



MARVIN
COMMERCIAL SOLUTIONS

W.T. WAGGONER BUILDING

Fort Worth, TX

REPLACEMENT
HIGH-RISE



W.T. WAGGONER BUILDING

Fort Worth, TX

Creative replacement and installation solution for a high-rise

The W.T. Waggoner Building, at 20 stories high, was the tallest building in Texas and the Southwest when it was constructed in 1919. The classical, U-shaped building has undergone restoration including consistent repainting to the exterior of the old wood windows every four years. When the owners approached Marvin® Windows and Doors, they were looking for a low-maintenance replacement solution to eliminate repainting costs and to preserve the look of the existing windows.

Marvin offered the best of old and new, replicating the look of the old-style windows while significantly improving on performance. Marvin's standard offering of an extruded clad aluminum with its AAMA 2605 70% PVDF exterior finish in Evergreen addressed the maintenance issue and matched the paint color used on the existing windows.

With the removal of an old window for examination, the size and depth of the existing exterior casing and its interface with the exterior stone revealed a large void that complicated the installation. Because the existing mahogany window frames were in good shape, the team decided to use the durable mahogany frames as bucks. Marvin's Kinsley casing profile – a perfect match to the existing casing – was deep enough to cover the existing casing and addressed the issue of the large void. The fit was so precise that only a small piece of quarter-round was needed to cover the gap between the old trim and new frame. This installation approach allowed the daylight opening to remain unchanged, and the installation to occur from the interior of the building, which was an added benefit.

This creative replacement solution maintained the interior trim, proved quick, and caused little disturbance to daily business conducted at the Waggoner Building. Not only was the need for continual repainting to the exterior windows eliminated, but the look of the existing windows was preserved and energy performance was enhanced.

PROJECT HIGHLIGHTS

- High performing, low-maintenance units replicated the look of the existing windows and eliminated the need for constant repainting
- Successful installation solution maintained the daylight opening and preserved the interior trim
- Non-disruptive interior installation allowed for "business as usual"



Before



After

SPECS

PROJECT TYPE

Replication/Replacement

BUILDING TYPE

High-rise

UNITS AND APPLICATIONS

Retrofit, Awning assemblies, aluminum clad exterior

ARCHITECT

Cauble Hoskins

CONTRACTOR

Haws & Tingle General Contractors

DEALER

BMC West