

WST-500 THERMAL ENTRANCES

WIDE STILE THERMAL MONUMENTAL

Cross Aluminum has designed a Thermal Wide Stile and Rail door that maintains security and strength while providing the thermal and environmental advancements the industry demands. At Cross Aluminum we strongly believe in the structural integrity of any product we sell, so the development process was highly involved. This product had to be rugged and efficient, without compromising quality or strength.

The WST 500 door series mates structural integrity with environmental awareness. This product line (as with all Cross Aluminum products) will protect and be sustainable for years and years of service.



WST-500 FEATURES



Maintenance Free- All entrances come with our standard 10 year warranty.



Forced Entry- Tested in accordance with AAMA 1304.



Therma Bar- Thermal I-Strut™ mechanically attached to all stiles and all rails.



Retro Fit- Entrances can replace any existing opening and improve efficiency.



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



Inter Lock- All entrances will be mortise and tenon construction.



Custom Configurations- Configurations to match architectural decor of building.



Secure Glaze- Extruded non-removable exterior glazing stops.



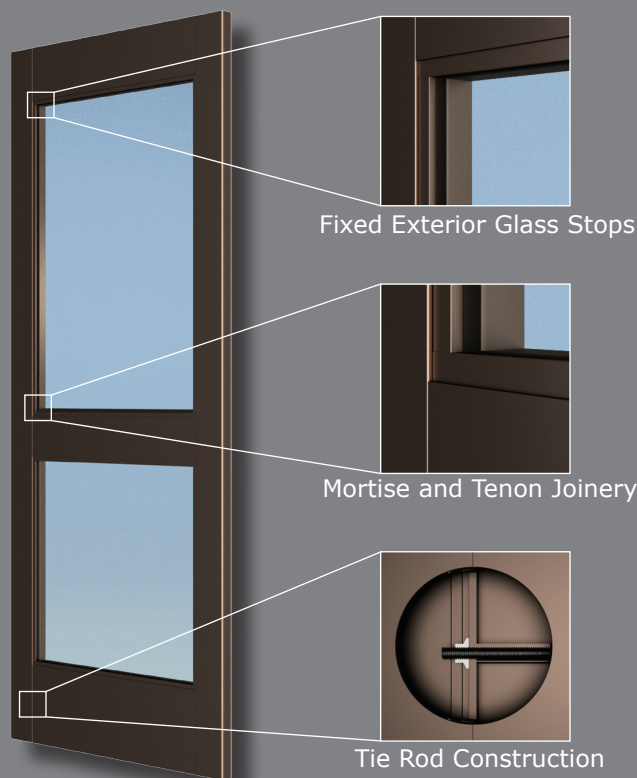
Weather Barrier- Dual Weathering Protection at meeting stiles.



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

WST-500 SERIES

WIDE STILE THERMAL MONUMENTAL



WST-500 Material Details:

- Vertical stile hardware mounting face thickness is 3/16".
- Vertical stiles are 5 inches wide.
- Horizontal rails are available from 6" to 20".
- Entrances are 2" Thick.
- Thermal I-Strut™ on all stiles and rails.

WST-500 Construction Details:

- True mortise and tenon construction at every stile and rail intersection.
- 0.375" diameter steel tie rods at every rail (2 used for larger rail sizes).

WST-500 Glazing Details:

- 1" glazing infill.
- Extruded non-removable exterior glazing retention stops.
- Interior stops to be snap-in utilizing EPDM wedge gasket.

WST-500 Finish Details:

- Custom and standard anodized, painted, and wood grain finishes.
- Exterior and interior can have different finish options on the same door.
- Anodized, painted, and wood grain finishes available.

WST-500 Environmental Details:

- CRF 64 and U-factor of 0.48.
- Secondary billet.
- Acid-etch anodize.

WST-500 Available Options:

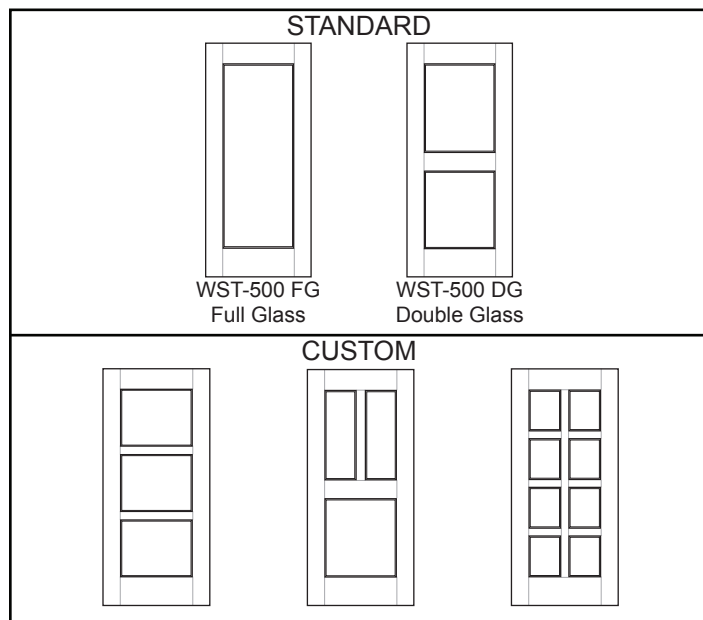
- Can be further thermally insulated using polyisocyanurate rigid boardstock.
- Can be glazed with Cross Aluminum's S-100 and FL-100 panels.
- Numerous muntin details available.
- Concealed card readers.
- Cross Aluminum's thermally-broken frame can be specified to increase entry system's overall thermal efficiency.

Tests:

AAMA 101-IS2 North American Fenestration (NAFS)
AAMA 920 Cycling Performance
AAMA 1304 Forced Entry
AAMA 1503 Condensation Resistance
ASTM E 283 Air Infiltration
ASTM E 330 Uniform Load Structural
ASTM E 331 Water Penetration
NFRC 102 Thermal Transmittance

WST-500 OPTIONS

The WST-500 entrances are constructed in a way that allows many visually-appealing options. Custom sizes and configurations of vision lites are available upon request. A few examples are shown below.



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