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Fabrication

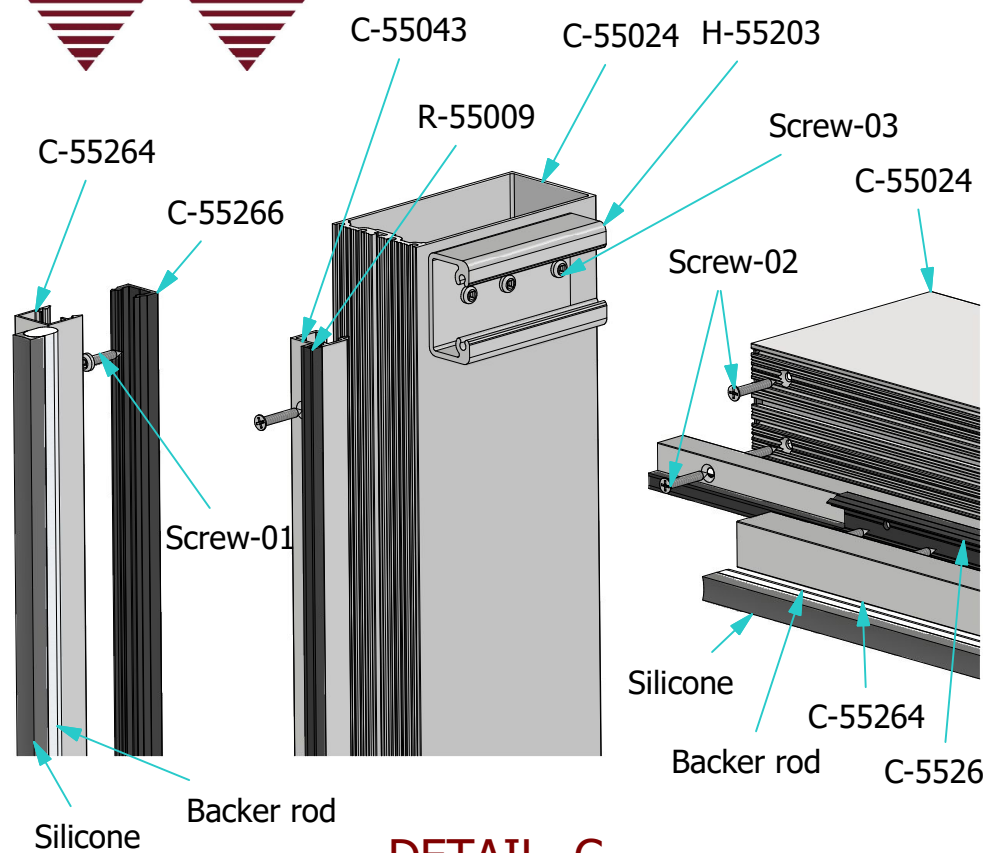
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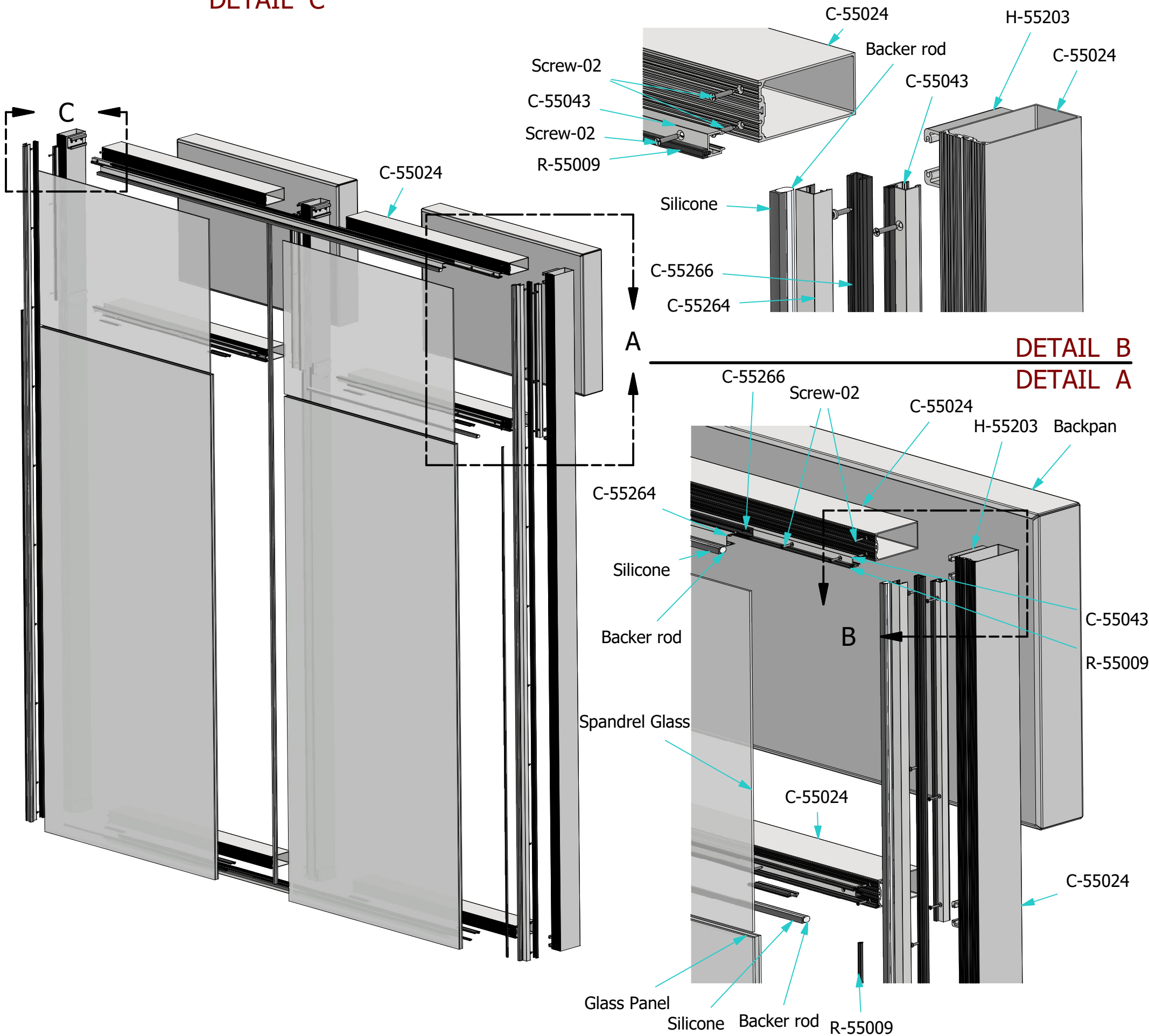
EXPLODED VIEW & PARTS LIST

5500 HTP Series



DETAIL C

PARTS LIST	
PART NUMBER	DESCRIPTION
Backer rod	Backer rod
Backpan	Galvanized Steel Backpan
Butyl-Tape	1/16" thick Butyl Tape
C-55024	2-1/2" x 5-1/4" SSG Mullion or Horizontal
C-55043	Single Glazing Adaptor for Double Glazed SSG
C-55264	SSG Perimeter Trim Cap (DG)
C-55266	SSG Perimeter Trim Base
Glass Panel	Double Glazed Panel
H-00123	(3/16 x 7/8 x 5") E.P.D.M Setting block
H-00125	(3/16 x 3/8 x 5") E.P.D.M Setting block
H-55033	5" Support tab for Double Glazed SSG
H-55203	4" Shear Block - Compatible with 2-1/2" x 5-1/4" Mullion
R-55009	Interior Gasket for SSG
Screw-01	#10 x 1" Pan Head Screw, ZINC
Screw-02	#10 x 1-1/4" Flat Head Socket Screw, Zinc
Screw-03	#10 x 3/4" Quadrex Pan Head Screw, Zinc
Silicone	Silicone
Spandrel Glass	Spandrel Glass (Single Glazing)



DETAIL B

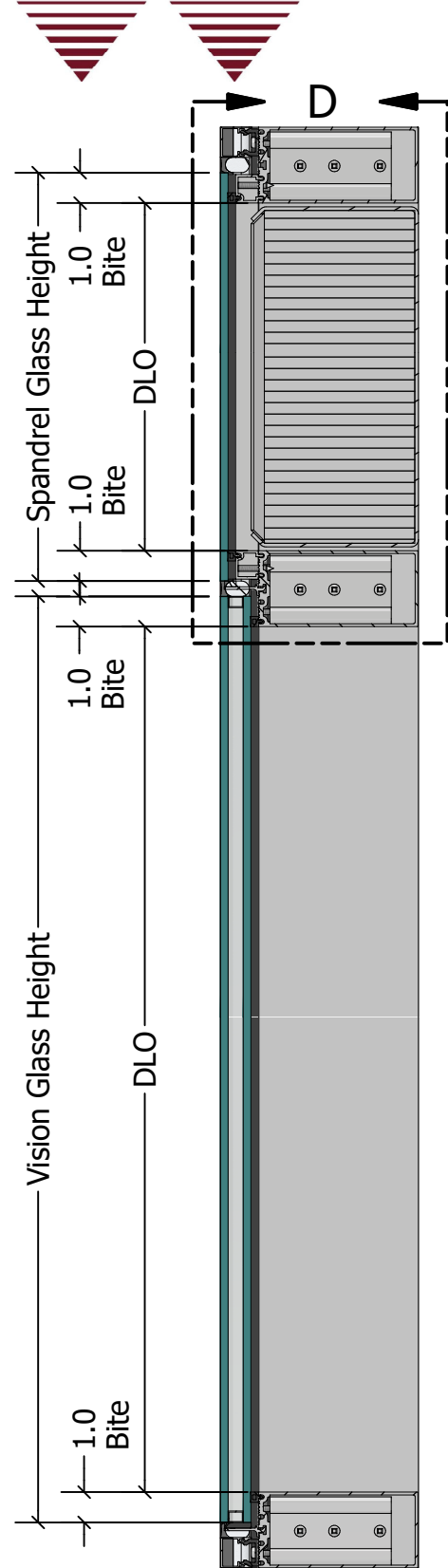
DETAIL A

F a b r i c a t i o n

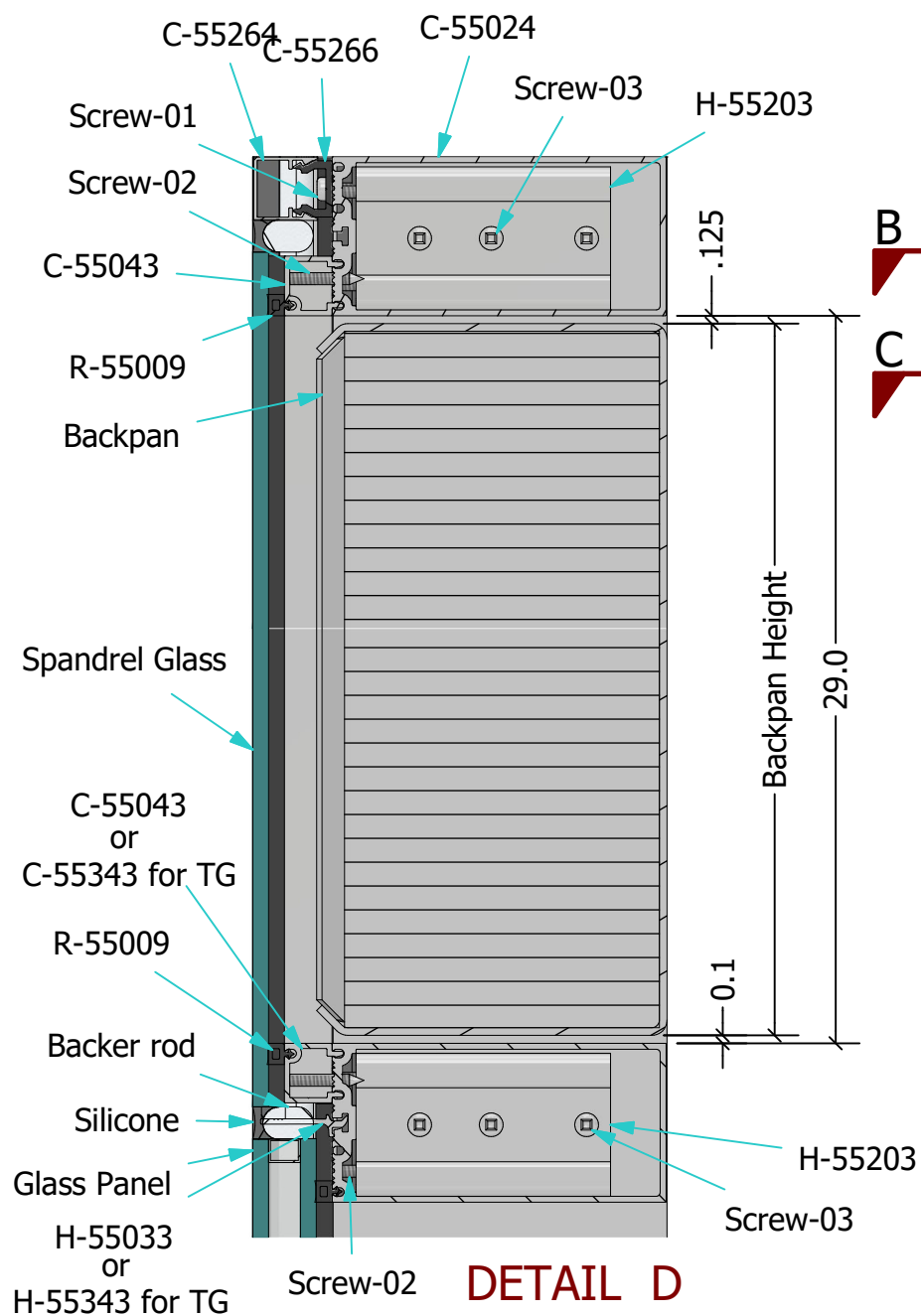
D r a w i n g s



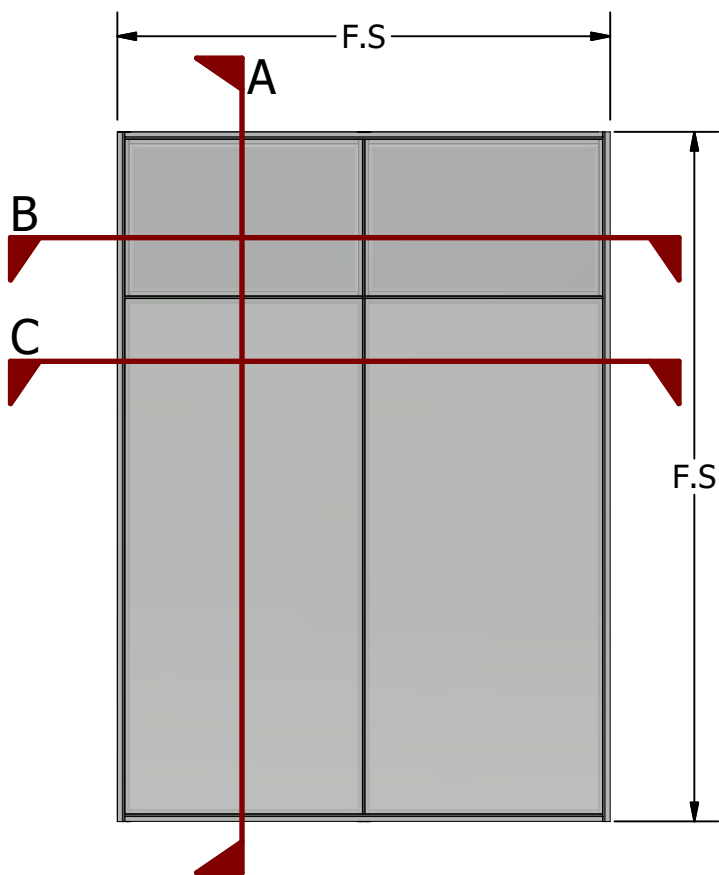
5500 HTP Series



SECTION A-A



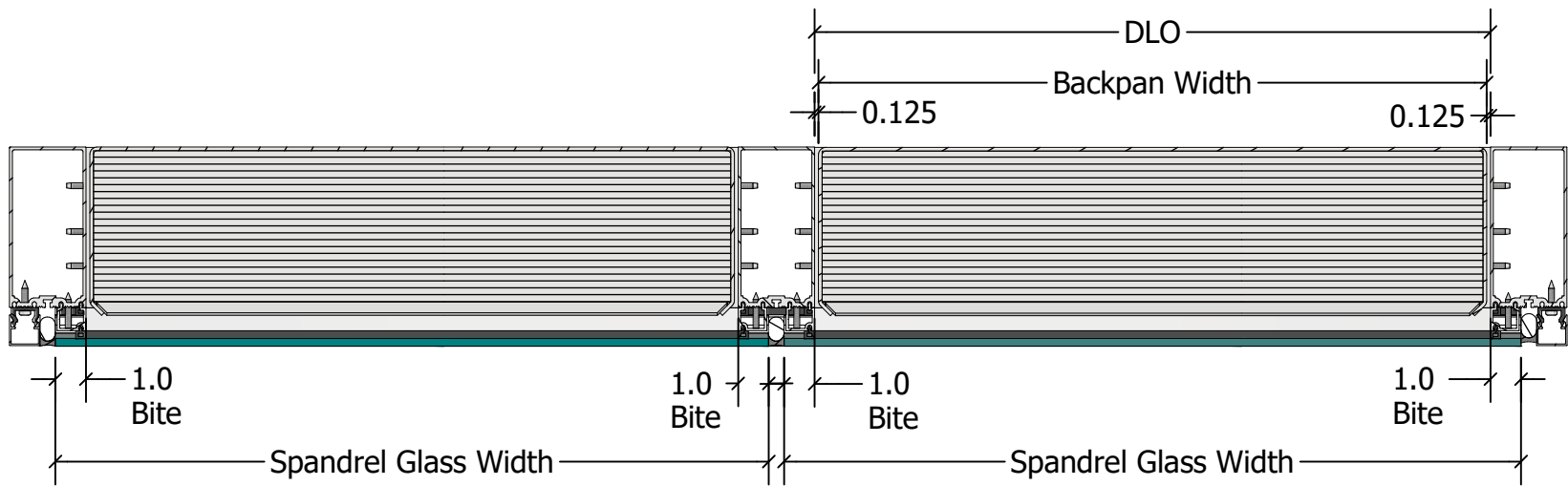
DETAIL D



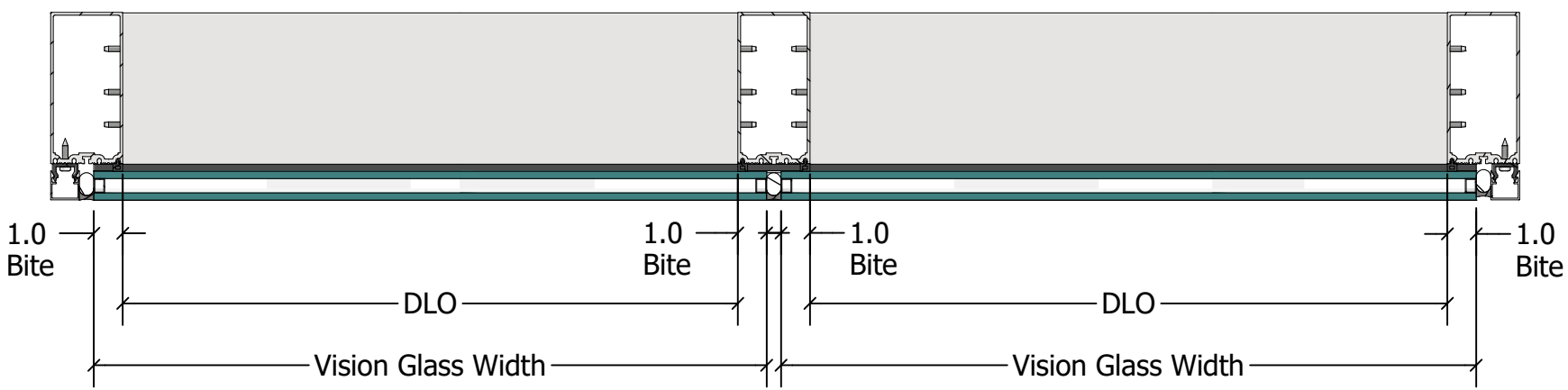
Notes:

- R.O : Rough opening
- F.S : Frame size = R.O - 1"
- DLO : Daylight opening

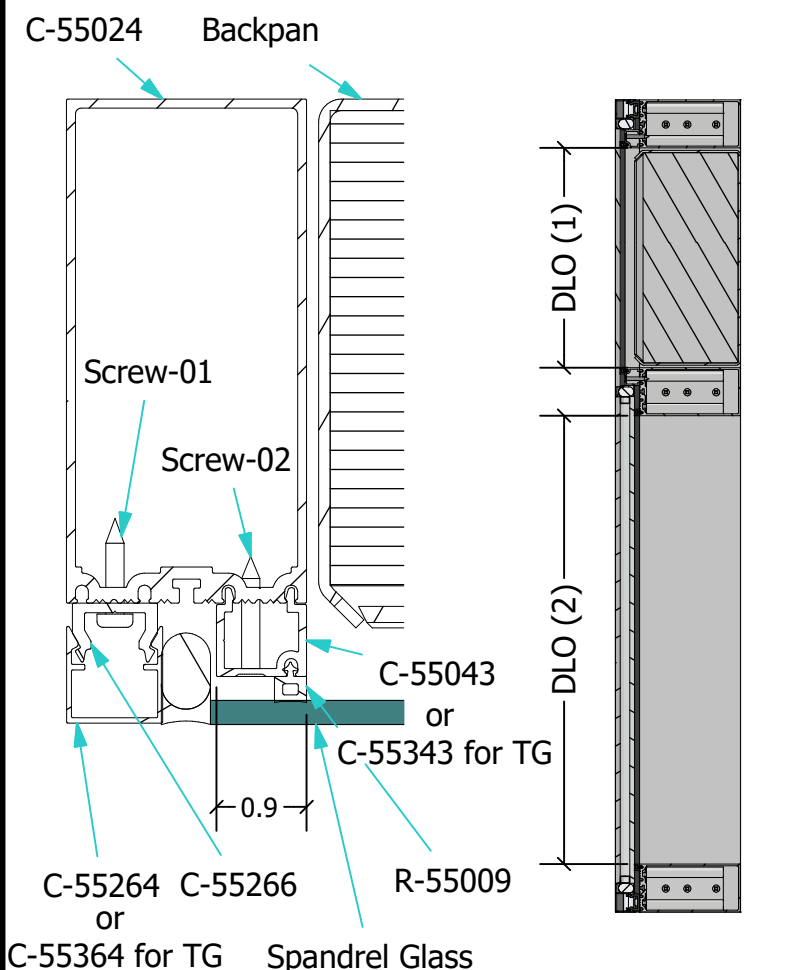
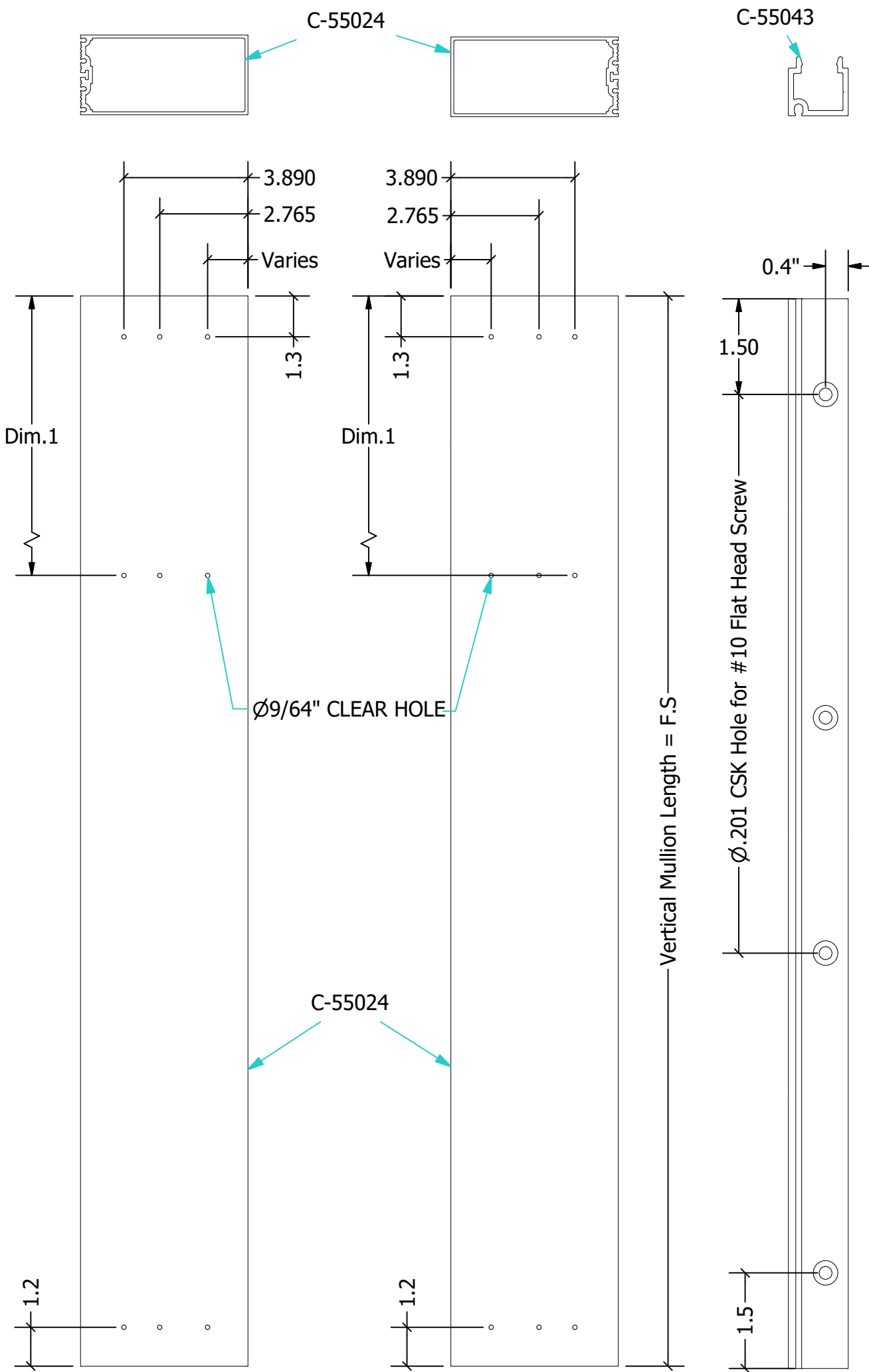
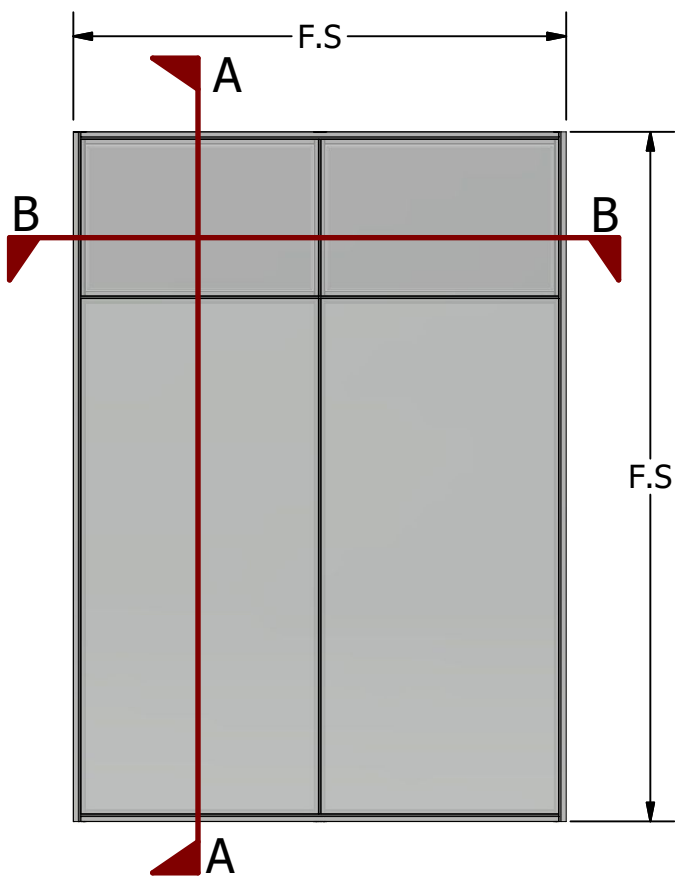
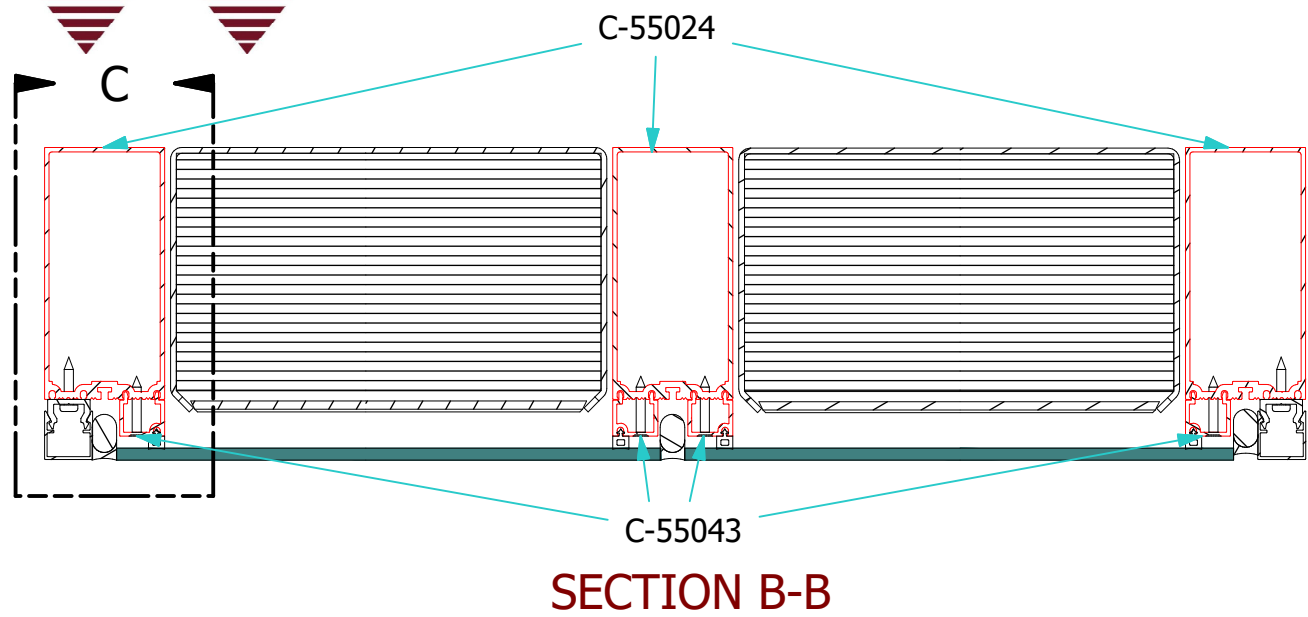
- Vision Glass Width = DLO + 1"
- Vision Glass Height = DLO + 1"
- Backpan Height = DLO - 0.25 "
- Backpan Width = DLO - 0.25 "
- Spandrel Glass Height = DLO + 2"
- Spandrel Glass Width = DLO + 2"



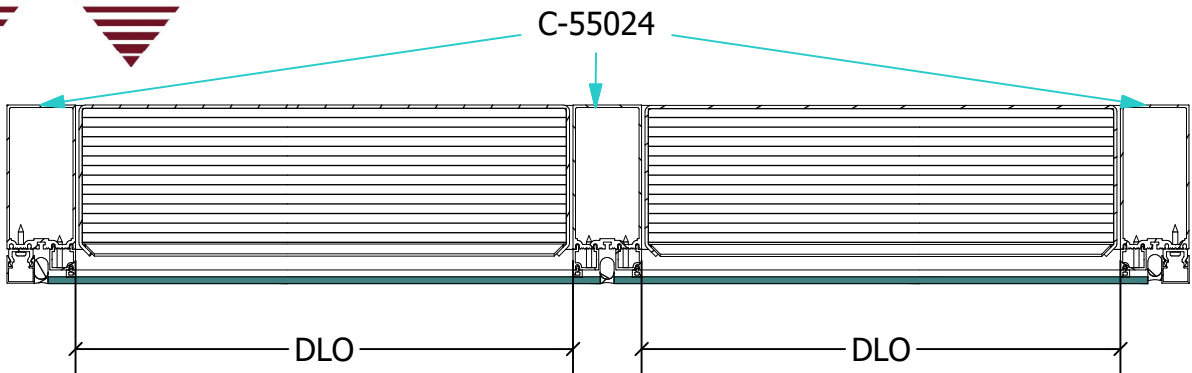
SECTION B-B



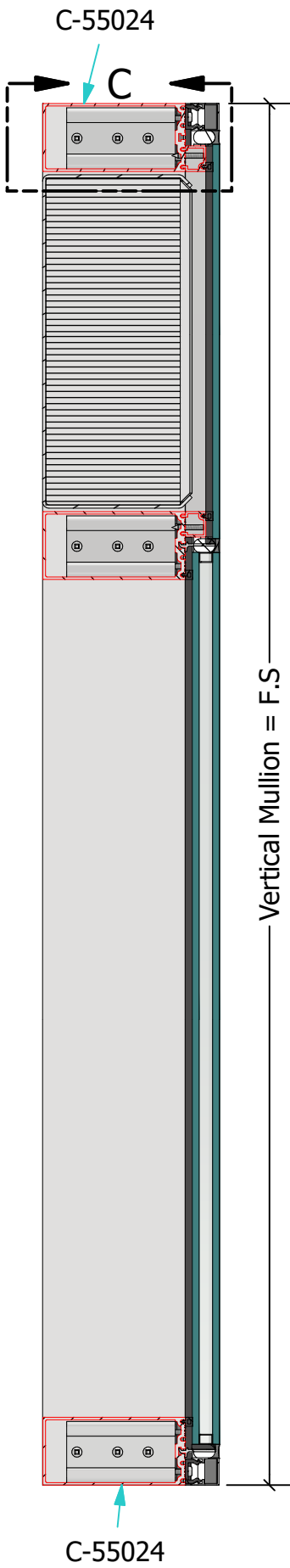
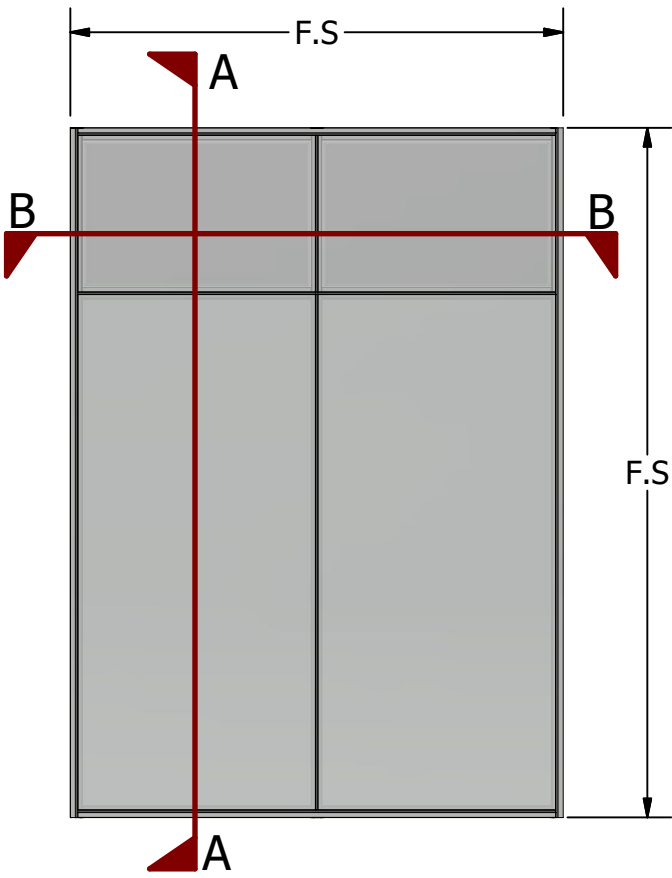
SECTION C-C



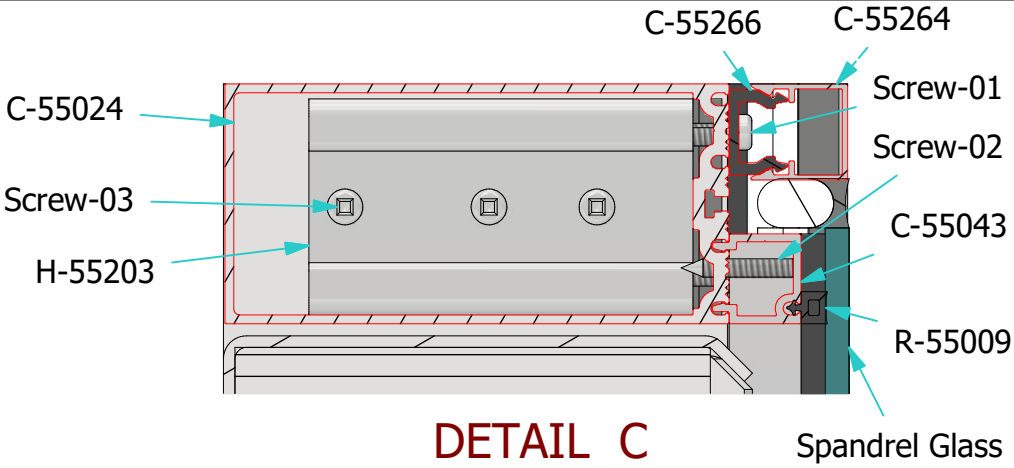
- Notes:**
- R.O : Rough opening
 - F.S : Frame size = R.O - 1"
 - DLO : Daylight opening
 - S/G : Single Glazing
 - PTC : Perimeter Trim Cap
 - PTB : Perimeter Trim Base
 - Vert. Mullion Length = F.S (C-55024)
 - Vert. PTC Length = F.S
 - Vert. PTB Length = F.S
 - Vert. S/G Adaptor = DLO(1)+1.88"
 - Dim.1 = DLO (1) + 3.75 "



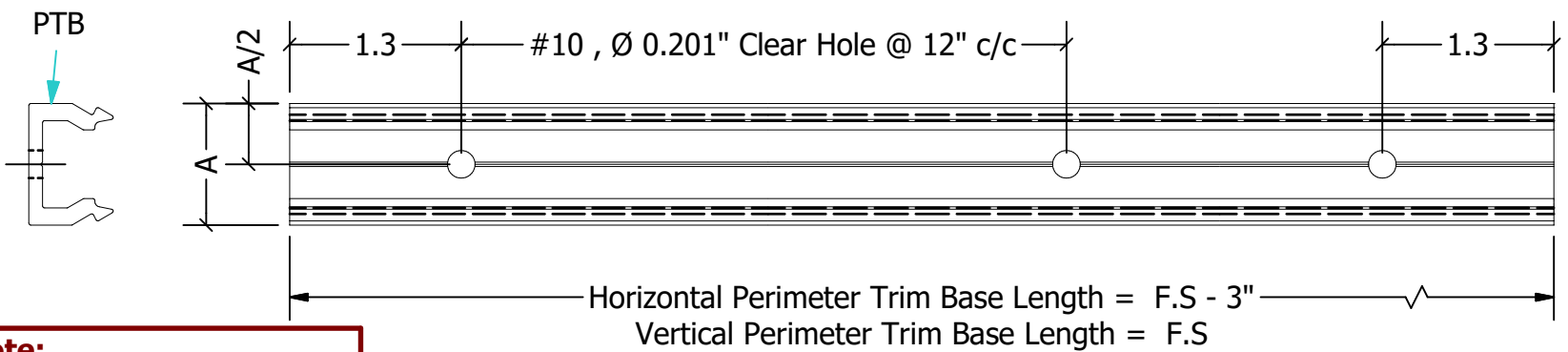
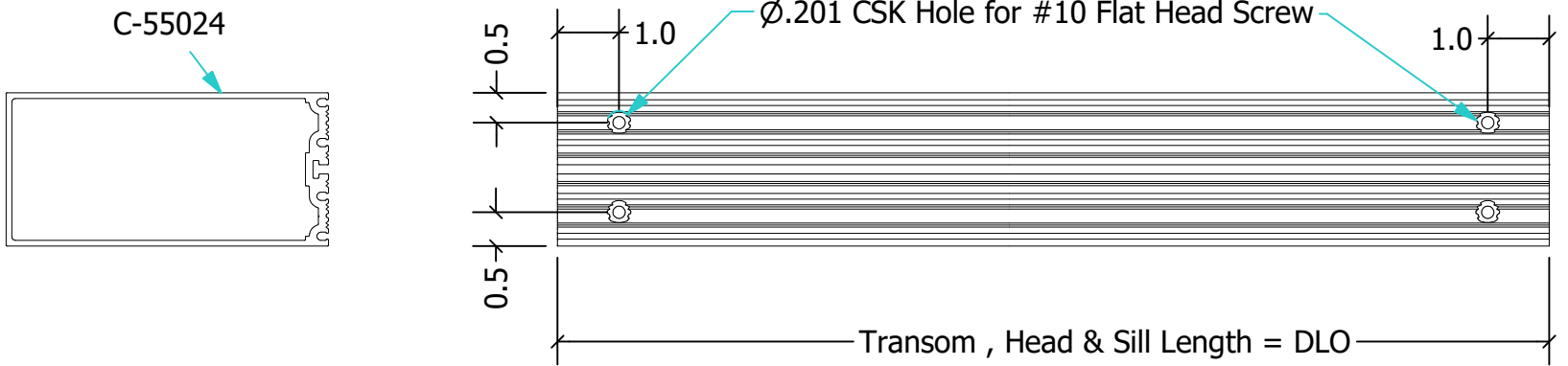
SECTION B-B



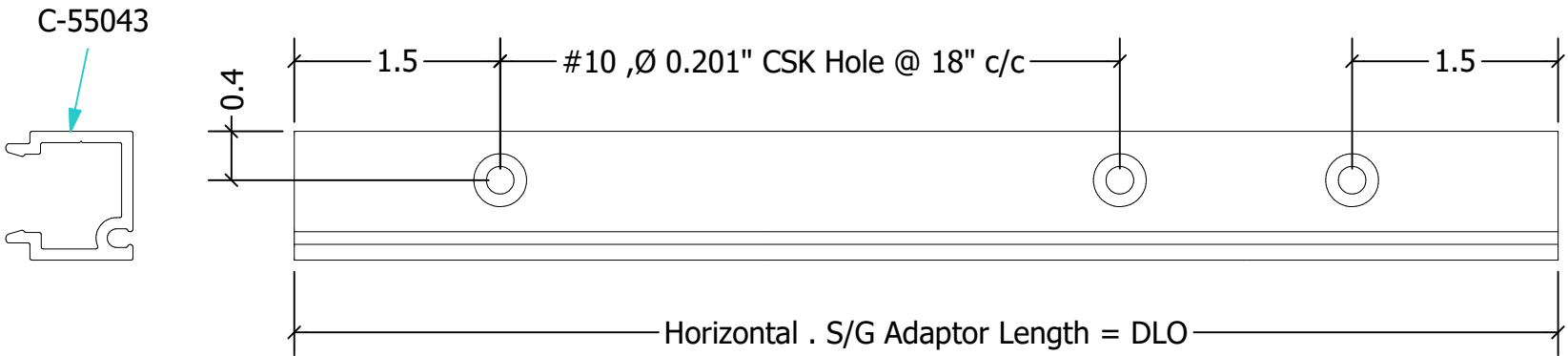
SECTION A-A



DETAIL C



Note:
This drawing applies to both vertical and horizontal PTBs.



Notes:

- R.O : Rough opening
- F.S : Frame size = R.O - 1"
- DLO : Daylight opening
- S/G : Single Glazing
- PTC : Perimeter Trim Cap

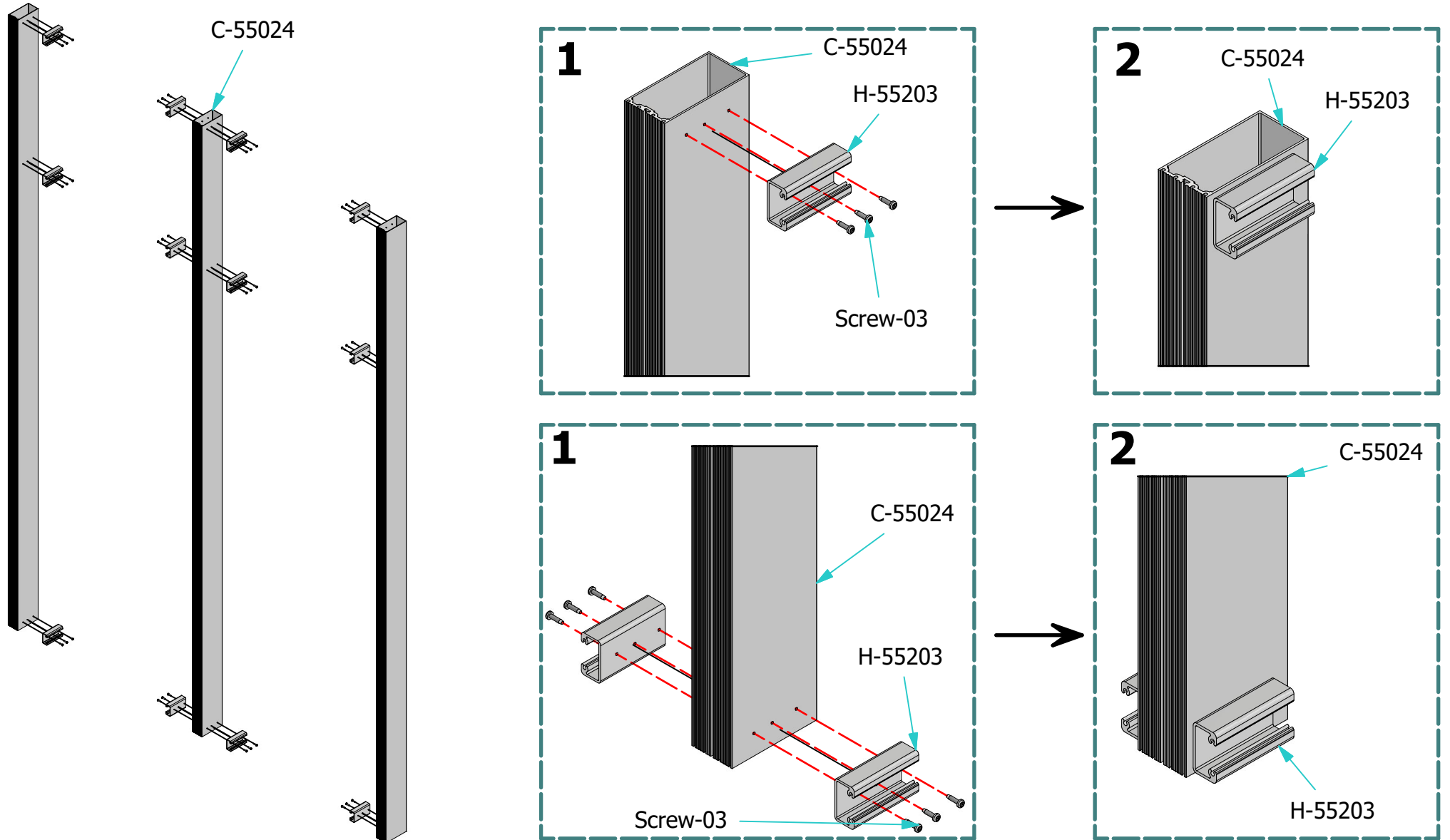
- PTB : Perimeter Trim Base
- Transom , Head & Sill (C-55024) Length = DLO
- Horizontal PTC Length = F.S - 3"
- Horizontal PTB Length = F.S - 3"
- Horizontal S/G Adaptor Length = DLO

A S S E M B L Y

S T E P S

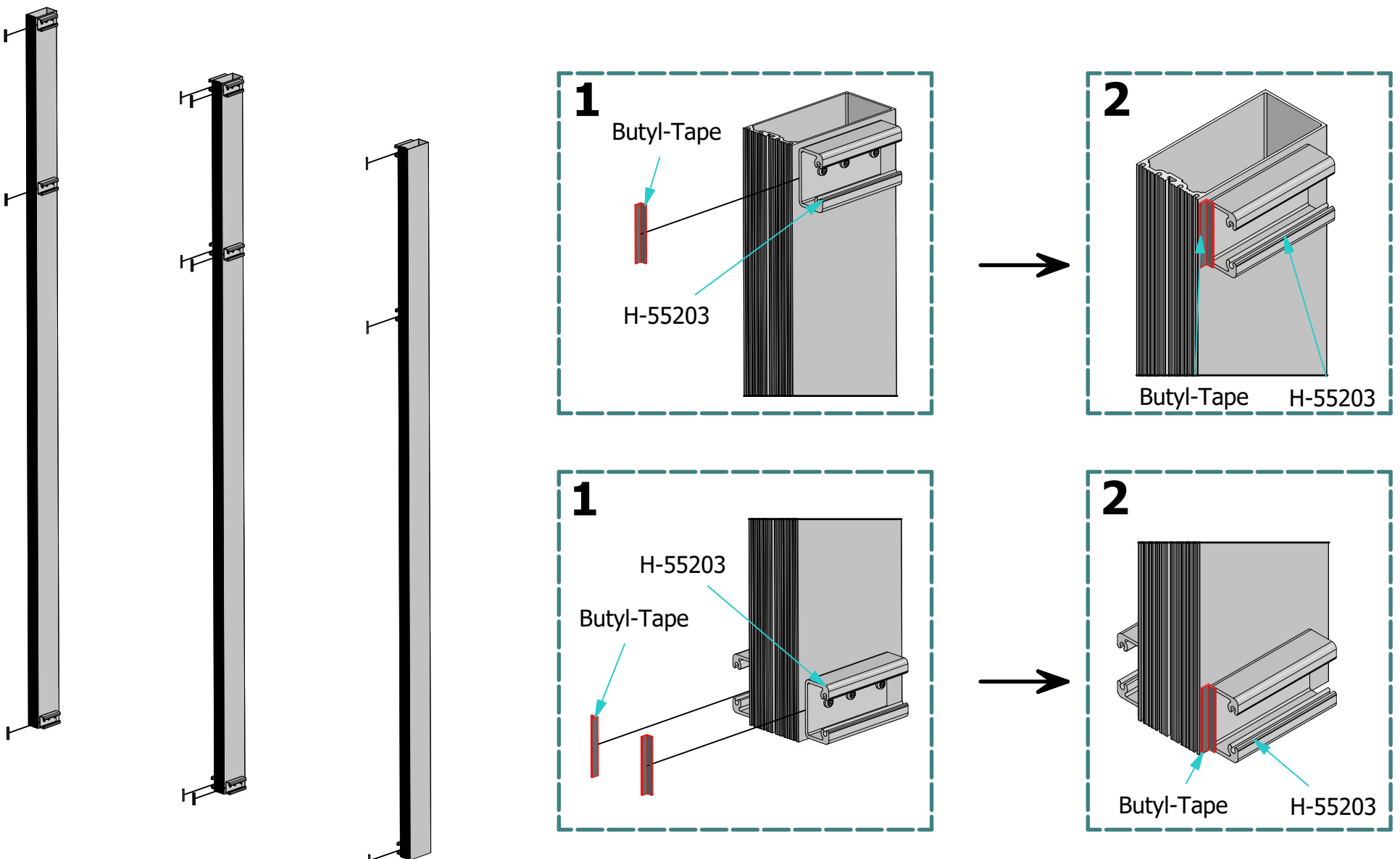
STEP 1 (Shear Block Installation):

Attach shear blocks (H-55203) to the mullions (C-55024). Fasten using **#10 x 3/4" Quadrex Pan Head Screws (Screw-03)** through the Ø9/64" pre-drilled holes, as illustrated below.



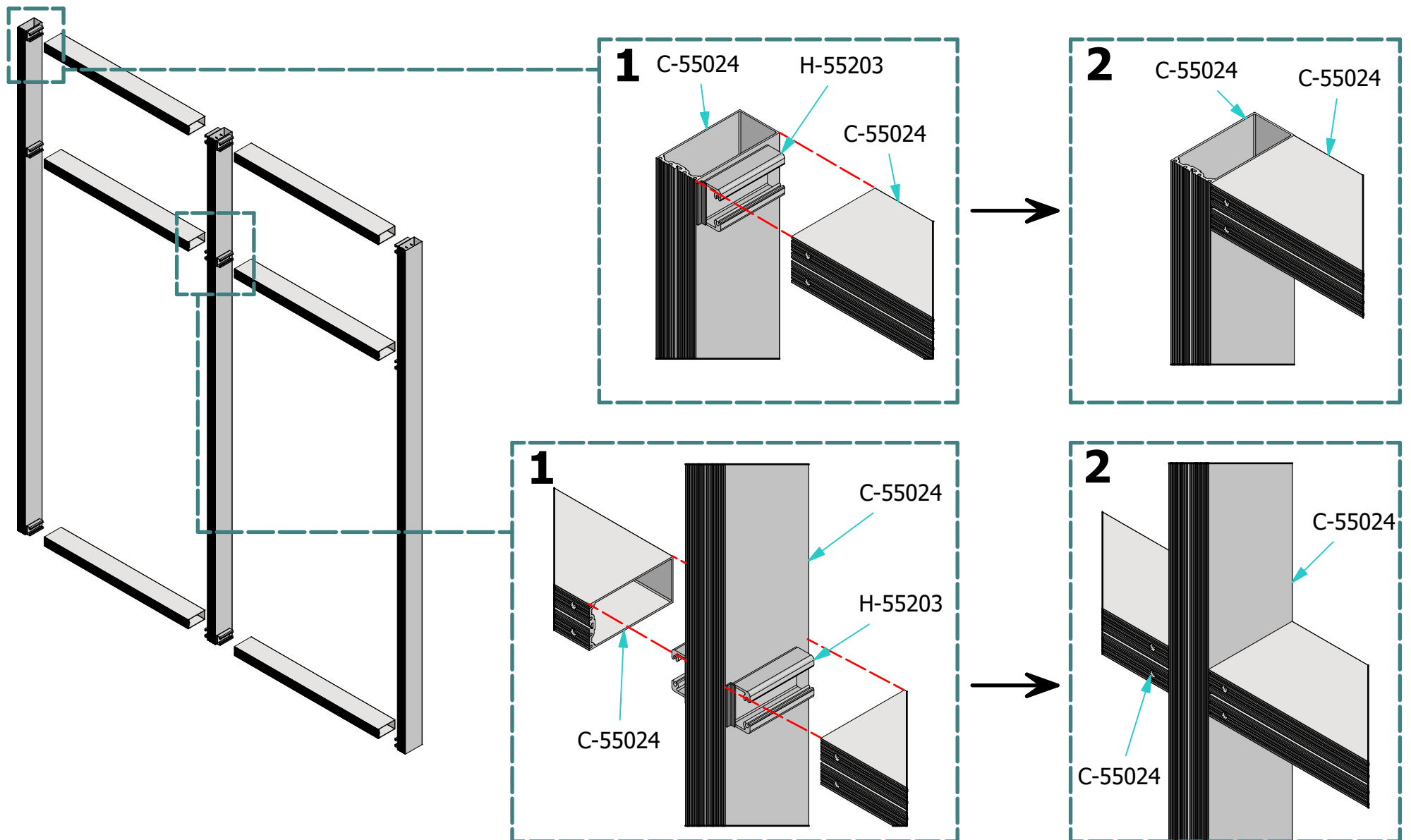
STEP 2 (Butyl Tape):

Apply a $\frac{1}{16}$ " thick butyl tape to each shear block (H-55203) on the exterior-facing side, as shown below.

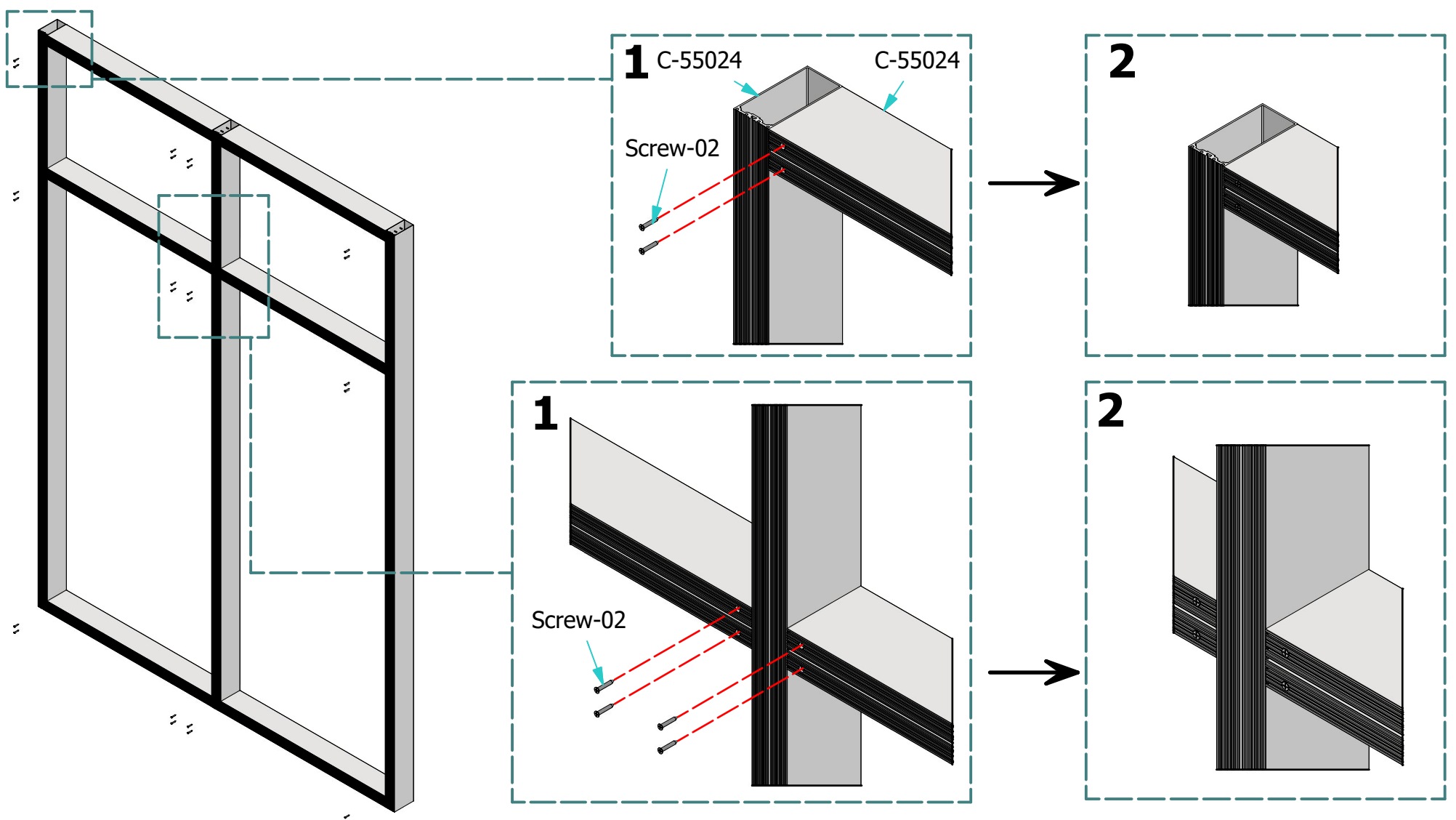


STEP 3 (Horizontal Installation):

1) - Attach the horizontals (heads, transoms, and sills) **C-55024** to the vertical mullions **C-55024** by sliding them onto the shear blocks (**H-55203**), as shown below.

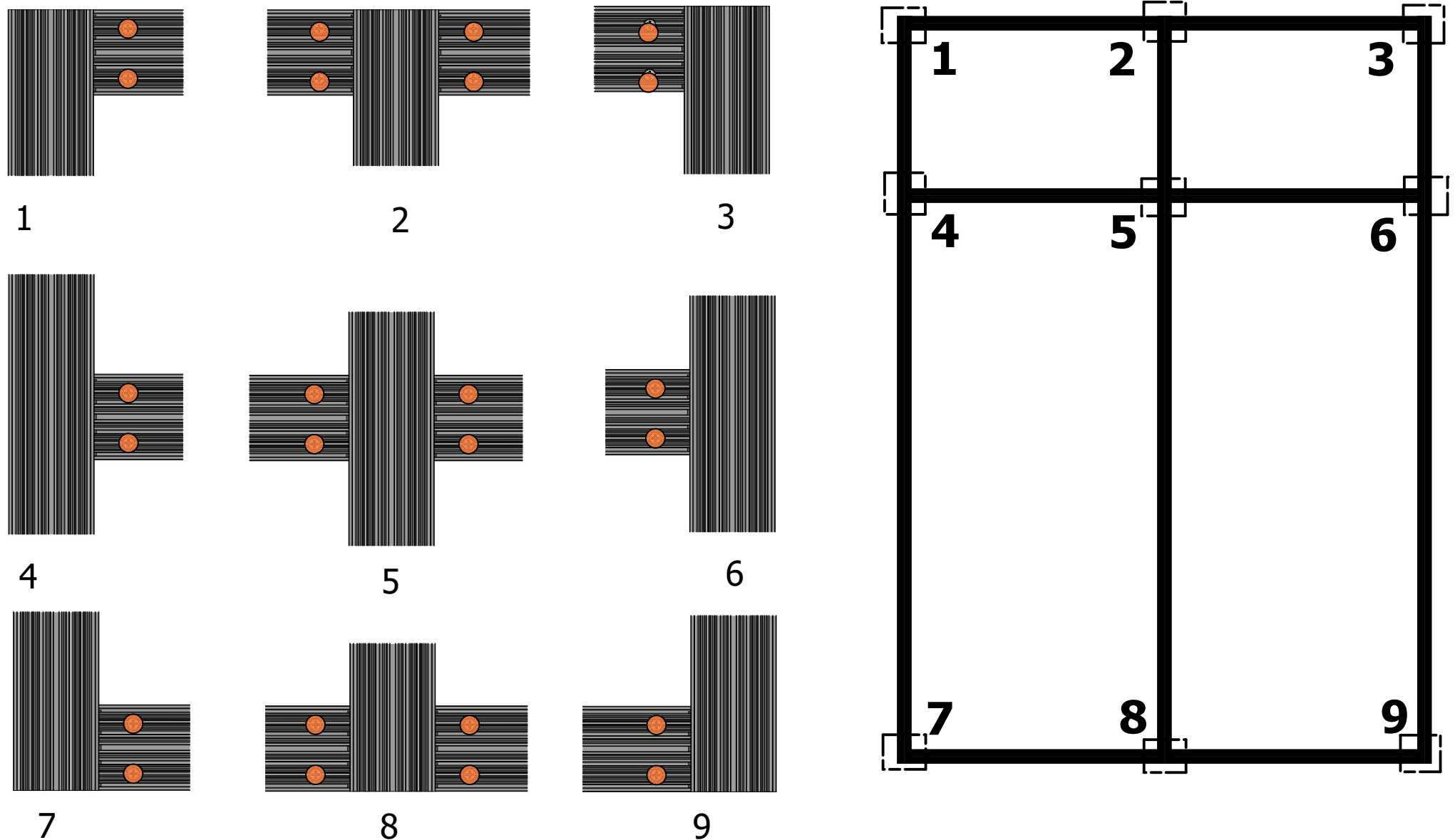


2) - Fasten the horizontals to the shear blocks using **#10 x 1-1/4" Flat Head Socket Screw (Screw-02)** through the Ø0.201" CSK pre-drilled holes, as illustrated below



STEP 4 (Shear Block Screw Sealing):

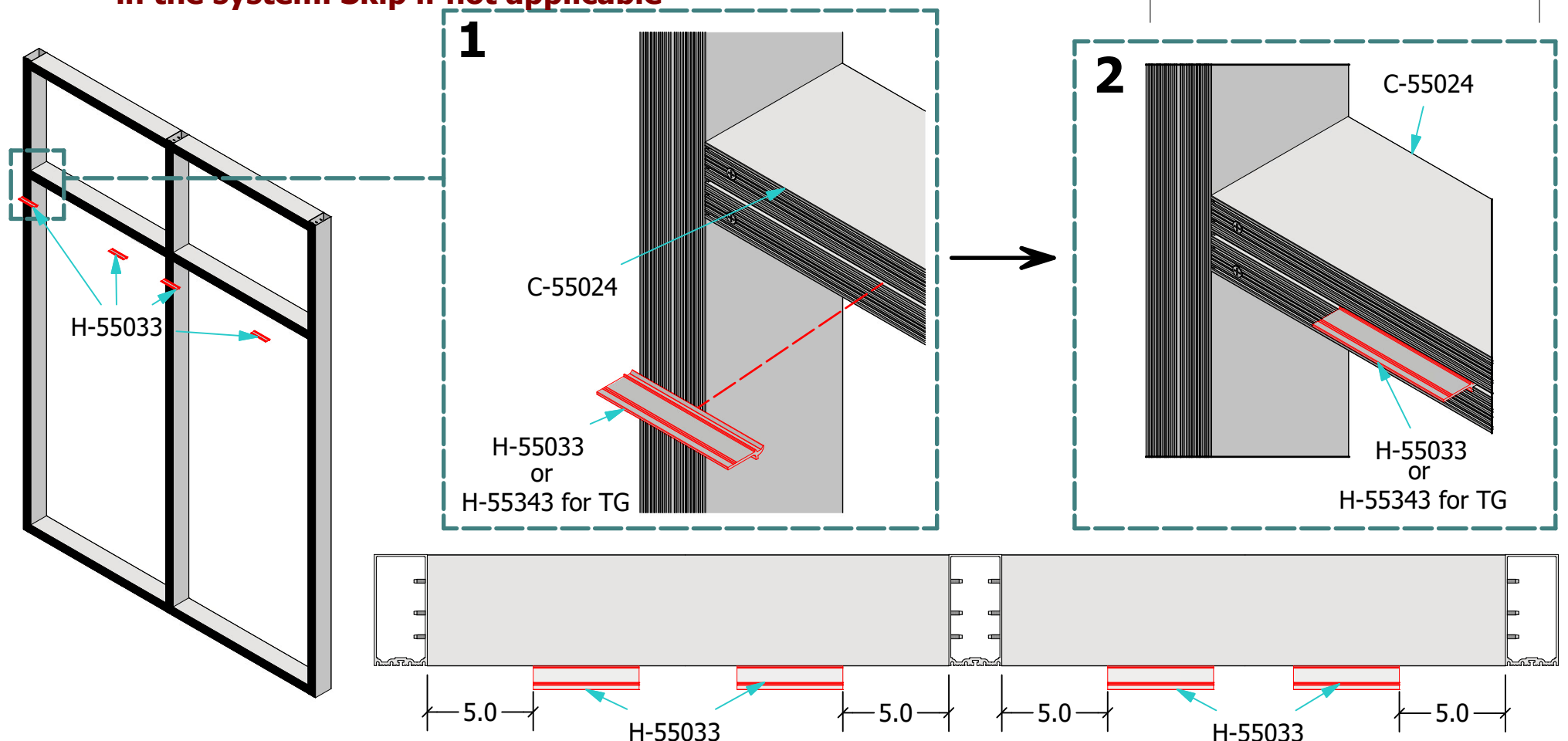
- Apply silicone on the horizontals **at the screw locations** where the **#10 × 3/4" Quadrex Pan Head Screws (Screw-02)** pass through the shear block, ensuring full coverage to maintain a watertight seal, as shown below.



STEP 5 (If Applicable)

Support Tab Installation (Spandrel):

- Snap the support tab (**H-55033** or **H-55343 for TG**) into the Transom (**C-55033**) groove, positioning it **5"** from the edge, as shown below
- **NOTE: This step applies only when spandrel glass is included in the system. Skip if not applicable**

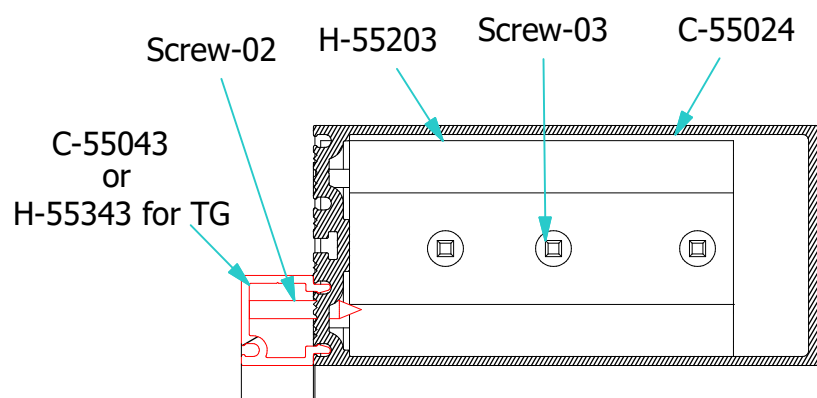


STEP 6: (If Applicable)

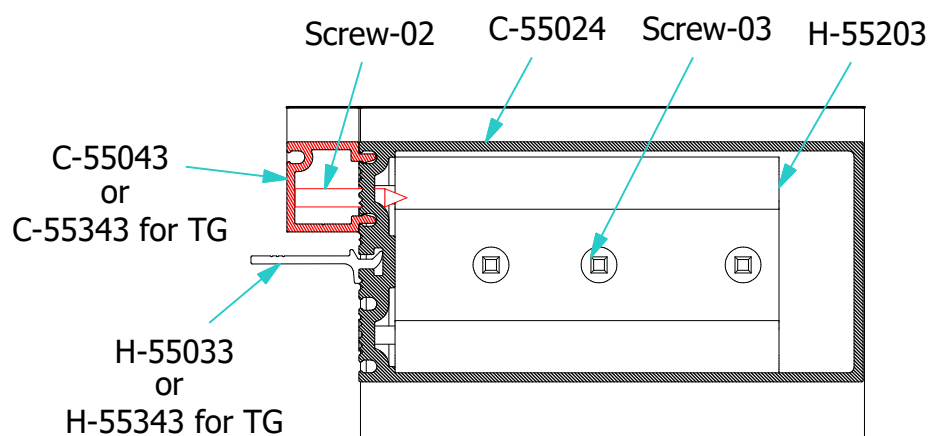
(Single glazing Adaptor Installation)

- Install the single glazing adaptor (**C-55033**, or **C-55343 for TG**) into the vertical and horizontal grooves in the spandrel area, ensuring it is properly seated, as shown below.

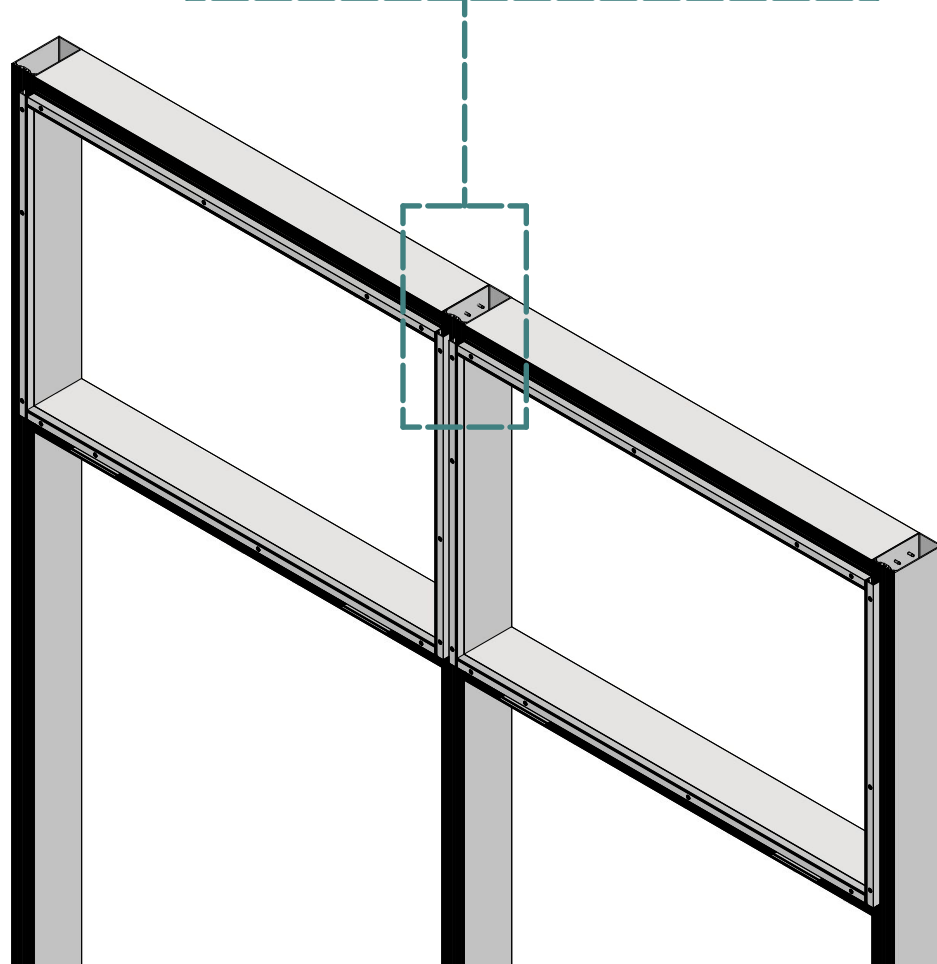
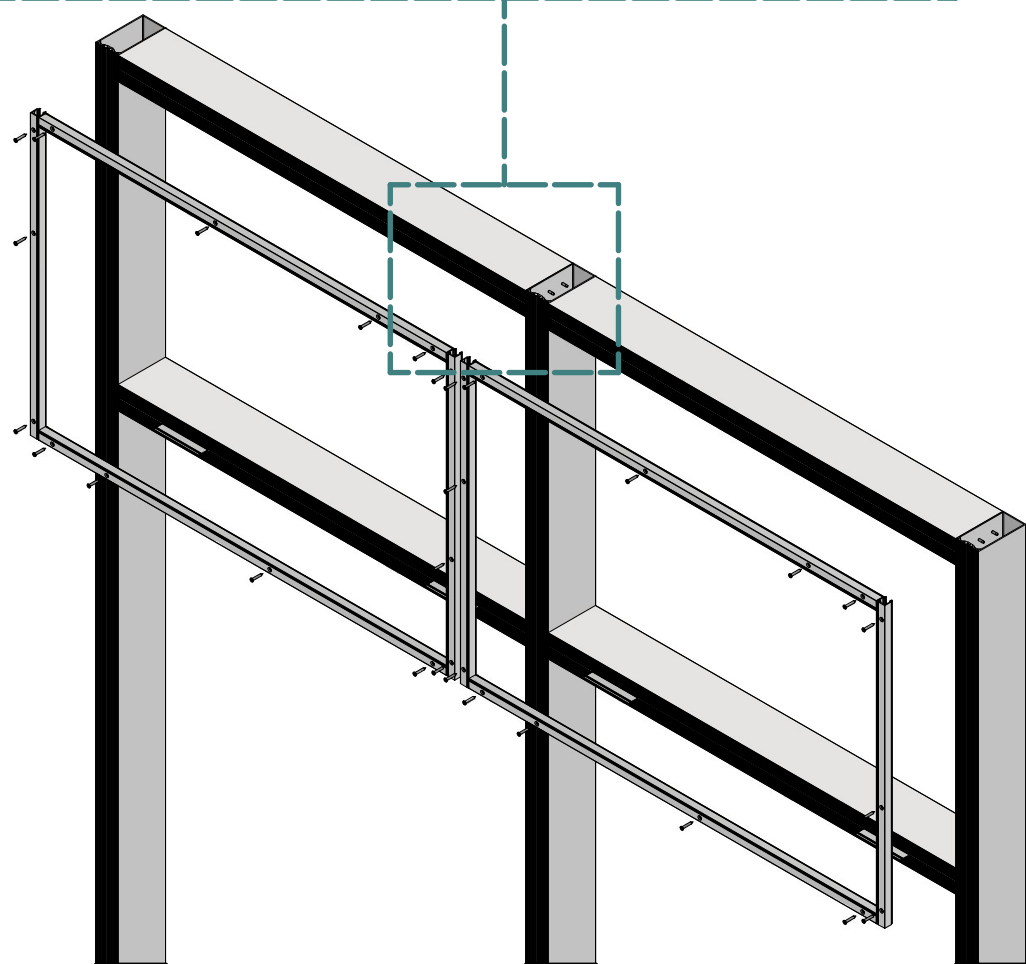
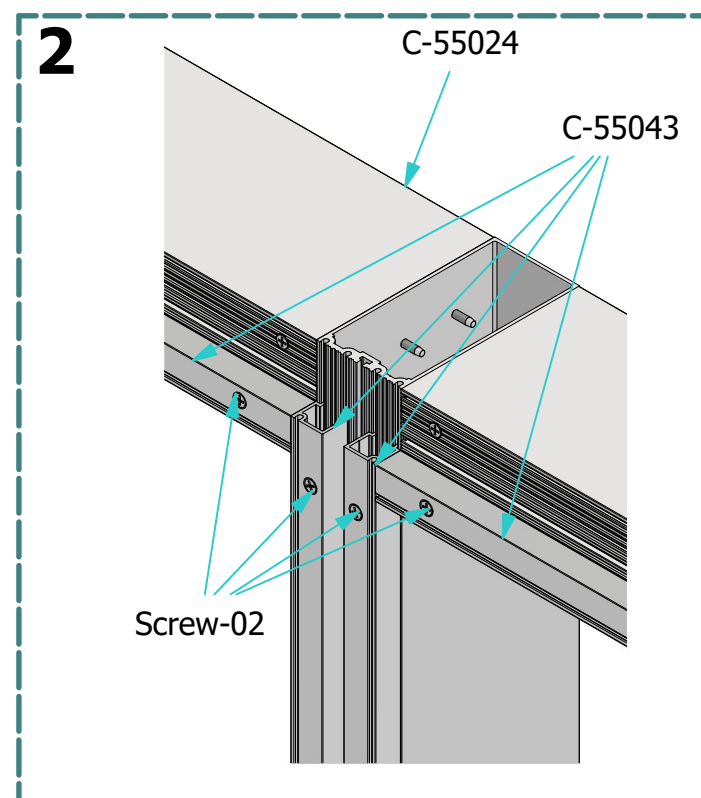
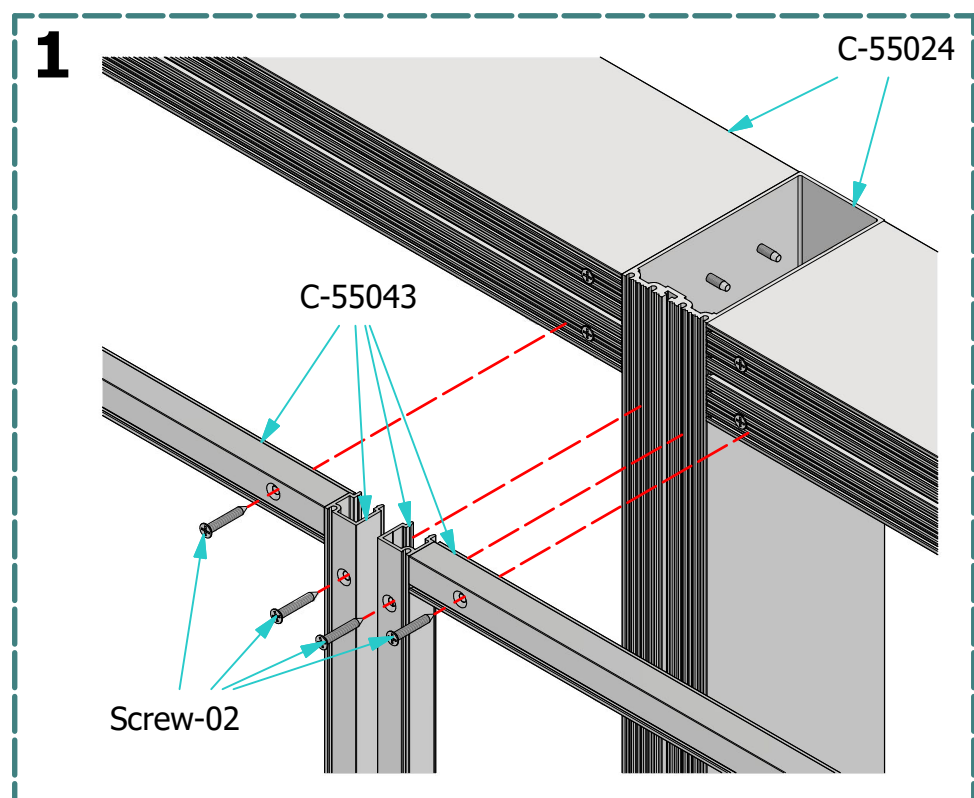
- **NOTE :This step applies only when spandrel glass is included in the system. Skip if not applicable**



Section Detail @ Head



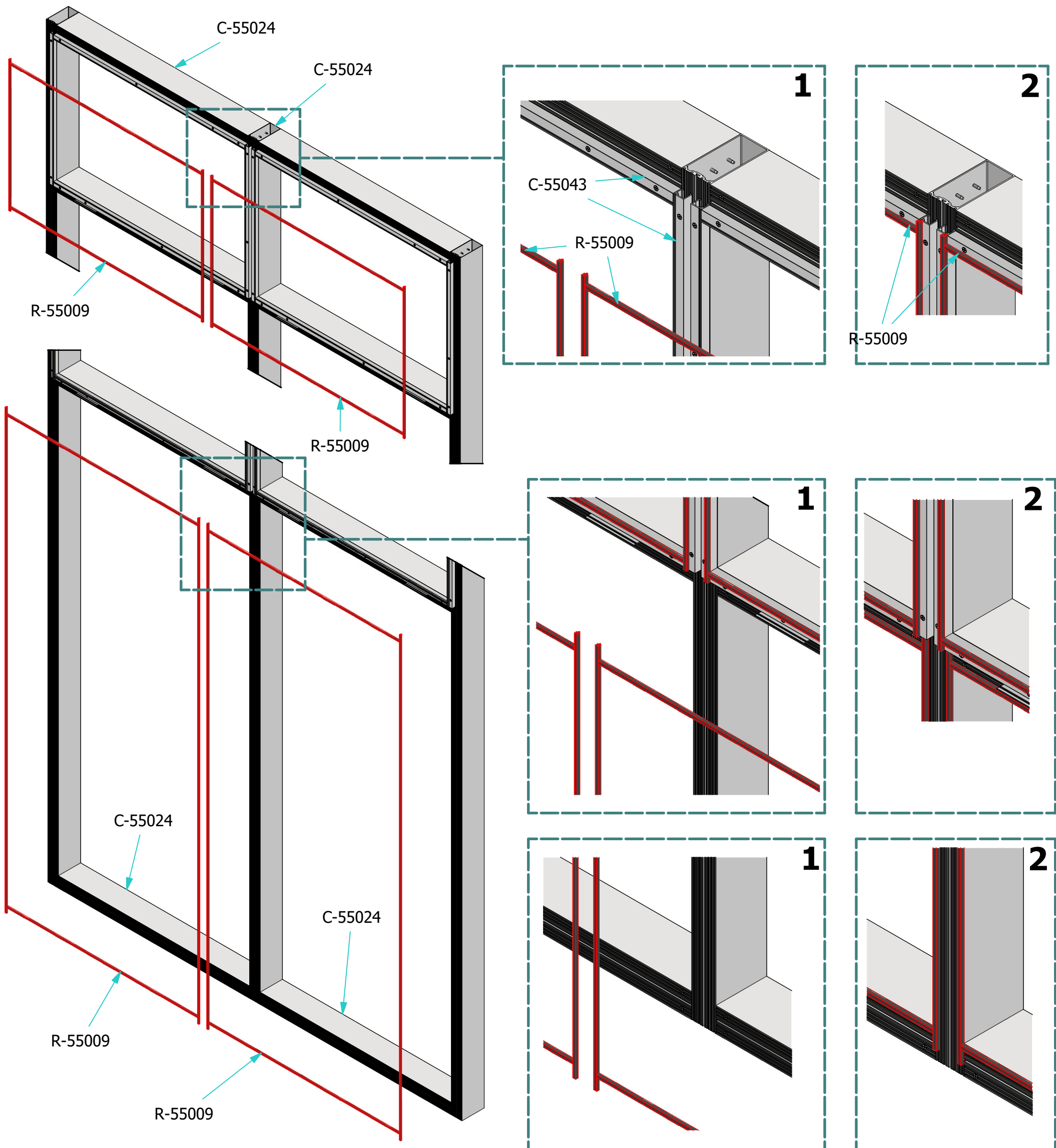
Section Detail @ Transom



STEP 7 (Interior Gasket Installation):

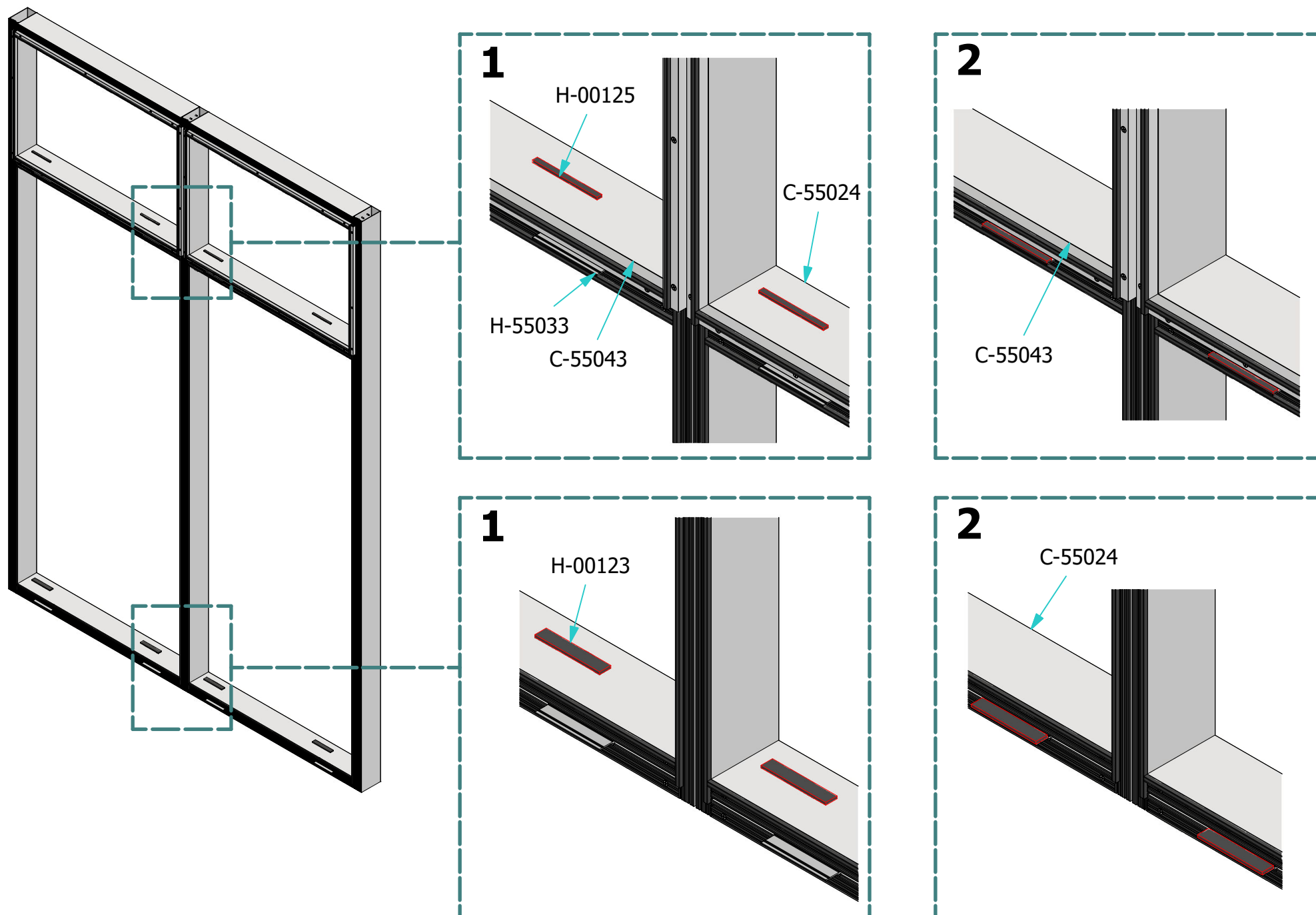
- Carefully insert the interior gaskets (**R-55009**) into the designated grooves. For vision glass areas, place them along the grooves of the vertical and horizontal members (**C-55024**). For spandrel areas, insert them into the groove of the spandrel adaptor (**C-55043**).

Ensure each gasket is fully seated and continuous along the entire length, as shown below.



STEP 08 (Setting Block Placement):

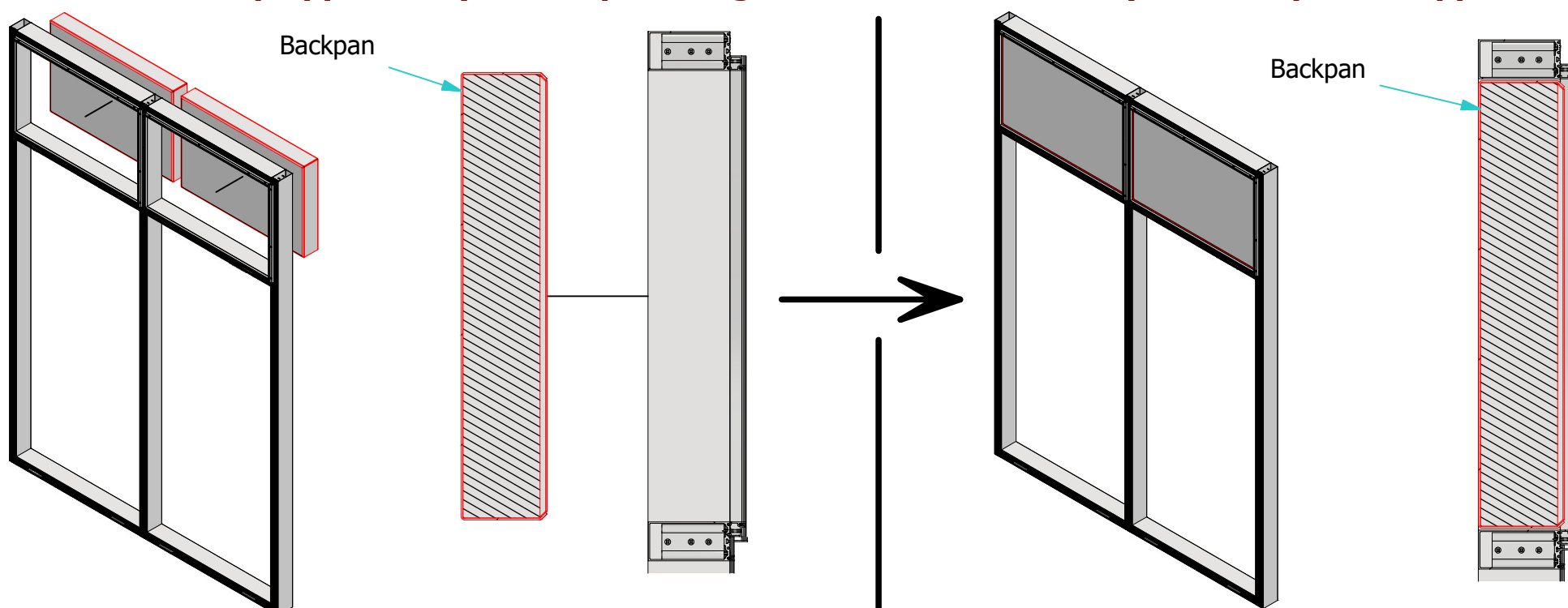
- Place the setting block (**H-00123**) for **fixed glass** on top of the glazing support tabs (**H-55033**). For **spandrel glass**, place the setting block (**H-00125**) on top of the glazing support tabs (**H-55033**), as shown below.
- **NOTE** :Perform the spandrel step only if spandrel glass is included in the system.



STEP 09 (If Applicable)

Back Pan Installation:

- Install the Back Pan into the spandrel opening, ensuring its back face is flush with the back faces of the mullions and transoms, as shown below.
- **NOTE** :This step applies only when spandrel glass is included in the system. Skip if not applicable



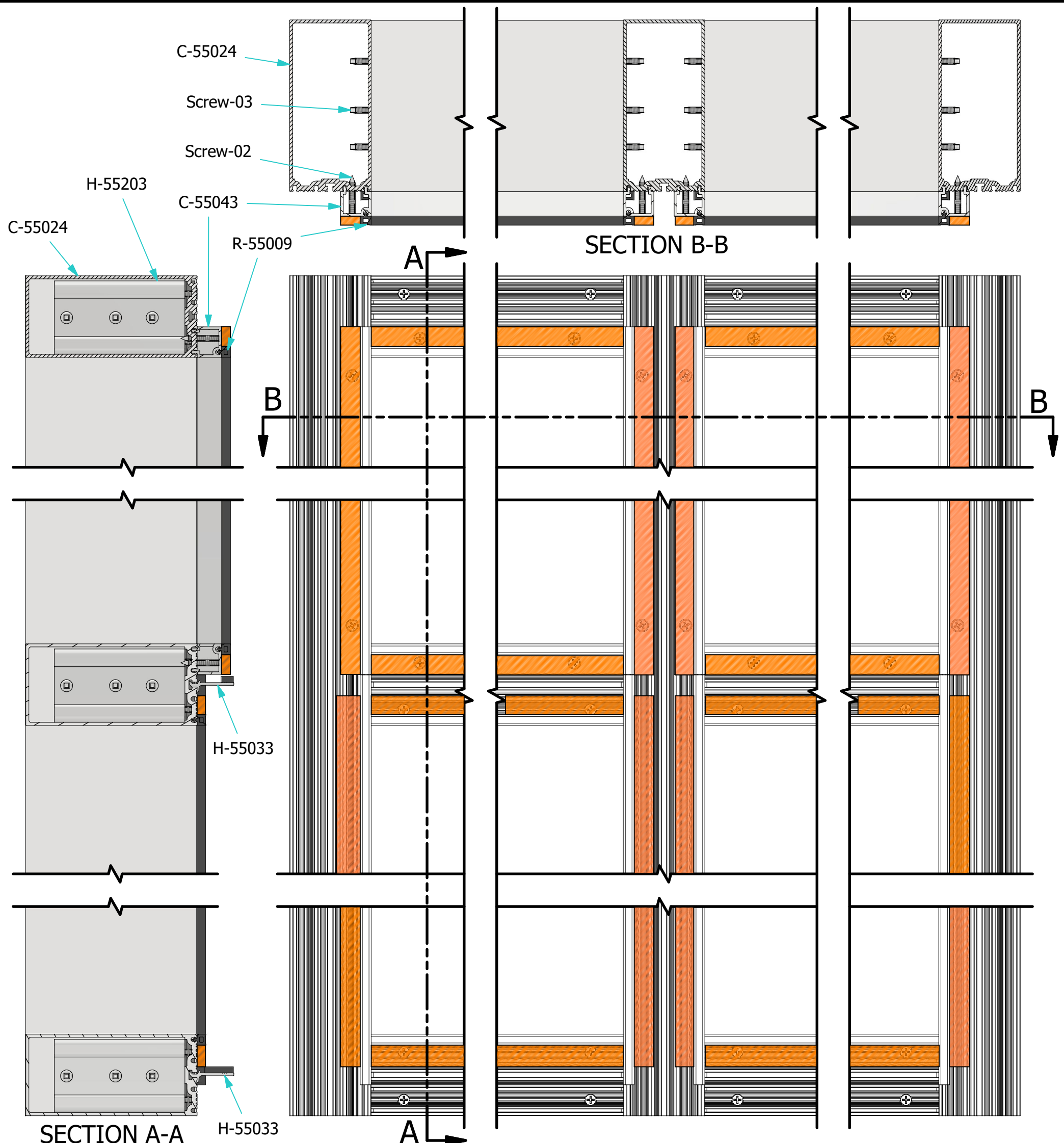
STEP 10 (Structural Silicone):

1)- Vision Glass Area Silicone Application - Complete prior to glass installation:

Apply structural silicone along the verticals and horizontals (C-55024) at the designated areas between the interior gaskets (R-55009) and glazing support tabs(H-55033) , around the full perimeter of the Day Light Opening (DLO).

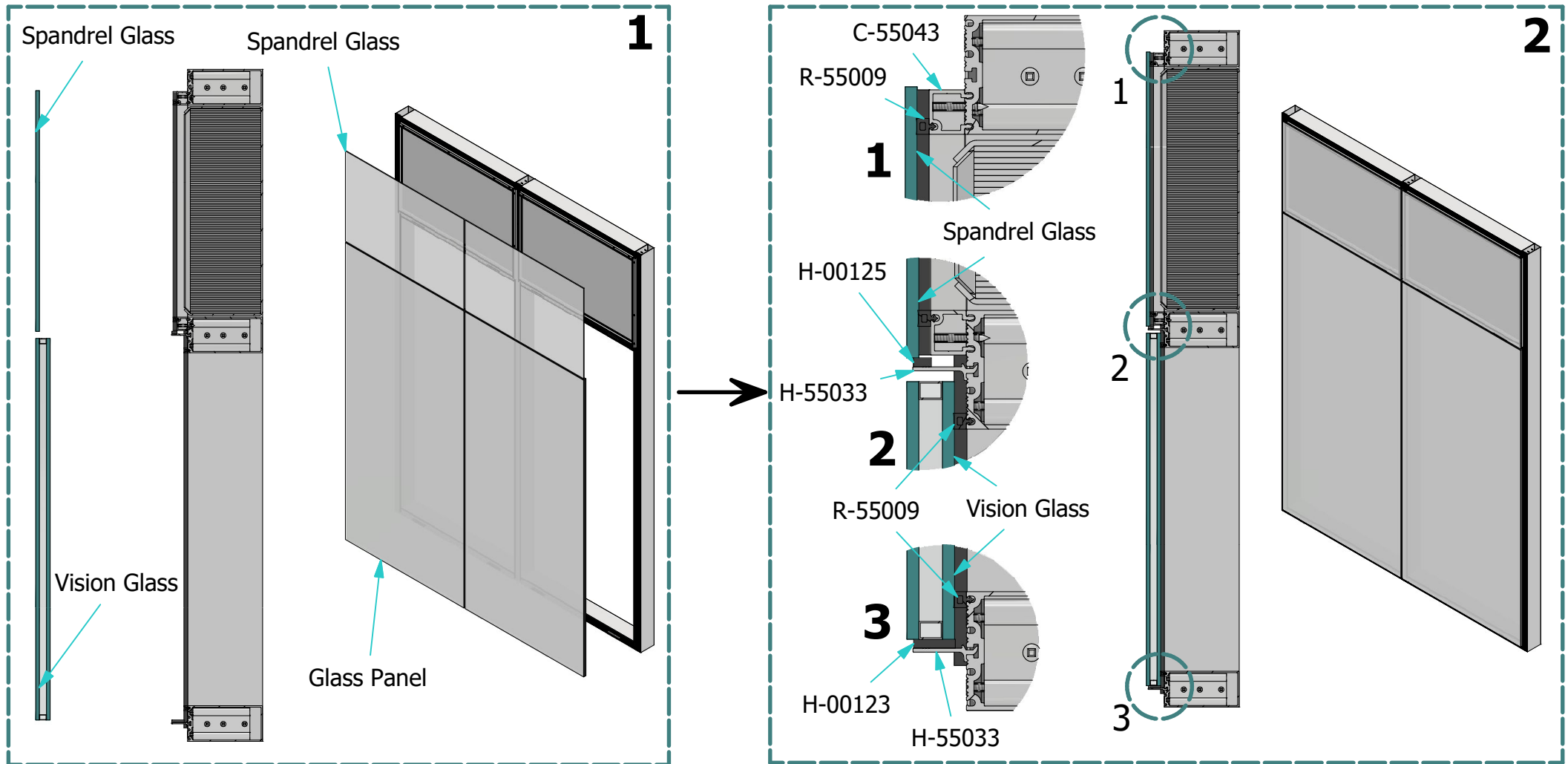
2)- Spandrel Area Silicone Application - Complete prior to glass installation:

Apply structural silicone onto the single glazing adaptor (C-55043) at the designated areas between the interior gasket and glazing support tabs, around the full perimeter of the DLO.



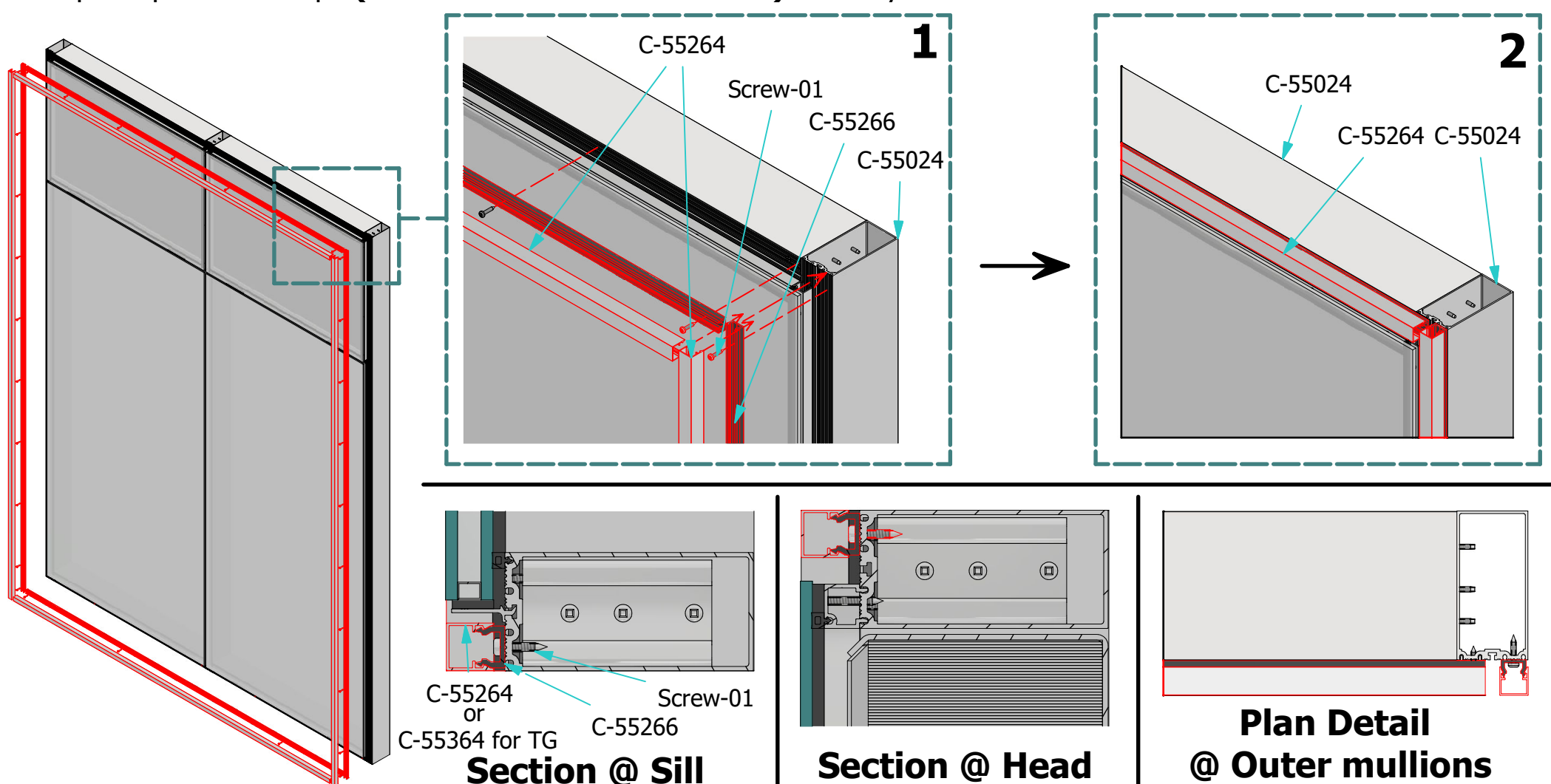
STEP 11 (Glass Panels Installation):

- Insert the vision glass panels into each daylight opening, ensuring they are evenly supported and properly aligned on the setting blocks (**H-00123**).
- Insert a single spandrel glass panel into the designated spandrel opening, if applicable, ensuring it is seated correctly on its setting blocks (**H-00125**).



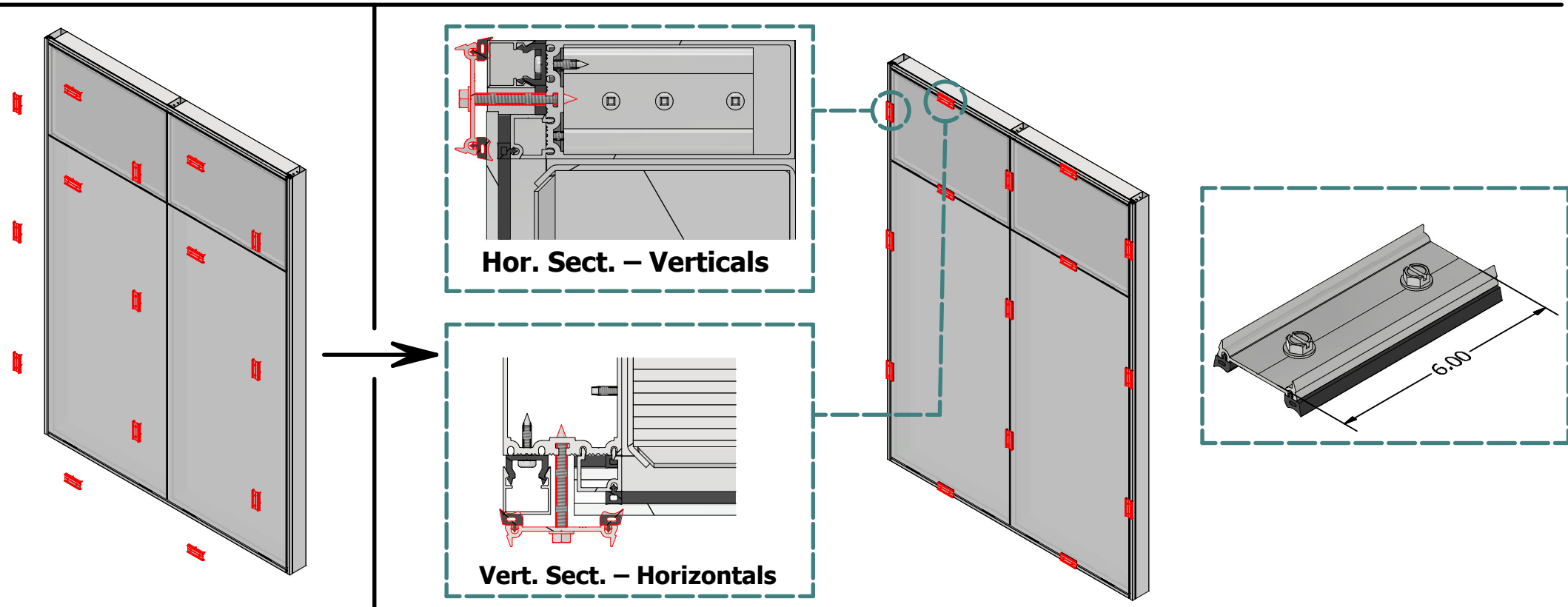
STEP 12 (Perimeter trims installation):

1. Secure the perimeter trim bases (**C-55266**) around the curtain wall by fastening them to the head, sill, and both outer vertical mullions (**C-55024**) using **#10 x 1" zinc pan head screws (Screw-01)**.
2. Snap the perimeter caps (**C-55264** or **C-55364 for TG**) securely onto the trim bases.



STEP 13 (Temporary Dutchies Installation):

- Temporarily attach 6" Dutchies to the horizontals and verticals by securing them through the neck, around the middle of each DLO. Use additional Dutchies for larger openings, as shown below



STEP 14 (Perimeter & Joint Sealant Application):

1. Remove the Dutchies from the vertical mullions.
2. Insert backer rod and apply silicone sealant into the joints around the glass panels and frame perimeter to ensure a continuous weather seal.
3. Repeat the backer rod and sealant application for the horizontal mullions.

