

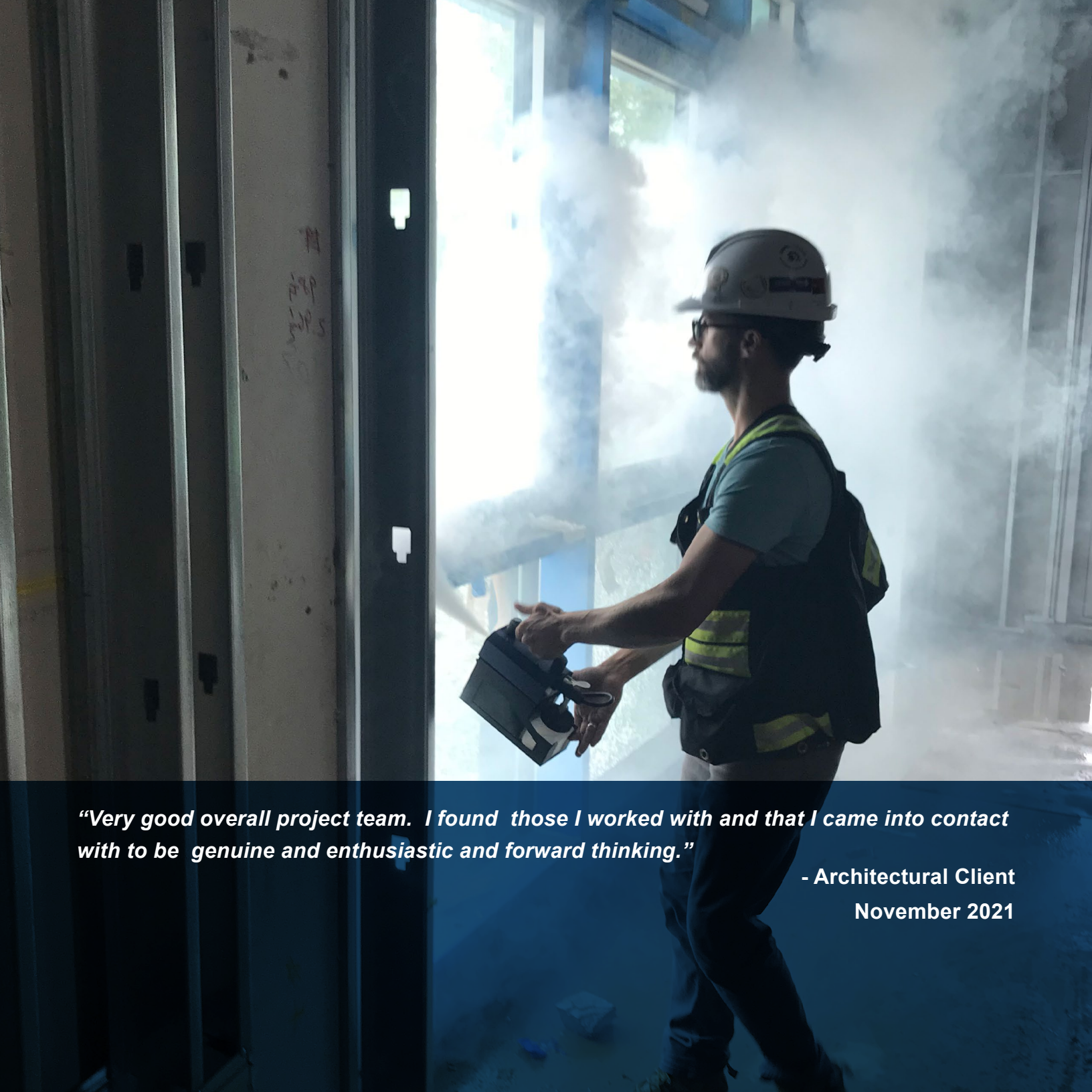


MORRISON HERSHFIELD

*People • Culture • Capabilities*

BUILDING SCIENCE SOLUTIONS  
That Make a Difference.





*“Very good overall project team. I found those I worked with and that I came into contact with to be genuine and enthusiastic and forward thinking.”*

- Architectural Client  
November 2021

# Why choose Morrison Hershfield?

**OUR CLIENTS BENEFIT** from a well-organized nimble team with local presence backed by over 1000 staff in 24 offices across North America and beyond; ensuring your project is delivered according to your vision, schedule and requirements.

- ▶ **CLIENT-FOCUSED** - Over 90% of our business comes from recurring clients. We are proud to maintain an “excellent” rating in our customer satisfaction program. Ultimately, our role is to listen to you, help you solve problems and become your trusted partner who is there whenever and wherever you need us.
- ▶ **COST-EFFICIENCY** - We help our clients increase reliability in their buildings and decrease the total cost of ownership so that they can balance their budget.
- ▶ **HIGH PERFORMANCE** - By getting to know your data center, we can help you find solutions that will drive the cost per MW down while meeting energy requirements and optimizing performance.
- ▶ **SPEED TO MARKET** - Our team understands that speed to market is of the utmost importance. We will help you meet your aggressive schedule while providing solutions that are effective, flexible and reliable.
- ▶ **CUTTING-EDGE** - Our team is comprised of dedicated, full-time data center engineers who are committed to advancing the industry and staying at the forefront of its fast-moving technological trends.

Make us your first call.



RESPONSIVE SOLUTION  
PROVIDERS



PARTNERS WITH  
OUR CLIENTS



PROBLEM  
SOLVERS



# **SALESFORCE TOWER**

## **San Francisco, CA**

**NEW  
CONSTRUCTION**

**1,070  
SQUARE FEET**

**SECOND TALLEST  
BUILDING ON THE  
WEST COAST**

**BUILDING  
ENVELOPE  
CONSULTING &  
CONSTRUCTION  
REVIEW**

Currently the tallest high-rise commercial office building in San Francisco, the tower stands 1,070 ft. tall and 61 stories. The custom curved curtain wall system with white aluminum fins and tapered sunshades create its distinctive geometric design. Morrison Hershfield provided building envelope design and field review consulting services for the roofing, curtain wall glazing, and waterproofing review for the below grade parking, plaza and bridge deck.



# VANCOUVER HOUSE

Vancouver, BC

NEW  
CONSTRUCTION

59  
STOREYS

WON MULTIPLE  
2021  
CTBUH AWARDS

BUILDING  
ENVELOPE  
CONSULTING &  
CONSTRUCTION  
REVIEW

Vancouver House is transforming the industrial downtown area by introducing over 400 market residential units, 90 market rental units within the 52-story main tower. The two 6-story triangular shaped buildings contain office and retail space. Morrison Hershfield provided building envelope consulting services for waterproofing and cladding.



# HUMBER COLLEGE BUILDING NX

Toronto, ON

EXISTING  
BUILDING

48,000  
SQUARE FEET

ZERO  
CARBON &  
PASSIVE HOUSE  
CERTIFICATIONS

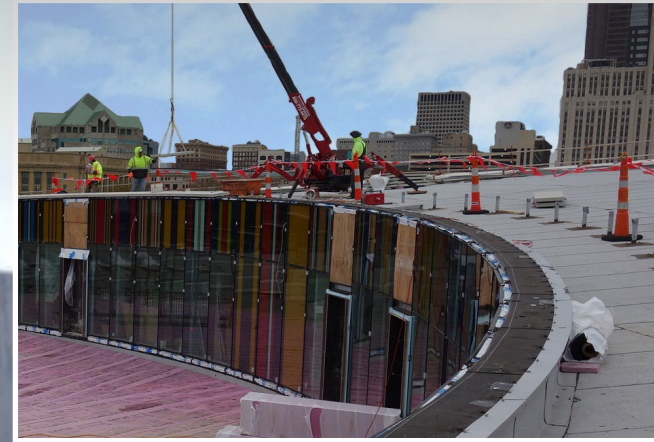
BUILDING  
ENVELOPE  
& ENERGY  
CONSULTING

Campus building Nx achieved Passive House EnerPHit Certification and Zero Carbon Building Standard – Design. Firsts in Canada for a retrofit. We worked together with our architectural partner on a deep energy retrofit with a goal to reduce Humber's source energy by 50% and associated carbon emissions by 30%. Morrison Hershfeld's role included parametric energy modeling, building envelope design and consulting, and mechanical and electrical design.



# NATIONAL VETERANS MEMORIAL AND MUSEUM

Columbus, OH



**NEW  
CONSTRUCTION**

**53,000  
SQUARE FEET**

**28 MILLION  
POUNDS OF  
CONCRETE**

**FACADE  
ENGINEERING**

The challenge of the museum was to design the infill curtain wall that spans the unusual openings, despite the concrete walls being in different, overlapping, vertical planes. Innovative yet simple, Morrison Hershfield suggested installing a typical curtain wall system completely inboard of the concrete arches, instead of trying to accommodate the unique shape of each arch. The solution greatly improved the delivery schedule because curtain wall manufacturing became independent of concrete arch installation.



# COAST MOUNTAIN COLLEGE – MODULAR STUDENT HOUSING TERRACE

Terrace, BC

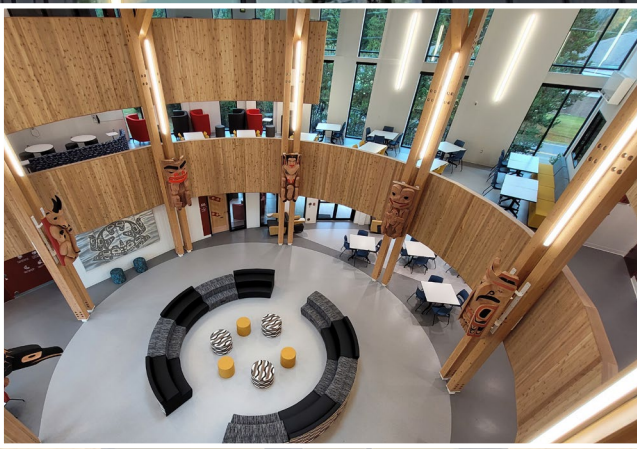
**MASS TIMBER  
NEW CONSTRUCTION**

**230,000  
SQUARE FEET**

**MEETS STEP 4  
OF THE BC  
ENERGY STEP  
CODE IN A ZONE 6  
COLD CLIMATE**

**BUILDING  
ENVELOPE  
CONSULTING &  
ENERGY  
MODELING**

The new three story, 230,000 SF Coast Mountain College Student Residence design-build project was completed in just 16 months. The building incorporates exposed heavy timber and stacked volumetric modular design and provides access to the impressive atrium community space on each floor. Morrison Hershfield applied energy modeling and building envelope expertise to help the residence meet Step 4 of the BC Energy Step Code, achieving rigorous energy efficiency and airtightness requirements in a cold climate (Zone 6).





# THE LOUISA FLOWERS APARTMENTS

Portland, OR

**NEW  
CONSTRUCTION**

**180,000  
SQUARE FEET**

**240-UNIT  
AFFORDABLE  
HOUSING**

**BUILDING  
ENVELOPE  
CONSULTING &  
CONSTRUCTION  
REVIEW**

The new 12-story Louisa Flowers building is Multnomah county's largest affordable housing structure. The project is LEED® Platinum certified, earning multiple awards including a Gold Nugget Award of Merit and Earth Advantage Green Builder of the Year Award. Louisa Flowers was also #1 in the Daily Journal of Commerce Oregon 2020 TopProjects for Affordable Housing. Morrison Hershfield provided building envelope design reviews, construction administration services and conducted field review during construction.



# CLAYTON COMMUNITY CENTRE

Surrey, BC



**NEW  
CONSTRUCTION**

**75,000  
SQUARE FEET**

**FIRST  
PASSIVE HOUSE  
COMMUNITY  
CENTRE**

**BUILDING  
ENVELOPE &  
PASSIVE HOUSE  
PERFORMANCE  
REVIEWS**

The award-winning Clayton Community Centre is North America's first Passive House community centre. The innovative project combines arts, library, parks and recreation into a single facility serving residents of Surrey. Morrison Hershfeld provided thermal analysis of building envelope, envelope reviews for meeting passive house performance requirements and airtightness / rain penetration testing.



# COLLIN COLLEGE TECHNICAL CAMPUS

Allen, TX



**NEW  
CONSTRUCTION**

**340,000 SF  
ACROSS  
FOUR BUILDINGS**

**EMBRACES  
RENEWABLE  
RESOURCES**

**BUILDING  
ENVELOPE  
CONSULTING**

The new Collin College Technical Campus includes four buildings totaling 340,000 SF with a 160,000 SF underground parking structure. This innovative project embraces renewable resources through the installation of a solar PV system, a solar hot water system, condensate reclaim system, rainwater harvesting and daylight harvesting to utility usage. Morrison Hershfield provided building envelope consulting services.



# THE CORE COMPLEX

Calgary, AB



EXISTING  
BUILDING

600,000  
SQUARE FEET

URBAN  
RENEWAL  
PROJECT

LEED  
CONSULTING

The CORE complex located in downtown Calgary is one of the largest multi-office and retail centers in Canada spanning three city blocks with a combined gross floor area of over three million SF. Morrison Hershfield provided LEED consulting for this project helping it achieve LEED® Gold certification under LEED v4.1 O+M: EB.



# 825 PACIFIC STREET

Vancouver, BC



NEW  
CONSTRUCTION

21,000  
SQUARE FEET

TALLEST  
CERTIFIED PASSIVE  
HOUSE DESIGN IN  
BRITISH COLUMBIA

BUILDING  
ENVELOPE.  
ENERGY &  
PASSIVE HOUSE  
CONSULTING

The new 21,000 SF, seven-storey cultural centre, gallery and studio space is the tallest certified Passive House design in British Columbia. 825 Pacific Street achieved nearly zero carbon emissions that meets the City's requirement for all new City owned facilities to be constructed to a zero emissions standard. Morrison Hershfield provided building envelope, energy modeling and passive house consulting services.



# MERCEDES BENZ STADIUM

## Atlanta, GA



**NEW  
CONSTRUCTION**

**2,000,000  
SQUARE FEET**

**RETRACTABLE  
ROOF MADE OF  
ETFE**

**BUILDING  
ENVELOPE  
COMMISSIONING**

The iconic stadium is 2,000,000 SF, reaches 30 stories high, with a 14.5 acre roof, and can seat up to 75,000 spectators. Morrison Hershfield provided building envelope commissioning (BECx) services including design recommendations and on-site construction review. The unique "petal roof" closing mechanism (similar to a camera shutter) was made possible due to the light-weight ETFE roofing materials. Traditional roofing materials would have added too much weight for the moving trusses to function properly.



# U.S. BANK STADIUM

Minneapolis, MN

usbankstadium

POLARIS

FIRST AID LOCATIONS

FIRST AID LOCATIONS

Mystic Lake

Mystic Lake



PENTAIR



Lite



Andersen AW



U.S. BANK  
STADIUM

1,500,000  
SQUARE FEET

FIRST ETFE  
ROOF IN A  
U.S. STADIUM

BUILDING  
ENVELOPE  
CONSULTING &  
REVIEWS OF ETFE

The 1.5 million SF home of the Vikings includes 65,400 seats, with room to accommodate 72,000 for the Super Bowl. The lightweight, asymmetrical ETFE roof lets in natural light while protecting players and fans from the elements. Morrison Hershfield provided building envelope consulting services to the general contractor including reviews of the ETFE roofing, cladding, glazing and waterproofing systems. The integrated approach allowed for one field technician to review multiple systems concurrently, reducing time and costs.





# TORONTO WATER FACILITY PROGRAM

Toronto, ON

EXISTING  
BUILDING

800  
STRUCTURES

300  
BUILDINGS

BUILDING  
CONDITION  
ASSESSMENT

Morrison Hershfield provided condition assessments of approximately 800 structures at 143 sites, including 40.5 hectare Ashbridges Bay Wastewater Treatment Plant. The structures include over 300 buildings, approximately 350 below-grade structures such as reservoirs, tanks, and chambers, and a wide variety of other structures.



FOUNDED on  
technical excellence  
and ethics.

OUR RICH HISTORY of projects provides an exposure to emerging trends in process and design technologies spanning different industry sectors, keeping us ahead of the curve. We regularly adapt and integrate these technologies into solutions for our clients. **Our passion to build and design our projects right the first time is recognized throughout the industry and in our communities.**







MORRISON HERSHFIELD

*People • Culture • Capabilities*

[morrisonhershfield.com](http://morrisonhershfield.com)