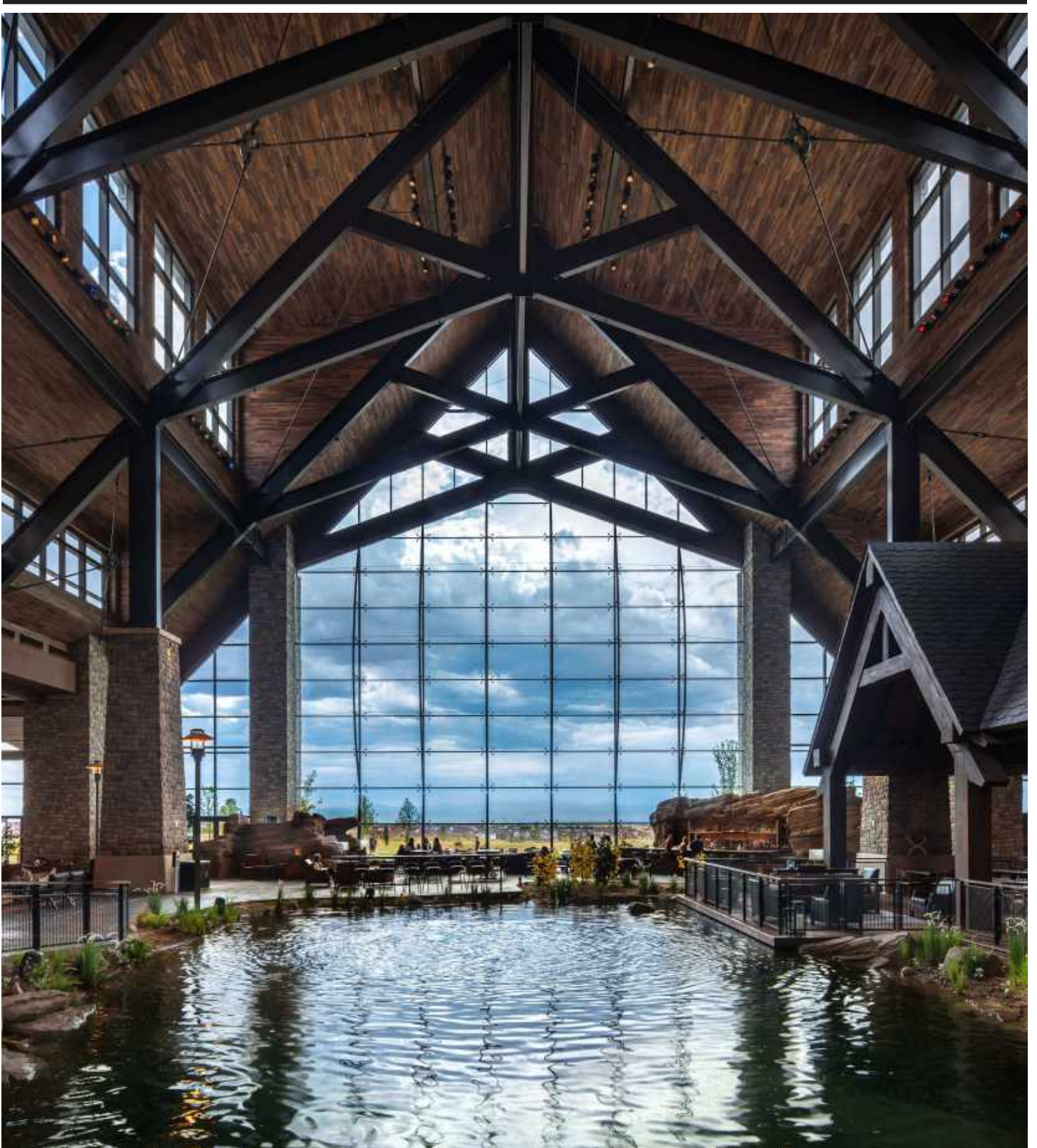


**Gaylord Rockies Resort  
and Convention Center**  
Aurora, CO, USA

Project Data Sheet

NOVUM





## Specifications

**Project:** Gaylord Rockies Resort  
**Application:** Facade  
**Location:** Aurora, CO, USA  
**Size:** 4,210 ft<sup>2</sup> / 395 m<sup>2</sup>  
**Architect:** HKS, Inc.

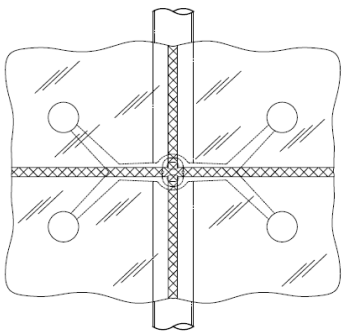
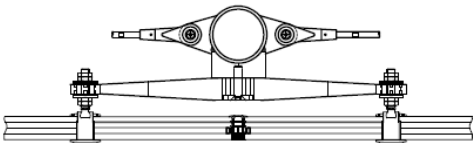
## Novum Systems

### Structural

**AES, TR:** Approximately 82' wide by 63' tall, this stunning facade is supported by a series of vertical bow trusses spaced at 10'-10" on center. Horizontal 12mm (1/2") diameter stainless steel tension rods spaced at 12' on center vertically are used to brace both the front and back chords of the trusses, enabling Novum to keep the chords of the trusses to a slender 4.5" diameter. Each bow truss rests on a 12' tall pedestal, created by continuing the front chord to the ground and adding a 4.5" diameter diagonal brace.

### Glazing

**PSG:** The glazing consists of 6' tall by 10'-10" wide clear laminated insulated glass panels with a low-e coating on the #2 surface. To maximize the spacing between vertical trusses, Novum used point supported glass with custom cast spiders that extended 1'-0" horizontally and 6" vertically from the glass joints.



## Design Solution

The goal was to create a majestic and highly transparent facade through which guests at the resort could have an unimpeded view of the Rocky Mountains on the horizon. With a vertical span of over 60' to the bottom of the roof truss, a traditional curtain wall system would have required multiple large horizontal members to back it up, blocking the view of the mountains. Instead, Novum proposed a series of delicate vertical trusses, spaced widely apart, which echoed the language of the roof trusses and required only 12mm (1/2") diameter stainless steel tension rods running horizontally across the facade.

