

## TSS BL3-2.5 | FRAMING SYSTEM

### FEATURES

- ▶ U.L. listed level 3
- ▶ Accepts glazing materials from 3/4" through 1 3/8"
- ▶ Anodized or painted finishes
- ▶ Available completely manufactured or purchased in stock lengths for job site fabrication
- ▶ Easily fabricated in the field
- ▶ Can be used in new or retrofit construction
- ▶ Components readily available

### PRODUCT DESCRIPTION

2 1/2" Glazing Channel system.

- ▶ Head, sill and jams: 1 1/2" x 2 1/2"
- ▶ Mullion: 3" x 2 1/2"

### SPECIFICATIONS

#### A. USES

Designed to defeat ballistic assaults from .44 magnum super power small arms handgun as tested in accordance with UL standard 752 at Underwriter's Laboratories.

#### B. LIMITATIONS

Cannot be used as door frames.

### CONSTRUCTION

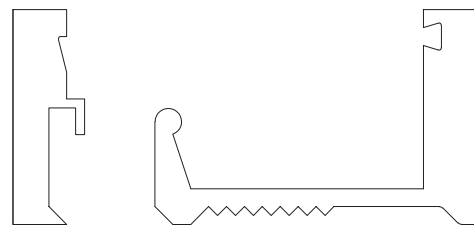
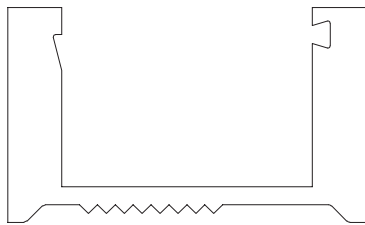
- ▶ All components will be constructed from extruded aluminum in 6061-T6 alloy/temper.
- ▶ Head and sill will be one piece extrusion with no integral weep system at the sill.
- ▶ Jams will be two piece extrusions with removable faces to allow for reglazing.
- ▶ Mullions will be three piece extrusion with removable faces to allow for glazing and individual lite replacement.

### INSTALLATION

- ▶ Apply continuous bead of sealant and anchor head, sill and jams to substrate.
- ▶ Fully seal corner joinery in glazing pocket.
- ▶ Install push-in sponge gasket.
- ▶ Position setting blocks and glaze by tucking up in heads and lower onto blocks.
- ▶ Install jamb hook stops and insert drive-in wedge gaskets.

### MATERIALS

- ▶ All aluminum extrusions shall be 6061-T6 alloy temper or equal with a minimum tensile strength (minimum 38.0 ksi ultimate, 35.0 ksi yield.)
- ▶ All fasteners shall be No. 12 TEKS zinc coated with self sealing neoprene washers. There shall be no exposed fasteners.
- ▶ The exterior glazing gaskets shall be solid neoprene (65-75 Shore "A" Durometer).
- ▶ Setting blocks shall be solid neoprene (80-90 shore "A" Durometer).
- ▶ All neoprene shall be in strict compliance with ASTM C-509-89 Type II option 1 and C-864-89.
- ▶ All joints and connections shall be tight, providing hairline joints and true alignment of adjacent members. It is imperative that tight hairline joints be maintained to assure the ballistic integrity of the system. Field cutting may be required to compensate for individual building variations and tolerances.
- ▶ Glazing or retrofit reglazing shall be performed from the exterior, providing minimal disturbance of the occupants.



## HANDLING INFORMATION

**Handling:** Care should be exercised during shipping and handling to maintain framing system appearance.

**Storage:** Store upright in a dry, well ventilated building or shelter at a constant temperature. Do not store in damp areas or freshly plastered buildings. Place unit on wood blocks at least 2" high to prevent moisture damage.

**Application:** Remove from protective container just prior to installation. Care should be exercised when installing framing system to insure that installation is level, plumb, square and secure.

**Cleaning:** You must clean the glazing unit during and after the construction period to maintain optimum performance and aesthetic properties. To clean, use a soft, clean cloth and a mild soap, detergent, or slightly acidic cleaning solution (such as vinegar). Wipe with a clean, lint-free cloth.

## TECHNICAL SUPPORT

TSS maintains a full staff of professional and experienced sales representatives, project estimators, engineers, draftsmen, craftsmen and installers ready to assist in all phases of the bullet resistant project from initial design through installation. Consult our sales department or your local representative for assistance with all your bullet-resistant needs at 1.517.223.7807.

## LIMITED WARRANTY

TSS offers a twelve month limited warranty. This warranty does not cover damage caused by neglect, abuse, vandalism, improper maintenance, accident or any other cause beyond the suppliers control not arising out of defects in material or workmanship. The warranties stated replace and exclude all other warranties. The warranty is limited to replacing products that fail to meet specification, or are defective in quality or workmanship at the time of delivery. TSS will not be responsible for (re)installation expenses or any direct or indirect loss(es) which may result from a defective product. TSS reserves the right to field inspect any product alleged to be defective. The buyer is responsible for any consequences resulting from product use.

