

# MS-375TC & WS-500TC

## Thermal Composite Entrances— by Oldcastle BuildingEnvelope®



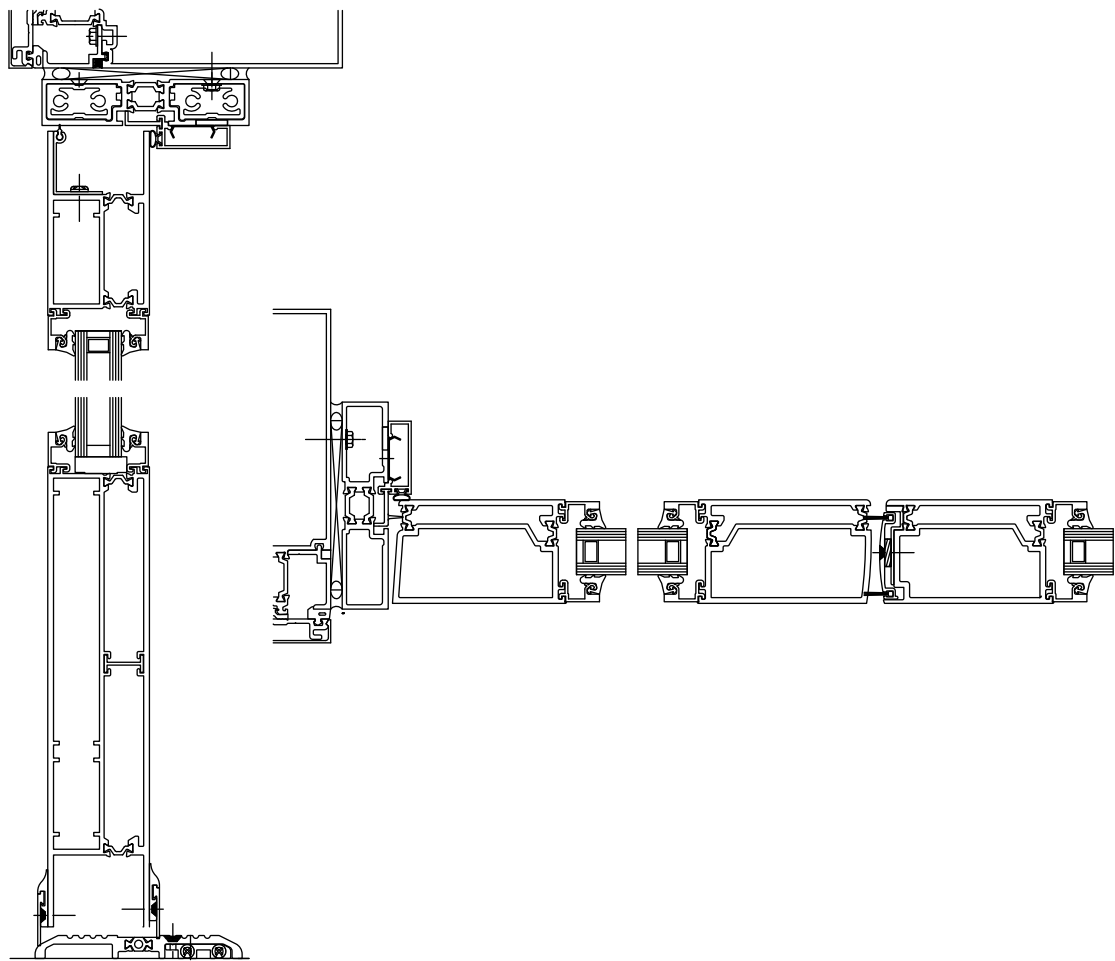
The Oldcastle BuildingEnvelope® MS-375TC and WS-500TC Thermal Composite Entrance is a high performance thermal entrance product **designed to meet or exceed today's energy codes for entrances and curtain walls**. The door is 2 1/4" thick and thermally broken using polyamide insulating strips. Only 1" insulated glazing may be used in the Thermal Composite Door and, when used in combination with Low-E glazing products, can match the performance of many of today's thermal curtain walls. The Thermal Composite Entrance is available as a single door, pair of doors, or in sets of singles separated by a 2 1/2" common lock mullion or 5 1/4" common hinge mullion utilizing a 1" x 4 1/2" deep sub-frame around perimeter of openings or 2" x 4-1/2" storefront frame.

### Features

- Door and Frame are thermally broken utilizing Polyamide Insulating Strips
- Medium and Wide Door stiles - 8" standard bottom rail with 10" option.
- Engineered for Oldcastle BuildingEnvelope® thermal curtain wall, window wall & storefronts
- Accepts 1" infill only
- Door sizing up to 4'-0" x 8'-0"
- Multiple door openings available in sets of single or pairs of doors
- Dual weathering at frame to door connections
- Thermally broken threshold
- Two-Color finishing capability



**Details**



See OBE Website for All Standard Details

**Performance**

**Test Results:**

Air: 1.57 psf <.20 cfm/ft<sup>2</sup> single door or < 1.00 cfm/ft<sup>2</sup> pairs  
6.24 psf <.50 cfm/ft<sup>2</sup> single door

Design: 50 psf

Structural: 75 psf

Forced Entry per AAMA 1304-02

AAMA 920 Cycle Test

**Thermal Performance per AAMA 1503:**

1" Low-E Solarban Z75, 90% Argon fill with Technoform spacer: U-factor = .45