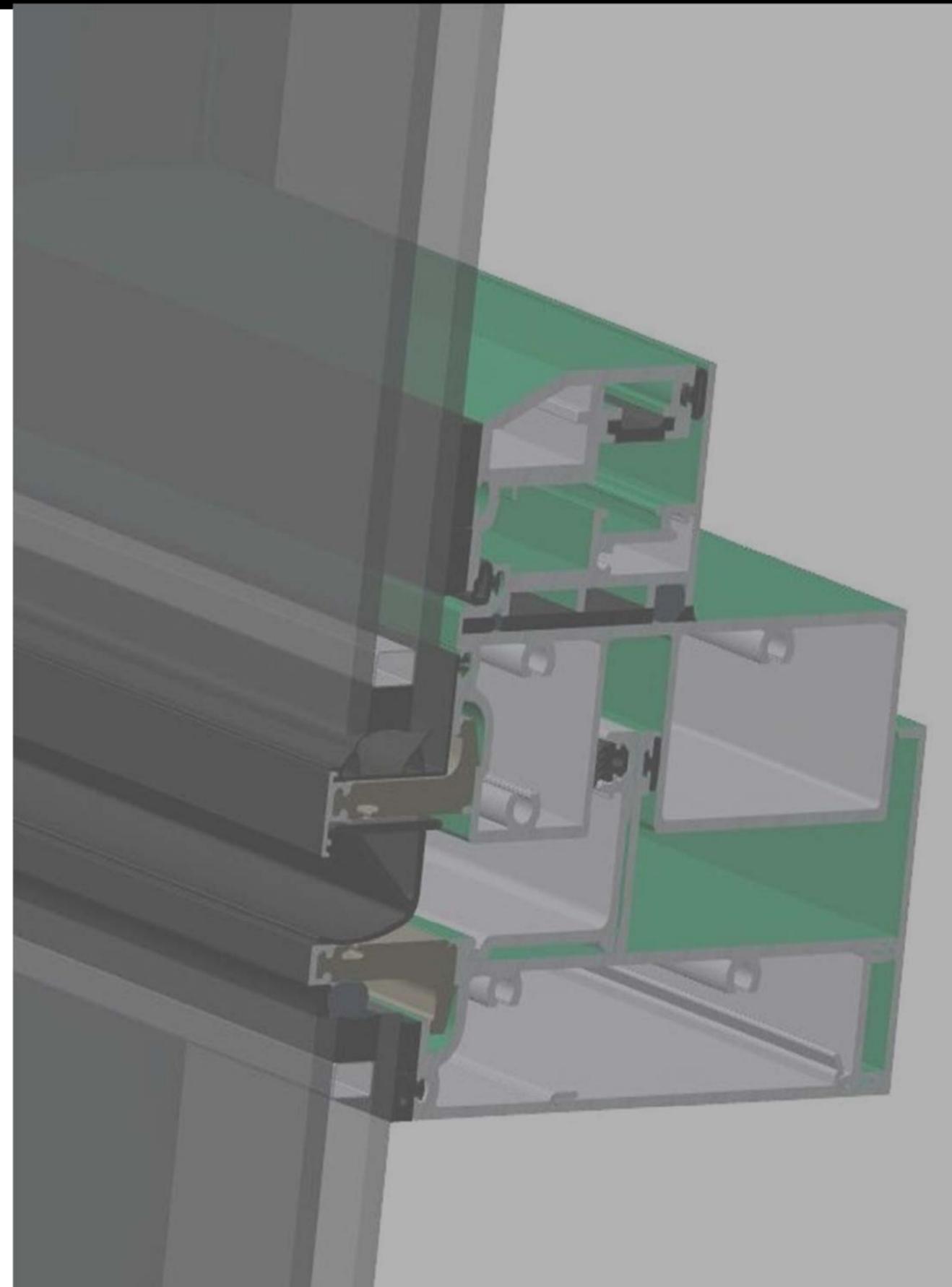


TABLE OF CONTENTS	PAGES
1. INDEX & NOTES	2
2. GENERAL NOTES	3
3. PARTS IDENTIFICATION	4 - 5
4. 875 VENT & FRAME 8750	6 - 9
5. SCREEN INSTALLATION	10 - 11
6. 875V ADAPTED IN 5600	12 - 15
7. MAINTENANCE	16

Note:

These instructions show the general installation sequence and procedure for typical installations. Use in conjunction with general service and maintenance manual YSM1 and screen instructions YW40.

This instruction supplements the shop details and notations for installation. Review all instructions in their entirety before beginning installation.



Y808 - Series 875 Wall Vent Installation Instructions

MATERIAL HANDLING

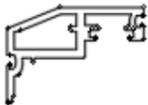
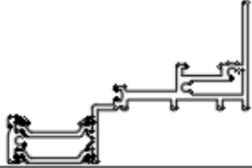
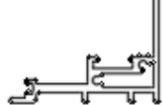
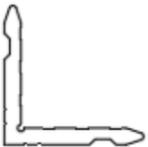
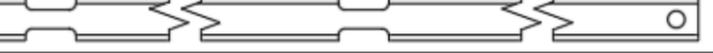
The material must be protected against damage. The following precautions are recommended.

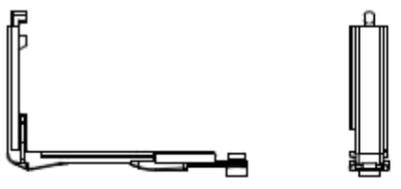
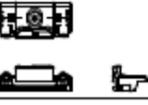
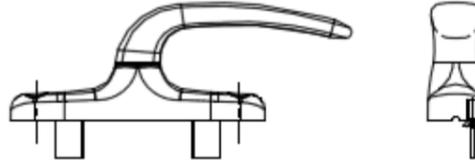
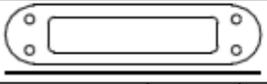
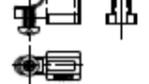
- ◆ **PROTECTION AND STORAGE:** Handle the material carefully. Do not drop from the truck. Stack with adequate separation so the material will not rub together. Store the material off of the ground. Protect against the elements and other construction hazards by using a well ventilated covering as required. Remove material from packaging if it is wet or is located in a damp area.
- ◆ **CHECK MATERIAL:** Upon arrival, check all material, to ensure that the proper quantities have been received and that material was not damaged during shipment. Any visibly damaged material must be noted on the freight bill at the time of receipt. If a claim is required, the receiving party must process a claim with the freight supervisor.
- ◆ **CLEANING MATERIAL:** Cement, plaster, terrazzo, alkaline and acid-based material used to clean masonry are very harmful to finishes and should be removed with water and mild soap **immediately** or permanent staining will occur. A spot test is recommended before any cleaning agent is used. For more specific cleaning information reference EFCO's General service and maintenance manual.
- ◆ **NOTE:** If a protective coating is specified, remove it in areas that require sealant.

GENERAL NOTES: The following practices are recommended for all vent installations:

- ◆ **REFERENCE SHOP DRAWINGS:** Check shop drawings and installation instructions to become thoroughly familiar with the project. These installations instructions are of a general nature and cover the most common conditions. The shop drawings take precedence and include specific details for the project.
- ◆ **CHECK OPENINGS:** Make certain that construction which will receive your material is in accordance with the contract documents. If not, notify the general contractor **in writing** and resolve differences before proceeding with work.
- ◆ **BENCHMARK LAYOUT:** All work should start from benchmarks and/or column centerlines as established by the architectural drawings and the general contractor.
- ◆ **PLUMB / LEVEL / TRUE:** All materials are to be installed plumb, level and true.
- ◆ **ISOLATION OF ALUMINUM:** Use a heavy coat of zinc chromate or bituminous paint to isolate aluminum from direct contact with uncured masonry and other incompatible materials.
- ◆ **FASTENING:** Refers to any method of securing one part to another or to adjacent materials.
- ◆ **SEALANTS:** Must be compatible with all materials they contact, including other sealant surfaces. Consult the sealant supplier for recommendations relative to solvent cleaning materials and procedures, compatibility, adhesion, priming, tooling and shelf life.
- ◆ **BUILDING CODES:** Glass and glazing codes governing the design and use of products vary widely. EFCO does not control the selection of product configurations, operating hardware, or glazing materials, and therefore assumes no responsibility. It is the responsibility of the owner, specifier, architect, general contractor and the installer to make these selections in accordance with local building codes.
- ◆ **SHIM SPACE INFORMATION:** The nominal shim space is 1/8". The maximum shim space is 1/4".
- ◆ **SURROUNDING METAL:** The surrounding framing shall be a minimum thickness of 0.080".
- ◆ **NOTE:** Performance values are based on AAMA standard test size for each specific test configuration. If the vent is larger than test size or the vent has hardware options other than what was used on the test window, some degradation in performance may occur. Job specific sizes and hardware options can be tested with the appropriate charges and lead times added to the schedule.

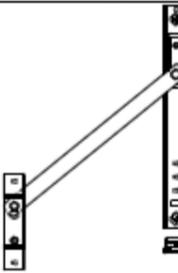
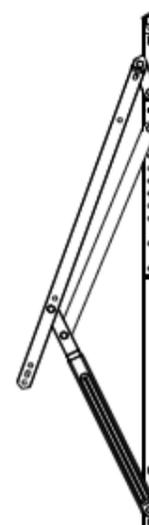
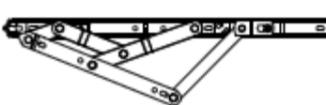
Y808 - Series 875 Wall Vent Installation Instructions

Part Image	Part No.	Description
	17Y5	VENT SASH
	4T44	CAPTURED VENT FRAME
	27T0	875V VENT FRAME
	FM74	SASH CORNER KEY
	FM75	SASH CORNER KEY
	FM86	FRAME CORNER KEY
	H06U-002	Sill Connecting Rod Lock Handle Corner Drive
	H06U-003	Sill Connecting Rod Lock Handle Corner Drive with Intermediate L
	H06U-006	Stabilizer Rod For Handle Locking Pins (Only)
	H06U-007	Sill Connecting Rod Lock Handle Intermediate Sill Lock
	H06U-008	Jamb Connecting Rod Corner Drive Intermediate Jamb Lock Point
	H06U-009	Jamb Connecting Rod Lock Handle Single Upper Lock Point
	H06U-010	Smt Jamb Connecting Rod Lock Handle & 2 Lock pts.
	H06U-011	Projected Jamb Rod Corner Drive Two Lock Points

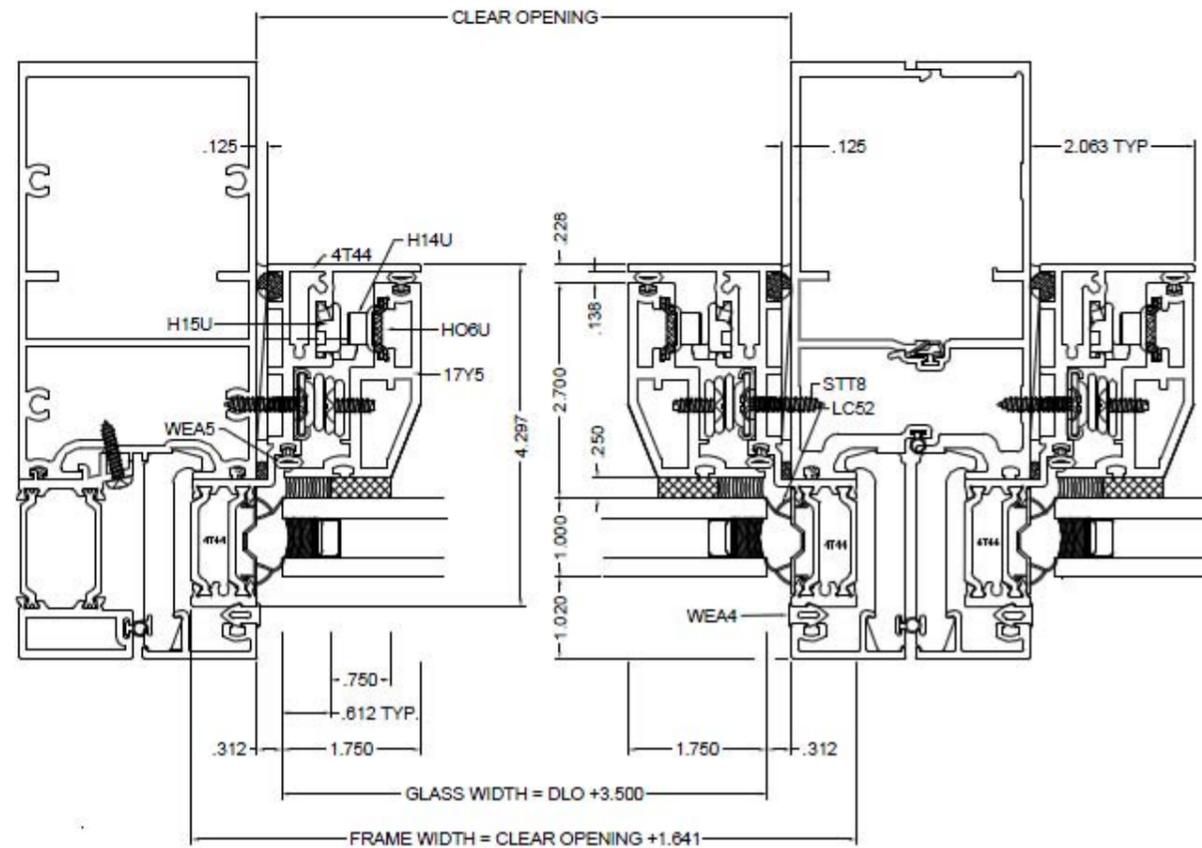
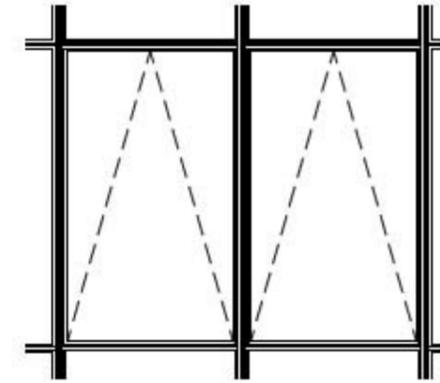
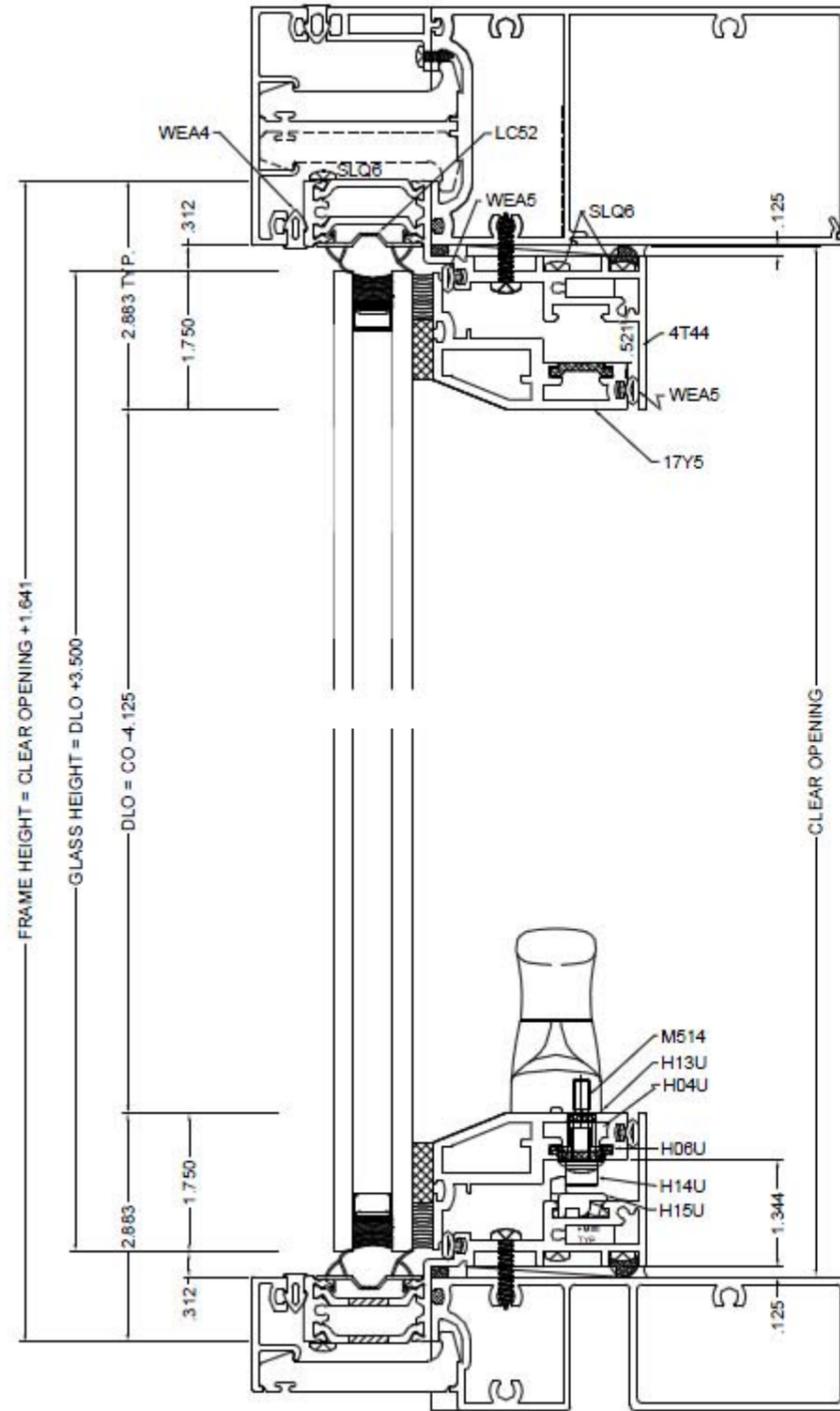
Part Image	Part No.	Description
	H06U	CORNER DRIVE
	H14U	SS PAWL (LOCK POINT)
	H15U	ADJUSTABLE SINGLE STRIKE
	H47U	SECURITY PKG. SS PAWL WITH FIXED STRIKE
	H37U SILVER H38U WHITE H39U BLACK	MULTI-POINT HANDLE WITH SCREWS
	H41U SILVER H42U WHITE H43U BLACK	OPTIONAL EXTENDED MULTI-POINT HANDLE WITH SCREWS
	H13U	HANDLE GASKET
	H04U	HANDLE BLOCK PKG.
	WM58	1/4" X 3/4" STRUCTURAL 2 SIDED GLAZING TAPE
	WEA4	GLAZING DART FOR VENTS

Y808 - Series 875 Wall Vent Installation Instructions

Part Image	Part No.	Description
	WEA5	VENT & FRAME AIR SEAL GASKET
	LC52	8750XD VENT GASKET
	LC53	SSG 8750XD VENT GASKET
	LC75	875V VENT GASKET
	LC72	CAPTURED SYS. GLAZE ADAPTER
	SLQ6	FRAME ASSEMBLY SCREWS SLQ6 8-15 X 1 SQ-PH-SMS 410 A-POINT MG
	STT8	FRAME MOUNT SCREWS WHEN EFCO MATERIAL TO EFCO MATERIAL STT8 #10-12 X 7/8 PL-PH-SMS 18-8 A
	STD2	HINGE SCREWS VENT OR LIFT BLOCK HB34 STD2 #10-16 X 1/2 SQ-TH-SMS 18-8 B
	STT5	HINGE SCREWS FRAME STT5 #10-16 X 3/8 SQ-TH-SMS 18-8 B
	STK4	LIFT BLOCK SCREWS STK4 #8-18 X 3/4 PL-FH-SMS 410 TEK/2
	HB34	LIFT BLOCK
	HB64	RISER BLOCK
	LC81	SSG GLAZING ADAPTOR
	WV95	SSG RAIN SCREEN WEATHER STRIP

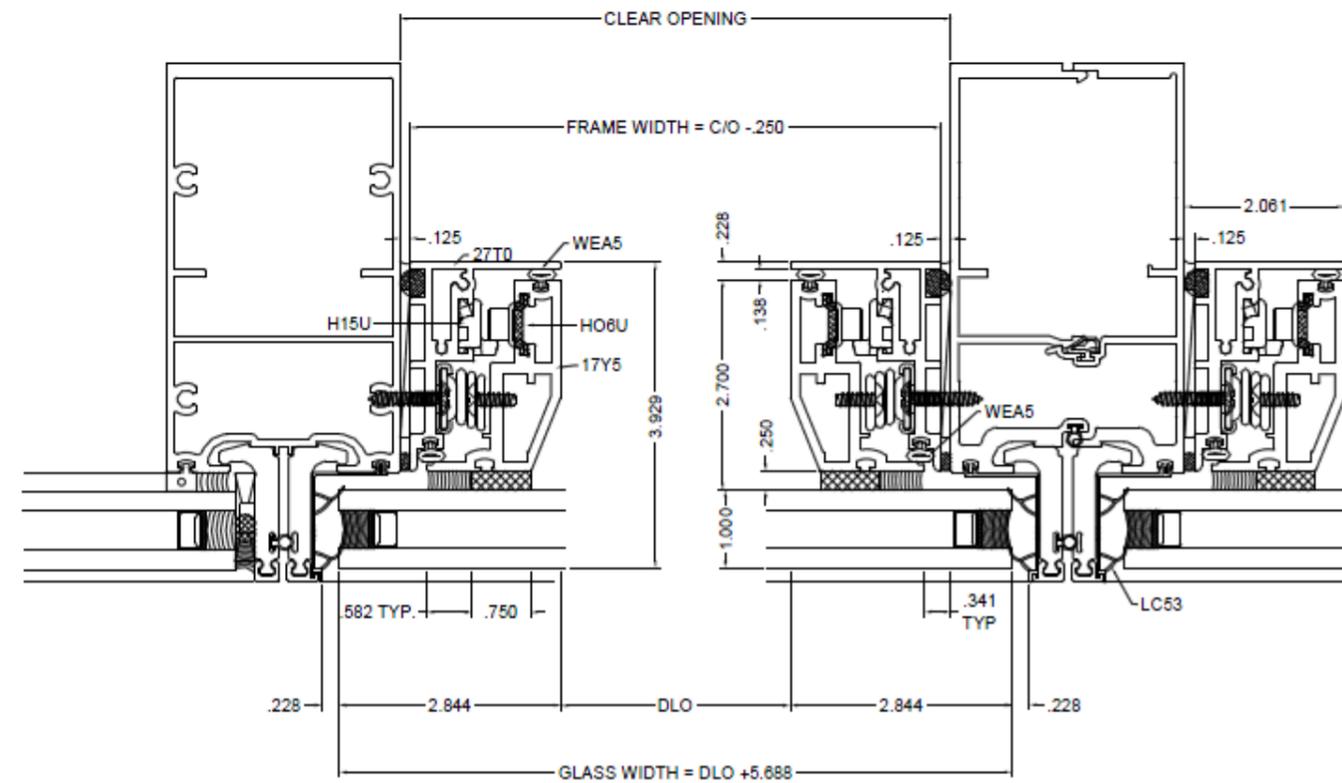
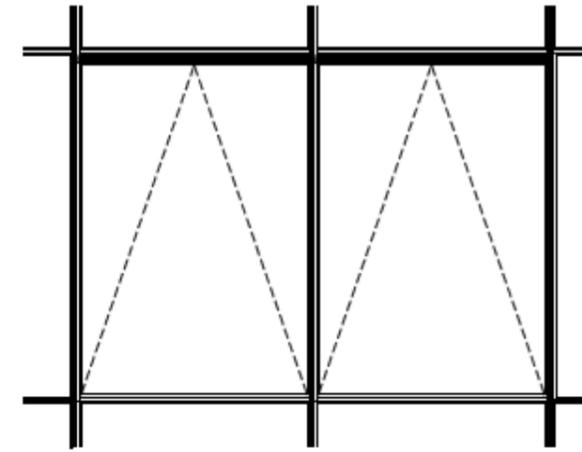
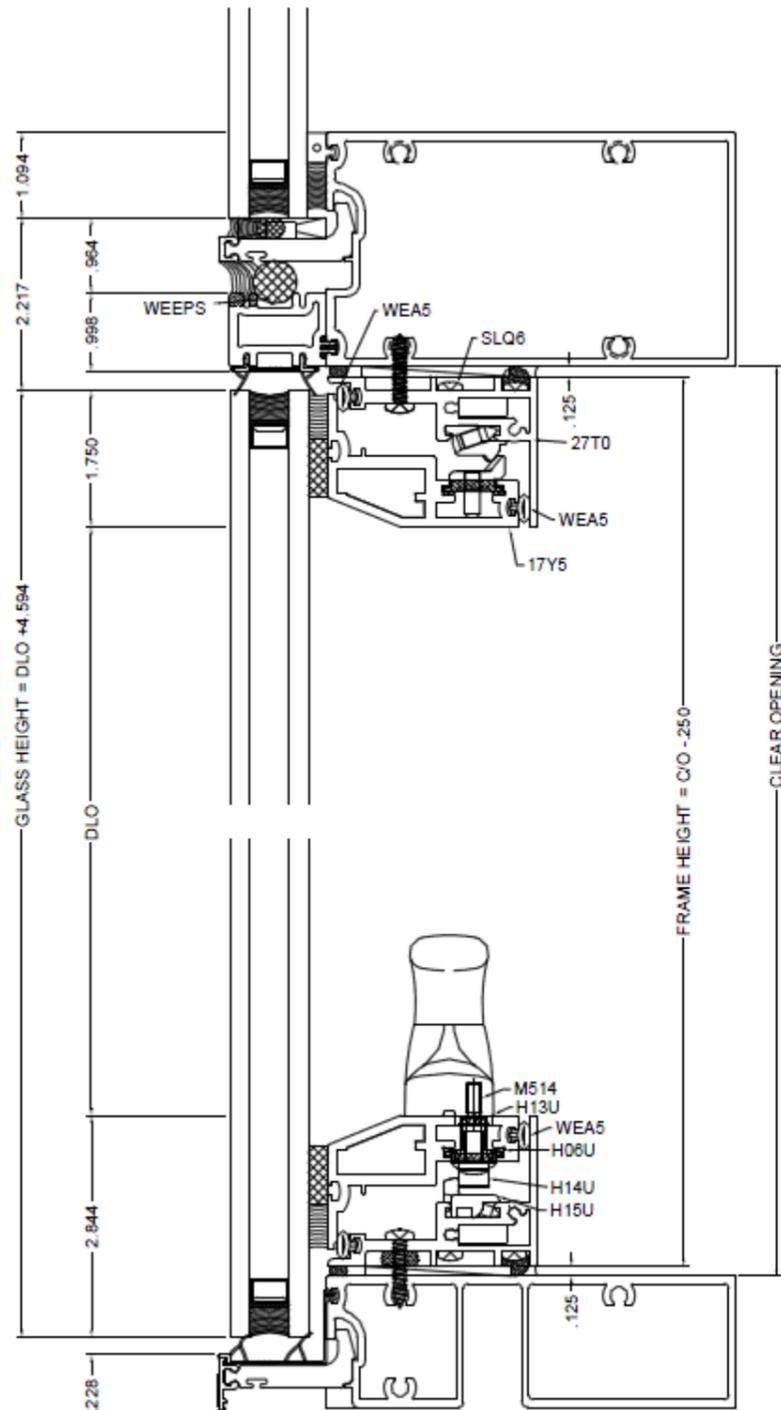
Part Image	Part No.	Description
	LA04	ALLEN RELEASE LIMIT ARM
	LA15 LA21 LA23	16" 4 BAR ARM 20" 4 BAR ARM 24" 4 BAR ARM
	L20A L24A L28A	20" ARM MAG SG 24" ARM MAG SG 28" ARM MAG SG
	LA35	12" 4 BAR CASEMENT ARM

875 Captured Vent Frame in 8750 Curtain Wall



Y808 - Series 875 Wall Vent Installation Instructions

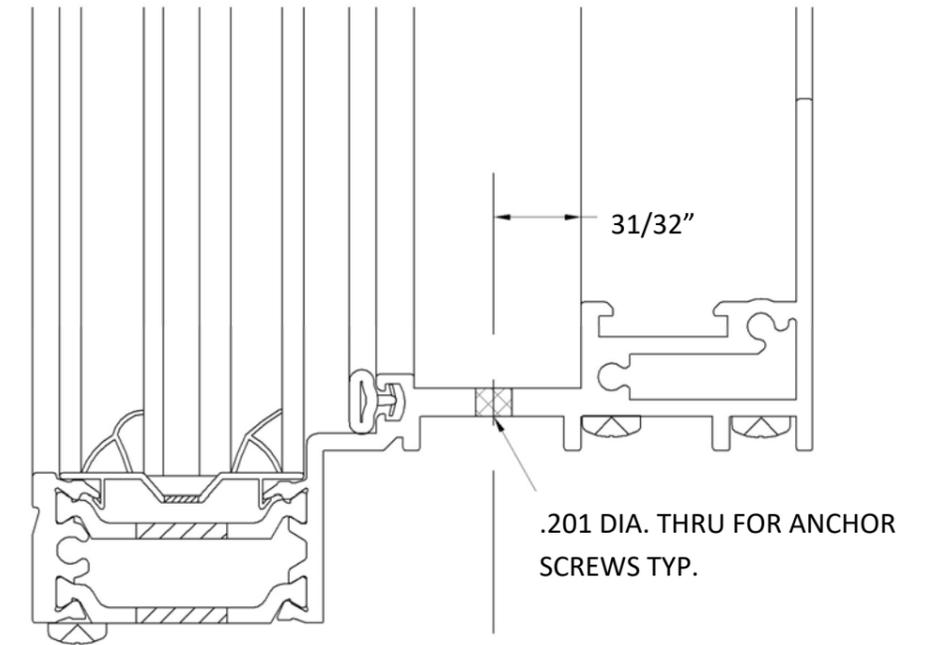
875 SSG Vent Frame In 8750 SSG Curtain Wall



Y808 - Series 875 Wall Vent Installation Instructions

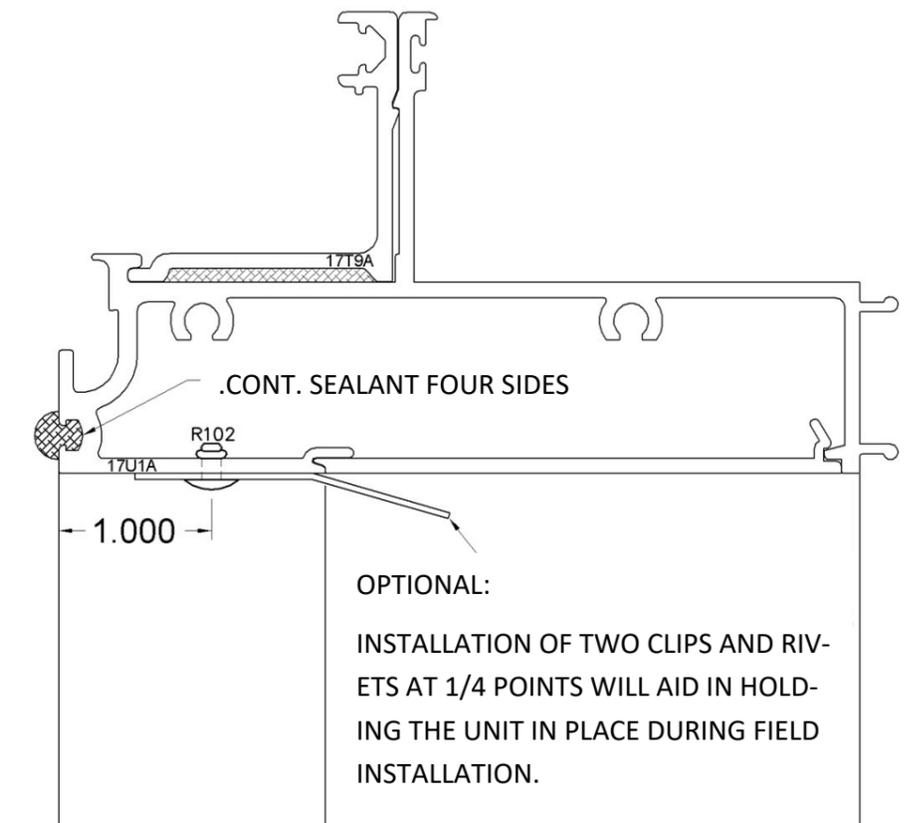
VENT FRAME PREPARATION

- 1) Do not fasten drapery tracks, ceiling supports or Stool trims to windows.
- 2) Fasten window frame into minimum of 0.080" thickness of framing.
- 3) Minimum anchor spacing:
 - a. No more than 6" from each side of frame joints.
 - b. No more than 18" on center between anchors.
- 4) Pre-drill using a 0.201 DIA. - #7 drill bit to make anchor clearance holes in the vent frame. Make sure screw head can be reached when vent is installed.
- 5) Countersunk anchor holes may be required with some hardware combinations. All screw heads must be sealed at sill.
- 6) When installing curtain wall pocket adapters, use silicone to seal in place as directed by instructions and shop drawings.



VENT INSTALLATION

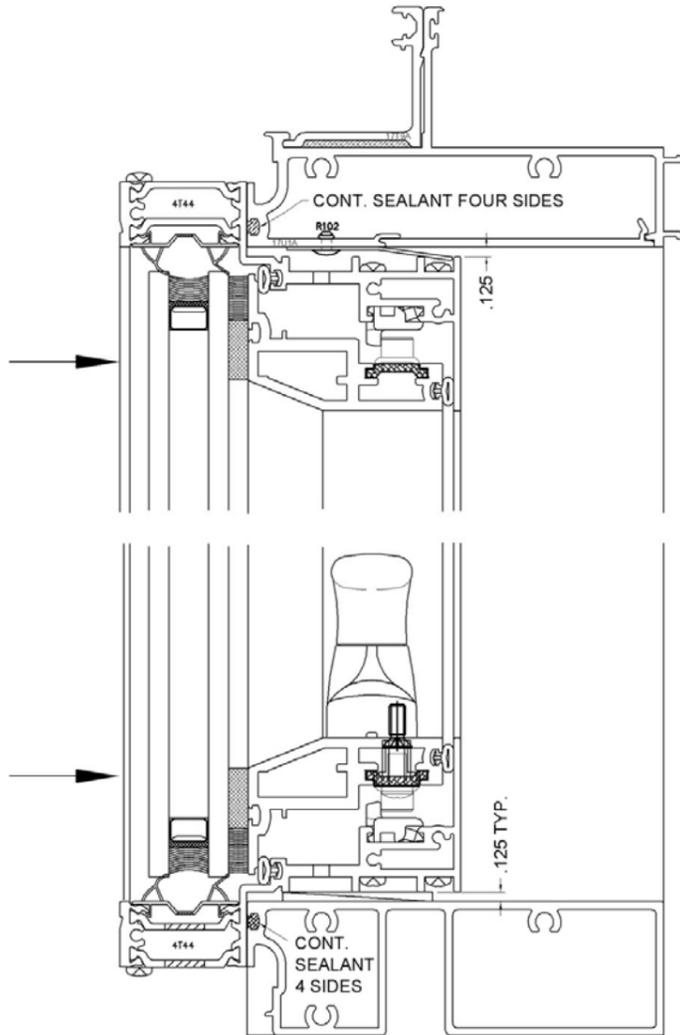
- 1) Consult curtain wall assembly instructions and shop drawings before vent installation begins.
- 2) Install optional vent frame retention clips (FM85) if required.
- 3) Make sure all curtain wall seals covered by the vent are done and tooled before vent installation.
- 4) Vent frame sizes: curtain wall clear opening -1/4" in both directions. This will allow 1/8" shimming on all sides.
- 5) Apply a continuous bead of sealant around face of curtain wall clear opening.
- 6) Perimeter sealant must be applied to SSG front legs before frame installation.
- 7) Perimeter sealant on custom SSG units may be applied and tooled down after vent frame installation.



Y808 - Series 875 Wall Vent Installation Instructions

8. Place vent on 1/8" shims in clear opening and push in to bed to sealant.

9. If optional clips (FM85) are used you may need to apply shims after placing the vent. A clear snap should be heard at the head from the clips. Look inside to make sure the clips are seated before opening the vent.

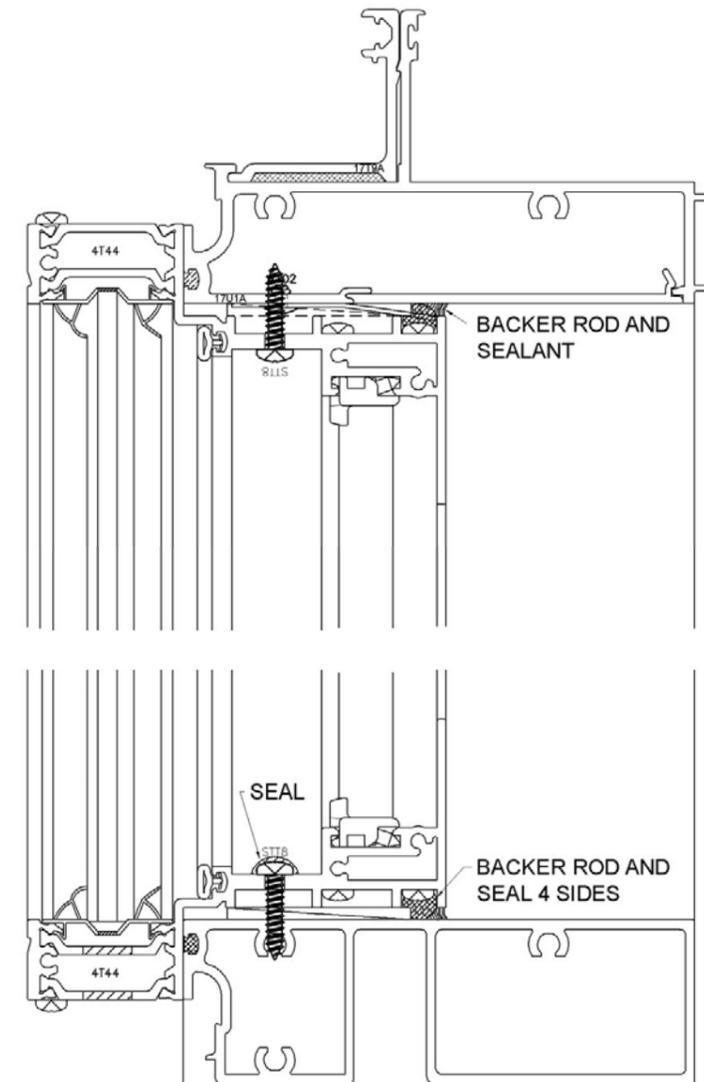


10. Shim vent 1/8" on all sides as needed, making it plumb and square in the clear opening.

11. Remove the vent if windows are installed horizontally in the shop.

12. Install anchor screws as needed on all side while still maintaining a plumb and square frame.

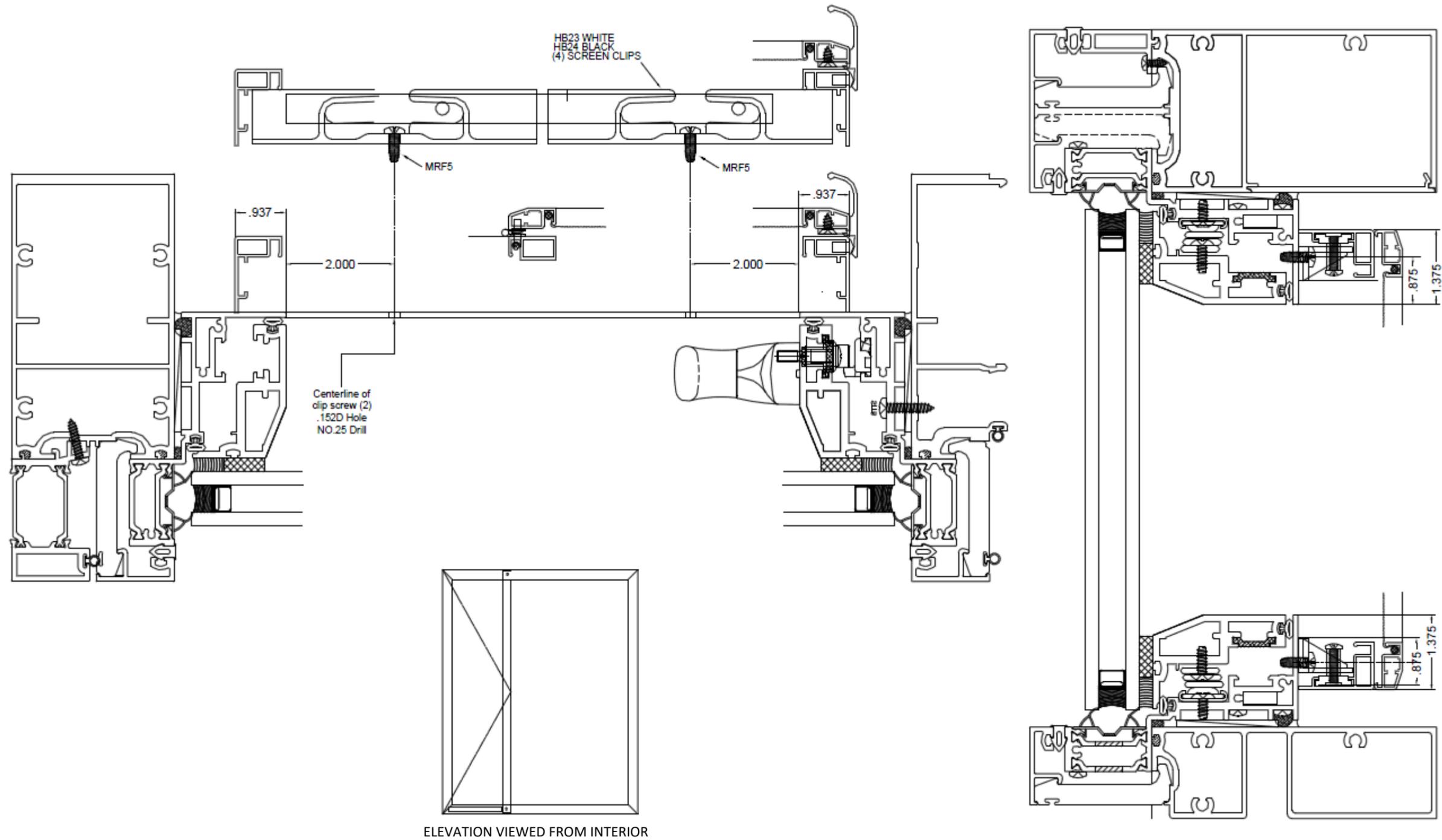
13. Reinstall vent and adjust for plumb and square in frame.



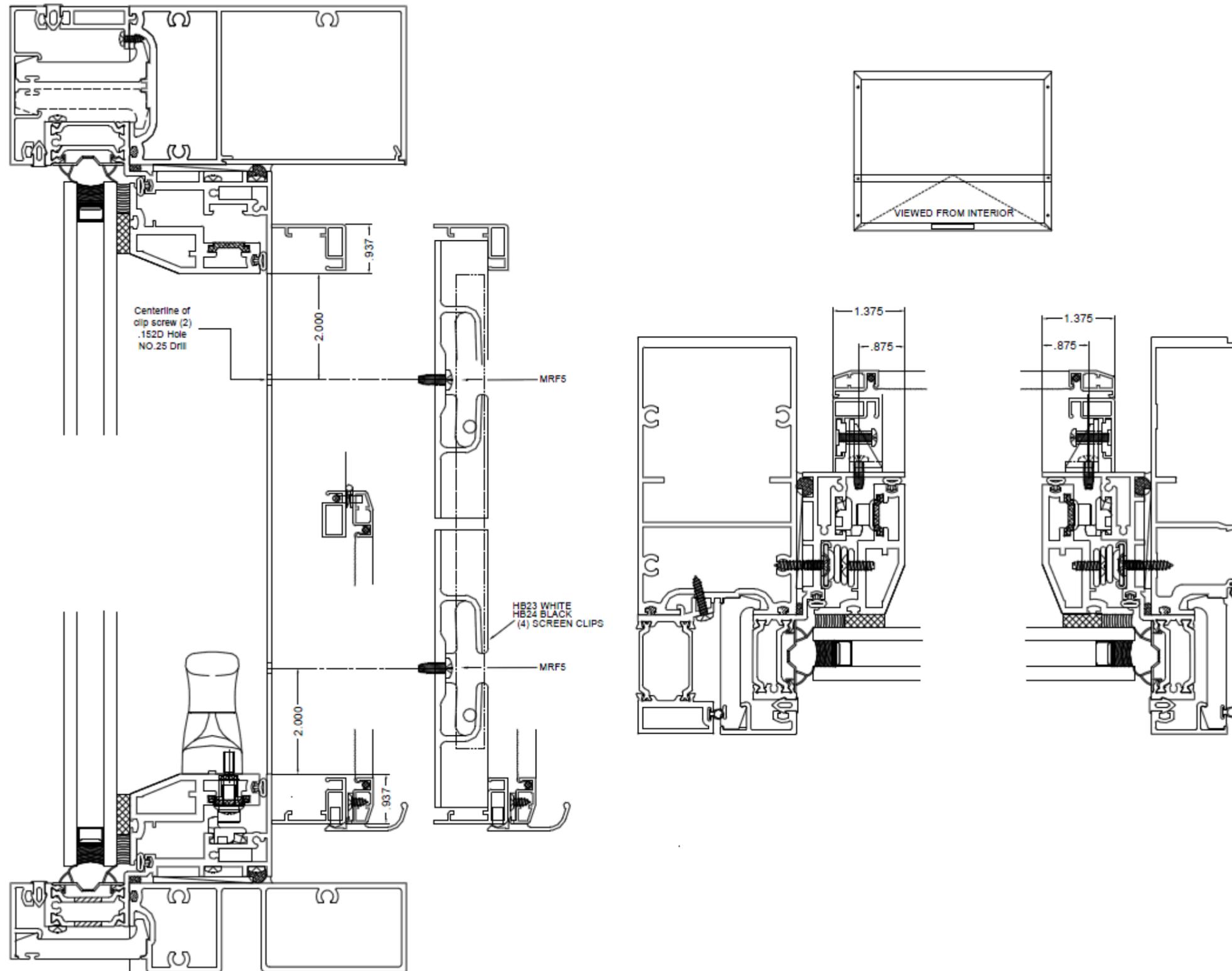
14. Check vent operation and locking making necessary adjustment to the hinges and friction shoes.

15. Seal over screw heads at sill and install backer rod and sealant in interior gap as needed.

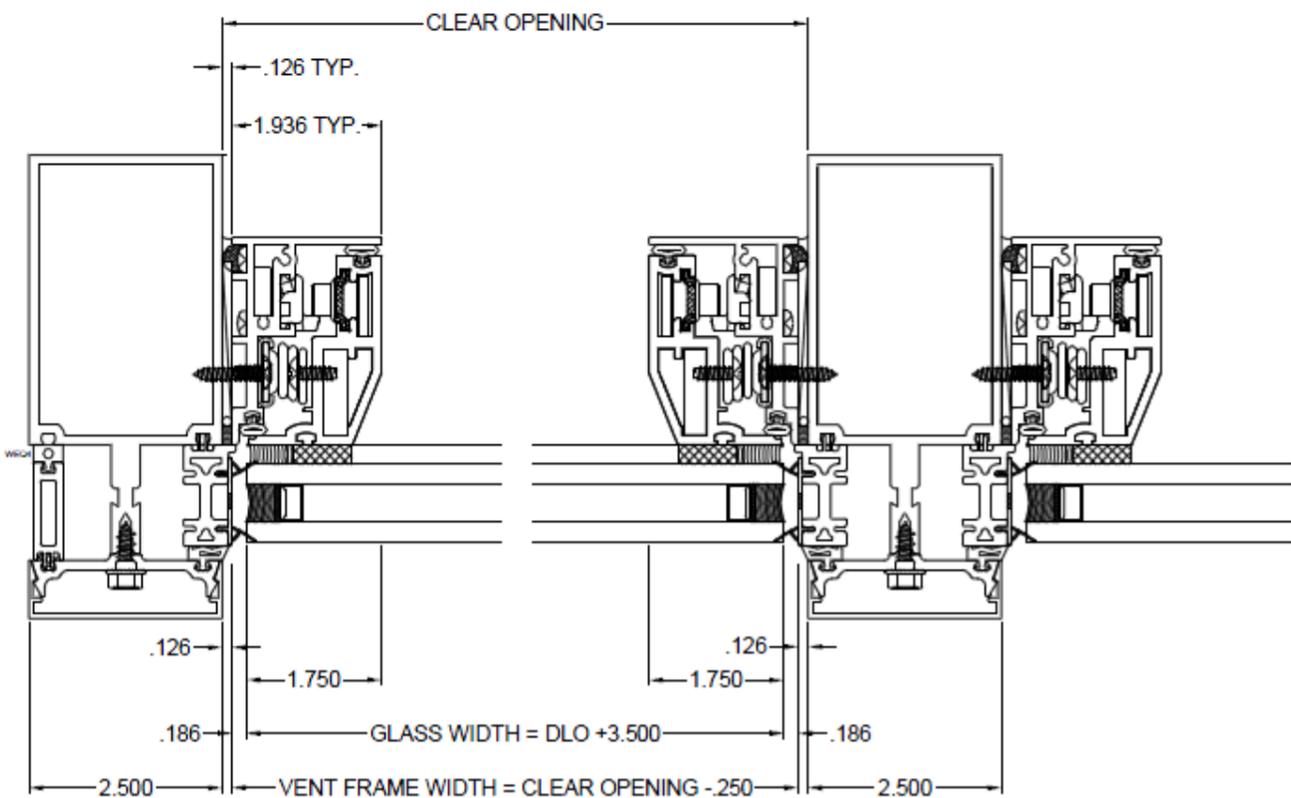
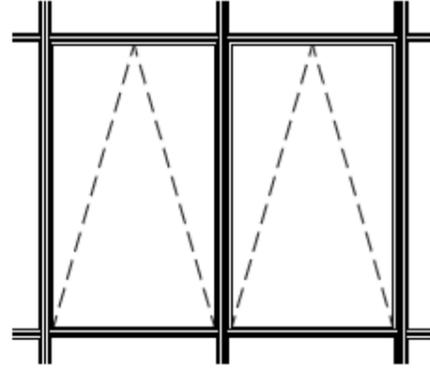
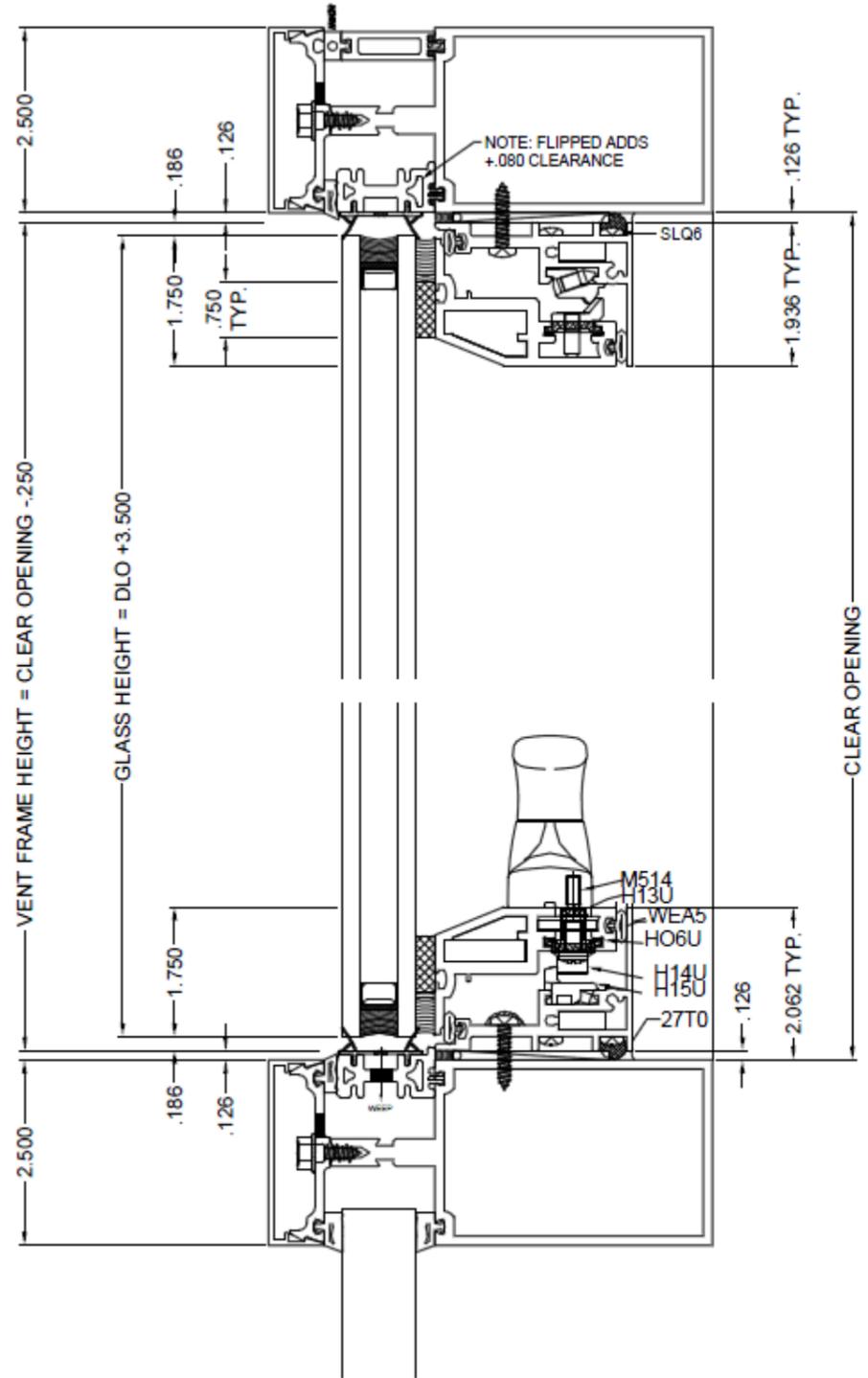
CSMT Project Out Window Screen with 1 Full Height Wicket



Project Out Window Screen with 1 Full Width Wicket

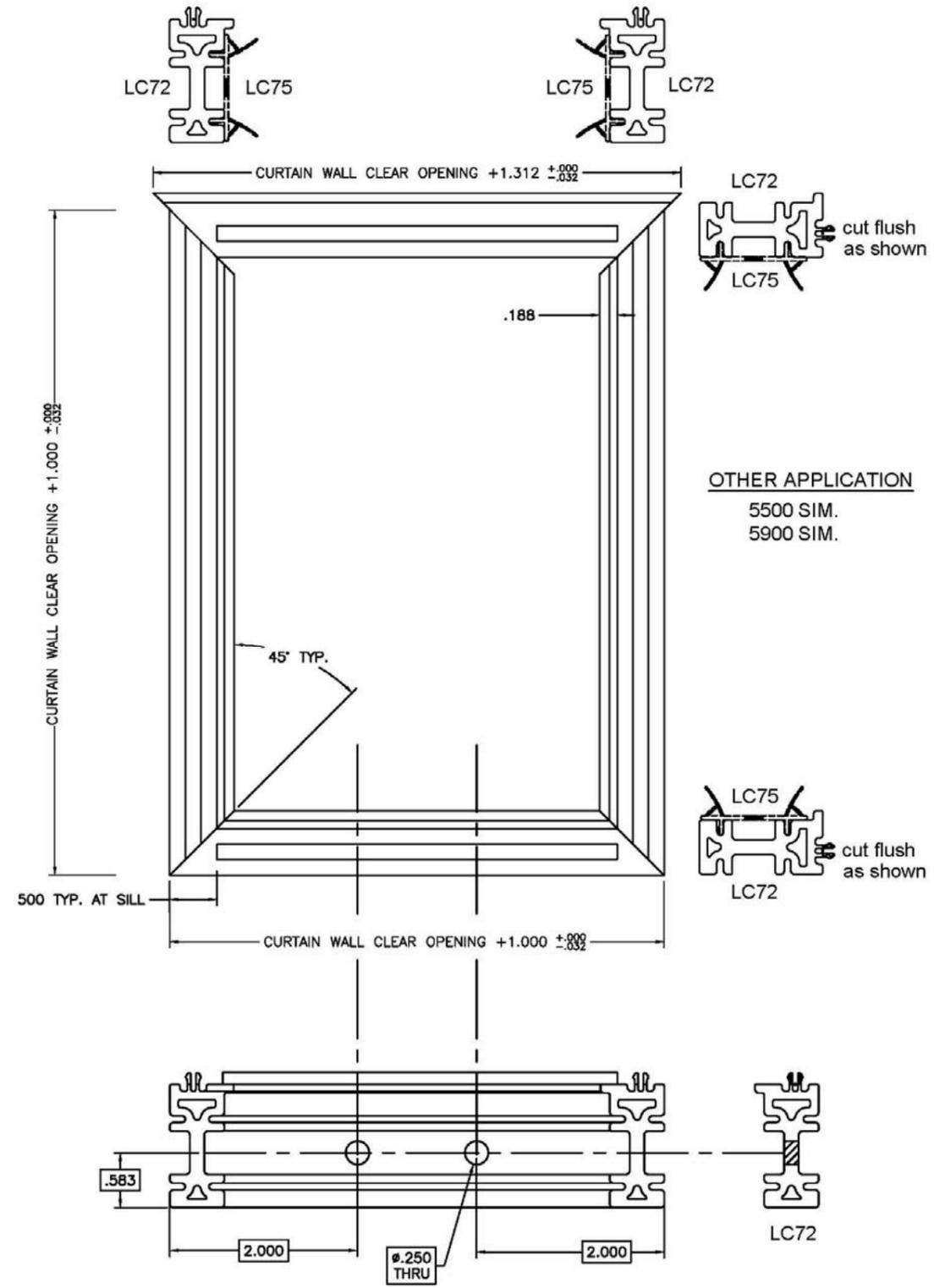


875 Vent Adapted In 2 1/2" 5600 Curtain Wall



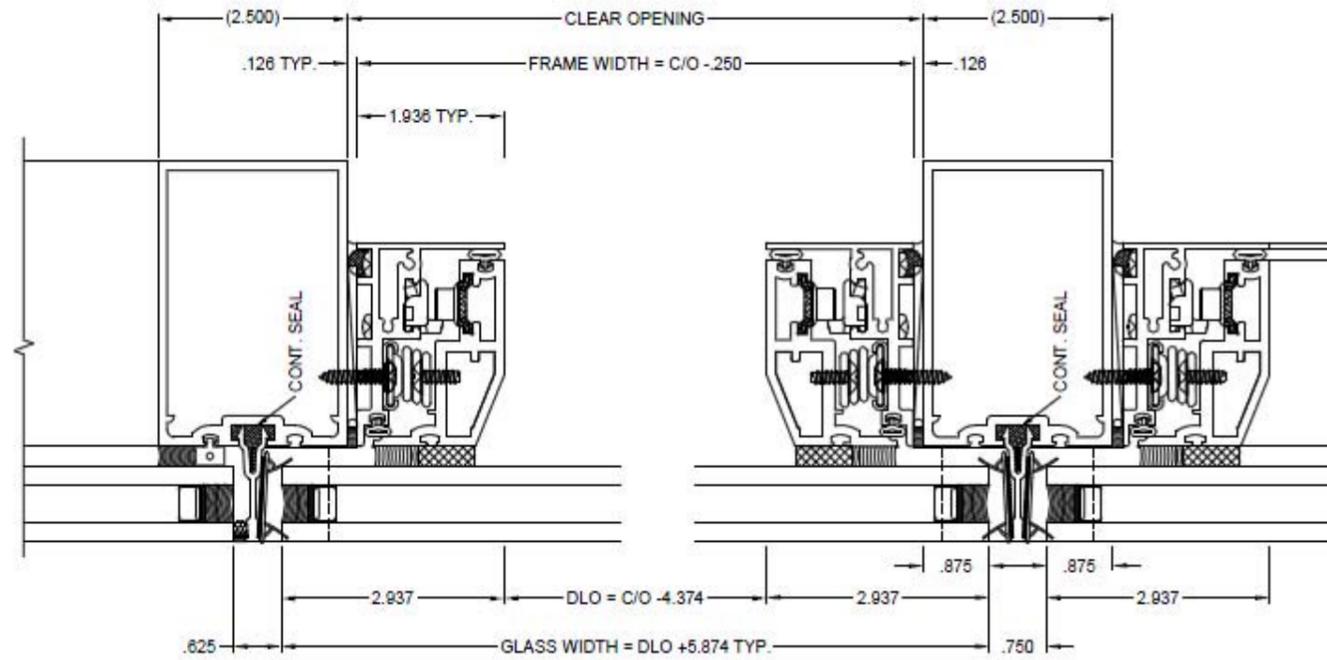
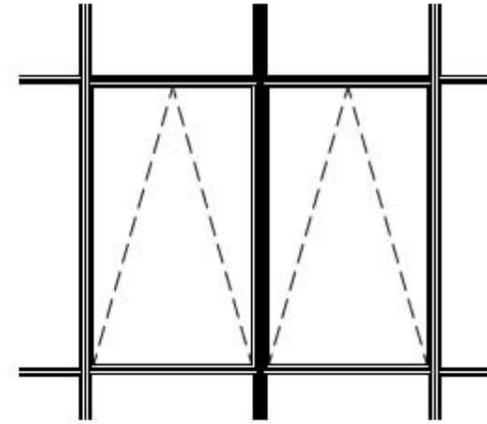
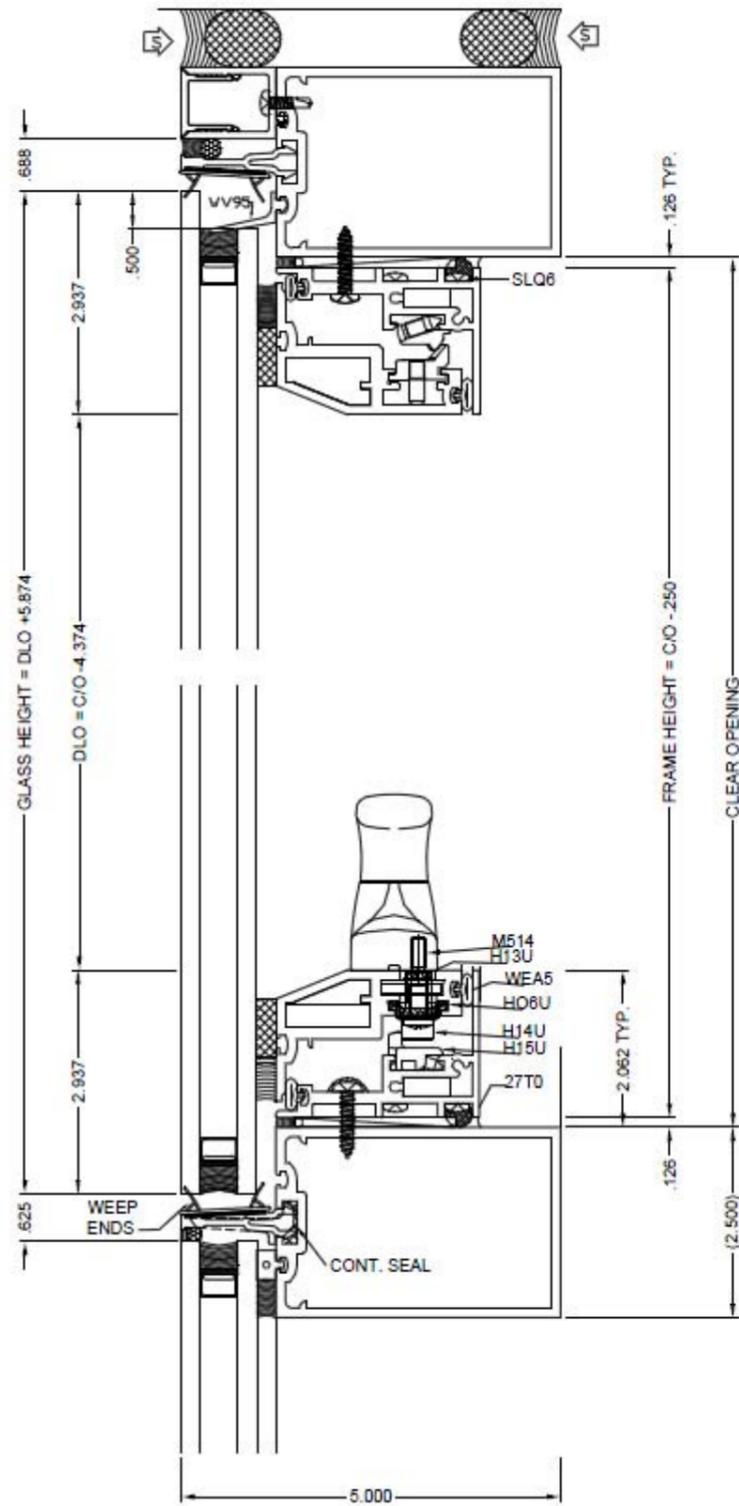
Y808 - Series 875 Wall Vent Installation Instructions

5600 Captured Curtain Wall 875V Projected Vent Adapter for LC75 Weathering



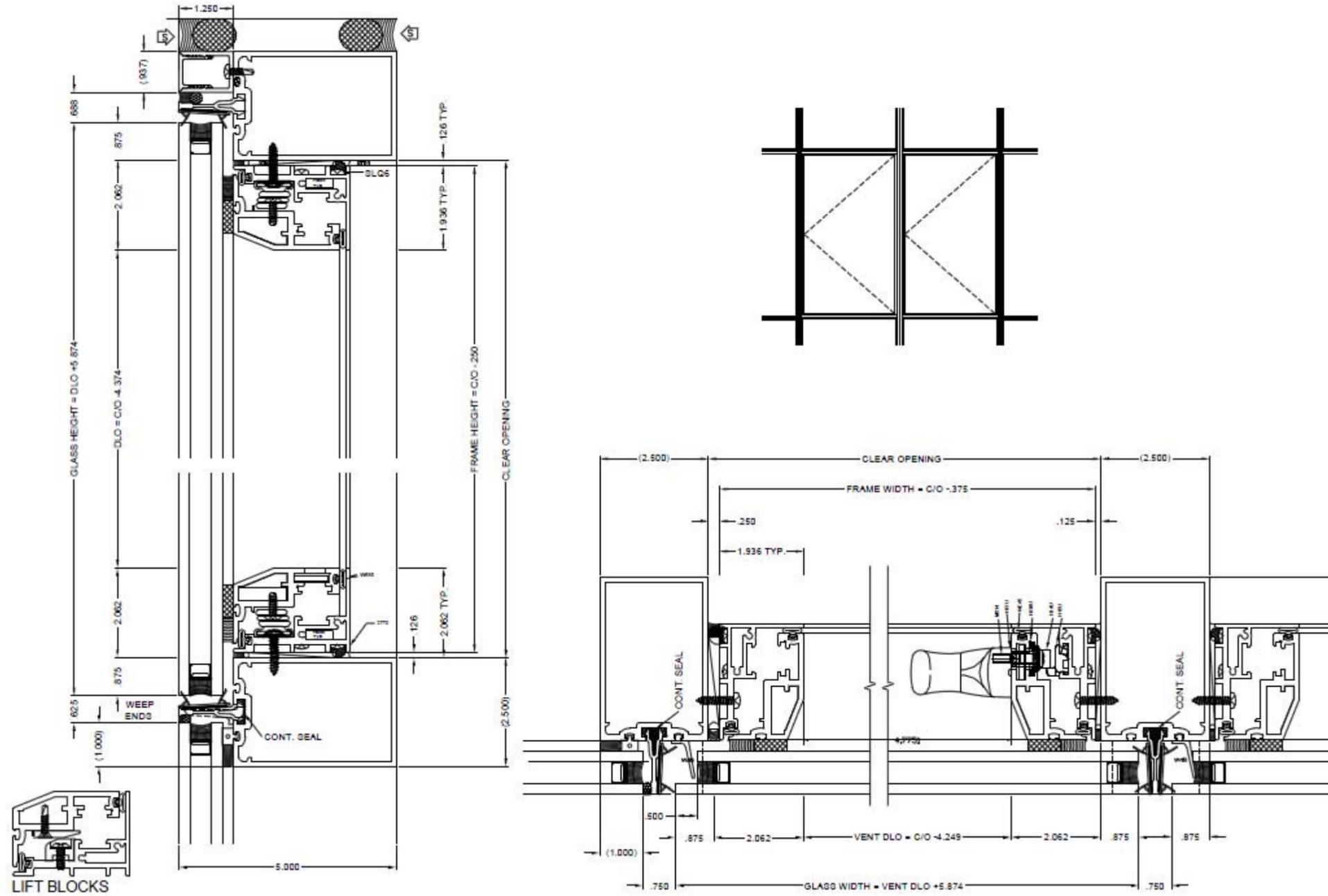
Y808 - Series 875 Wall Vent Installation Instructions

875 Vent Adapted In 2 1/2" 5600 SSG Curtain Wall



Y808 - Series 875 Wall Vent Installation Instructions

875 Vent Adapted In 2 1/2" 5600 SSG Curtain Wall



Y808 - Series 875 Wall Vent Installation Instructions

Maintenance

◆ **Hinge Linkage:**

Hinge linkages are factory installed and adjusted. Check annually for undue wear.

Clean track of any debris and apply a light machine oil to the track and pivot points. Adjust friction shoe as required for desired vent operation.

◆ **Multi-point Locking:**

Lock points are factory installed and adjusted.

There may be up to four locking points on any one side. Check annually for undue wear. Lubricate with a light machine oil as needed for smooth operation.

◆ **Keepers:**

Keepers are factory installed and adjusted.

To adjust compression on the weather seals loosen fastener on top of the keeper and slide tongue in or out and retighten screw. Care must be taken to assure no loss of engagement with the mating ventilator.

◆ **Fasteners:**

Check annually for undue loosening and hand tighten when needed.

◆ **Weathering:**

Check annually for undue damage or wear, change if required.

Minimizing Condensation

Note: Please reference EFCO's "Understanding Condensation" brochure which can be obtained through your EFCO representative.

- Condensation will form on any surface when unfavorable conditions (interior temperature and relative humidity and exterior temperature) are present. When the formation of excessive condensation is a concern, it is highly recommended that a design professional is utilized to perform an analysis of the shop drawings to recommend the best possible installation methods. Please contact your EFCO representative for information on EFCO's Thermal Analysis Services.
- Many current installation practices lead to an increase in the possibility of the formation of condensation. Though not all inclusive, the list of examples below illustrates conditions under which condensation is likely to occur:

Bridging system thermal break with non-thermally broken metal flashing or lintels that are exposed to the exterior.

System exposure to cold air cavities

Interior relative humidity levels not maintained at recommended levels, see EFCO's "Understanding Condensation" Brochure.

Inadequate separation between system and surrounding condition at perimeter.

Product combinations during the shop drawing stage that result in bridging thermal breaks of one or all products involved.