# Thermal Entrances

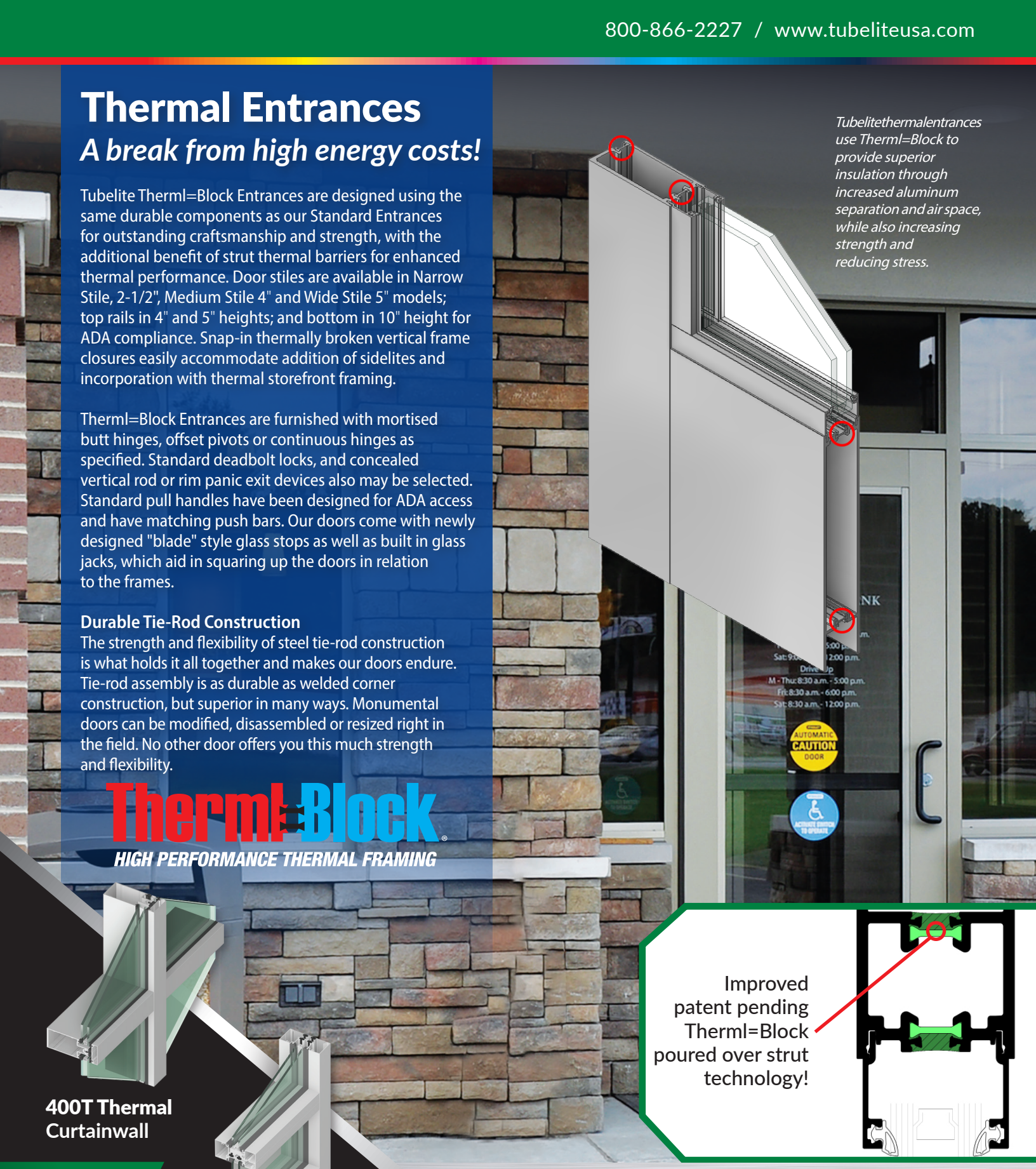
## *A break from high energy costs!*

Tubelite Therml=Block Entrances are designed using the same durable components as our Standard Entrances for outstanding craftsmanship and strength, with the additional benefit of strut thermal barriers for enhanced thermal performance. Door stiles are available in Narrow Stile, 2-1/2", Medium Stile 4" and Wide Stile 5" models; top rails in 4" and 5" heights; and bottom in 10" height for ADA compliance. Snap-in thermally broken vertical frame closures easily accommodate addition of sidelites and incorporation with thermal storefront framing.

Therml=Block Entrances are furnished with mortised butt hinges, offset pivots or continuous hinges as specified. Standard deadbolt locks, and concealed vertical rod or rim panic exit devices also may be selected. Standard pull handles have been designed for ADA access and have matching push bars. Our doors come with newly designed "blade" style glass stops as well as built in glass jacks, which aid in squaring up the doors in relation to the frames.

**Durable Tie-Rod Construction**
The strength and flexibility of steel tie-rod construction is what holds it all together and makes our doors endure. Tie-rod assembly is as durable as welded corner construction, but superior in many ways. Monumental doors can be modified, disassembled or resized right in the field. No other door offers you this much strength and flexibility.

*Tubelitethermalentrances use Therml=Block to provide superior insulation through increased aluminum separation and air space, while also increasing strength and reducing stress.*

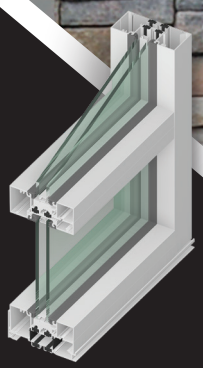



Therml=Block®
HIGH PERFORMANCE THERMAL FRAMING



**400T Thermal Curtainwall**

ALSO USED WITH



**TU24000 High Thermal Performance**

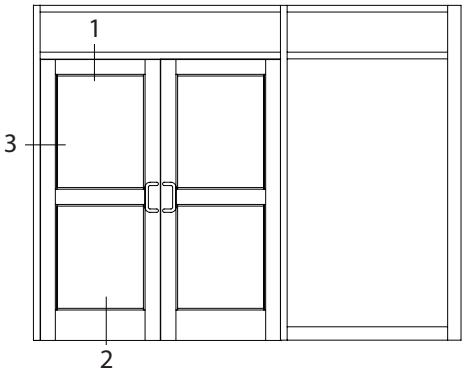
Improved patent pending Therml=Block poured over strut technology!

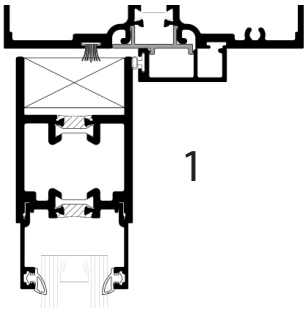


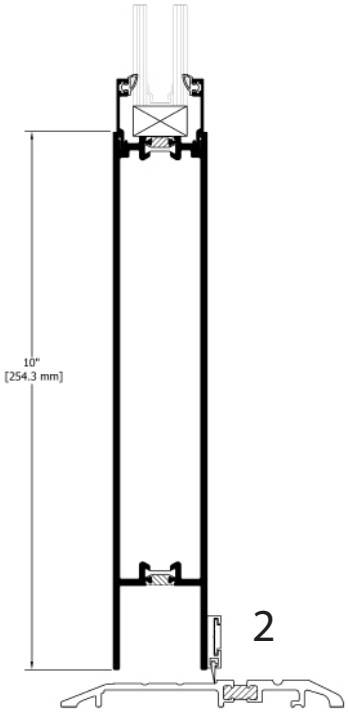
TUBELITE®
DEPENDABLE
*LEADERS IN ECO-EFFICIENT STOREFRONT, CURTAINWALL AND ENTRANCE SYSTEMS*

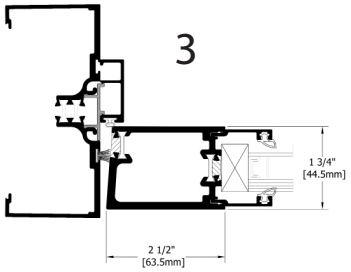
# Thermal Entrances - *A break from high energy costs!*

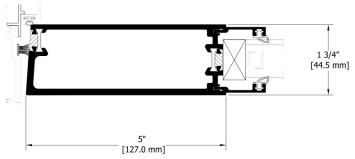
**Therml=Block**
**HIGH PERFORMANCE THERMAL FRAMING**

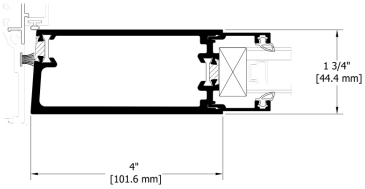



## System Features

- Dramatically reduce the transfer of hot and cold temperatures
- Fast easy installation
- Outstanding craftsmanship, strength, and durability
- Blocks interior frost buildup

Note: Dimensions do not include glass stops.

| Therml=Block Entrance Series | Narrow Stile | Medium Stile | Wide Stile |
|---|---|---|---|
| **Application** | Projects requiring high thermal performance | | |
| **Traffic** | Light to heavy | | |
| **Vertical Stile 1-3/4" x** | 2-1/2" | 4" | 5" |
| **Top Rail 1-3/4" x** | 2-1/2" | 4" | 5" |
| **Bottom Rail 1-3/4" x** | 10" | 10" | 10" |
| **Maximum Sizes** | Single: 4'<br>Pair: 8' | | |

## Therml=Block Entrance Series Product Specifications

**Application:** Thermally broken door with insulating glass for enhanced thermal performance
**Description:** Thermally broken vertical stiles and horizontal rails for energy savings and ADA compliance

| Glass: | Air Infiltration: | Structural: | U-Factor** SINGLE DOOR: | CRF: |
|---|---|---|---|---|
| 1" std | 1.0 CFM / Ft.2 @ 1.57 PSF | 30 PSF – Design<br>45 PSF – Overload | Narrow: 0.54 | Overall: 55 |

** U-Factor per NFRC 100. COG = 0.24 with warm edge spacer, 1-3/4" x 4-1/2" non-thermal frame.
Refer to the U-Factor table at: www.tubeliteusa.com/products/entrances/thermlblock-thermal-doors/ for other glass makeups and configurations.

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