

E4500 SERIES FRAME

HEAVY DUTY INTERIOR STOREFRONT

The E4500 series frame is our heavy duty interior framing. This framing system is continually specified for secured vestibules. This 4 1/2" deep center glazed framing system is recommended for low rise applications. The E4500 framing has a typical 1-3/4" face width, but Cross Aluminum has also designed a 2" face width to match the exterior framing face width. This storefront utilizes Cross Aluminum's heavy-duty doorstop allowing parallel arm closers to be mounted with no worries of it pulling out of the frame header. All immediate door frames have an internal wall to provide rigidity as they are anchored to the building, allowing the entrance to stay uniform and plumb. Cross Aluminum storefront frames come with our standard ten (10) year warranty on materials and workmanship.



E4500 FEATURES



MaintenanceFree- All storefront framing comes with our standard 10 year warranty.



RetroFit- Framing can replace any existing opening and improve efficiency.



Dual Finish- Frame Systems can have alternate finishes from exterior to interior.



CustomIntegration- Configurations to match architectural decor of building.



SecureGlaze- Extruded non-removable interior glass stops.



Therma Bar- Thermal I-Strut™ mechanically attached to thermal extrusions.



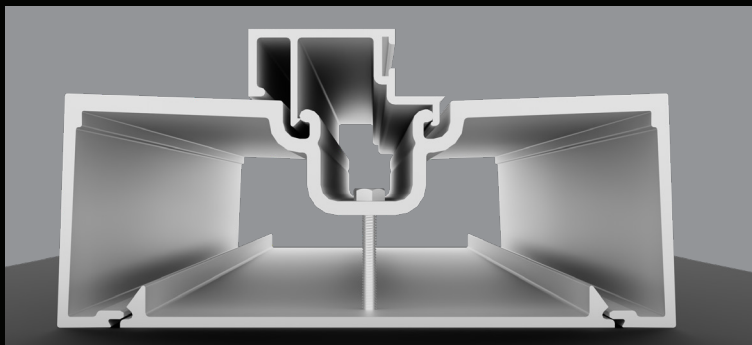
EcoFriendly- Secondary billet, acid-etch anodizing, and zero VOC emissions painting.

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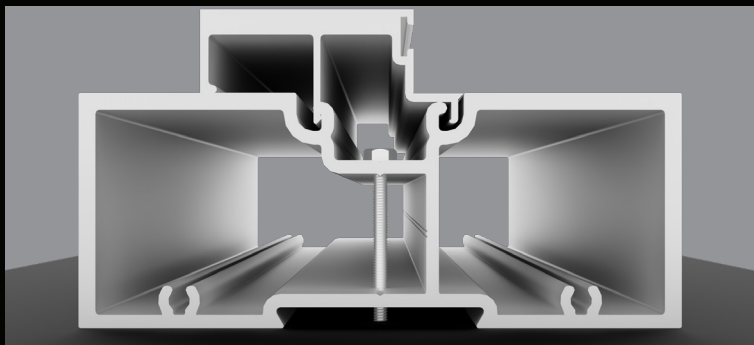
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CROSS ALUMINUM DIFFERENCE

Cross Aluminum will only supply closed-back extrusions at every door opening. This allows the frame to be securely anchored to the building without product deformation. Industry standard open back tubes could deform and not allow snap in door stop to engage or the door to sag when using side lites.



Industry Standard
Product Deformation



Cross Aluminum Standard
No Deformation

General Composition

- Aluminum extrusions to be 6063-T5.
- Face widths are 1 3/4" and 2".
- Frame depths are 4 1/2".
- Frame wall thicknesses are 1/8"+.
- Side lite bases range from 1 3/4" to 10".
- Thermal breaks are mechanically bonded polyimide 66 struts.
- Door frame assembly uses shear blocks and/or screw splines.
- Side lite assembly uses screw splines.
- Immediate door frame are always closed back tubes.

Glazing and Glass

- Glass is glazed at center of extrusion.
- Exterior glass stops are removable.
- Interior glass stops are fixed and are part of the extrusion design.
- EPDM gasket recommended and provided.
- Glass infill 1/8" through 3/8".

Versatility

- Frames walls are built to match unlimited building designs.
- Horizontal locations can be adjusted to any location necessary to meet individual preference, building design, and specs.
 - Horizontal sizes available are 1 3/4", 2", 4 1/2", 6", 8", 10" and more.
- Historical Glass Stops can be incorporated to match building decor.
- Dual Finish Options available to change interior finish from exterior finish.

Finishes

- Available in standard Class I and Class II anodized finishes.
- Kynar painted fluoropolymer finishes with 10 year warranties. AAMA 2605
- Decoral® wood grain options available.
- Color charts and warranties on finishes are available on request.

Tests:

AAMA 501.1 Dynamic Pressure Water Resistance
ASTM E 283 Air Infiltration
ASTM E 330 Uniform Load Structural
ASTM E 331 Water Penetration
ASTM E 90 Sound Transmission Class



1770 Mayflower Road
Niles, MI. 49120
P: 800-806-DOOR
F: 269-697-8340
email: info@crossaluminum.com

VISIT US AT WWW.CROSSALUMINUM.COM