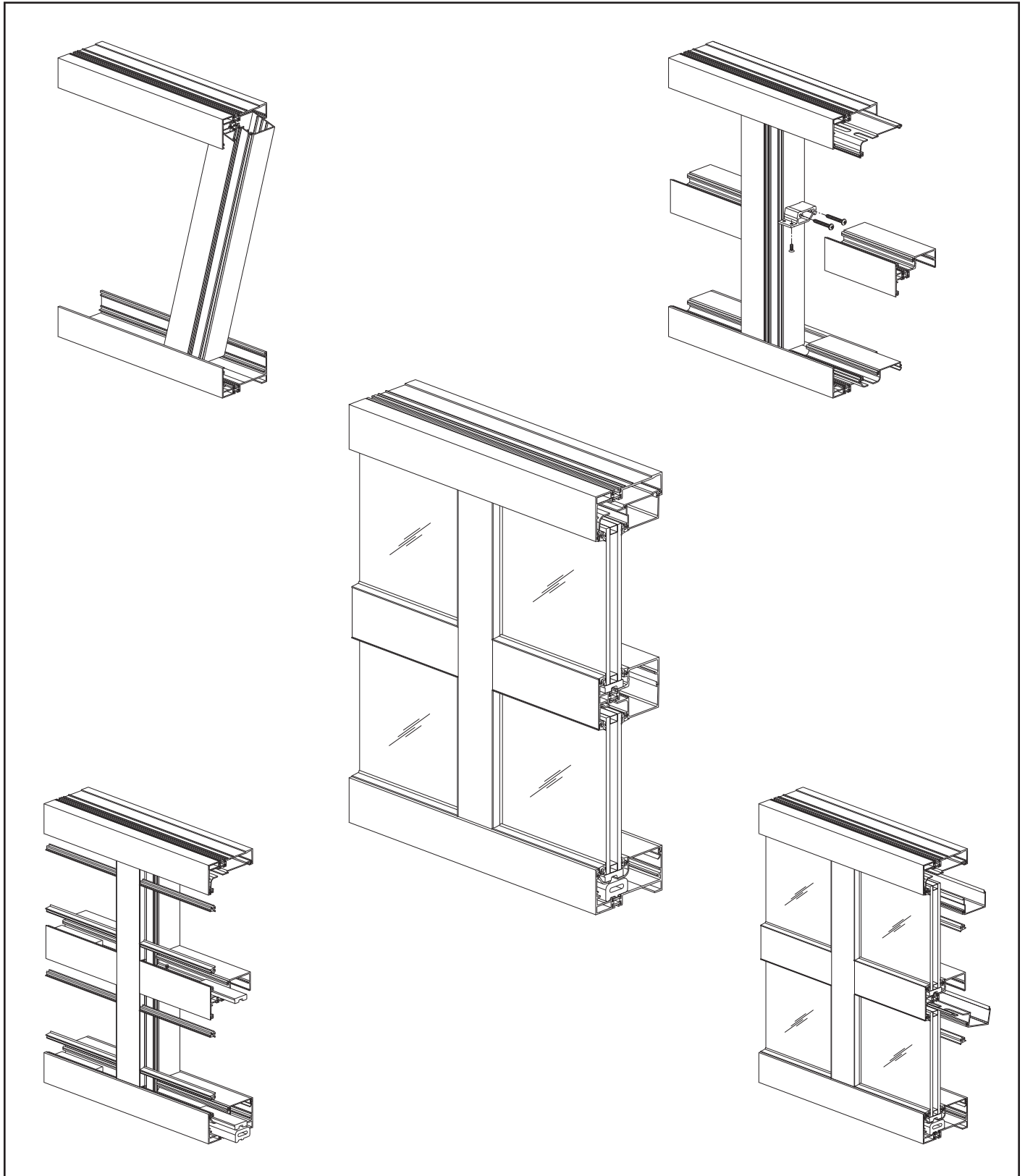


YCN 40 T Thermal Storefront Can System



Installation Manual

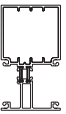
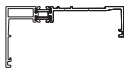
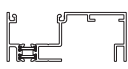
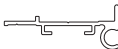
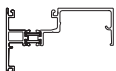
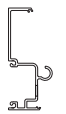
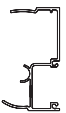
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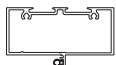
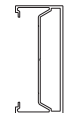
Installation Notes

1. Do not drop, roll or drag boxes of aluminum framing. Move and stack boxes with proper support to prevent distortion. If fork lifts are used be especially careful about striking the boxes when lifting or moving.
2. Store in a dry, out of the way area. If rain exposure, condensation or any water contact is likely, then all packaging material should be removed. Wet packaging materials will discolor and may stain aluminum finishes and paints.
3. All materials should be checked for quality and quantity upon receipt, YKK AP must be notified immediately of any discrepancies in shipment. Check to make sure that you have the required shims, sealants, supplies and tools necessary for the installation.
4. Carefully check the openings and surrounding conditions that will receive your material. Remember, if the construction is not per the construction documents, it is your responsibility to notify the general contractor in writing. Any discrepancies must be brought to the general contractor's attention before you proceed with the installation.
5. Gather your shop drawings, materials, packing list, and this installation manual. Carefully review parts location, the sequence it goes therein, when you glaze it and how you seal it. Installation instructions are of a general nature and may not cover every condition you will encounter. The shop drawings and/or installation manuals were prepared specifically for the product.
6. Any material substitutions must be of equal or greater quality.
7. Make certain that material samples have been sent for compatibility testing for all manufacturer's sealants involved. Make certain sealants have been installed in strict accordance with the manufacturer's recommendations and specifications.
8. Remember to isolate, in an approved manner, all aluminum from uncured masonry or other incompatible materials.
9. System-to-structure fasteners are not supplied by YKK AP. Fasteners called out on shop drawings are to indicate minimum sizes for design loading.
10. Entrances are to be installed plumb, square, level and true.
11. If any questions arise concerning YKK AP products or their installation, contact YKK AP for clarification before proceeding.
12. YKK AP storefront and/or curtain wall framing is typically completed before drywall, flooring and other products which may still be in process. Take the extra time to wrap and protect the work produced.
13. Cutting tolerances are plus zero (0"), minus one thirty second (-1/32") unless otherwise noted.
14. Check our website, www.ykkap.com, for the latest installation manual update prior to commencing work.

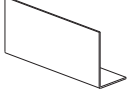
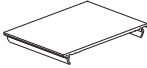
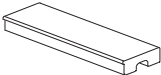
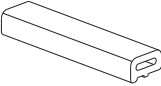
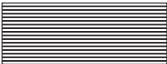
FRAMING MEMBERS

	Vertical	BE9-1441		Inside Hinged Mullion 165° to 177° Male	BE9-1449
	Head Receptor	BE9-1442		90° Inside/Outside Corner Mullion	BE9-1463
	Sill Receptor	BE9-1443		90° Inside/Outside Corner Filler	E9-1438
	Head Filler Use with BE9-1442	BE9-1444		90° Inside/Outside Corner Support Use with E9-1440	E9-1439
	Sill Filler Use with BE9-1443	BE9-1445		90° Inside/Outside Corner Support Use with E9-1439	E9-1440
	Glass Stop For BE9-1444 head filler	E9-1416		Glazing Adaptor For 5/8" & 3/4" Glazing	E9-1039
	Horizontal	BE9-1461		Glazing Adaptor For 3/16", 1/4", 5/16" & 3/8" Glazing	E9-1040
	Interior Glass Stop For BE9-1461 horizontal	BE9-1462		Pocket Filler Use with BE9-1441	BE9-2570
	Hinged Mullion Female	BE9-1447			
	Outside Hinged Mullion 167.5° to 176° Male	BE9-1448			

DOOR FRAMING MEMBERS

	Single Acting Transom Bar Elastomer Weathering E2-0051 Included	AS-0452		Transom Glass Stop For 1" Glazing	E9-0413
	Double Acting Transom Bar Pile Weathering E2-0062 Included	AS-0456		Transom Glazing Pocket For 1" Glazing	E9-0435
	Single Acting Door Jamb Elastomer Weathering E2-0051 Included	AS-0451		Door Stop O/P Assembly Elastomer Weathering E2-0051 Included	AS-0409
	Double Acting Door Jamb	E9-0453		Door Stop Base Used with AS-0409	E9-1113
	Head Member @ Transom	E9-1313		Sash Base Use with E9-0403 or E9-0413 Glass Stops	E9-0408
	Intermediate Door Jamb	E9-9311		Threshold 1/2" x 4"	E9-0407

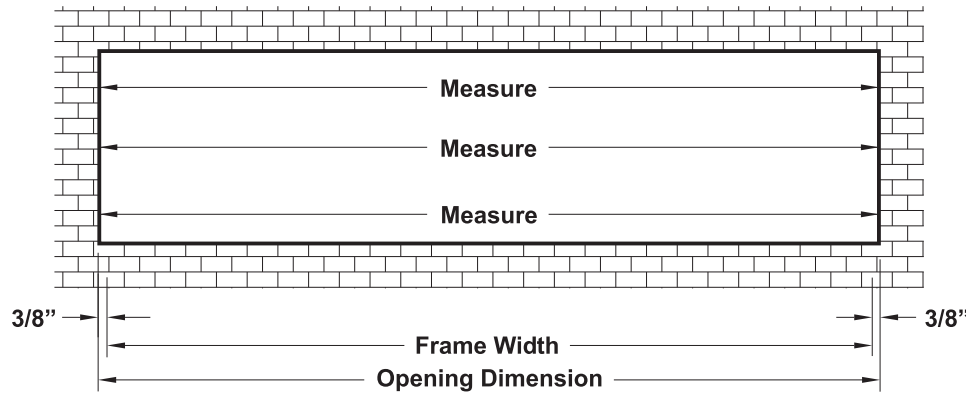
ACCESSORIES

	Shear Block For BE9-1461 Horizontal Use (2) PC-1228 & (2) FB-1008 Not Included	E1-1044		Glazing Gasket	E2-0053
	Anchor Clip For 90° Corner Mullions	E1-1005		Glazing Gasket	E2-0064
	End Dam For Head & Sill Receptor	E1-1019		Glazing Gasket	E2-0221
	Flat Filler Use at Door Jamb Conditions	E1-1054		Elastomer Weathering Use with Door Frame	E2-0051
	Setting Block	E2-0040		Pile Weathering Use with Door Frame	E2-0062
	Setting Block Support Use at Sill	E2-0237		#10 x 1/2" FHSMS Type B, Zinc Plated Steel For Attachment of Horizontal to Shear Block E1-1044	FB-1008
	Isolator Tape For 90° Inside Corner Assembly	E2-0286		#10 x 3/8" PHSMS Type AB, Zinc Plated Steel, For Attachment of Splice Sleeve to Receptor	PC-1006
	Water Deflector	E2-0047		#10 x 1/2" PHSMS Type AB, Zinc Plated Steel, For Attachment of Anchor Clip E1-1005	PC-1008
	Silicone Splice Sheet	E2-0070		#12 x 1/2" PHSMS Type AB, Zinc Plated Steel, For Attachment of Door Jamb Clip	PC-1208
	Steel Reinforcing 1-3/4" x 1-3/4" x 0.135" Steel Channel Use with BE9-1441	E1-0158		#12 x 1" PHSMS Type AB, Zinc Plated Steel, For Attachment of BE9-2570 Pocket Filler	PC-1216
	Steel Reinforcing 3/8" x 2" Steel Bar Use with BE9-1441	E1-0170		#12 x 1-3/4" PHSMS Type AB, Zinc Plated Steel For Attachment of Shear Block E1-1044 to Vertical	PC-1228
	Glazing Gasket	E2-0052			

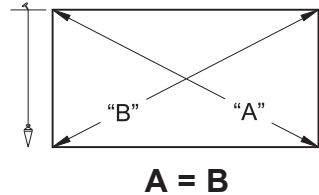
FRAME FABRICATION

STEP 1

FABRICATE HEAD & SILL RECEPTORS



Note: Check opening for squareness and plumb at both ends, units must be installed in a true rectangle.



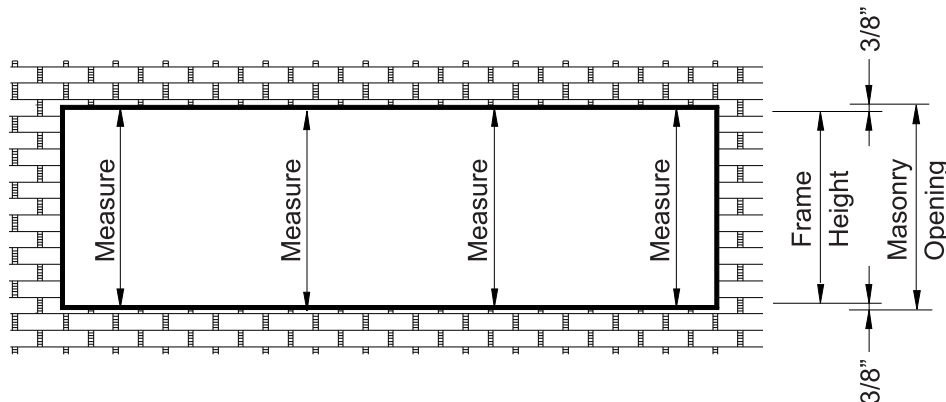
Detail 1

-Measure the width of the masonry opening at the top, middle, and bottom.
 -Select the smallest dimension measured and subtract 3/4" to determine frame width to be used.
 See **Detail 1**.

-Cut head and sill receptors to the frame width.

Note: Frame widths over 24'-0" require receptor splice joints every 12 to 15 feet (locations as indicated on the approved shop drawings).

Determine Frame Height:



Detail 2

-Measure the masonry opening height several times along the length of the opening to obtain the smallest vertical dimension.
 -Frame height equals the smallest vertical dimension minus(-) 3/4".
 (Allow 3/8" minimum caulk joint at both the head and the sill.)

See **Detail 2**.

FRAME FABRICATION

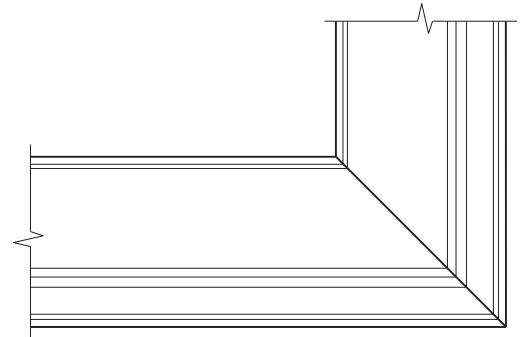
Step 1 (Continued)

FABRICATE HEAD & SILL RECEPTORS

Receptors at Corners:

If your project has corners, then the head and sill receptors are to be mitered. See **Detail 3**.

Note: 90° corner shown, other angles similar.



Detail 3

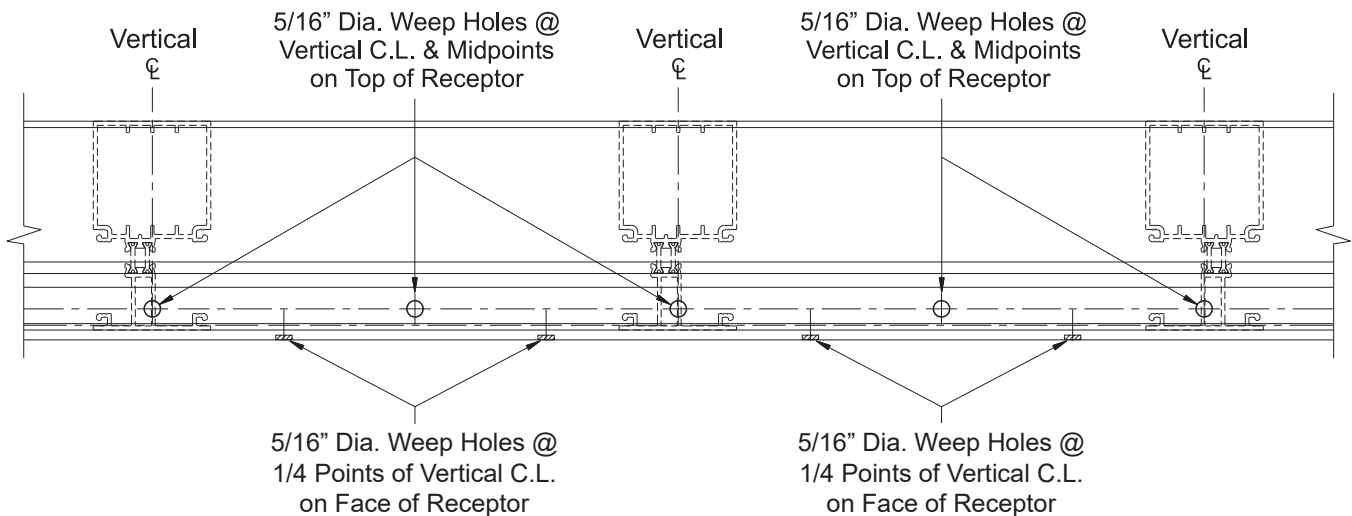
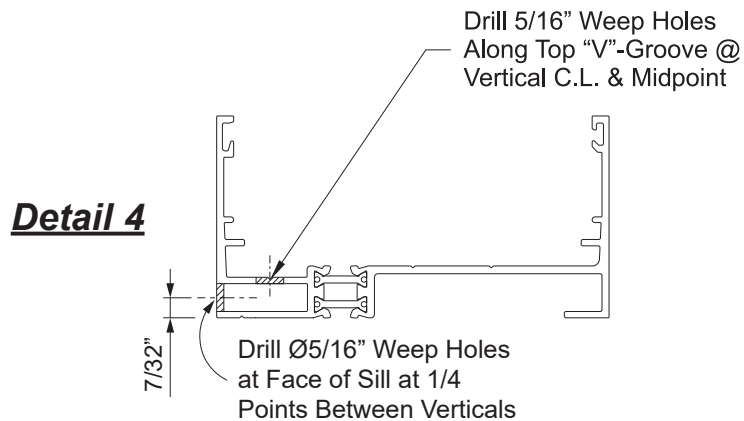
FRAME FABRICATION

STEP 2

WEEP HOLES IN SILL RECEPTOR

- Inside the sill receptor, mark the centerline of each vertical and the centerline between verticals along the "V"-Groove at the front of the receptor.
- Turn the sill receptor over and mark the quarter points between vertical mullions along the "V"-Groove on the face of the receptor.
- Drill 5/16" diameter weep holes at each location marked.

See **Details 4 & 5**.



Detail 5

FRAME FABRICATION

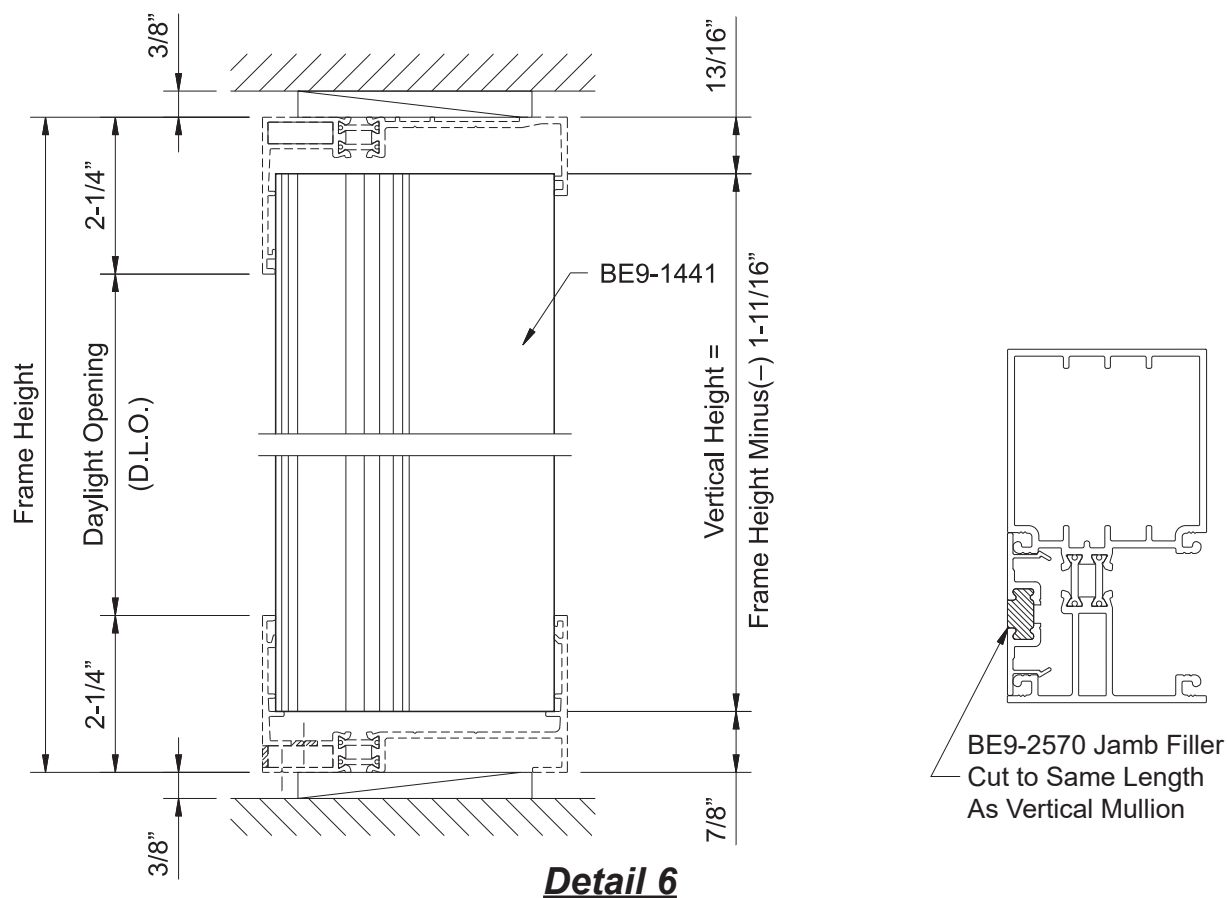
STEP 3

FABRICATE VERTICAL MULLIONS

Cut vertical mullions:

- Vertical and jamb members must be fabricated to fit into the head and sill receptors.
- Cut all vertical members to the Frame Height minus(-) 1-11/16".
- Cut the BE9-2570 jamb filler the same length as the vertical mullion.

See **Detail 6**.



FRAME FABRICATION

STEP 4

FABRICATE VERTICAL MULLIONS FOR SHEAR BLOCKS

Shear blocks, E1-1044, are required to attach horizontals to vertical and jamb members.

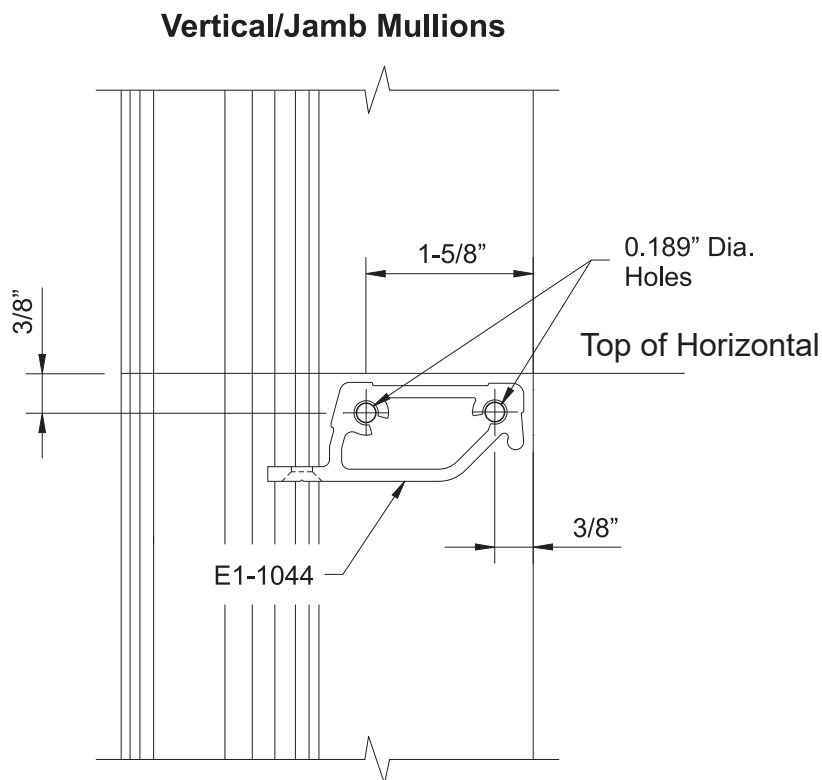
- Refer to shop drawings and mark a line on the side of the vertical at the top of each horizontal.
- Using a small piece of horizontal with a shear block attached as a template, align the glazing pockets and mark the hole locations for the shear block onto the vertical.
- Drill a 0.189" (#12) diameter hole at each location marked.

OR

- Locate the top of the horizontal, measure down 3/8" and draw a line across the side of the vertical using a small T-square.
- Mark the hole location for the back fastener 3/8" from the back of the mullion along the line.
- Mark the hole location for the front fastener 1-5/8" from the back of the mullion along the line.
- Use extreme care. The horizontal must be installed level.
- Drill a 0.189" (#12) diameter hole at each location marked.

- Attach horizontal shear blocks with two PC-1228 fasteners per block.

See **Detail 7**.



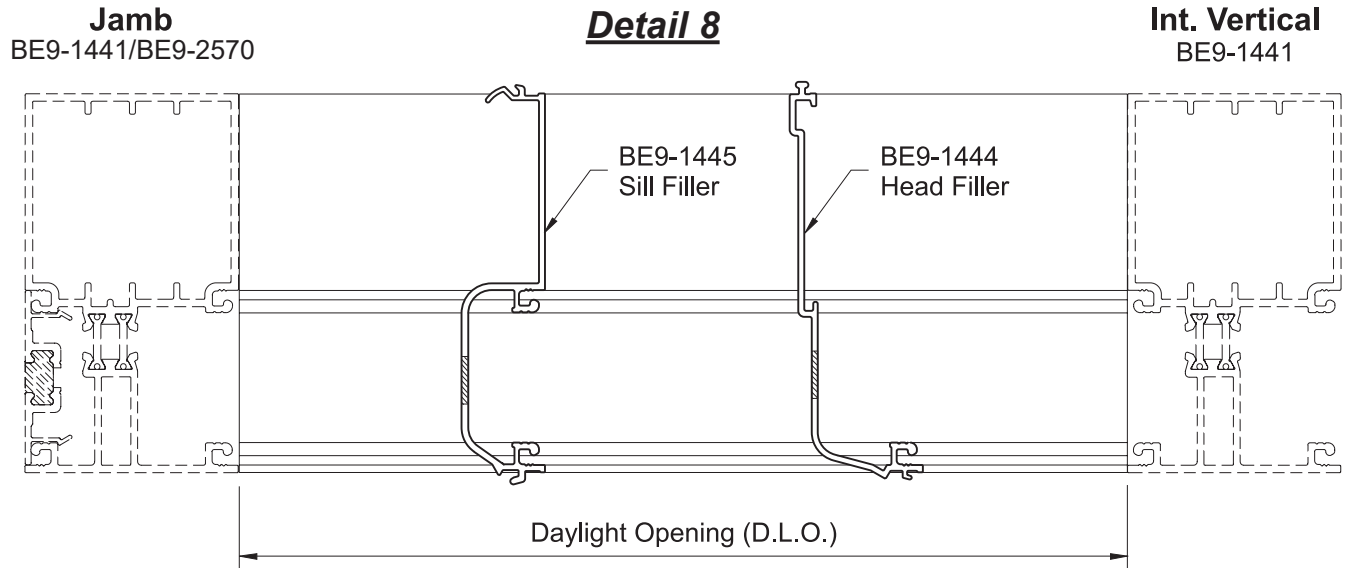
Detail 7

FRAME FABRICATION

STEP 5

FABRICATE HEAD & SILL FILLERS

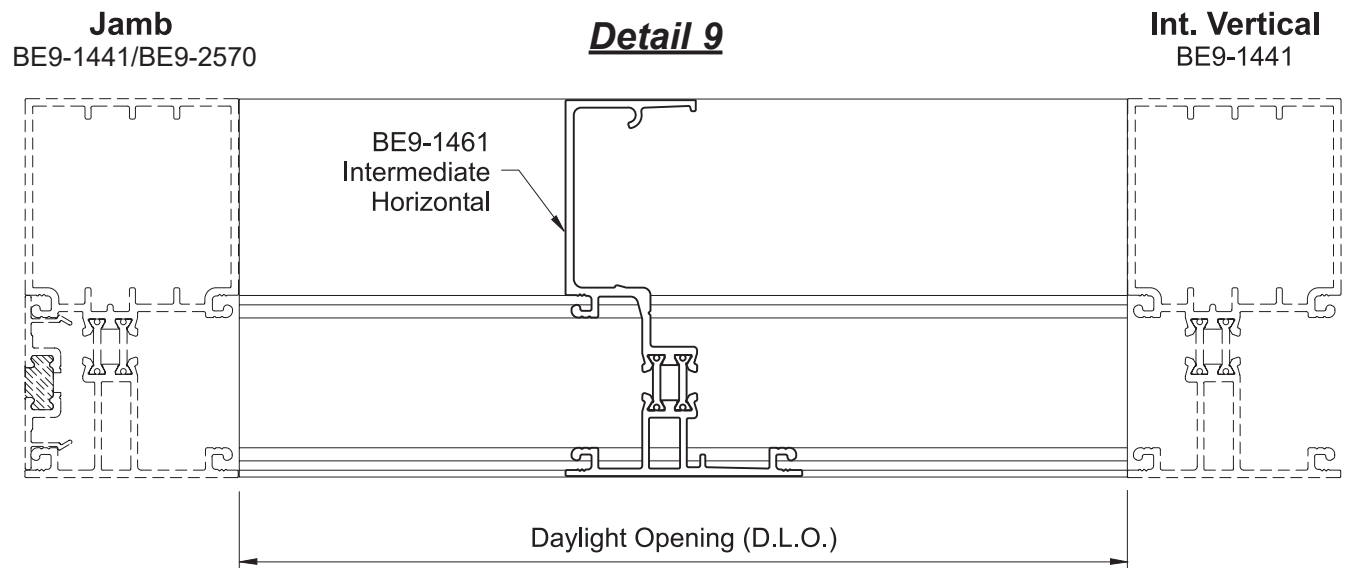
-Cut all head and sill fillers to the daylight opening dimension between vertical mullions.
(Tolerance plus 0", minus 1/32") See **Detail 8**.



STEP 6

FABRICATE INTERMEDIATE HORIZONTALS

-Cut intermediate horizontals to the daylight opening dimension between vertical mullions.
(Tolerance plus 0", minus 1/32") See **Detail 9**.



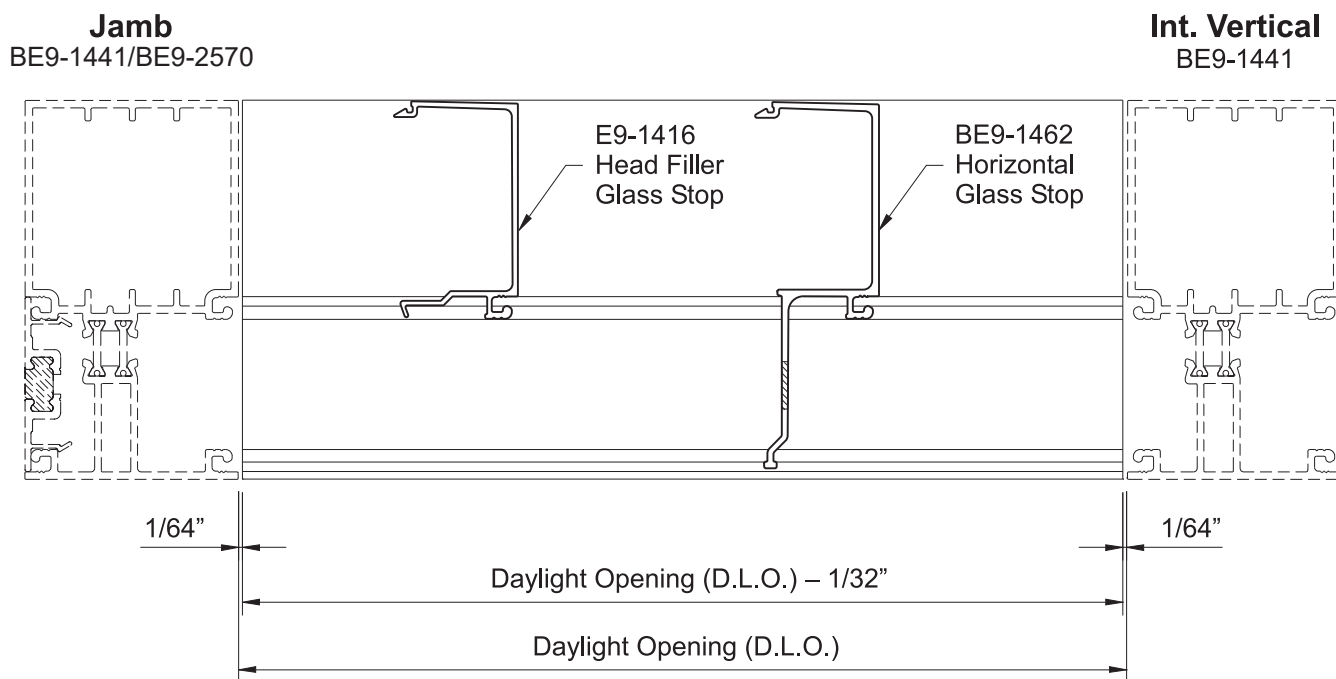
FRAME FABRICATION

STEP 7

FABRICATE INTERIOR GLASS STOPS & GLAZING ADAPTORS

-Cut interior glass stops, E9-1416 and BE9-1462, to the daylight opening dimension between vertical mullions minus(-) 1/32".

See **Detail 10**.



Detail 10

-Cut vertical glazing adaptors to the vertical Daylight Opening.

-Cut horizontal glazing adaptors to the horizontal daylight opening minus(-) 1/32".

FRAME INSTALLATION

STEP 8 INSTALL HEAD & SILL RECEPTOR END DAMS

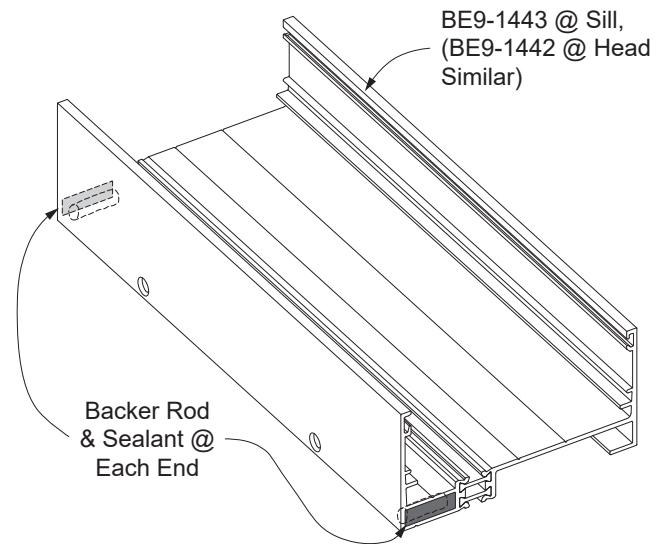
-Before installing head and sill receptors, insert a backer rod into the front chambers at each end of the receptors and fill with sealant.

See **Detail 11**.

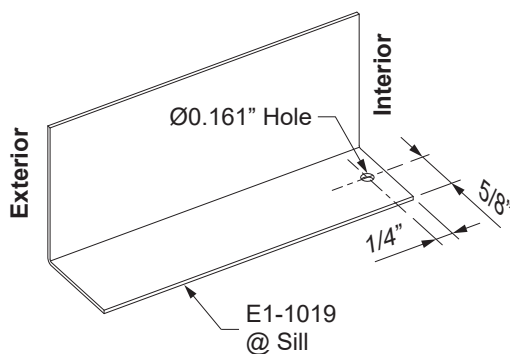
End dams are required at each end of head and sill receptors to provide a watertight installation.

All end dams need to be modified as shown in **Details 12 & 12A**.

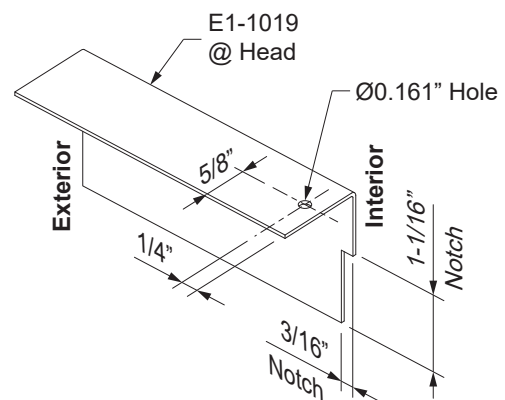
- Apply sealant to the end of the receptor.
- Center the end dam, E1-1019, with the end of the head and sill receptor.
- Drill a 0.161" (#20 bit) diameter hole through both end dams and receptor as shown.
- End dams at the head will require notching at the interior to clear the jamb as shown in **Detail 12A**.



Detail 11



Detail 12
Sill



Detail 12A
Head

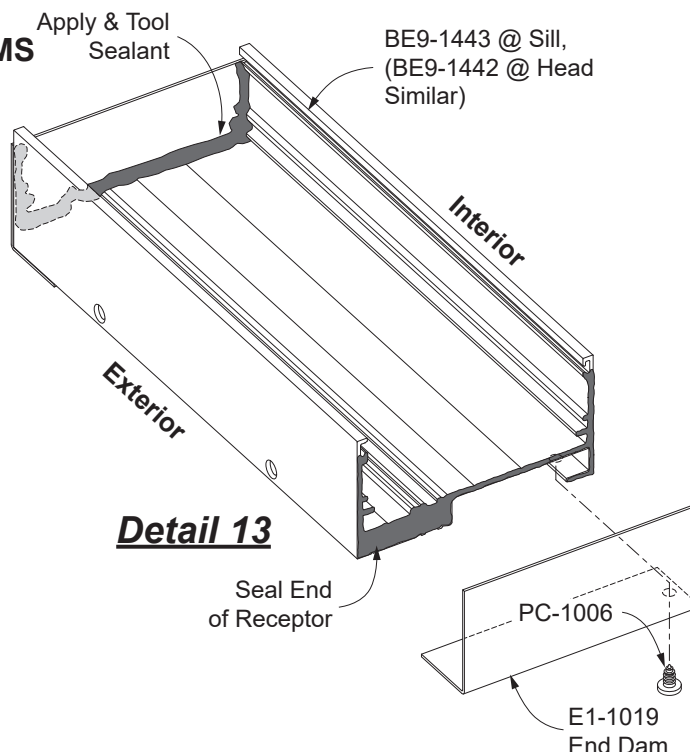
FRAME INSTALLATION

STEP 8

INSTALL HEAD & SILL RECEPTOR END DAMS

- Prior to installing the end dam at the jamb, apply sealant to the end of the receptor
- Fasten the end dam to the head & sill receptor at the interior side with a PC-1006 fastener.
- Apply and tool sealant between end dam and receptor to create a watertight joint.

See **Detail 13**.



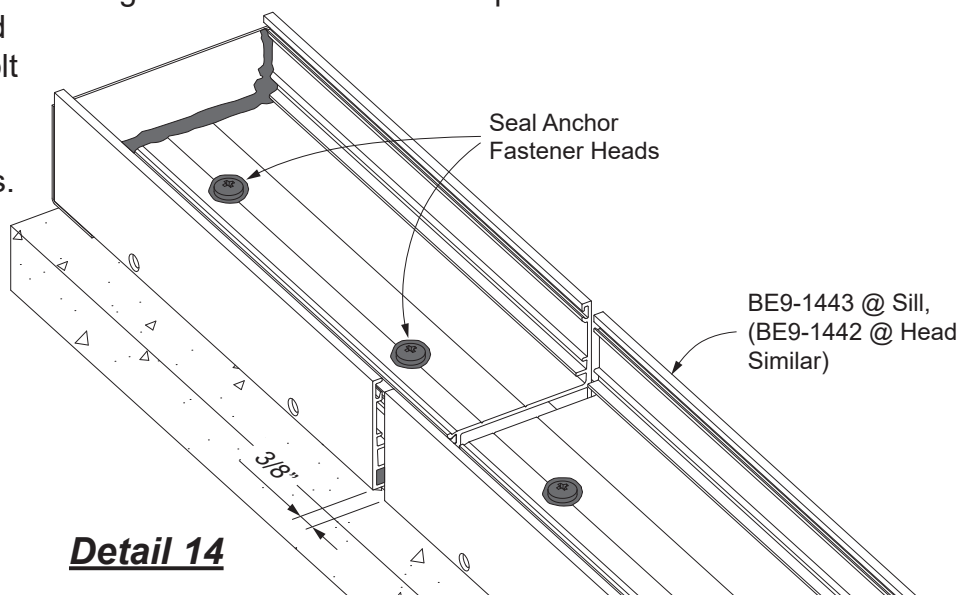
STEP 9

INSTALL HEAD & SILL RECEPTORS

- Using building control lines, locate inside face of head and sill receptors.
- Check the vertical opening height along the length of each opening and locate the smallest dimension. Begin installation at the smallest opening height with a minimum 3/8" shim between the masonry and the receptors.
- As anchoring proceeds, shim as necessary to keep receptors parallel and level.
- Locate anchors within 6" from each end of the receptor, within 6" of each side of vertical mullion centerline, and 24" on center maximum.
- Locate the approximate center of length of each individual receptor and drill a clear hole for anchor bolt. Check approved shop drawings for anchor bolt and clear hole size.

Do not drill larger clear holes.
See **Detail 14**.

- Seal all anchor heads and fasteners that penetrate the receptor.

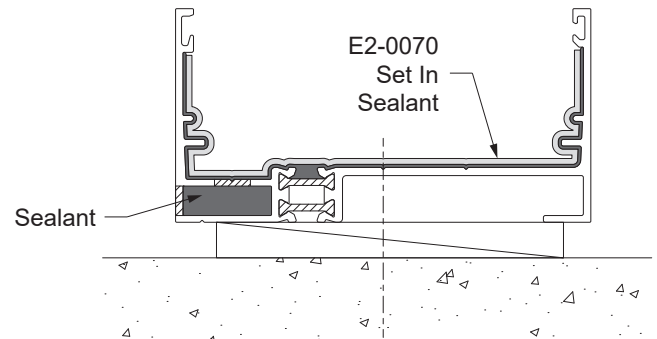


FRAME INSTALLATION

STEP 10

INSTALL HEAD & SILL RECEPTORS

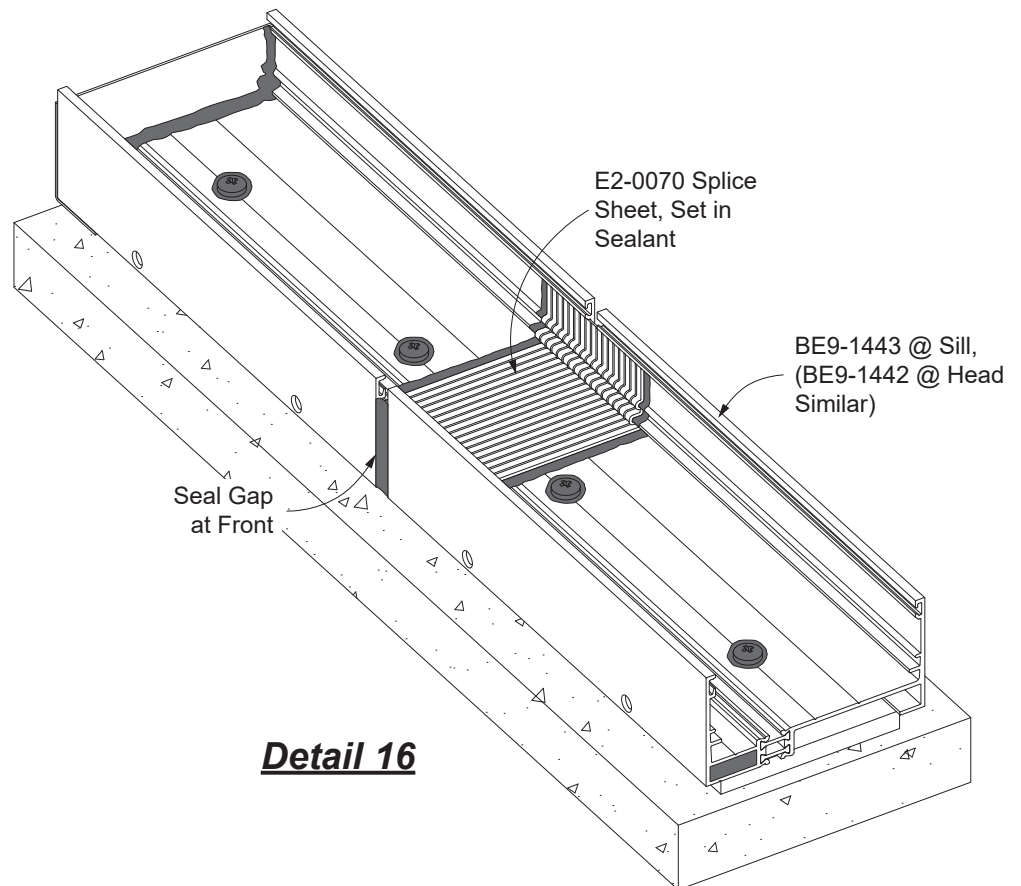
- The expansion joint gaps in the head and sill receptor must be bridged with E2-0070 splice sheets at the head at the sill.
- Locate 3/8" expansion/splice joints at center of daylight opening.
- Clean all sealant contact surfaces using cleaner approved by sealant manufacturer.
- Adhere the E2-0070 splice sheet with sealant to the receptor at the joint. Trim the sheet to fit.
- Apply pressure and tool the excess sealant over the edges of the splice sleeve.



Detail 15

Sill Receptor Shown,
Head Similar

See **Details 15 & 16**.



Detail 16

FRAME INSTALLATION

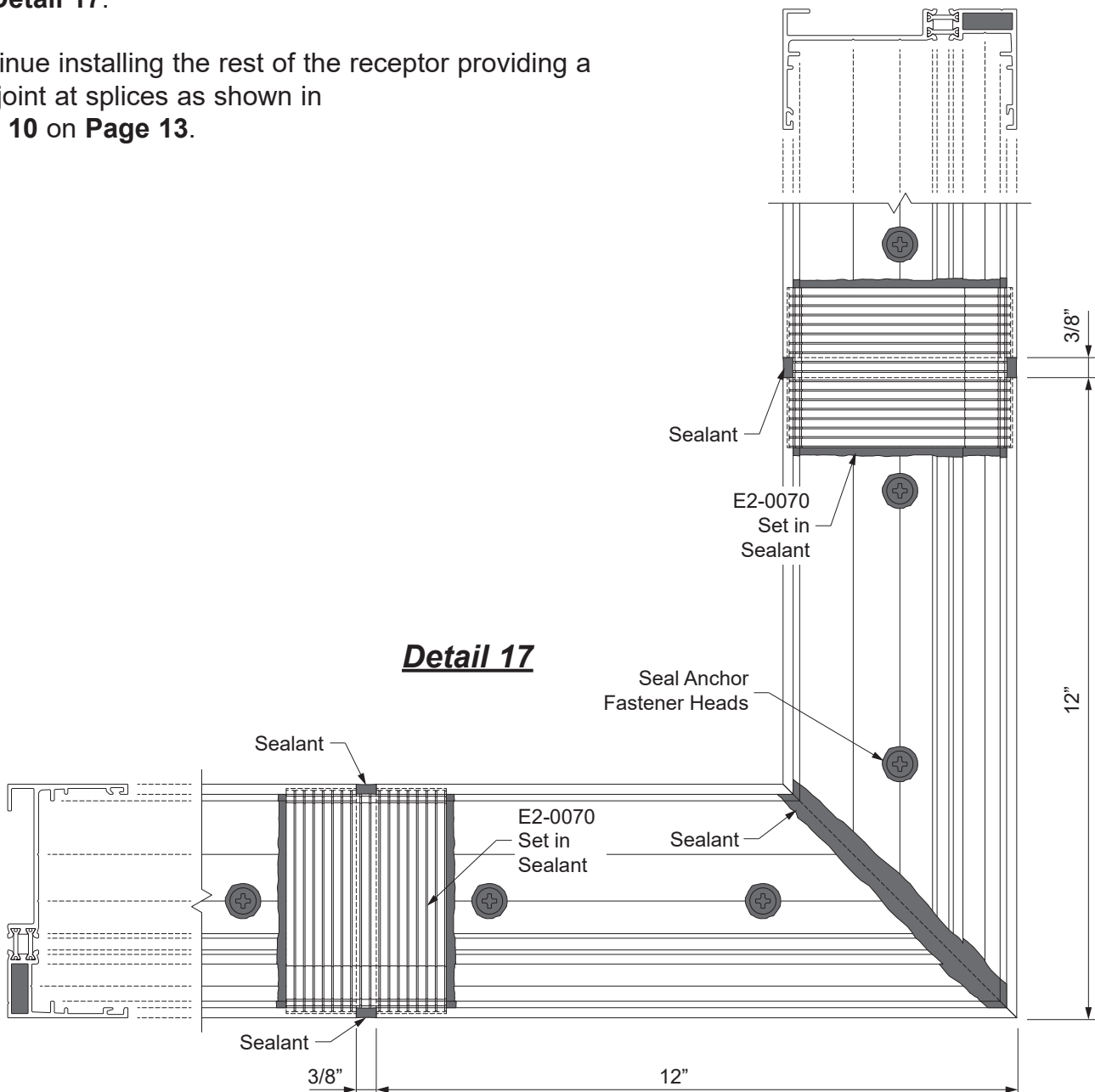
STEP 10A

INSTALL HEAD AND SILL RECEPTORS AT CORNERS

- Cut two 12" long pieces of head and sill receptor (BE9-1442 & BE9-1443) and miter (45° for 90° corners and 67.5° for 135° corners).
- Align the two pieces at the corner condition with the mitered ends pushed together tight and anchor the sill receptor as called out on shop drawings.
- Apply and tool sealant to the mitered joint and anchor heads.

See **Detail 17**.

- Continue installing the rest of the receptor providing a 3/8" joint at splices as shown in **Step 10** on **Page 13**.



FRAME INSTALLATION

STEP 11

INSTALL JAMB MULLIONS

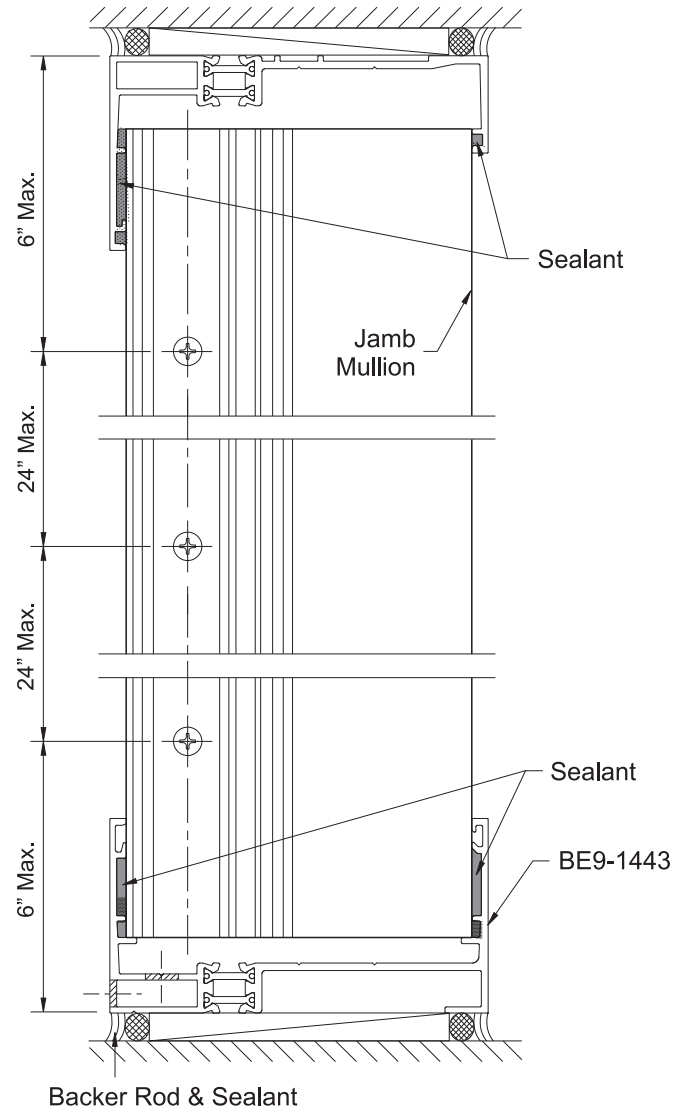
- Apply sealant to the interior walls of the head and sill receptor at the ends where the jambs are to be installed.
- Install the jamb into head and sill receptor. Slide the jamb toward end of receptor until contact is made with the end dam.
- Shim the jamb as required. Install anchors within 6" from each end and no more than 24" on center. Refer to approved shop drawings or P.E. calcs for anchor fastener requirements.
- Apply and tool sealant to the heads of all anchor fasteners.
- Seal the jamb to the receptors and structure. See **Details 18 & 19**.

STEP 12

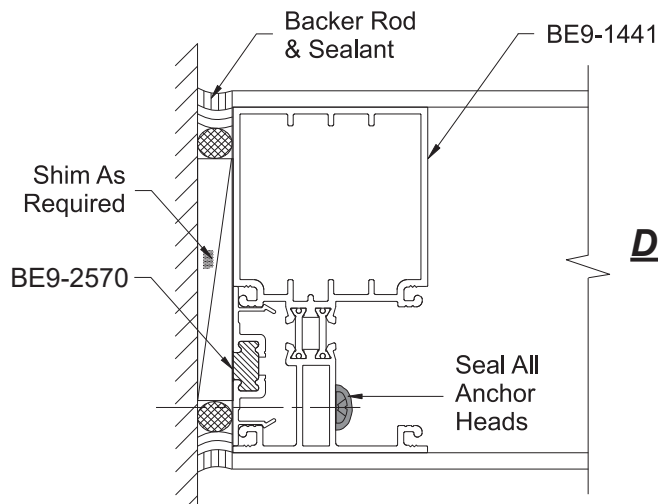
APPLY PERIMETER SEALANT

- Install backer rod around the exterior and interior perimeter of the frame.
- Apply perimeter sealant between the frame and the structure.

See **Detail 18 & 19**.



Detail 18



Detail 19

FRAME INSTALLATION

STEP 13

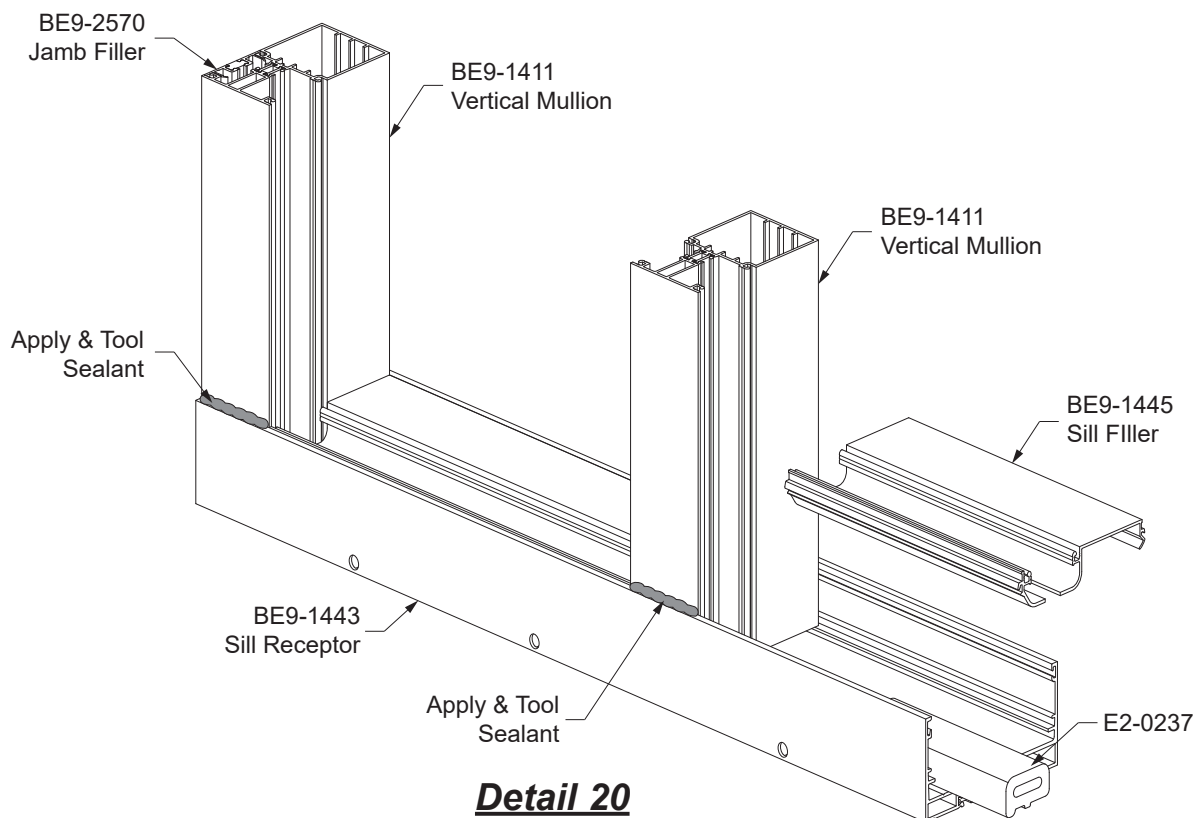
INSTALL VERTICAL MULLIONS

Once the jamb is anchored and sealed, proceed with the installation of the intermediate vertical mullions.

- Prior to snapping in any sill fillers, install setting block supports, E2-0237, along the sill receptor at quarter points of daylight opening between verticals.
- Snap in the first sill filler, BE9-1445, and slide it tight against the jamb mullion.
- Snap in the first head filler, BE9-1444, and slide it tight against the jamb mullion.
- Stand the first vertical up into the head and sill receptors making sure that it is installed plumb and square.
- Snap in the next sill and head fillers and slide it tight against the vertical mullion.
- Install the rest of the verticals, sill fillers, and head fillers using the same technique described above. Install verticals so that each opening has a minimum of one deep pocket. All verticals must be installed plumb and square.
- Apply and tool sealant to the intersection of all verticals to the head and sill receptors.

See **Detail 20**.

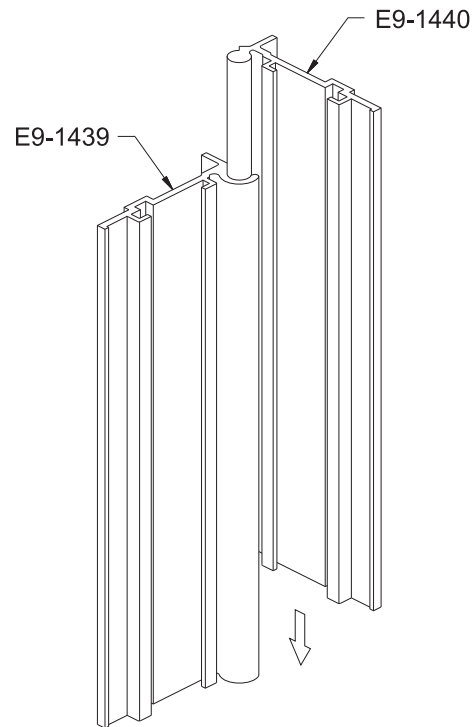
- Caution:**
- 1) Periodically check mullion to mullion dimension to avoid accumulating dimensional error.
 - 2) Install verticals so that each lite of glass has a minimum of one deep glazing pocket.



FRAME INSTALLATION

STEP 14 INSTALL CORNER MULLIONS

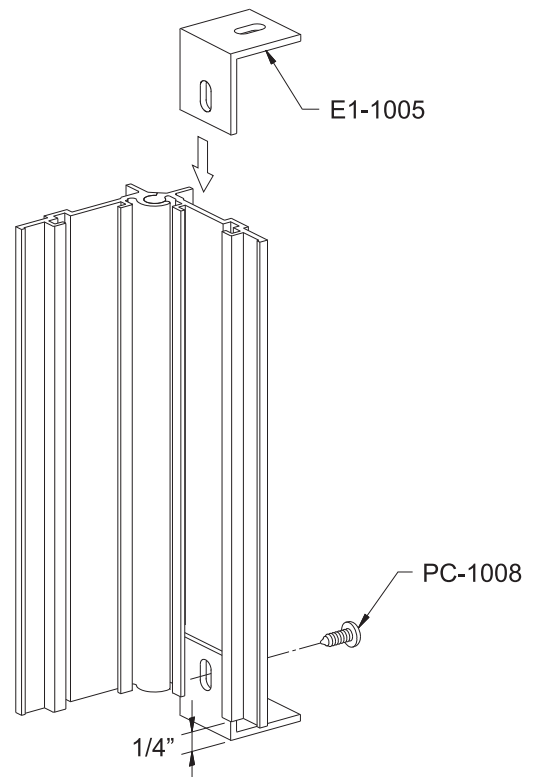
- Prior to installing the head and sill fillers adjacent to the corner mullion, cut E9-1439 and E9-1440 (pivot frame mounting assembly) to the same length as the vertical mullions.
- Slide the two pieces together as shown in **Detail 21**.



Detail 21

- Install anchor clip, E1-1005, at the bottom of E9-1440. Allow the clip to extend 1/4" past the bottom of the corner assembly and fasten with one PC-1008 fastener.
 - Install anchor clip, E1-1005, at the top of E9-1440, but do not fasten.
- See **Detail 22**.

- Before installing any corner assemblies into the receptors, determine the end reactions per approved shop drawings and engineering calculations.
- If end reactions exceeds 400 lbs., anchor clips E1-1005 must be installed at both ends of E9-1439 as done on E9-1440.

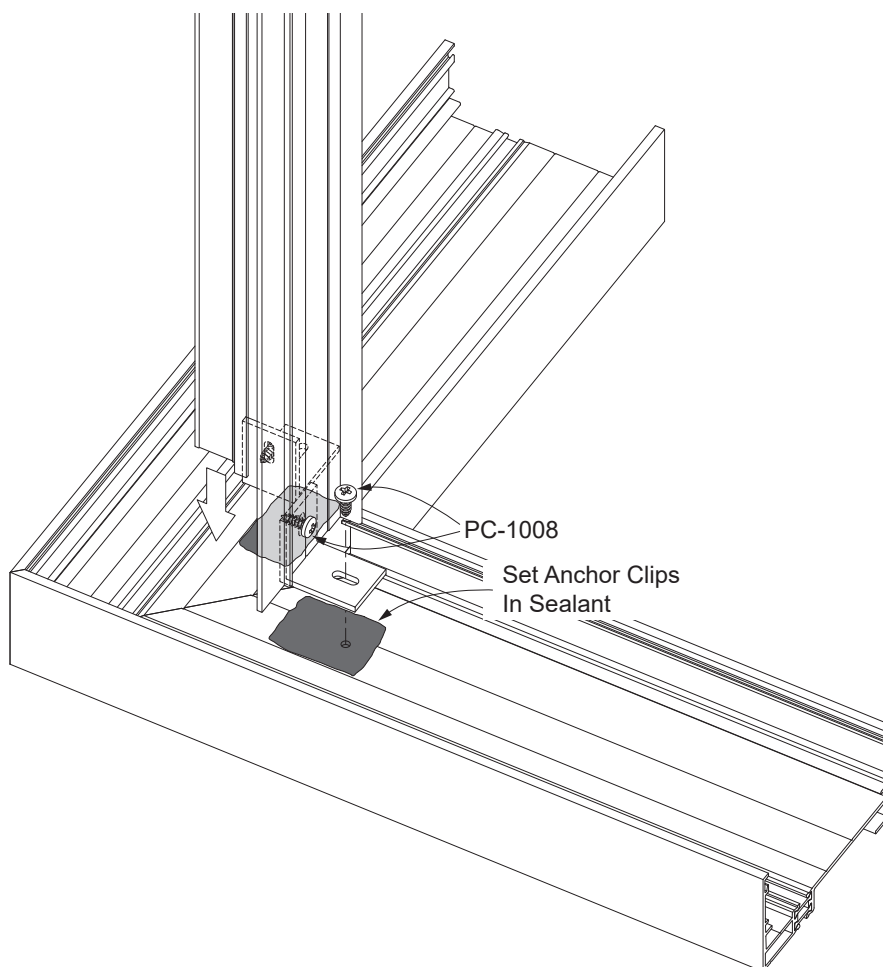


Detail 22

FRAME INSTALLATION**STEP 14 (Continued)****INSTALL CORNER MULLIONS**

- Prior to attaching the anchor clips to the head and sill receptor, apply sealant to where the clips are to be attached.
- Set the pivot frame mounting assembly into the head and sill receptors.
- Attach the anchor clips, E1-1005 on the E9-1439 side of the mounting assembly, to the sill and head receptor with one PC-1008 fastener. Do not fasten top anchor clip to E9-1439
- Apply and tool sealant to the screw head and around the base of the anchor clip.

See **Detail 23** .

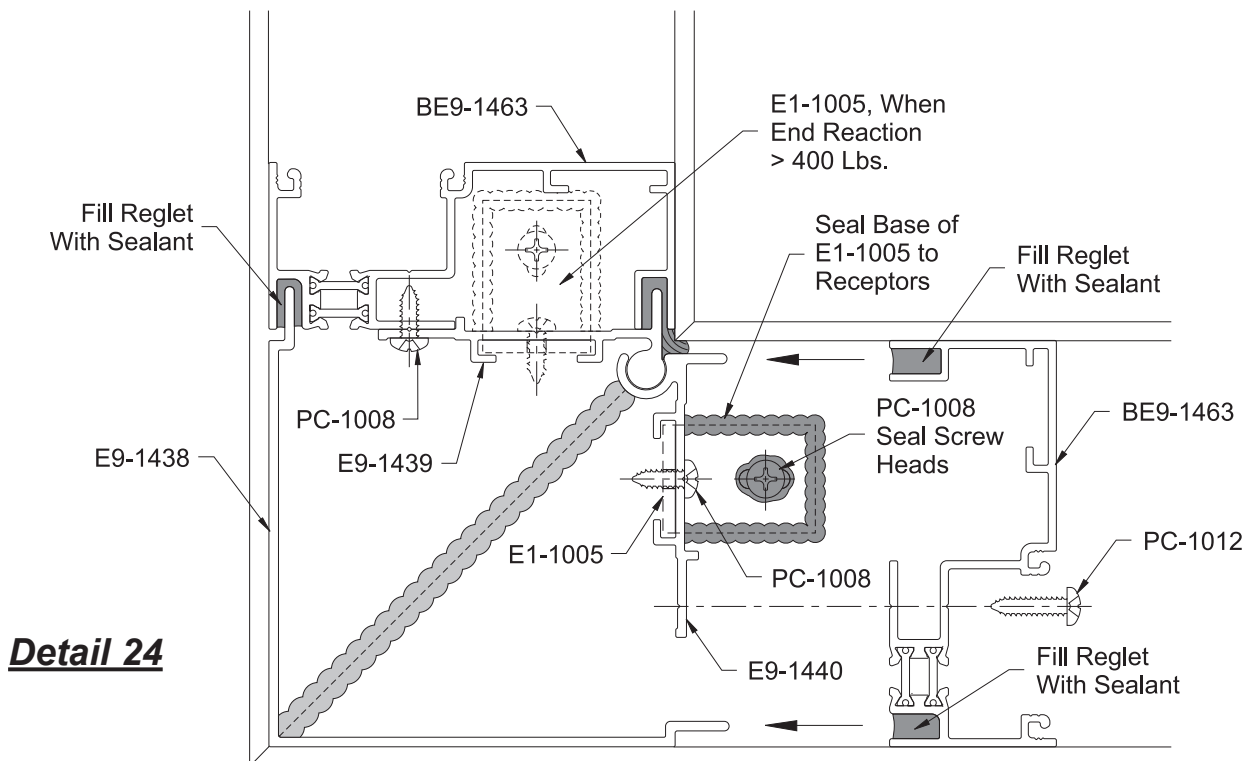


Detail 23

FRAME INSTALLATION

STEP 14 (Continued) INSTALL CORNER MULLIONS

- Fill the front and back reglets of BE9-1463 with silicone sealant.
 - Install corner mullion, BE9-1463, onto the E9-1439 side of the pivot frame mounting assembly with PC-1008 fasteners 3" from each end and no more than 24" on center.
 - Install the corner filler into the head and sill receptors by engaging E9-1438 into the front reglet of BE9-1463.
 - Attach the anchor clips, E1-1005 on the E9-1440 side of the mounting assembly, to the sill and head receptor with one PC-1008 fastener. Do not fasten top anchor clip to E9-1440.
 - Apply and tool sealant to the screw head and around the base of the anchor clip.
 - Fill the reglets of the last corner mullion, BE9-1463, with sealant and install it into the head and sill receptors. Engage E9-1438 into the front reglet and E9-1440 into the back reglet.
 - Fasten BE9-1463 to E9-1440 with PC-1012 fasteners 3" from each end and no more than 24" on center.
- See **Detail 24**.
- Continue to install the rest of the verticals, sill fillers, and head fillers.

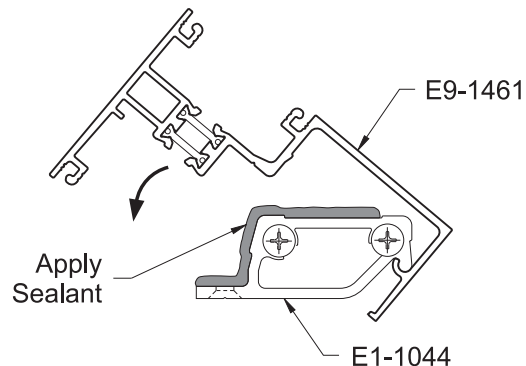


FRAME INSTALLATION

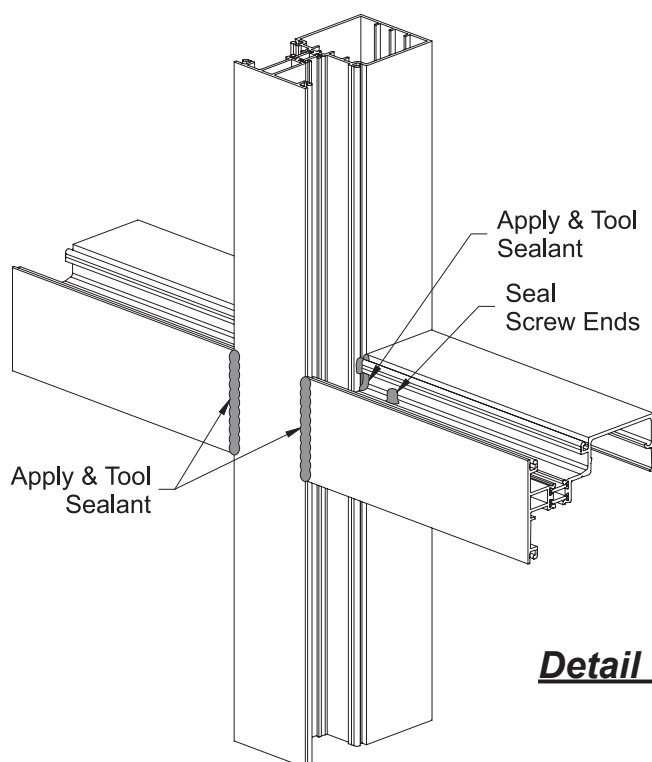
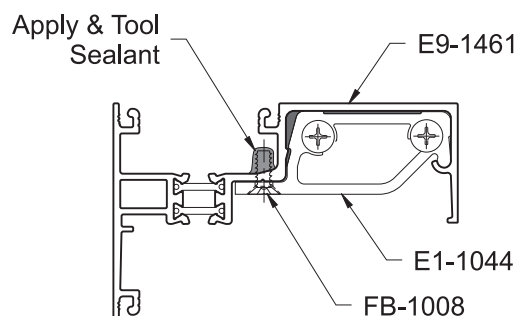
STEP 15

INSTALL INTERMEDIATE HORIZONTALS

- Once all of the verticals have been installed, apply a bead of sealant along the top of the shear block, E1-1044, where it meets the vertical.
 - Immediately after applying the sealant, rotate the horizontal onto the shear block making sure that the horizontal glazing pocket is aligned with the vertical glazing pocket. Take care to ensure there are no voids between the shear block and the horizontal. See **Detail 25**.
 - The shear block already has two countersunk holes drilled in the underside of the leg that extends under the glazing pocket. Using the farthest hole from the vertical mullion, match drill a 0.161" (#20) diameter hole at each end of the horizontal.
 - Attach the horizontal to the shear block using one FB-1008 fastener at each end.
 - Tool the sealant into the vertical and horizontal mullion joint and wipe away any excess sealant.
 - Seal the ends of the fasteners that penetrate the glazing pocket of the horizontal.
- See **Detail 26**.



Detail 25



Detail 26

All intermediate horizontal to vertical joints must be sealed.

- Apply and tool sealant to the horizontal to vertical joint along the inside wall of the glazing pocket and to the exterior horizontal to vertical joint.
- See **Detail 26**.

FRAME INSTALLATION

STEP 16 INSTALL WATER DEFLECTORS

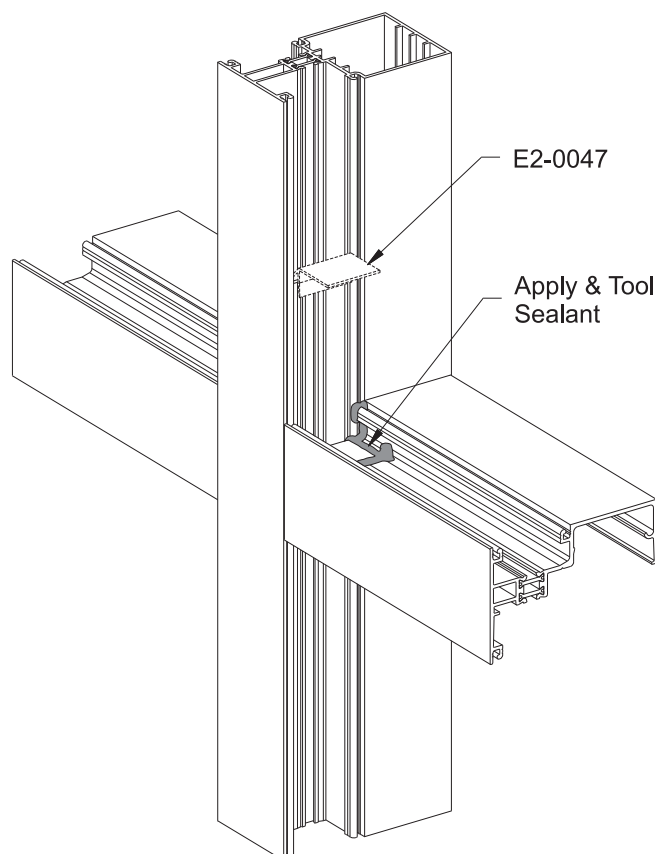
YCN 40 T requires the installation of a water deflector, E2-0047, at both ends of every intermediate horizontal.

- Peel away the protective paper from the bottom of the water deflector, E2-0047, and install the water deflector by rotating it over each end of the horizontal.
- Position the vertical leg of the water deflector against the end of the horizontal.

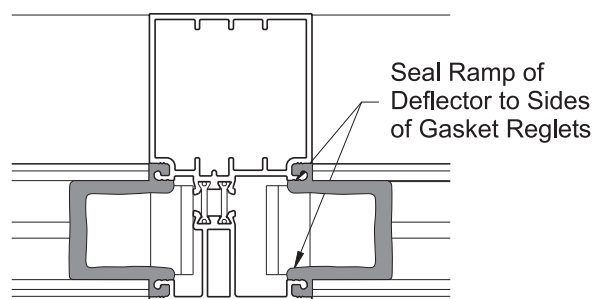
Note: For best adhesion, make sure that the horizontal is clean and dry.

- Apply and tool sealant along the edges of the water deflector, down onto the horizontal, and up the vertical.
- Seal the ramp of the water deflector to the sides of the vertical gasket reglets.

See **Detail 27**.



Detail 27



GLAZING

STEP 17 (Optional) INSTALL GLAZING ADAPTORS

Please refer to the glazing table to the right for possible adaptor/gasket combinations.

Note: Before installing glazing adaptors, first install setting blocks into the horizontal glazing pocket as shown on **Step 19, Page 24**.

-Apply sealant to the glazing reglet of the vertical mullion 1" from the bottom of the vertical D.L.O. to keep the vertical adaptor from sliding down. See **Detail 28**.

-Snap glazing adaptors into the interior gasket reglets of the verticals.

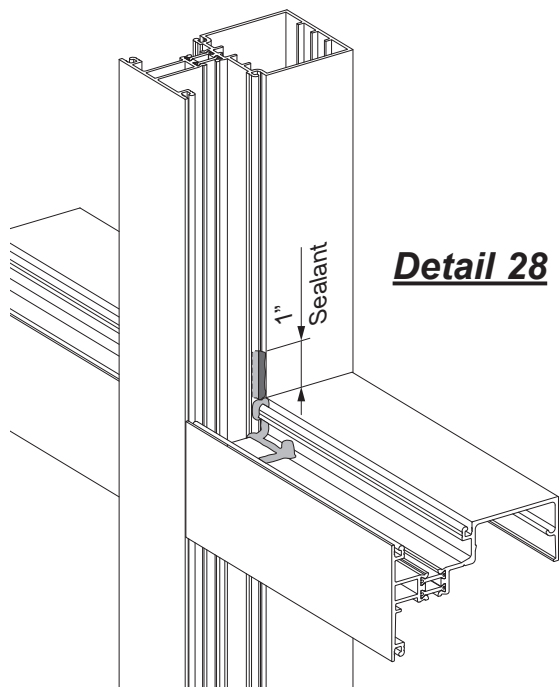
-Snap glazing adaptors into the interior gasket reglets of the horizontals.

-Apply and tool sealant to the joint between vertical and horizontal glazing adaptors.

See **Detail 29**.

Glazing Table: YCN 40 T

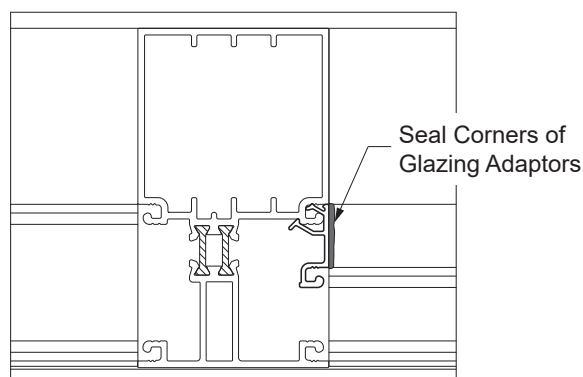
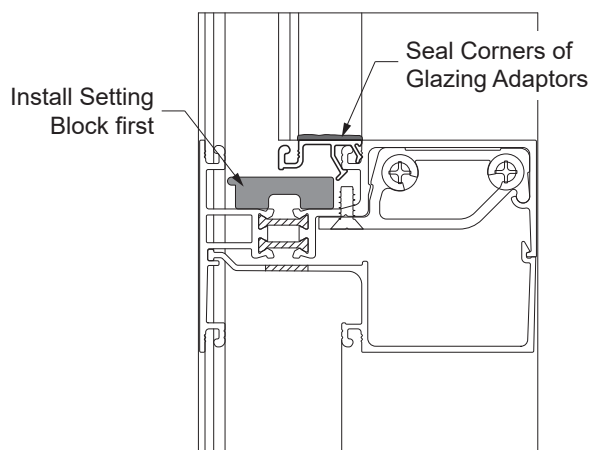
Glass Thickness	Adaptor	Exterior Gasket	Interior Gasket
3/16"	E9-1040	E2-0052	E2-0064
1/4"	E9-1040	E2-0052	E2-0052
5/16"	E9-1040	E2-0053	E2-0052
3/8"	E9-1040	E2-0053	E2-0053
1/2"	E9-1039	E2-0064	E2-0064
5/8"	E9-1039	E2-0052	E2-0052
3/4"	E9-1039	E2-0053	E2-0053
7/8"	-	E2-0064	E2-0064
1"	-	E2-0052	E2-0052



E9-1039



E9-1040



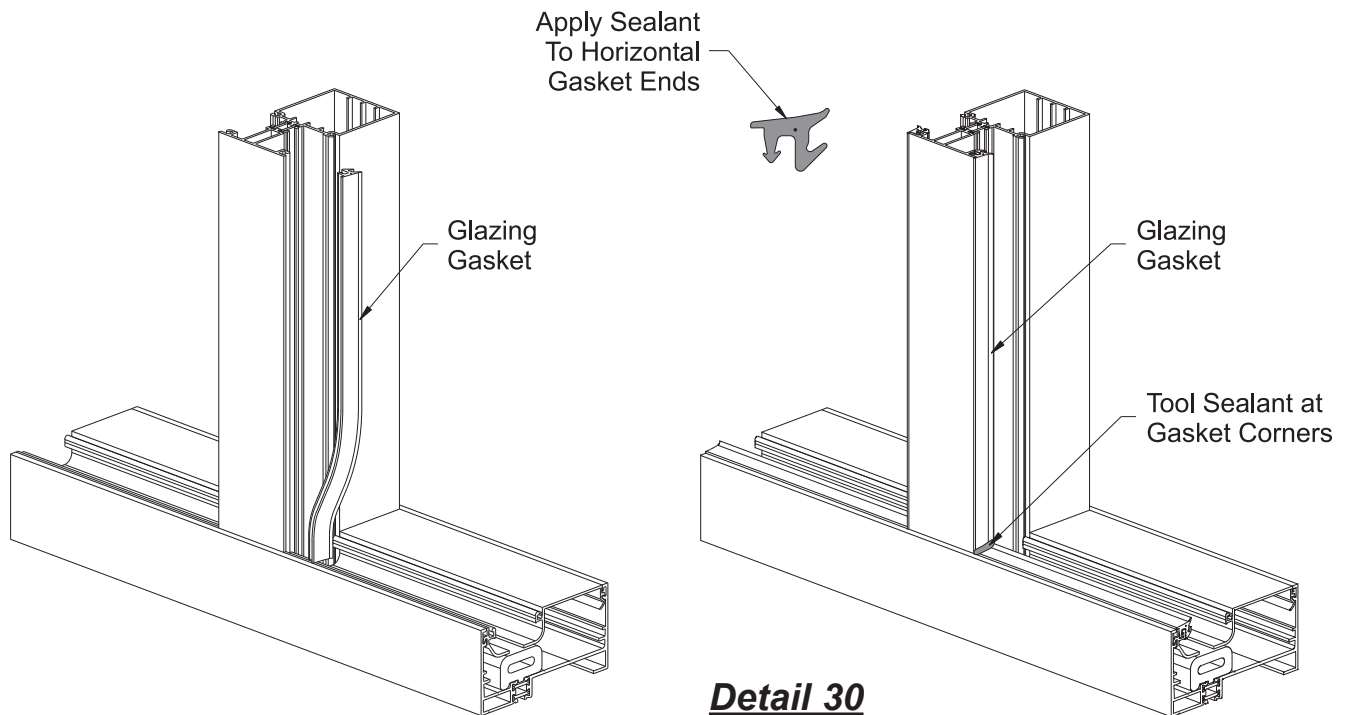
Detail 29

GLAZING

STEP 18 INSTALL GLAZING GASKETS

The exterior glazing gaskets must be installed prior to beginning the glazing process.

- Using a small brush clean out any dirt that may have accumulated in the gasket reglets.
- Install the vertical glazing gaskets first:
 - Cut vertical glazing gaskets to the Daylight Opening plus(+) 3/16" for each foot of length.
 - Insert the gasket into the reglets at each end first; then insert the gasket into the midpoint of the opening.
 - Push the gasket into the reglet starting at the midpoint and work towards each end.



- Install horizontal glazing gaskets next:
 - Cut horizontal glazing gaskets to Daylight Opening plus(+) 3/16" for each foot of length.
 - Apply sealant to each end of the horizontal glazing gasket and insert the gasket into the reglet at each end first.
 - Then insert the gasket at the midpoint of the opening and push the gasket into the reglet starting at the midpoint and work towards each end.
 - Tool the excess sealant at the gasket corners to ensure a watertight seal.

See **Detail 30**.

GLAZING

**STEP 19
INSTALL GLASS**

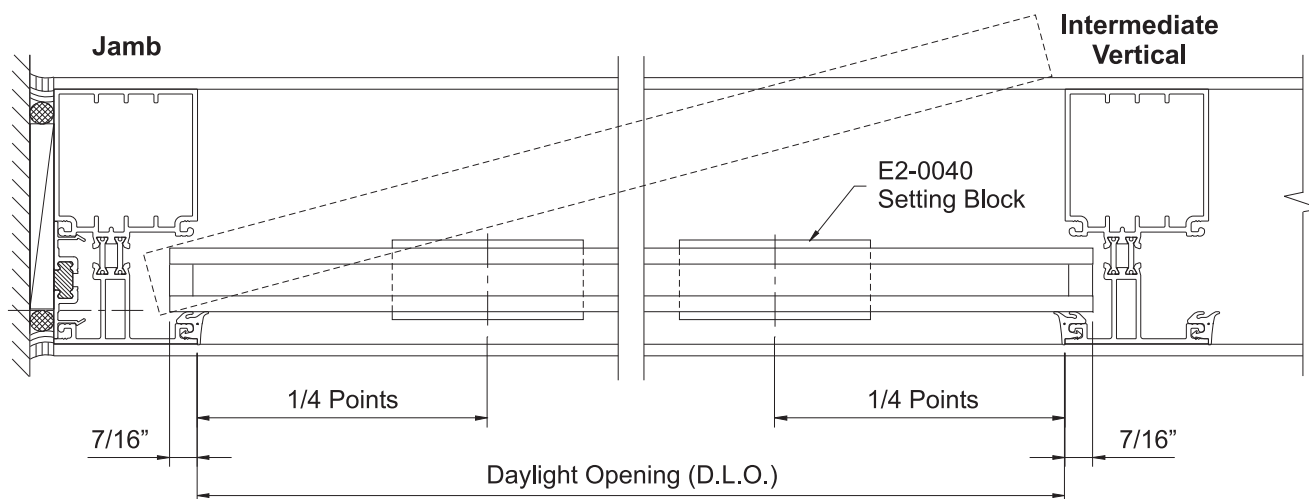
-Determine the glass size:

GLASS SIZES

Horizontal Glass Size = D.L.O. plus(+) 7/8"

Vertical Glass Size = D.L.O. plus(+) 7/8"

- Clean the sill receptor of debris to clear weep holes.
 - Install setting blocks at 1/4 points of horizontal D.L.O. or according to engineering calculations.
 - Begin installation of glass at one end and work towards the opposite end. To clear the opening width, insert one end of the glass into the vertical deep pocket, rotate the glass into the opening, and slide the glass towards the shallow pocket to maintain the 7/16" glass bite.
 - Use a short piece of glazing gasket installed on the sides of the verticals to temporarily secure the glass.
 - Continue glass installation until all units are in place.
- See **Detail 31**.



Detail 31

GLAZING

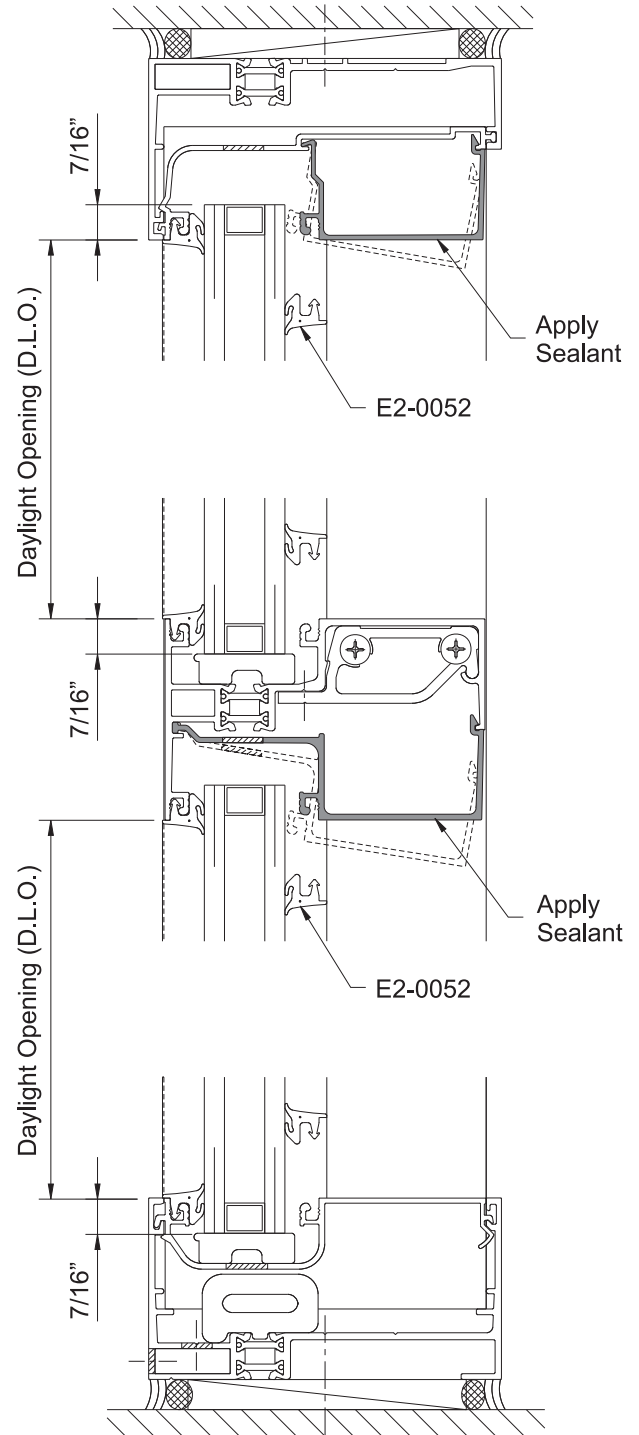
STEP 20 INSTALL INTERIOR GLASS STOPS

- Apply sealant to each end of the glass stops and snap them into position.
- Tool the sealant into the joint between the glass stop and the vertical to ensure a watertight seal and wipe away any excess sealant.

See **Detail 32**.

- Cut interior vertical and horizontal glazing gaskets to the same dimension as described in **Step 18**.
- Remove the temporary gaskets as you work.
- Install the interior vertical and horizontal glazing gaskets using the same technique described in **Step 18** on **Page 23**.

Note: Always install vertical glazing gaskets first.



Detail 32

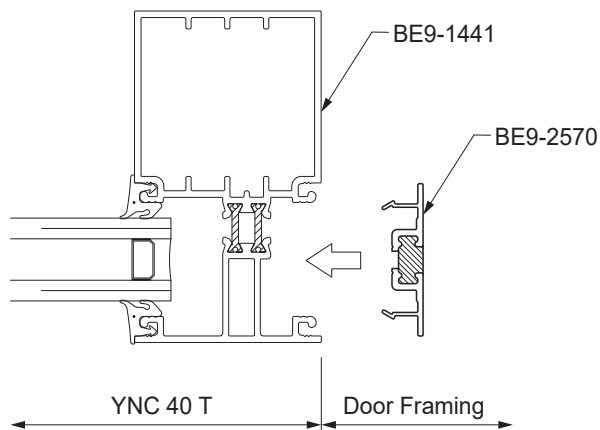
DOOR FRAME ATTACHMENT

STEP 21 INSTALL DOOR FRAMES

Note: The glass on the YCN 40 T side of a door jamb is always glazed into the deep glazing pocket of the BE9-1441 mullion.

-Insert a BE9-2570 pocket filler, full length of the door height, into the shallow glazing pocket of the door jamb mullion. Secure the filler with PC-1216 fasteners at 3" from each end and at 18" maximum on center or per engineering calculations.

See **Detail 33**.

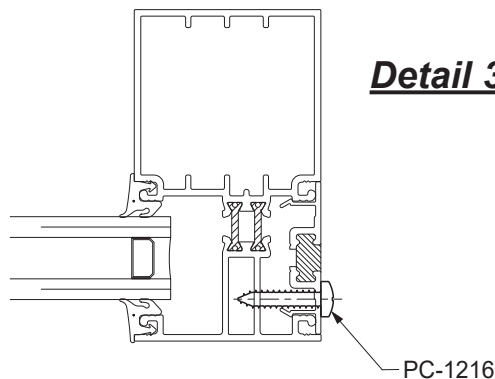


-Attach the door framing to the door jamb mullion using PC-1240 fasteners at 3" from each end and at 18" maximum on center or per engineering calculations. Ensure a 1/4" shim space between the door framing and the YCN 40 T framing.

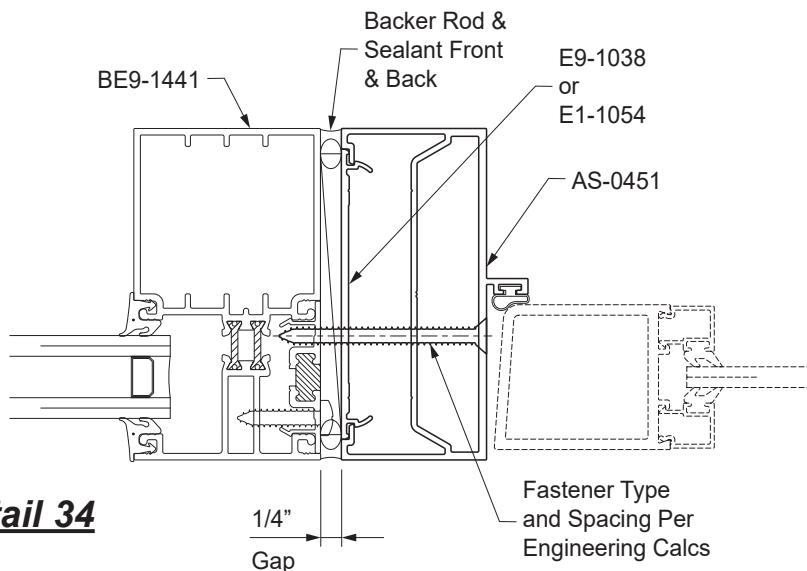
See **Detail 34**.

Note: The transom glazing will be center set.

Detail 33



Detail 34





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