

TORRANCE ALUMINUM

ALUMINUM WINDOW and DOOR SYSTEMS



www.TorranceAluminum.com

2500 SERIES (THERMAL-BREAK WINDOWS)

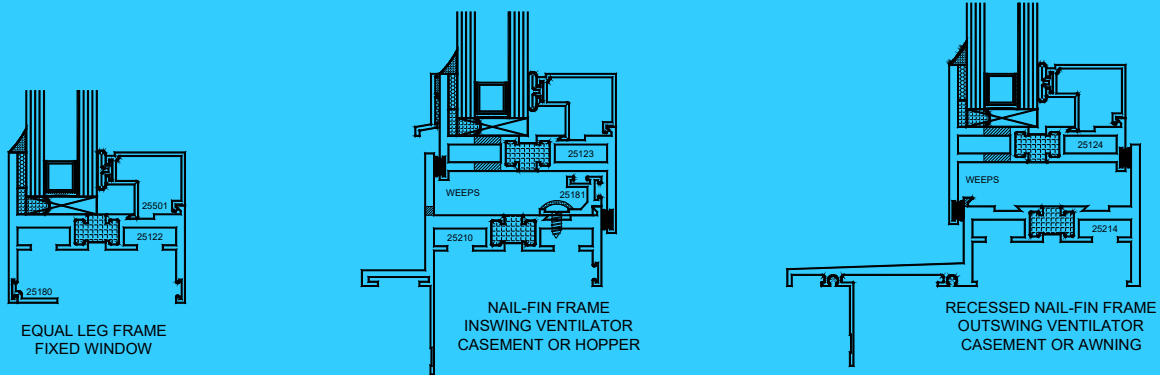
Casement, Awning, Hopper, Fixed or Combination Windows

Equal Leg, Short Equal Leg, Long Leg, Standard Nail-Fin or Recessed Nail-Fin Framing

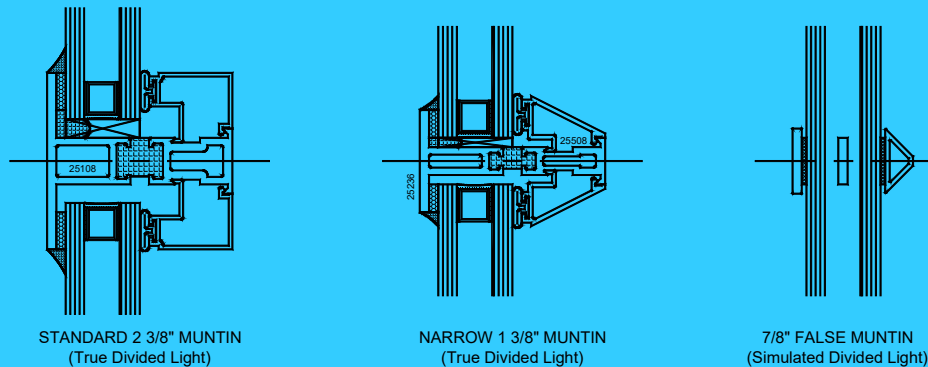
Insulated or Single Glazing — Rectangular or Sloped Glazing Beads

True or Simulated Muntins — Insect Screens with Aluminum Wire or Fiberglass Mesh

Ball Guard Screens — Receptors, Panning & Interior Trim — Sub-sill & Sill Covers



Muntin Options:



NOTE: 1" Insulated glass units are shown. Other glass thicknesses are available.

Many other framing sections are also available. Consult TAW with your needs.

Standard, ADA and specialized window hardware are available. Consult TAW.

2500 SERIES WINDOW PERFORMANCE TABLE

<u>RATING</u>	<u>CONFIGURATION</u>	<u>AIR</u>	<u>WATER</u>	<u>STRUCTURAL</u>	<u>U-VALUE</u>	<u>STC Rating</u>	<u>BLAST</u>
AW100	PROJECT-OUT/CSMT	6.24 psf	12.0 psf	150 psf	0.48	44	YES
AW60	PROJECT-IN	6.24 psf	10.0 psf	90 psf	0.48	44	NO
AW100	FIXED	6.24 psf	12.0 psf	150 psf	0.35	44	YES

Note: U-Values, STC Rating and Blast Testing are Glass Dependent!



2500 Series Specifications:

General: Windows are thermally-broken Series 2500 as manufactured by Torrance Aluminum. They include hardware and related items as described and shown on the approved Shop Drawings.

Material: Aluminum used is heavy commercial quality extruded aluminum 6063-T5 alloy with an internal polyurethane structural thermal barrier. Windows are designed for inside or outside glazing using snap-in aluminum extruded bead.

Construction: All ventilator corners shall be mitered and reinforced with extruded keys that are crimped into place. All joints are sealed weathertight. Corners of frame are closely fitted, butt-jointed and tightly joined by mechanical means. Ventilator sections will be double weather-stripped, with EPDM sponge neoprene seals keyed into extruded grooves.

Glazing: At frames and ventilators, glazing legs are 7/8" high. Glazing beads are extruded, snap-in type, no less than .050" thick and accommodate up to and including 1 1/2" glass, panels or louvers.

Finish: Class I Anodizing or Kynar 500 paint, Electrostatically applied with a minimum of 70% Fluoropolymer Resin, Class I. Matching special colors in Kynar 500 are available.

Hardware: Torrance Aluminum's standard locking hardware and hinges are securely fastened to the frame and ventilator. Standard locking hardware consists of cam locking handles cast of white bronze, and secured with stainless steel screws. Mechanical operators, motorized operators, ADA and other non-standard hardware are available.

Screens: Optional insect screens of extruded aluminum frames, securely joined at corners and finished to match window frames. Standard screen cloth is 18 x 16 fiberglass mesh. Standard wickets and attachment clips are provided as required.

Thermal Barrier: The thermal barrier consists of a two-part, chemically curing, high strength polyurethane resin. This barrier provides a continuous, uninterrupted thermal-break around the entire perimeter of frames and ventilators; and is not bridged by any metals, conductors or other materials.

Options: Compensating Channels, Sub-sills, Sill Covers, Panning, Interior Trim, Ball Guard Screens and Strap Anchors are available.

Installation: Window frames must be installed plumb, level and true without springing or twisting, and be securely fastened in place in accordance with the approved Shop Drawings and applicable building codes. Windows are to be caulked with a suitable compound; using appropriate joint design to accomplish a thoroughly water-tight installation as per the approved Shop Drawing details. Please note that Architectural waterproofing instructions would take precedence.



COMPLETED PROJECTS: (Partial List)

Loyola Marymount University (Los Angeles)	Steinberg Hart
Pepperdine University (Malibu)	HED Architecture
2000 Bryant Apartments (San Francisco)	BDE Architecture
915 Natoma Street Apartments (San Francisco)	TEF Design
950 Minna Street Apartments (San Francisco)	TEF Design
Hyatt Place (Emeryville)	Gene Fong Assocs.
Pennsylvania Apartments (San Francisco)	Elevation Architects
Sutter Apartments (San Francisco)	D-Scheme Studio
Franklin Elementary School (San Jose)	Sugimura Finney Architects
10TH Street Apartments (San Francisco)	Alan Tse/Charles Chan Arch'l Studio
Market Apartments (San Francisco)	BDE Architecture
Stanford Highland Hall (Stanford)	Steinberg Architects
17TH Street Condominiums (San Francisco)	Elevation Architects
Easterbrook Discovery School (San Jose)	ARTIK Art & Architecture
Marriott (San Jose)	Barry Swenson Builder Architecture
Onyx Apartments (Los Angeles)	TCA Architects
LA Topaz Apartments (Los Angeles)	TSK Architects

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