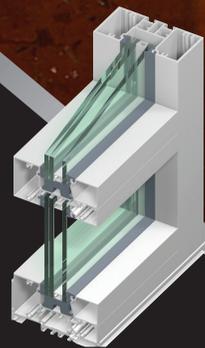




Monumental Wide Stile Doors

Tubelite® ForceFront® Blast Monumental Wide Stile entrance doors are designed for compliance with ASTM, GSA ISC and DoD requirements for charge weight and standoff. They have also passed the forced entry test [AAMA 1304-02]. These 6" Wide Stile doors are glazed with 1-1/16" thick laminated insulated glass and are wet glazed on the interior side. Transom glass in all door frames are wet glazed. Door frames are non-thermal, and are available with options for heavy-wall extrusions and steel reinforcing where required. Thresholds are equipped with bulb weatherseal gaskets and are ADA accessible. Hinging hardware options include heavy duty morised butts and continuous gear hinges. All types of locking, push/pull hardware, and door closers are allowed.

A complete evaluation performed by a Professional Engineer is required for each project.



**ForceFront® Blast
T34000 Storefront**



**ForceFront® Blast
Curtainwall**

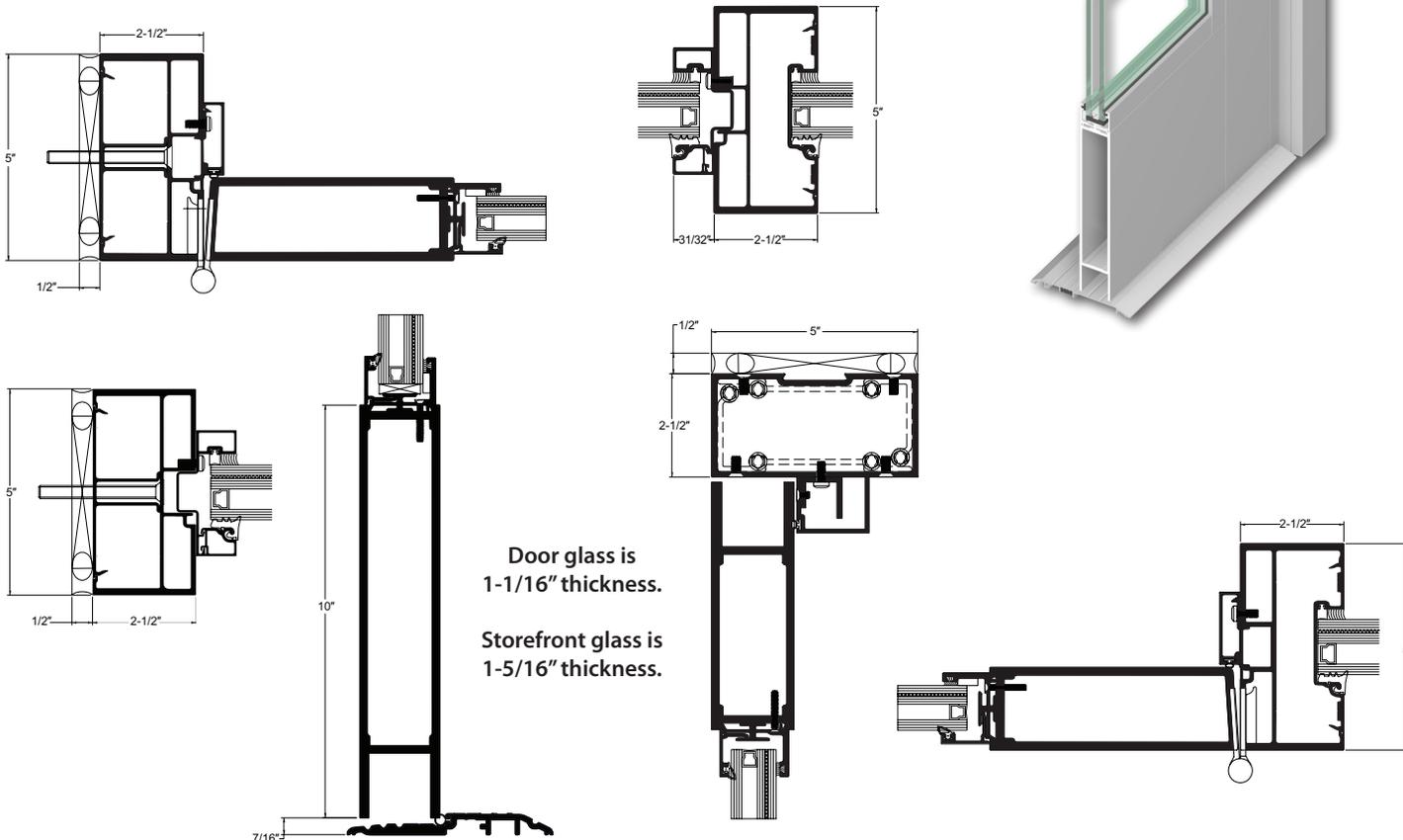
**ALSO
USED
WITH**

TUBELITE®
DEPENDABLE

LEADERS IN ECO-EFFICIENT STOREFRONT,
CURTAINWALL AND ENTRANCE SYSTEMS



Tubelite ForceFront® Blast Wide Stile Doors



Door glass is 1-1/16\" thickness.

Storefront glass is 1-5/16\" thickness.

ForceFront® Blast Monumental Door Testing

- a. Arena and shock tube testing performed
- b. ASTM F 1642-04, UFC 4-010-01, GSA-TS01-2003 protocols
- c. Glass qualified: SG
- d. Testing results:
 - Exceeds 6 psi – 42 psi-msec
 - Charge weight of 550 lbs. at 153 ft. stand-off
- e. ForceFront Monumental Doors have been analyzed in accordance with UFC 4-101-01 Oct. 2013 and ASTM F2248 Blast resistance criteria using calculation and SBEDS software, and has been found to comply with 148 ft standoff Charge Weight I, and 82 ft Charge Weight II in illustrated configurations. Each project must be analyzed separately for compliance based on project-specific charges, standoffs, product sizes, and substrates, with shop drawings prepared for each project.

ForceFront® Blast Wide Stile Doors

Application	Stile Width:	Frame Dimension	Glass Type/ Thickness	Air Infiltration	Static/Dynamic Water	Forced Entry
Single up to 3'0\" x 7'0\" Pairs up to 6'0\" x 7'0\"	6\"	2 1/2\" x 5\"	PVB 1-1/16\"	1.08 CFM/Ft.2@ 6.24 PSF 0.47 CFM/Ft.2@ 1.57 PSF	15 PSF	Pass

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