

# PRODUCT DATA SHEET



## TSS 650 THERMALLY BROKEN SECURITY FRAME

MODEL#: A-FRM-650TB

PRODUCT LINE: FRAMES

### DESCRIPTION

The TSS 650 Thermally Broken Framing System accommodates a broad range of ballistic thicknesses, making it highly versatile for security applications without compromising aesthetics or environmental needs. Constructed of 6063-T6 aluminum alloy, this robust frame is independently tested up to UL 752 level 8 for ballistic resistance. Designed primarily for exterior use, the TSS 650 Thermally Broken Framing System delivers reliable security and flexibility in any setting.

### OPTIONS

- Accommodates glazing 1 1/4" to 3 1/4" thick
- Available in a clear or dark bronze anodized finish
- Used in fixed windows, mullied windows, and door systems
- Various paint finishes
- Other custom coating options are available upon inquiry

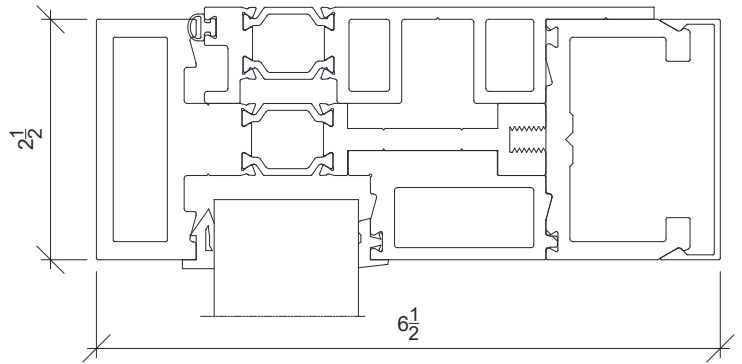
### RATINGS

- U.L. 752 - Levels 3-8
- ASTM E283
- ASTM E331

### STANDARDS

- UL 752 Standard for Bullet Resistant Materials
- ASTM E283 Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows and Doors
- ASTM E331 Standard Test Method for Water Penetration of Exterior Windows and Doors
- ASTM B221 Standard Specification for Aluminum and Aluminum Alloy Extruded Bars, Rods, Wires, Profiles, and Tubes
- ASTM B209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate

### JAMB DETAIL SHOWN



### PROPERTIES & SPECIFICATIONS W/ 0-GLZ-TIG-1005

System Size	6 1/2" Wide x 2 1/2" Tall
Material	6063-T6 Aluminum Alloy
Ultimate Tensile Strength	41,000 PSI
Yield Strength	40,000 PSI
Shear Strength	24,000 PSI
Weight	14.1 lbs/sqft
Density	0.098 lbs/cubic inch
Specific Gravity	2.7
Melting Point	1110°F
Rockwell Hardness	B60
U-Value	0.47