**GENERAL NOTES**
**HANDLING, STORAGE, AND PROTECTION**

The material must be protected against damage. The following precautions are recommended to assure early acceptance of your products and workmanship.

A. **HANDLE CAREFULLY** - Don’t drop from the truck. Stack with adequate separation so material will not rub together. Store off ground. Protect against elements and other construction trades. Wear hand protection to prevent injury due to sharp edges of cut framing members.

B. **KEEP MATERIAL AWAY FROM WATER, MUD AND SPRAY** - Prevent cement, plaster, or other materials from damaging the finish.

C. **PROTECT THE MATERIALS AFTER ERECTION** - Protect by wrapping with Kraft paper or by erecting Visqueen or canvas splatter screen. Cement, plaster, terrazzo, other alkaline solutions and acid based materials used to clean masonry are very harmful to the finish and should be removed with water and mild soap IMMEDIATELY.

**GENERAL INSTALLATION INSTRUCTIONS**

The following practices are recommended for all installations:

A. **CHECK SHOP DRAWINGS, INSTALLATION INSTRUCTIONS** and **GLAZING INSTRUCTIONS** to become thoroughly familiar with the project. The **SHOP DRAWINGS** take precedence and include specific details for the project. The **INSTALLATION INSTRUCTIONS** are of a general nature and cover most common conditions.

B. All materials are to be **INSTALLED PLUMB, LEVEL, AND TRUE**.

C. All work should start from bench marks and/or column lines as established by the **ARCHITECTURAL DRAWINGS** and the **GENERAL CONTRACTOR**. Check mullion spacing from both ends of masonry opening to prevent dimensional build-up of day light opening.

D. Make certain that construction which will receive your materials is in accordance with the contract documents. If not, notify the **GENERAL CONTRACTOR IN WRITING** and resolve differences before proceeding with your work.

E. Check all materials on arrival for quantity and be sure you have everything required to begin installation.

F. Sealants must be compatible with all materials with which they have contact, including other sealant surfaces. Consult with sealant manufacturer for recommendations relative to joint size, shelf life, compatibility, priming, tooling, adhesion, etc.

G. **FASTENING** - “Fastening” means any method of securing one part to another or to adjacent materials. These instructions specify only those fasteners used within the system. Due to varying perimeter conditions and job performance requirements, anchor fasteners are not specified in these instructions. For anchor fastening, refer to the Shop Drawings or consult the fastener supplier.

H. **CHECK OPENINGS** - Make certain that the opening which will receive your materials is in accordance with the contract documents. If not, notify the General Contractor in writing and resolve differences before proceeding with your work.

I. **EXPANSION JOINTS** - Expansion joints and perimeter seals shown in these instructions and in the shop drawings are shown at normal size. Actual dimensions may vary due to perimeter conditions and/or difference in metal temperature between the time of fabrication and time of installation. Any movement potential should be accounted for at the time of installation.
# E119 Fire Resistive Frame Interior Curtain Wall Installation

## PARTS IDENTIFICATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>935460</td>
<td>Pressure plate weather stripping (EPDM)</td>
<td>K 10-24-0.5</td>
<td>#10-24 x 1/2&quot; Shear Block Fasteners</td>
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<tr>
<td>935461</td>
<td>Back mullion weather stripping (EPDM)</td>
<td>936482</td>
<td>Spacer for Locking Screw</td>
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<td>Part number and length vary depending on glass thickness.</td>
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<tr>
<td>936570</td>
<td>Fastener Receiver</td>
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<tr>
<td>936810</td>
<td>Locking Screw</td>
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<td>Part number and screw length vary depending on glass thickness.</td>
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<td>Setting Block Shelf - Max Load 40Kg</td>
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<td>936737</td>
<td>Setting Block Shelf - Max Load 90Kg</td>
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<tr>
<td>908001</td>
<td>Sealing Compound</td>
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<tr>
<td>938014</td>
<td>Perimeter Filler</td>
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<td></td>
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</table>
E119 Fire Resistive Frame Interior Curtain Wall Installation

1. Vertical Mullion Profile
2. Horizontal Mullion Profile
3. Fastener Receiver
4. Weatherstripping
5. Setting Block Shelf
6. Pressure Plate (Vertical)
7. Pressure Plate (Horizontal)
8. Pressure Plate Screw
9. Spacer
10. Cover (Vertical)
11. Cover (Horizontal - Shown with optional beveled cover)
12. Setting Block
13. Infill
E119 Fire Resistive Frame Interior Curtain Wall Installation

FRAME ASSEMBLY

Principle of construction
Curtain Wall (Option 1: Modular Assembly)

ELEMENTS PRE-WELDED IN WORKSHOP

ANCHOR POINT

SPLICE JOINT

Pre-Welded Shear Block

Splice Joint

Pre-Welded Element Construction

Pre-Welded Module

Pre-Welded Shear Block

Splice Joint
FRAME ASSEMBLY

Attach horizontals to verticals at the pre-installed, welded shear blocks. Line up the predrilled holes and attach using (2) #10-24x1/2” screws per joint, (Part no. K 10-24-0.5). Continue until frame is fully assembled in the opening.

FRAME ASSEMBLY - SPLICE JOINTS

Splice sleeves are pre-installed into the top of vertical mullions. Slide the next length of vertical mullion over splice sleeve and let it drop down onto the lower vertical mullion section. Upper portion of mullion will not be fastened to the splice sleeve to allow for movement.
INSTALLING INTERNAL WEATHERSTRIPPING

Refer to the approved shop drawings to identify weather stripping which is keyed to the elevations. Pay attention to the notches in the vertical weather strippings to ensure they line up with the horizontal mullions before installing. Align notches in weather stripping with fastener receivers in mullion. Weather stripping is only notched on one side at the vertical jambs. Install pre-notched vertical weather stripping (part #935460) on vertical mullions first. Install pre-notched horizontal weather stripping (part #935460) into horizontal mullions, weathering will overlap the vertical weathering at each joint. (Note: horizontal drip cap not required for interior applications)

NOTE: The vertical weather stripping will be pre-notched to clear the pressure plate / fastener receivers and the horizontal mullions. If additional notching is required in the field, carefully trim off the back of the weather stripping, being careful not to cut through the front of the weathering.

INSTALLING BACK MULLION WEATHERSTRIPPING

Refer to the approved shop drawings to identify weather stripping which is keyed to the elevations. Pay attention to the notches in the vertical weather strippings to ensure they line up with the horizontal mullions before installing. Align notches in weather stripping with fastener receivers in mullion. Weather stripping is only notched on one side at the vertical jambs. Install pre-notched vertical weather stripping (part #935460) on vertical mullions first. Install pre-notched horizontal weather stripping (part #935460) into horizontal mullions, weathering will overlap the vertical weathering at each joint.

NOTE: The vertical weather stripping will be pre-notched to clear the pressure plate / fastener receivers and the horizontal mullions. If additional notching is required in the field, carefully trim off the back of the weather stripping, being careful not to cut through the front of the weathering.

APPLY PERIMETER SEALS

Insert backer rod and sealant as shown around perimeter of frame.
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SETTING BLOCK SHELF MOUNTING

Use the provided Setting Block Shelf and install at locations as shown on approved shop drawings. Position each setting block shelf over the fastener receivers, which are pre-installed in the mullions. Pull back the weather stripping at receiver locations to align bolts with receiver holes. With a hammer, drive the pre-installed bolts in the setting block shelf through the weather stripping into the fastener receiver holes.

NOTE: Bolt heads should protrude slightly from setting block shelf after installation.

INSTALL PERIMETER FILLER

1. Apply to perimeter of head, sill and jambs.
INSTALL SETTING BLOCKS

Place setting blocks on setting block shelves. Set glass on setting blocks and secure with temporary retainers to the mullions. (Shown Below) Maximum temporary spacing is 30”. If winds are greater than 50 MPH (80 KPH) are expected, additional temporaries may be required. Consult your infill supplier for spacing recommendations.

INSTALL TEMPORARY RETAINERS

After glass is set in place, install temporary retainers horizontally and vertically. Retainers should be rotated to hold glass on both sides of mullion.

NOTE:
After removal of temporary retainers, seal fastener holes with sealing compound #908001.
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INSTALLING WEATHER STRIPPING AND PRESSURE PLATES

1. Install horizontal pressure plates with pressure plate weather stripping first. Remove horizontal temporary retainers. Install pressure plate fasteners into holes on pressure plate, then press through pressure plate weather stripping at an angle. Install pressure plate fastener spacer onto Pressure Plate Fastener. Then push fastener through the back mullion weather stripping and into the pressure plate fastener receiver. Lightly attach horizontal pressure plate fasteners, do not secure completely.

2. Install vertical pressure plates with pressure plate weather stripping. Remove vertical temporary retainers. Install pressure plate fasteners into holes on pressure plate, then press through pressure plate weather stripping at an angle. Install pressure plate fastener spacer onto pressure plate fastener. Then push fastener through the back mullion weather stripping and into the pressure plate fastener receiver. Lightly attach horizontal pressure plate fasteners, do not secure completely. After all pressure plates have been installed, torque all horizontal and vertical pressure plate fasteners to 35 inch pounds (4Nm).

INSTALL COVERS

Use a rubber mallet and a block of wood to install covers as shown below. Install vertical covers first. Install horizontal covers between the verticals ensuring that they are centered and do not scratch the verticals.

REMOVING COVERS

COVERS CAN BE SAVED IF TOLERANCES ARE NOT TOO TIGHT AND THE COVER IS REMOVED WITH EXTREME CARE

PRY BAR WITH SHARP POINT AND FLAT THIS SIDE

PUSH BACK THE GASKET TRIM UP START AT ONE END TO DISENGAGE DO THIS IN PROGRESSION FOR THE COMPLETE LENGTH