SAPPHIRE TOWER
SAN DIEGO, CALIFORNIA

The Sapphire Tower in San Diego is a vision come true. What would have been just a dream years before, is now a 187,000 square foot luxury high-rise condominium with full panoramic views of the Pacific Ocean.

The issue is that the southern facade of the structure, the side facing the ocean, is too close in proximity to the other buildings around it. This meant that the structure needed to have fire protection for up to 45 minutes in order to meet building code. Before fire-rated glass was available, only brick or drywall could have met this requirement; but this is where Safti First Fire-Rated Glazing Solutions, along with Quanex’s Super Spacer®, come into play.

The project was completed in November 2008, and included 10,000 square feet of fire-rated glazing on the southern facade. The units, insulated with Super Spacer, were supplied by Safti First and were complete when delivered to the site. All 182 openings of the 32 floors of the high-rise utilize the fire-rated insulating glass.
TECHNICAL DETAILS OF THE PROJECT

THE CLIENT
Sapphire Tower - San Diego, California

DEVELOPER
Centurion Partners - Newport Beach, California

ARCHITECT
AVRP Studios, Inc. - San Diego, California

GENERAL CONTRACTOR
Swinerton Builders - San Diego, California

GLAZING CONTRACTOR
Starline Windows, Inc. - Everett, Washington
Capital Glazing Contractors - Oceanside, California

WINDOW/IG FABRICATOR
SAFTI-FIRST Fire-Rated Glazing Solutions

GLAZING CONSTRUCTION
10,000 sq. feet of fire-rated SAFTI-FIRST insulating glass sealed with Super Spacer®. The opening dimensions range from 48 inches by 90 inches to 82 inches by 130 inches.

SCALE OF CONSTRUCTION
32 story residential high-rise project