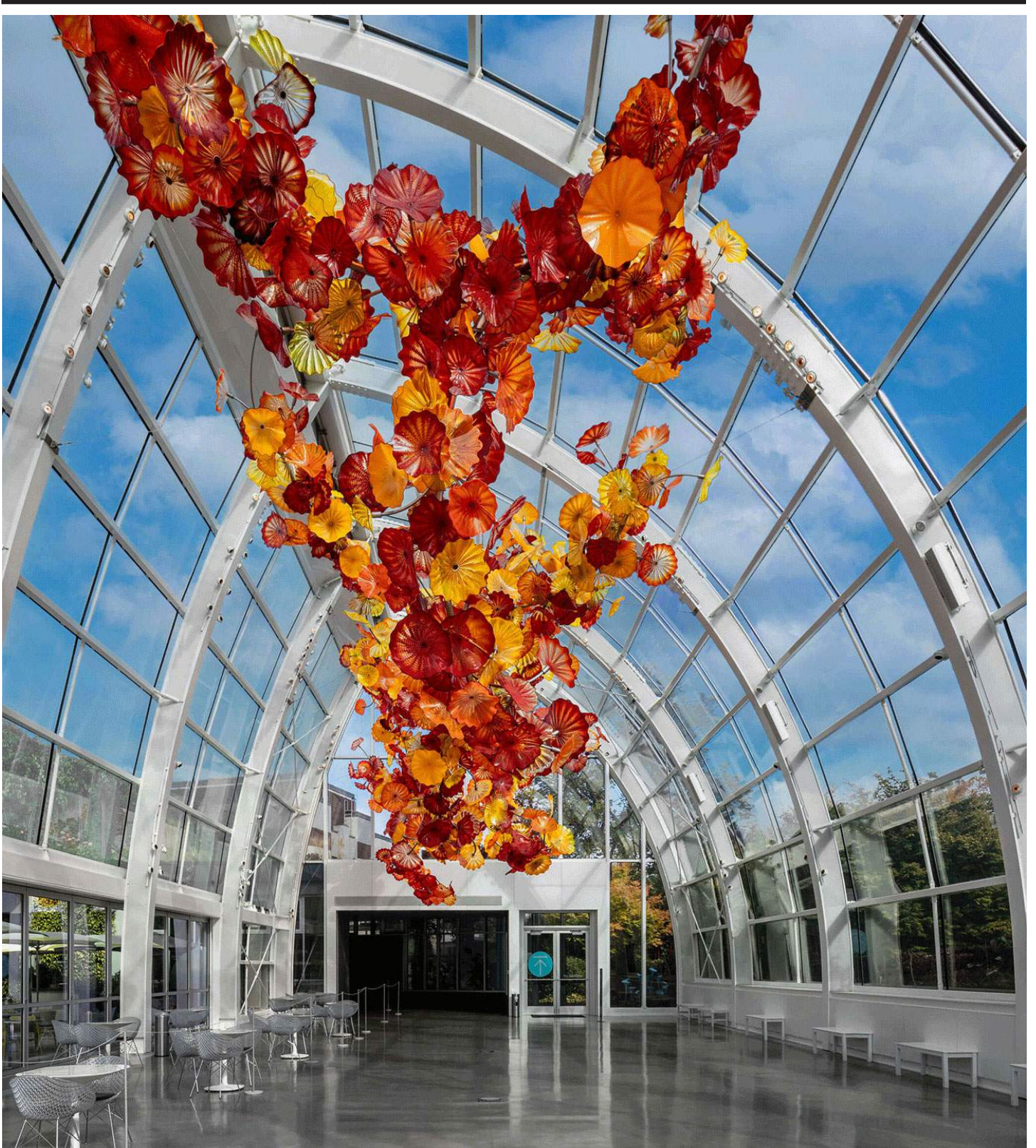


**Chihuly Garden & Glass**  
**Seattle, Washington, USA**

Project Data Sheet

**NOVUM**





## Specifications

**Project:** Chihuly Garden & Glass

**Application:** Atrium

**Location:** Seattle, WA, USA

**Size:** 11,000 ft<sup>2</sup> / 1,022 m<sup>2</sup>

**Architect:** Owen Richards Architects - Seattle, WA

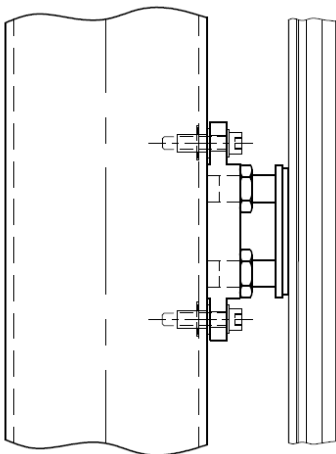
## Novum Systems

### Structural

**AES, TR:** The Glasshouse structure uses Novum's Architectural Exposed Steel System and consists of wide flange curved columns at 19'-6" O.C. forming "ribs" to create the asymmetrical shape, along with a secondary grid of painted HSS rectangular and round tubes. At the very north and south end bays of the Glasshouse, stainless steel tension rod cross bracing (Novum Tension Rod-System), 38mm in diameter, was utilized to laterally brace the atrium.

### Glazing

**ECG:** The Glasshouse is glazed with insulated clear glass with a low-E coating on the #2 surface. The vertical surfaces that form the end walls use a monolithic layer for both the outer and inner lite of the insulated panels, while the curved surfaces that form the side walls and roof use a laminated inner lite for safety. Additionally, the upper panels on the curved surfaces have a frit on the #3 surface for shading. All of the glass is fully tempered and heat soaked tested and is supported with Novum's hidden Toggle Edge Clamped Glazing System (Toggle ECG-System). The typical panel is approximately 9'-9" wide by 5'-5" tall.



## Design Solution

Novum was contracted to engineer, fabricate, furnish, and install this modern glass atrium to house and showcase a 100-foot long sculpture by Dale Chihuly. Located in the shadow of the Space Needle in Seattle, WA, the Chihuly Garden & Glass has quickly become an iconic structure. Novum became involved with this project early and worked closely with the architect to develop a solution that not only was within the owner's budget, but also achieved the architect's design goal. With its proprietary systems, Novum created a highly transparent attraction.

