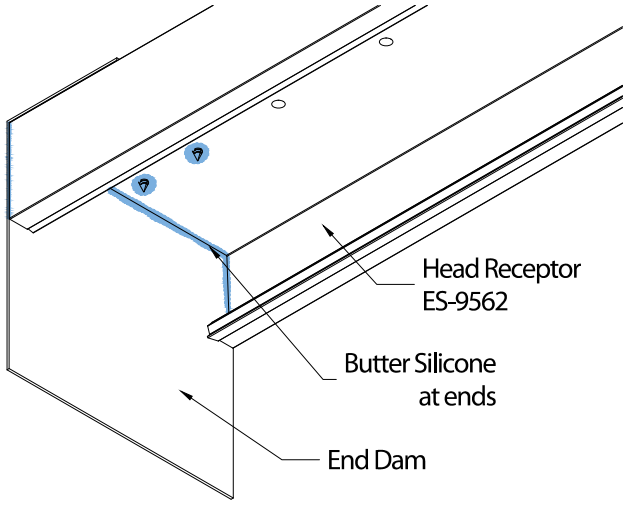


DETAIL 2.8

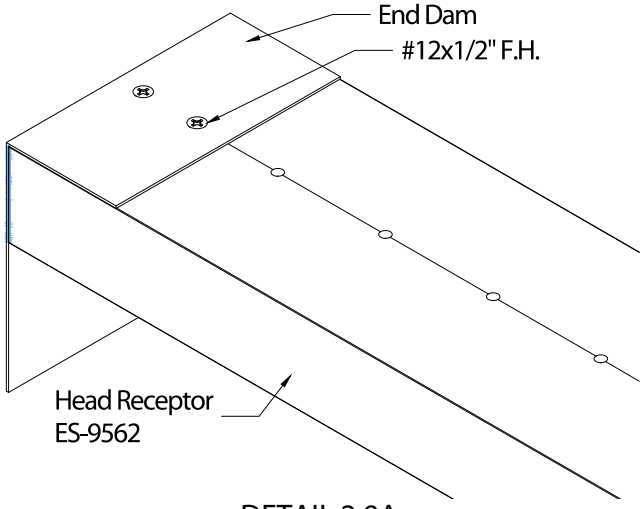


DETAIL 2.8A

2.9. Apply and tool sealant along the joint as shown in details 2.9 and 2.9A



DETAIL 2.9



DETAIL 2.9A

End dams are usually factory assembled, damage due to transportation could required installation of end dams on site.
End dam is flexible and inadequate manipulation due to shipping, handling or installation can break the silicone seal. For this reason, panel sealants must be checked before installation.
If end dam seal is affected, reinforce the seal by applying weatherproofing sealant.

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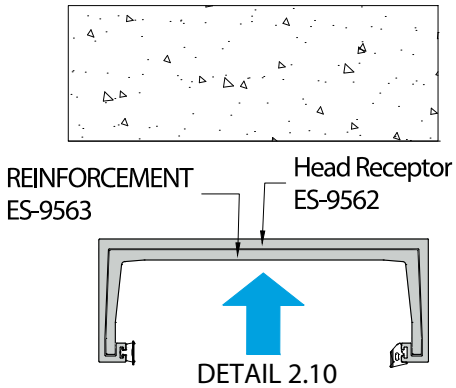
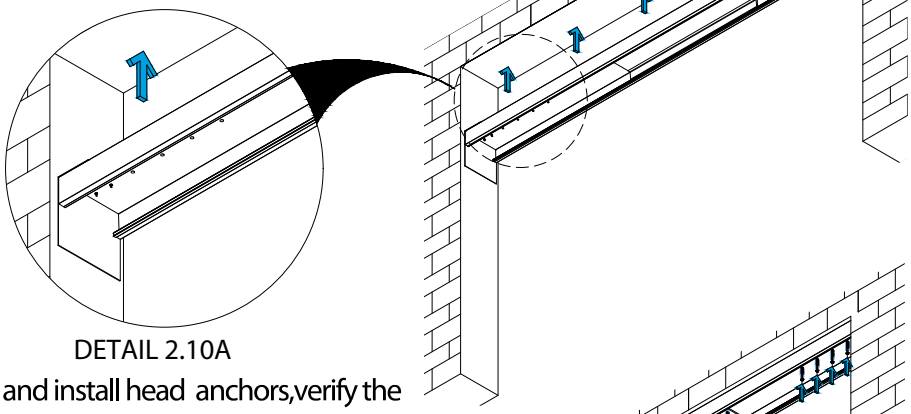
INSTALL HEAD RECEPTOR:

2.10. Place head receptor and level with shims, verify the correct leveling of the head receptor,place on the head as shown in details 2.10 and 2.10A.

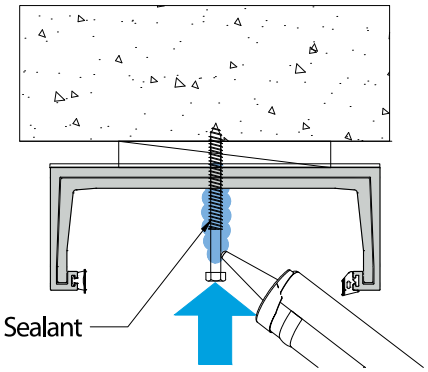


DETAIL 2.10

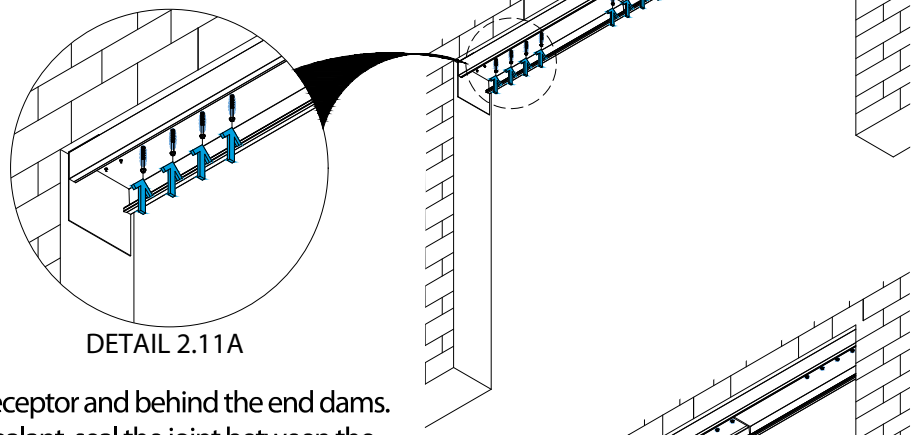


DETAIL 2.10A

2.11. Apply sealant in the body af the screw and install head anchors,verify the correct leveling of the head receptor as shown in details 2.11 and 2.11A.

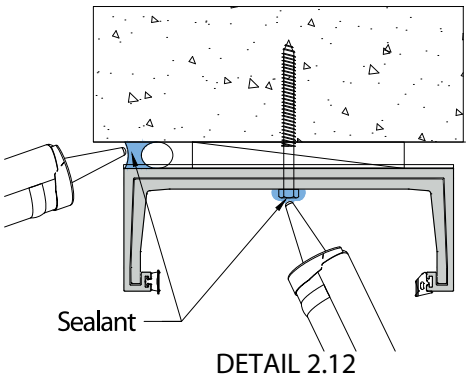


DETAIL 2.11

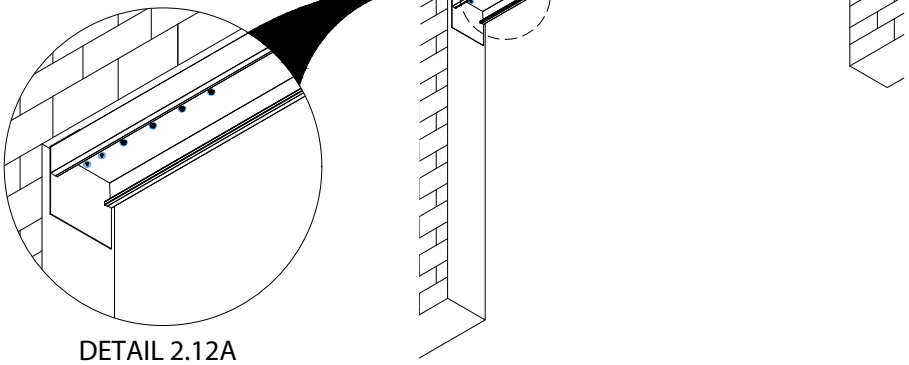


DETAIL 2.11A

2.12. Insert a backer rod above the head receptor and behind the end dams. Clean surfaces to be in contact with sealant. seal the joint between the head receptor and end dam perimeter with sealant as shown in details 2.12 and 2.12A.



DETAIL 2.12



DETAIL 2.12A

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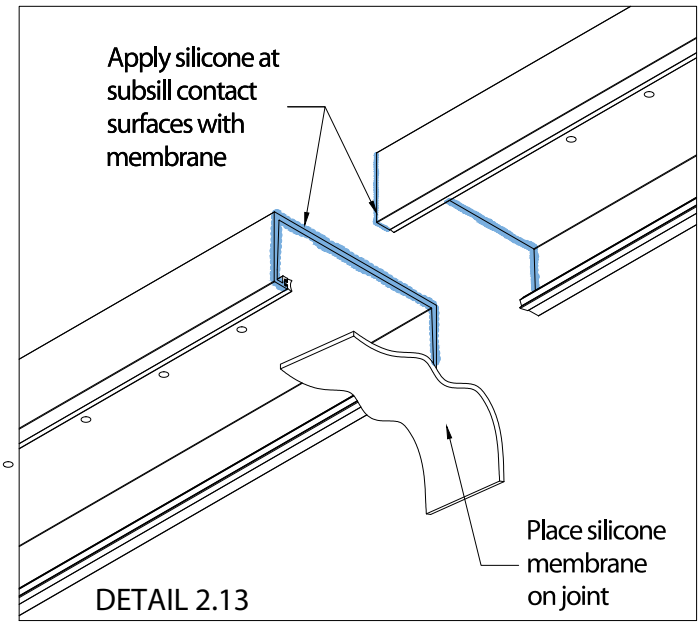
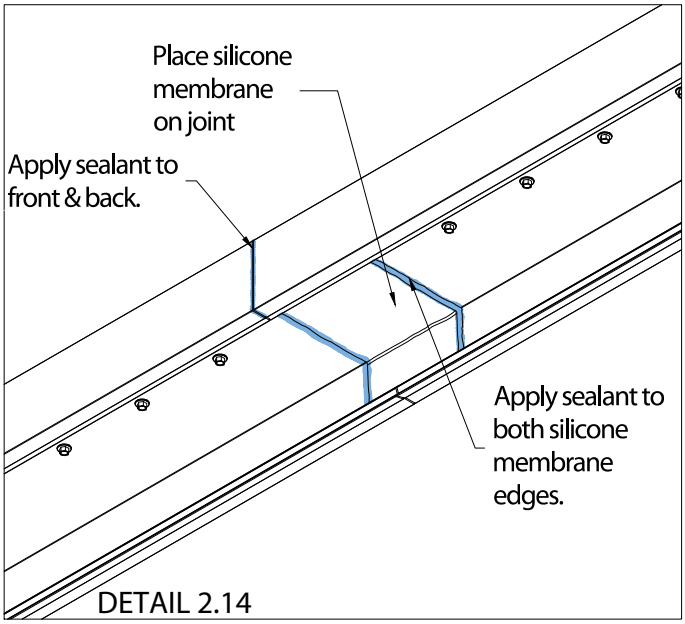
2.13. Center the silicone membrane over the 1/4" splice joint as shown in details 2.13.

2.14. Apply & tool the weatherproofing sealant over silicone membrane edges perimeter as shown in details 2.14.



DETAIL 2.13



DETAIL 2.14

Use silicone membrane to create a seal at every joint of the head receptor.

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STEP 3

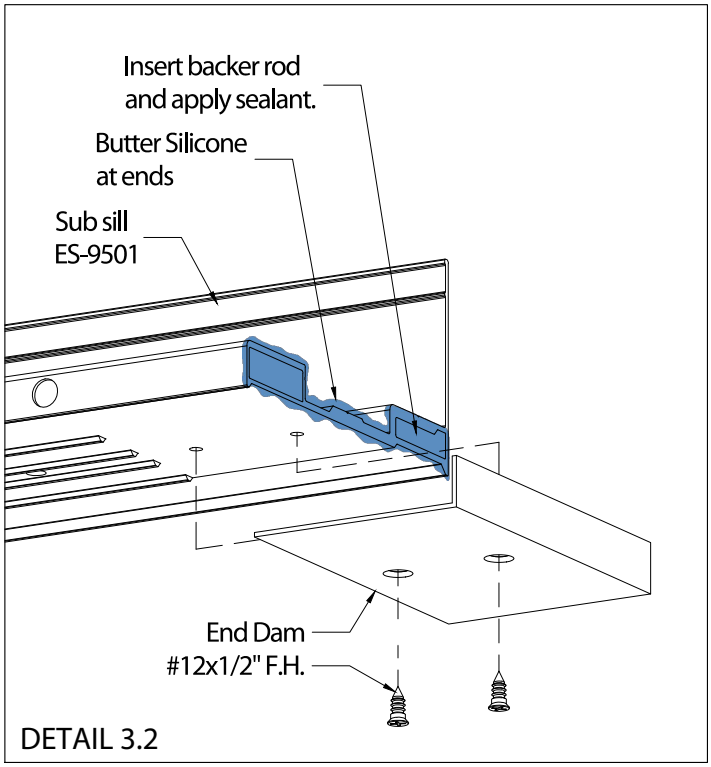
BALCONY DIVIDER :

INSTALL END DAMS SUBSILL :

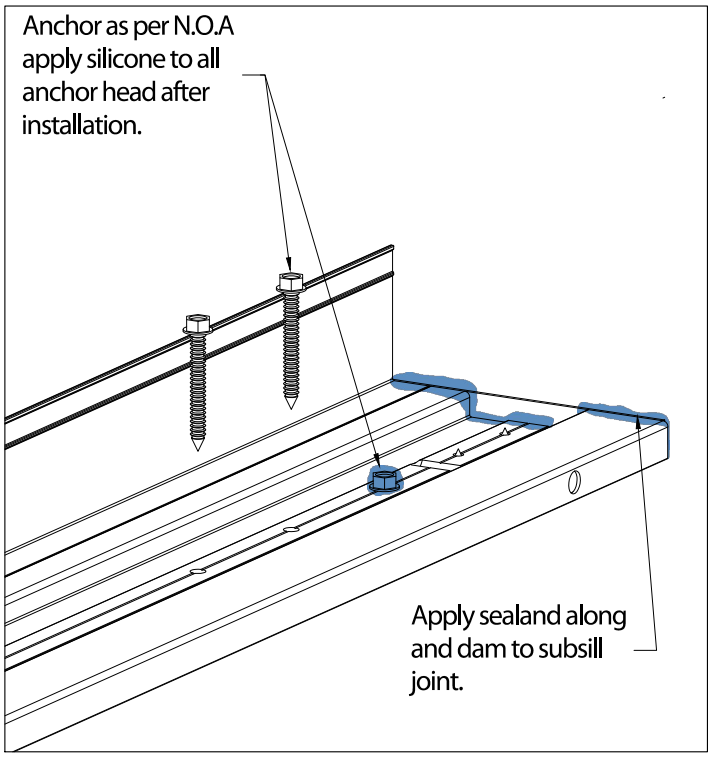
3.1. End dams are usually factory assembled, in case they are not, proceed as follows: clean joint surfaces between sub-sill and end dam using isopropyl alcohol.

3.2. Install end dam at sub-sill ends using #12X1/2" screws as shown in detail 3.2.

3.3. Apply and tool sealant along the joint and seal anchor heads as shown in detail 3.3.



DETAIL 3.2



DETAIL 3.3

End dams are usually factory assembled, damage due to transportation could required installation of end dams on site.

End dam is flexible and inadequate manipulation due to shipping, handling or installation can break the silicone seal. For this reason, panel sealants must be checked before installation.

If end dam seal is affected, reinforce the seal by applying weatherproofing sealant.

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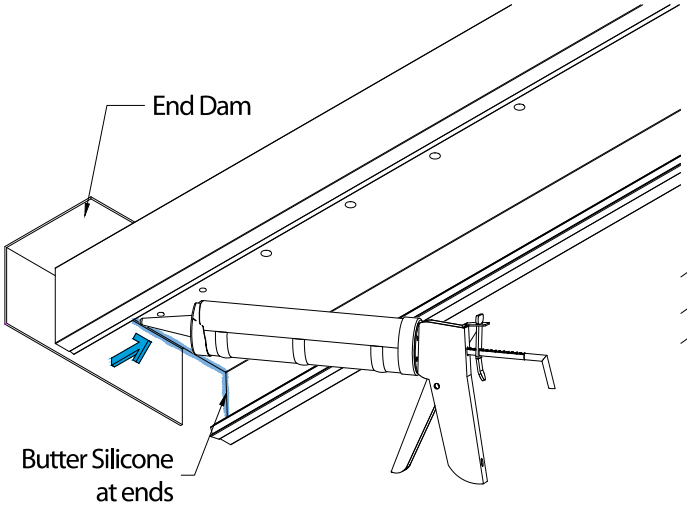
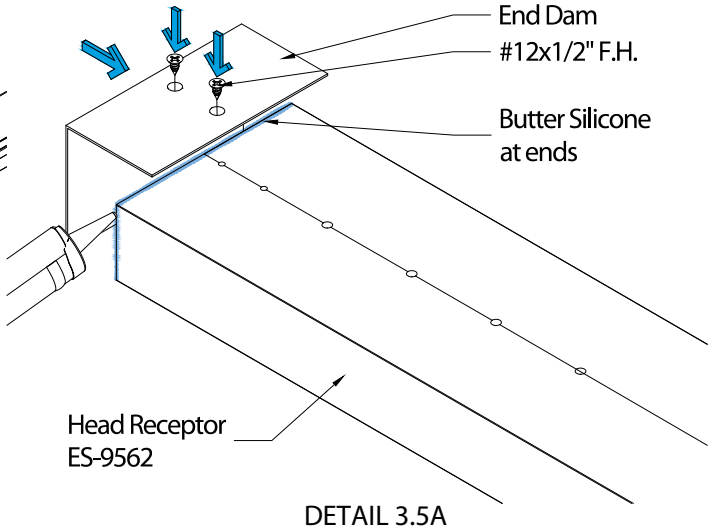
INSTALL END DAMS HEAD RECEPTOR:

3.4. End dams are usually factory assembled, in case they are not, proceed as follows: clean joint surfaces between sub-sill and end dam using isopropyl alcohol.

3.5. Install end dam at sub-sill ends using #12X1/2" screws as shown in details 3.5 and 3.5A.

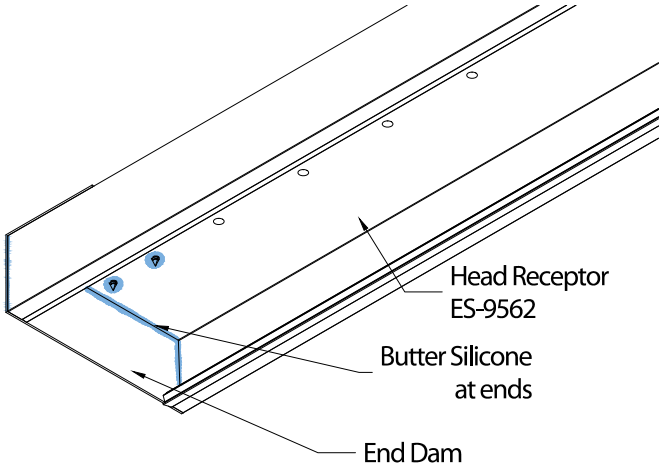


DETAIL 3.5

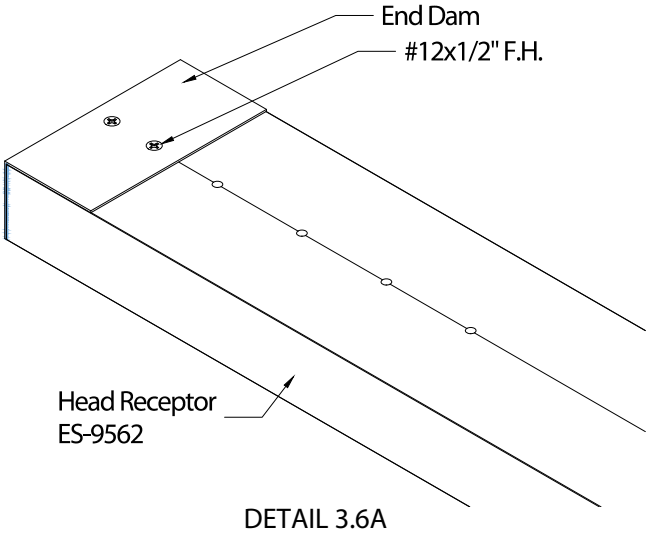


DETAIL 3.5A

3.6. Apply and tool sealant along the joint as shown in details 3.6 and 3.6A



DETAIL 3.6



DETAIL 3.6A

End dams are usually factory assembled, damage due to transportation could required installation of end dams on site.
End dam is flexible and inadequate manipulation due to shipping, handling or installation can break the silicone seal. For this reason, panel sealants must be checked before installation.
If end dam seal is affected, reinforce the seal by applying weatherproofing sealant.

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STEP 4

INSTALL FIRST AND LAST MODULE:

4.1. Apply sealant along the subsill as shown in detail 4.1.

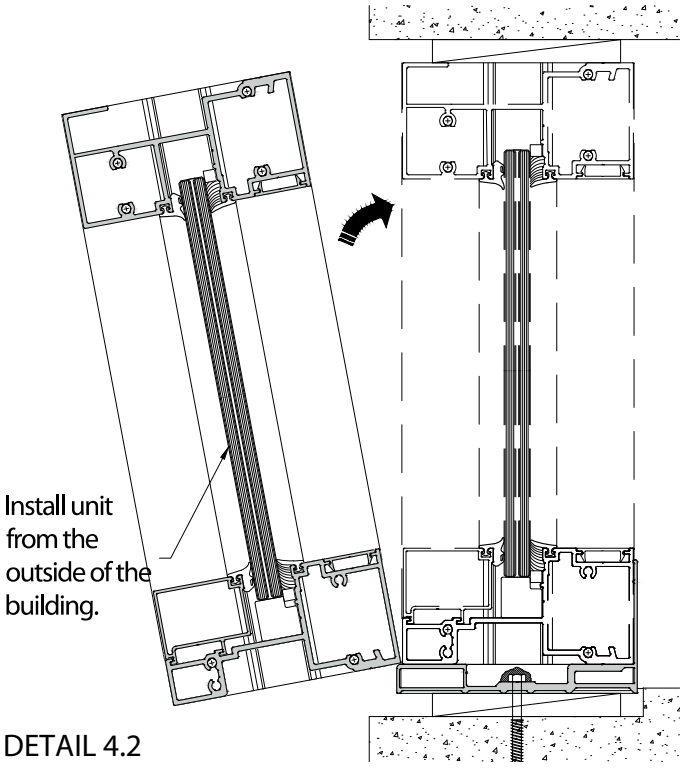
4.2. Install first unit as shown in detail 4.2.

4.3. Insert end dam foam at jambs leaving a 2½" distance from subsill.

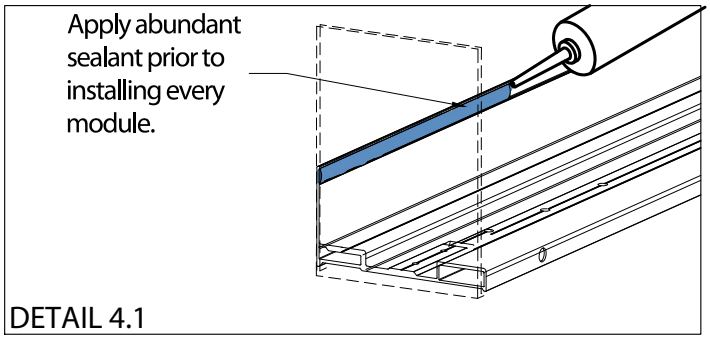
4.4. Apply sealant to the top of the foam to cover completely the upper face.

4.5. Compress foam against end dam.

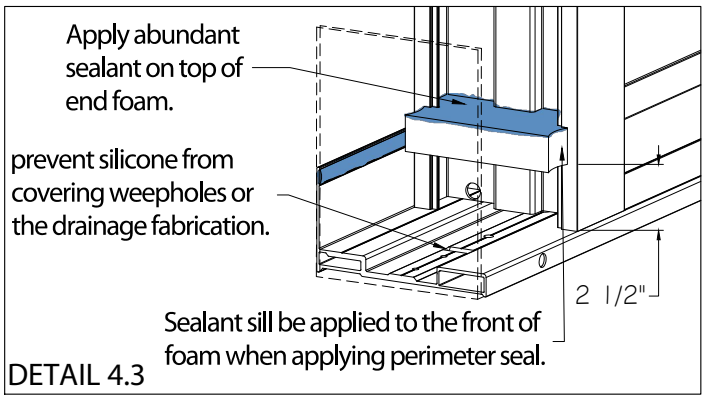
4.6. Apply sealant to the inner side of the foam to connect foam's previously applied sealant bead to subsill's silicone seal.



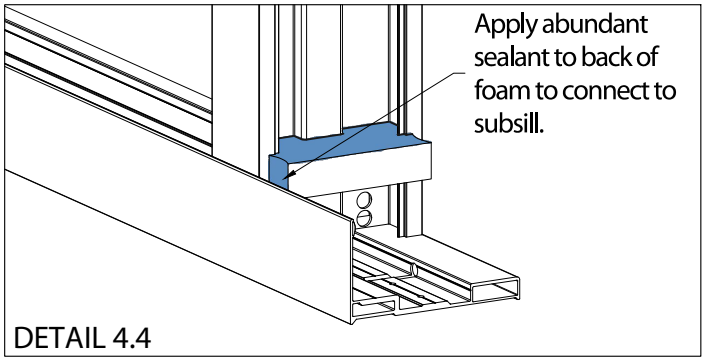
DETAIL 4.2



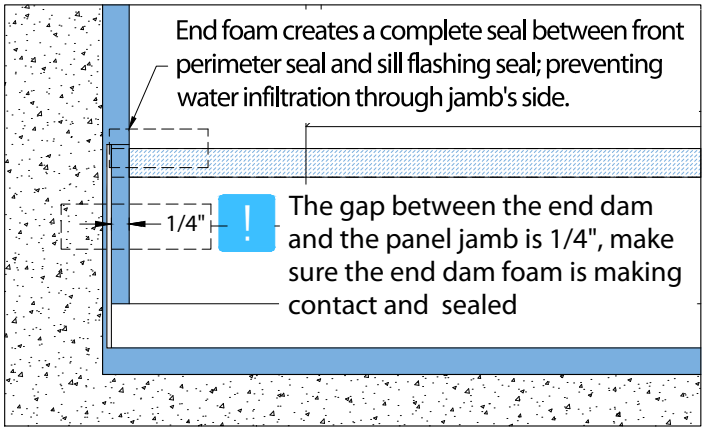
DETAIL 4.1



DETAIL 4.3



DETAIL 4.4



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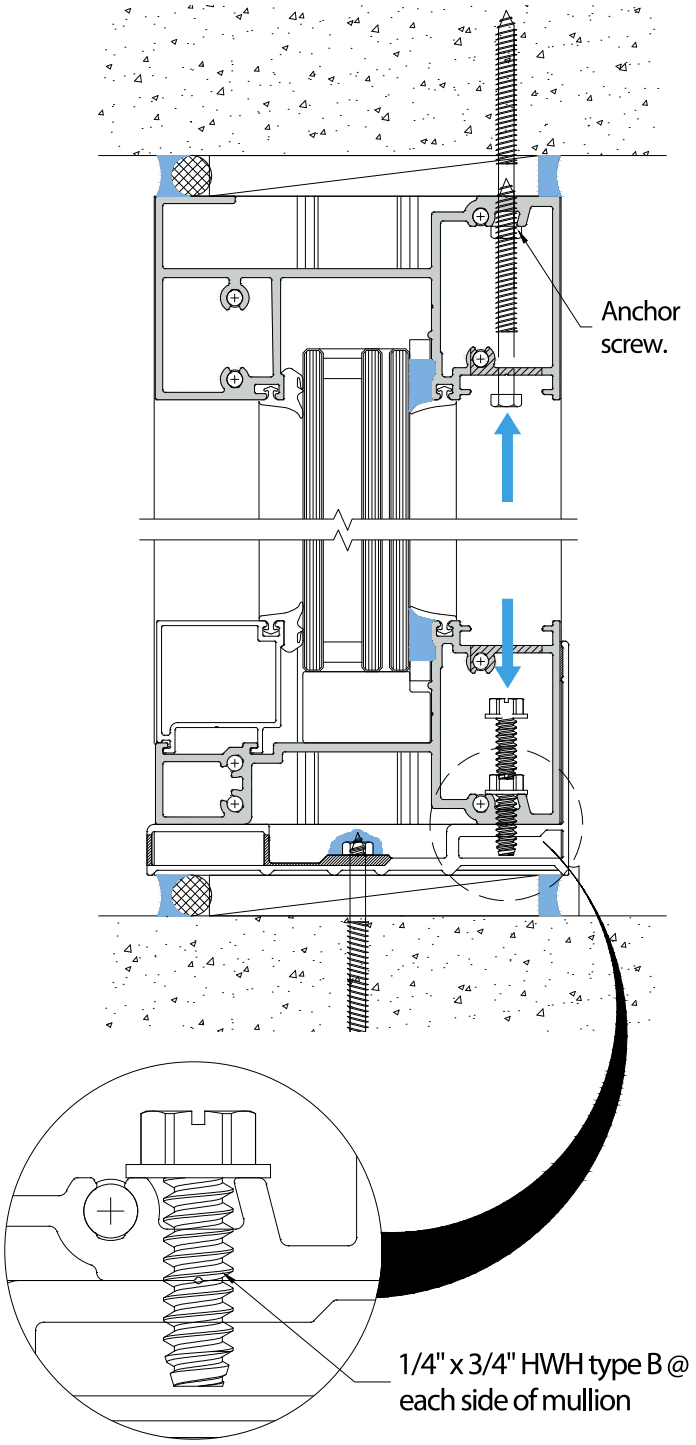
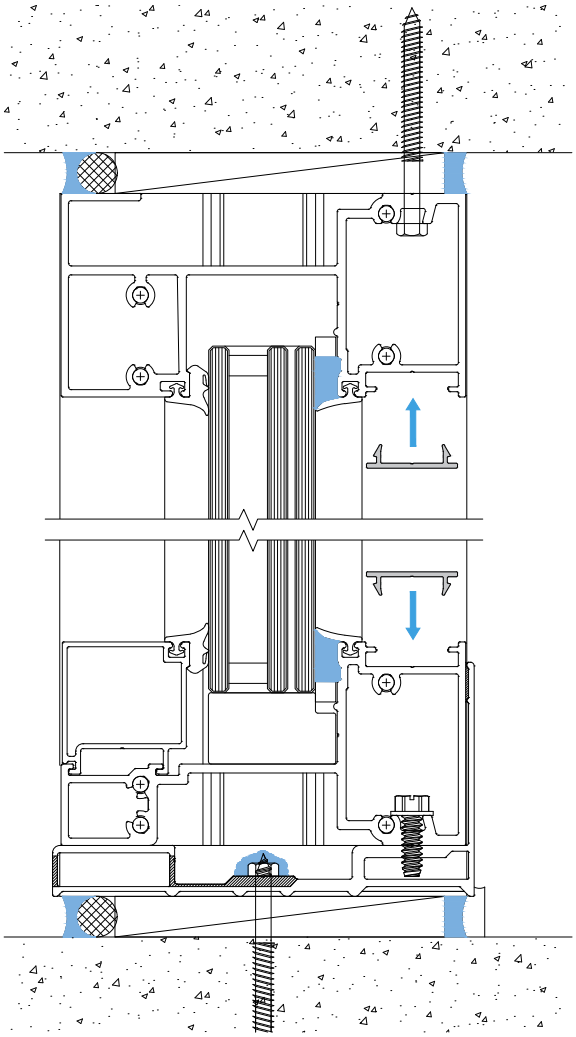
4.7. Anchor module to frame at sill using a 1/4" x3/4" HWH type B screws.



4.8. Once module is anchored, install cover at head and sill a shown in detail 4.8.



Step 4.8 must be done once all the units are placed, level and adjusted.

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STEP 5

SNAP MODULES:

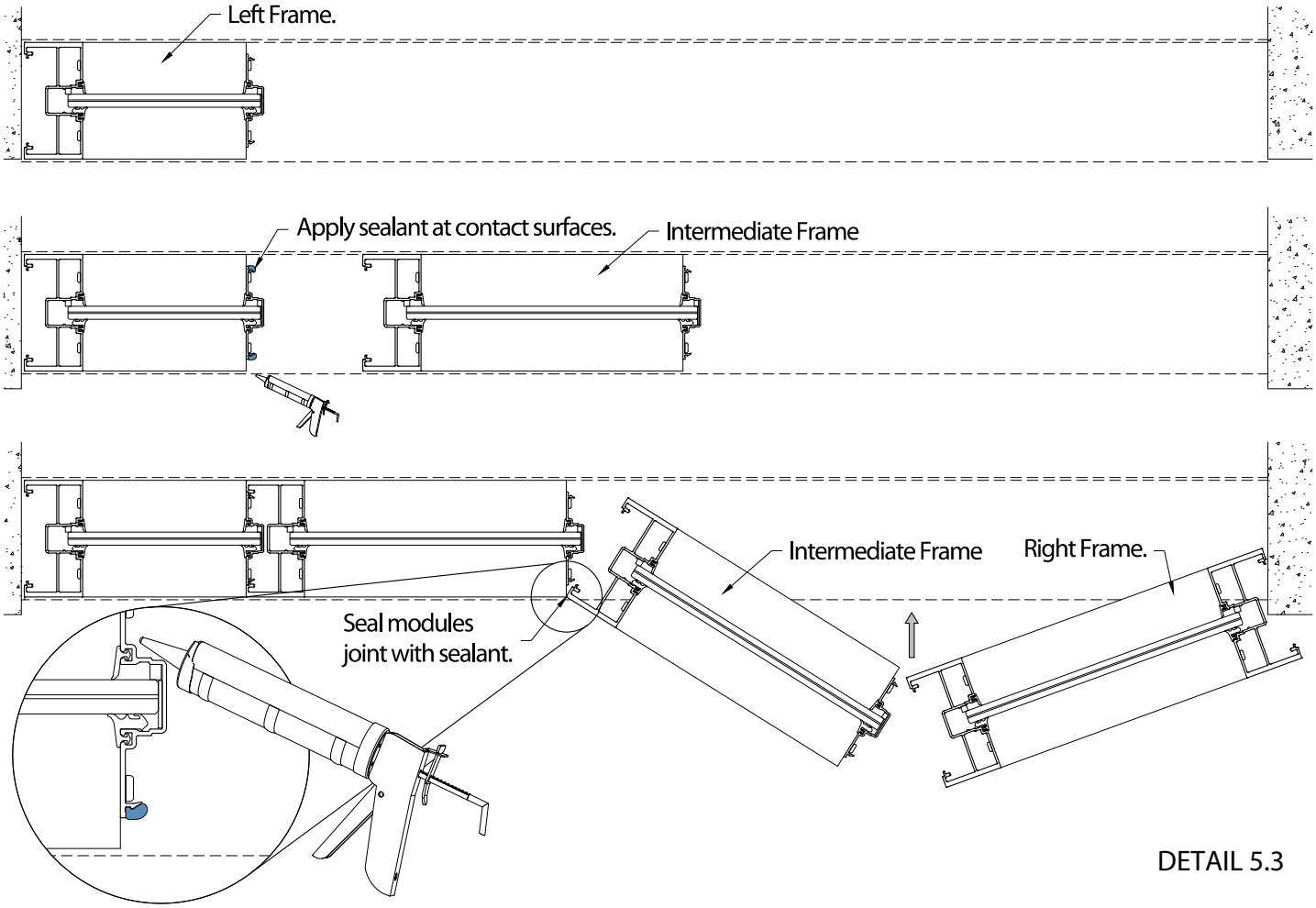
5.1. Install first module starting from opening ends.

5.2. Apply silicone to the subsill section that will be in contact with the next unit.

5.3. Snap next intermediate unit as shown in detail 5.3.

5.4. Anchor modules to frame and install ES-9502 cover.

Last two modules installed next to door or opening, must be placed together partially supported on sill flashing, then snapped together while moving both mullion and fitting into the opening. Verify last module's foam plug is already installed.



DETAIL 5.3

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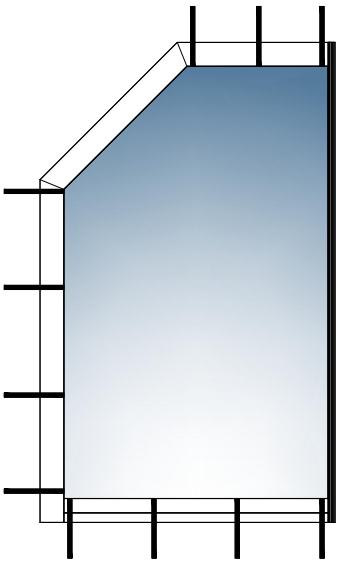
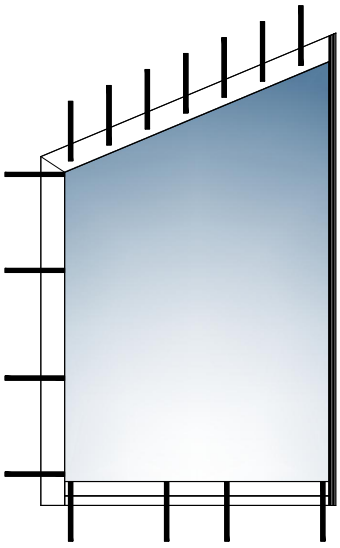
STEP 6

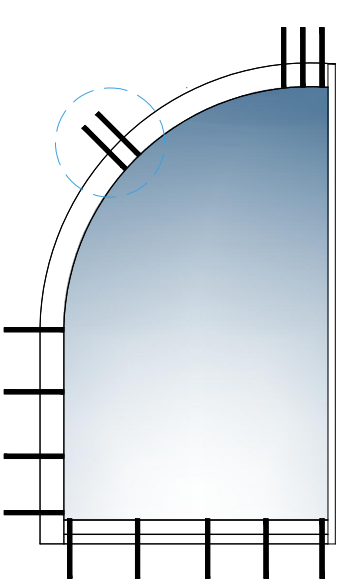
INSTALL ALTERNATIVE SHAPES:

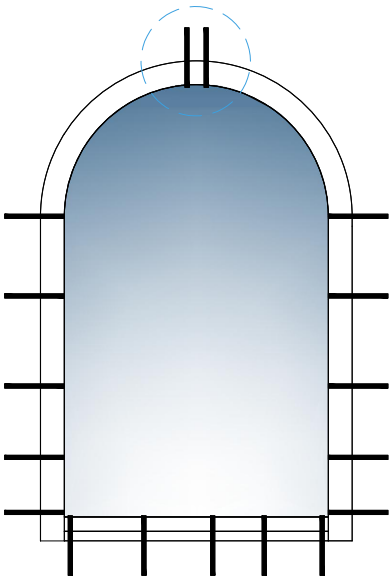
6.1. Verify shop drawings and NOA to determinate anchor distribution.

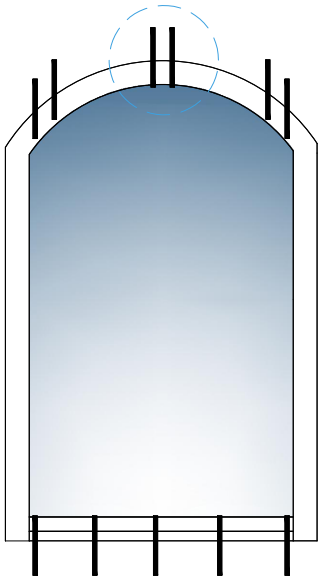




Add two anchors at mid point af all curved frames.







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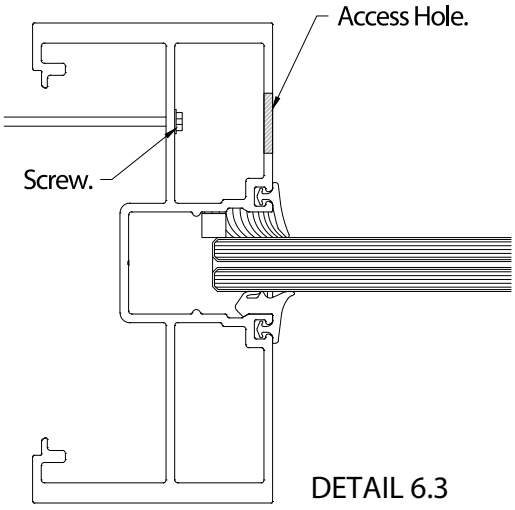
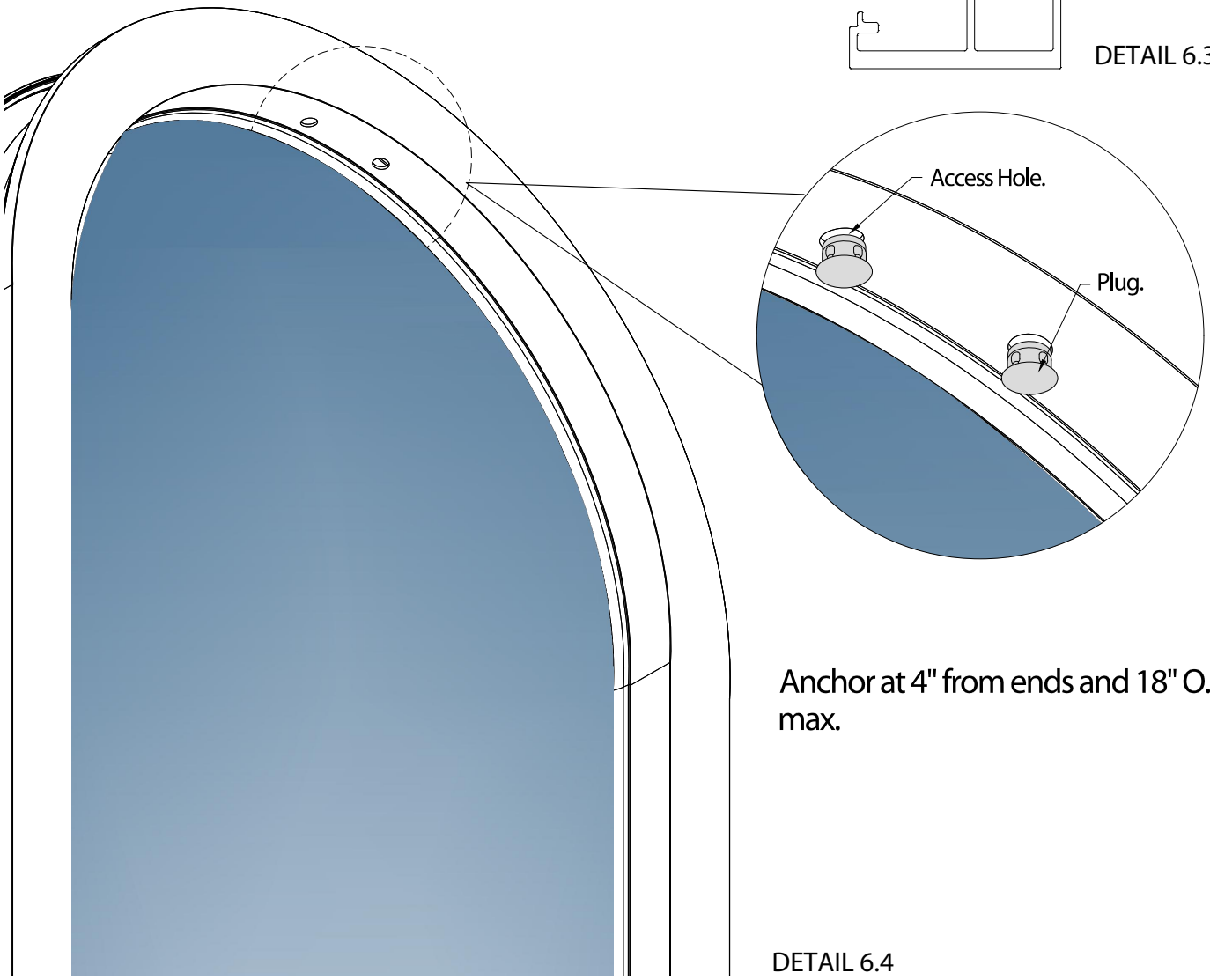
6.2. If necessary drill extrusion for access hole, as shown in detail.

6.3. Attach with screws specified at system details or shop drawings.

6.4. Install plugs at perforations as shown in detail.



DETAIL 6.3



Anchor at 4" from ends and 18" O.C max.

DETAIL 6.4

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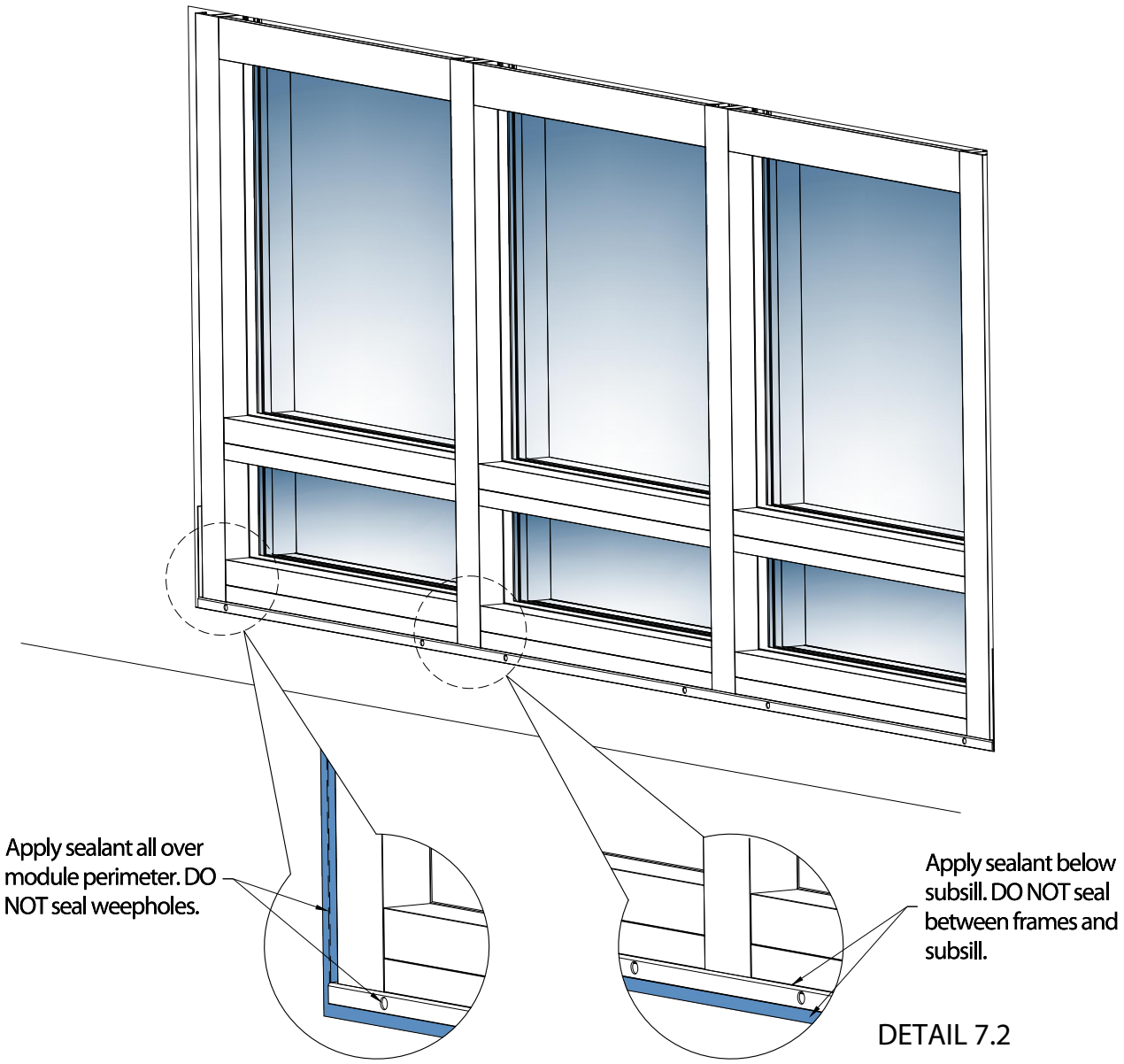
STEP 7

APPLY PERIMETER SEAL:

7.1. Insert required backer rod.

7.2. Apply perimeter seal according to the following detail below.



DETAIL 7.2

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REVIEW No.	DATE	DESCRIPTION	PAG.	BY.
2	January 14 2015	Step 6 added, install alternative shapes	9-10	
3	October 4 2017	Reference of silicone for end dam added.	4	
4	November 17 2017	ES-9506 was replaced by ES-9506M & 1/4" ELCO FLEX-DRIL screw (M14) was included.	1,7	
5	Decemeber 2 2017	Reinforcement of end dam silicone seal note was added.	4	
6	February 3 2019	General update (Silicone seal between modules joint was added).	5-13	MC
7	May 20 2019	General update (#1/4*3/4" self drilling screw was replaced for #1/4*3/4" HWH TYPE B).	8	ES
8	MAR 23 2021	Added note to specify the gap distance between the end dam and the panel jamb to avoid end dam foam over-compression	7	AG
9	SEPT 16 2021	Added note for silicone membrane seals at subsill splices	6	AG
10	OCT 10 2022	Added note for end dams installation	5	ES
11	January 29 2024	Updated document footer formatting	ALL	M.B
12	February 04 2026	Head receiver installation and end dam added, and notes corrected throughout the book.	ALL	A.M

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BY Martha Castilla.

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