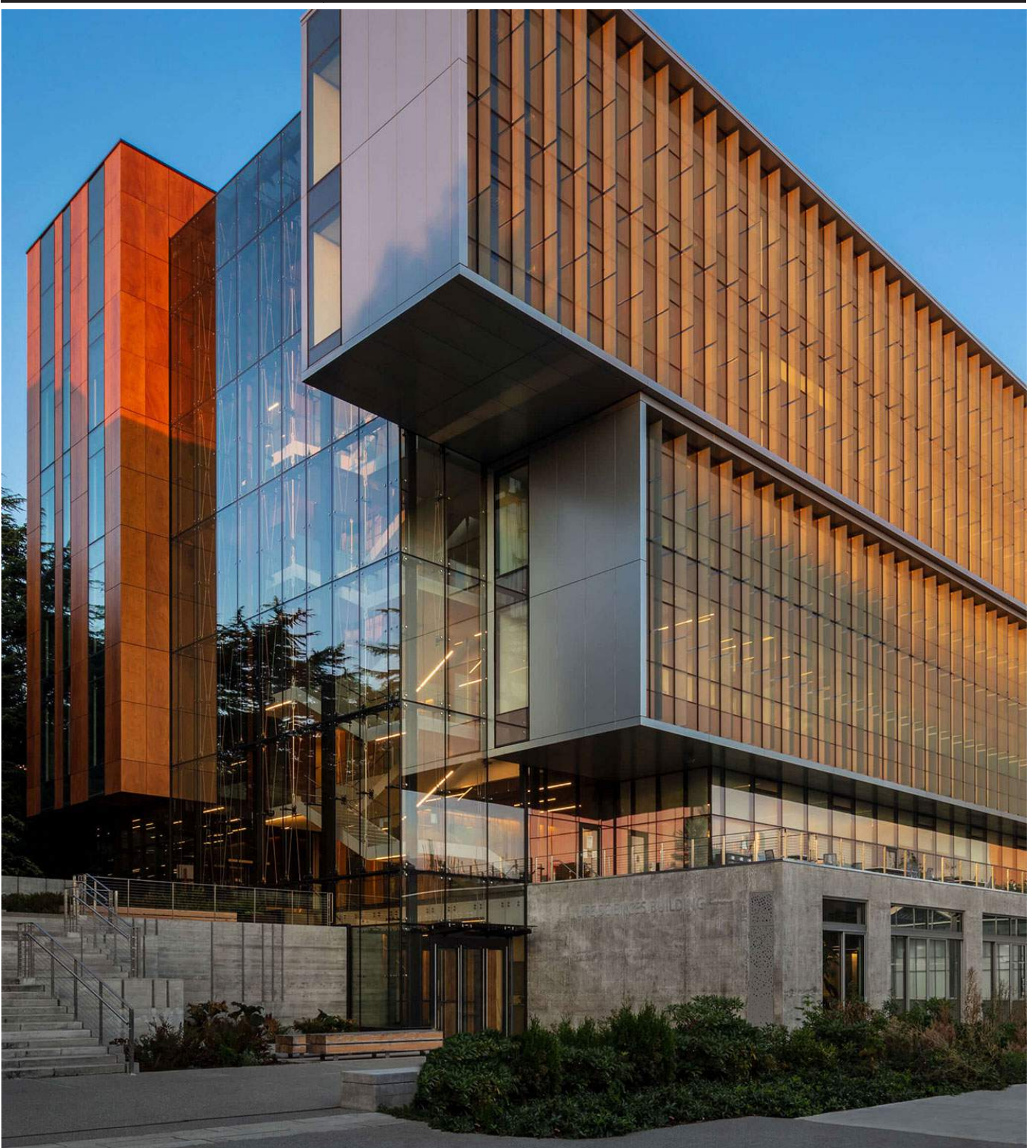


University of Washington
Life Sciences Building
Seattle, Washington, USA

Project Data Sheet

NOVUM



Specifications

Project: UW Life Sciences

Application: Façade + Canopy

Location: Seattle, WA, USA

Size: 6,520 ft² / 605 m²

Architect: Perkins + Will - Seattle, WA

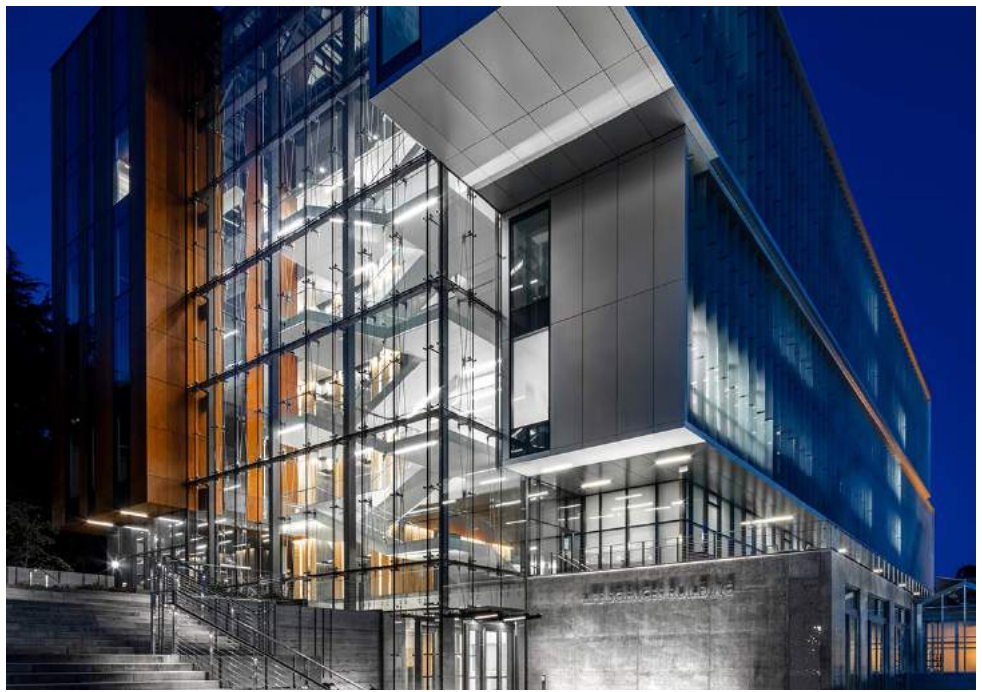
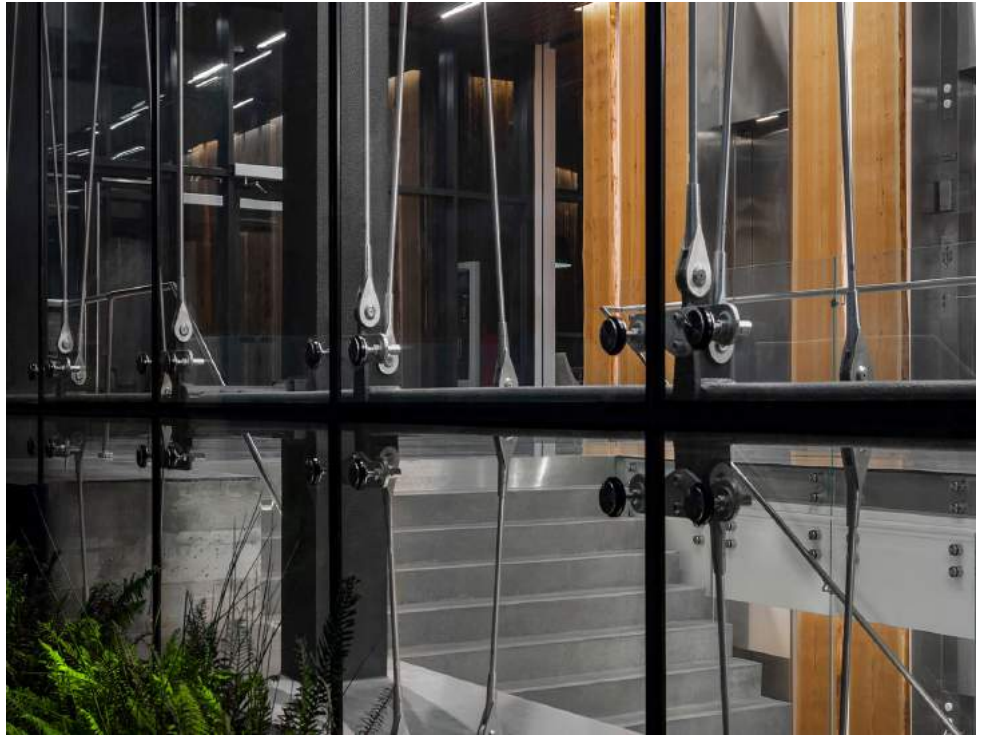
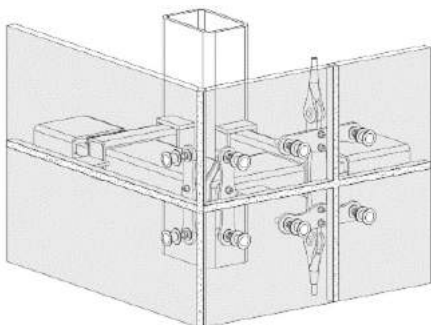
Novum Systems

Structural

AES + TR: This project consists of a façade, roof, entrance vestibule, and canopy. The façade glazing is supported by vertical tension rod trusses, which are braced at 14' o.c. by HSS10x4 horizontal girts spanning between the building columns. At the roof, Novum's steel support structure consists of HSS8x6 purlins supported by the primary building structure. The entrance vestibule is also made up of HSS tube steel. The outriggers for the canopy cantilever off the vestibule structure and are custom sections made up of HSS rectangular tubes and steel plates to create an alcove for the lighting fixtures.

Glazing

PSG: The appealing transparency of the glass façade is achieved by using 14ft tall fully tempered low-iron insulated glass panels. For energy efficiency, there is a low-e coating on surface #4 for the façade and roof, and a frit on the upper two rows of glass panels and roof. The canopy and vestibule are made up of fully tempered low-iron glass. The canopy also has a frit on #3 surface. Novum's Point Supported Glazing System is used to affix the glass to the steel structure and consists of machined finished stainless steel button head rotules and brushed finished stainless steel plate glazing arms.



Design Solution

Novum engineered, fabricated, and assembled this elegant atrium and canopy using architecturally exposed structural steel that functions as both a support structure and unique art piece. This art piece is part of the Life Science Building located in Seattle, Washington on the University of Washington campus. The nearly 100-foot-tall façade is located on the west and south side of the building and displays the building's monumental staircase. The canopy at the south side of the atrium creates an inviting entrance while providing weather protection for those entering the building.

