



# CASE STUDY



## Overview

<b>Project</b>	Bangkok Thai Restaurant
<b>Location</b>	Liberty Lake, WA
<b>Completion</b>	April 2024
<b>Architect</b>	Roma Architectural
<b>General Contractor</b>	Romane Construction Spokane, WA
<b>Clopay Dealer</b>	Continental Door Company Spokane, WA

## Clopay Products

**Vertistack #VS904U** Anodized Finishes:  
Clear, Black, Bronze

**Painted Finishes:**  
Chocolate, White, Bronze

**Glass Options:**  
Tempered, Insulated,  
Frosted and Low E

**Insulation Options:**  
R 18.4 on frames

**Spring Rating:**  
Rated at 25k Cycles

**Safety Options:**  
Photo Eyes (Concealed)  
Wireless Sensing Edge

## Bangkok Thai Restaurant Liberty Lake, WA

Clopay recently partnered with Master Authorized Dealer Continental Door Company of Spokane, WA to design and install two Vertistack full vision glass stacking doors on the new Bangkok Thai Asian Restaurant in Liberty Lake, WA.

Continental's recommendation of Clopay's new Vertistack was the perfect complement to the owner's desire for a space saving product with high visual impact and an impressive "Wow Factor".

Plans called for both interior dining and outside eating on the patio. The owner wanted a visually striking overhead door that led to the outside patio without the overhead track and door hardware on the inside. The Vertistack was the perfect product for this environment.

In addition, the design team required the overhead door frames to match the color of the buildings hollow metal door frames. In this case, Clopay's black anodized acid etch was the perfect match to the building's door frames and windows.

## Energy Efficient Design

Another major design consideration was to accommodate for the very harsh winter weather conditions often encountered in Northeast Washington state. Temperatures often hit below zero with winds and heavy snow periods for up to three months.

Continental and Clopay engineering configured the Vertistacks with the high R-Value, foamed in place, polyurethane insulated rails and stiles. The tongue and groove meeting rail with integrated section joint seals further minimizes air infiltration. Clopay's expansive array of glass options were a big plus as these Vertistacks were configured with insulated, tempered, and low E glazing to achieve maximum energy efficiencies.



## The Lights, The Lights

Many high-end Thai restaurants use lighting as a central theme to create a visually stunning effect enhancing the customer experience. With the new Liberty Lake restaurant, the owner selected over 40 custom crystal light fixtures.

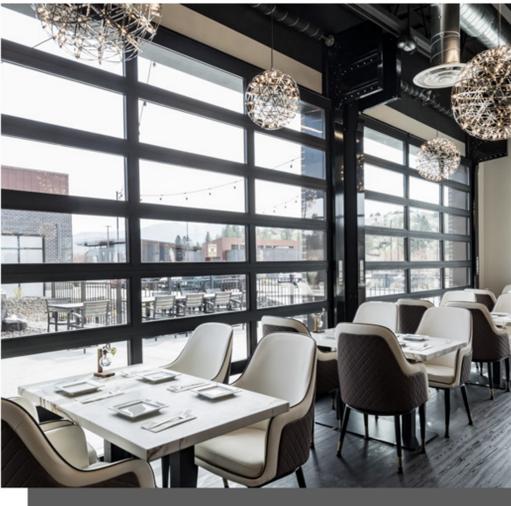
Due to the bottom of the lights hanging approximately 24" below the door opening height and suspended with custom drop cables, a traditional overhead sectional door's horizontal track would have interfered with the placement of the lighting.



## MEP Compatible

In addition to lights causing interference the HVAC drops were at 8'6" A.F.F. resulting in yet another interference issue. As the owner was not willing to compromise the location of the lights or HVAC elements, the Vertistack was the perfect product to solve the lights and HVAC interference issues.

The unique Vertistack design that works by vertically stacking the sections eliminates the need for traditional horizontal tracks. The entire door when fully open has a minimal projection off the wall, taking up minimal ceiling space, completely resolving the potential interference issues with the lights and HVAC.



The Vertistack design not only removes the horizontal tracks but eliminates the door hinges, cables and all exposed tracks creating a much cleaner and aesthetically pleasing product. Customers dining next to the Vertistacks will be impressed with the smooth, quiet, and fluid operation of these doors.

## WOW Factor

The combination of Clopay's new Vertistack high impact design with minimal impact to interior ceiling space; and Continental's on time delivery paired with an on-budget performance has exceeded the owner's expectations. She has now requested a proposal for Continental Door to retrofit two additional Spokane restaurants with Clopay Vertistacks.

Continental co-owners Norm and Marc Morse both agree that they see a huge opportunity for the Vertistack in restaurants, or any environment requiring doors where overhead clearances are limited, or owners that want a high visual impact glass door with a phenomenal wow factor.



# VERTISTACK

