

Andrea Hellerman | Associate Director Wiss, Janney, Elstner Limited · London, UK



EDUCATION

- University of the West of England
 - MSc Facade Engineering, 2023
- University of Houston
 - Bachelor of Architecture, 2008

PRACTICE AREAS

- Building Facade Reclad
- Facade, Roofing, and Waterproofing Consulting
- Energy Performance Evaluation
- Design Review and Monitoring
- Facade Assessment and Investigation
- Repair and Rehabilitation
- Construction Troubleshooting

REGISTRATIONS

- Architect in TX
- LEED Accredited Professional
- National Council of Architectural Registration Boards

PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- International Energy Agency's Energy in Buildings and Communities Programme, Working Group on Building Energy Codes
- Member Grade of the Society of Facade Engineering, CIBSE

CONTACT

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EXPERIENCE

Andrea Hellerman is a London-based architect and facade engineer specialising in building fabric consultancy for new and existing buildings. Ms. Hellerman advises clients on facade, roofing, and waterproofing systems, with particular expertise in recladding, energy performance evaluation, forensic investigation, repair and rehabilitation design, and condition assessment. She regularly supports clients managing building portfolios across the United Kingdom, Europe, and the United States. Her work in new construction includes facade system design, specification development, peer review, and oversight of manufacturing and construction processes, ensuring seamless alignment between design intent, performance, and project delivery.

Since joining WJE in 2017, Ms. Hellerman has served as a strategic technical advisor, drawing on her background as a design architect and project leader for various complex building types, including mid-rise and high-rise structures and healthcare facilities. Her experience with international design standards, codes, and construction practices enhances her ability to analyse facade materials and systems, address complex technical challenges, and deliver effective solutions.

REPRESENTATIVE PROJECTS

Building Facade Reclad

- 17 Columbus Courtyard - London, England: Facade engineering for recladding and vertical extension of an existing office building for conversion to life sciences use
- Ariane Tower - Paris, France: Client monitoring and construction troubleshooting for facade recladding and plaza waterproofing of 43-storey office tower

Facade, Roofing, and Waterproofing Consulting

- Tribeca Development - London, England: Client-side design peer review and construction monitoring of facades for new six-building life sciences development
- 1201 Brickell Bay - Miami, FL: Waterproofing and roofing consulting for new 62-storey hotel office tower

- 321 West 6th Street - Austin, TX: Bespoke facade, roofing, and waterproofing design-assist for new 56-storey office and residential tower
- TSH Technical Requirements Development - EU and UK: Development of facade, structure, roofing, and waterproofing technical requirements for all building projects in the UK and EU

Design Review and Monitoring

- University of Texas at Austin (UTA), McCombs School of Business
- Mease Countryside Hospital - Tampa, FL
- St. Antony's Hospital - St. Petersburg, FL
- St. Joseph's Main Patient Tower - Tampa, FL
- UTA, Robert B. Rowling Hall

Assessment, Investigation, and Repair

- Confidential Building Projects:
 - Amsterdam, the Netherlands: Structural distress of precast concrete cladding
 - London, England: Laminated glazing failure evaluation
 - Barcelona, Spain: Water leakage and sunshade bracket distress at glazed aluminium curtain walling
 - Glasgow, Scotland: Staining and damage to glass-reinforced concrete cladding
 - London, England: Feasibility study of thermal performance for facade retrofit
- GIC and Various JV Partners - Multiple Properties: UK and EU: Combustible cladding assessment and technical due diligence for facades and structures
- JPMorgan - North America: Condition assessment of multifamily residential portfolio for capital expenditure planning
- US Olympic and Paralympic Museum - Colorado Springs, CO: Water leakage at custom rainscreen panel roof
- UTA, Pharmacy Building: Historic window glass breakage and water leakage

Research and Awards

- Excitation Pulse Method: Nondestructive in situ technique for measuring thermal transmittance of existing opaque walls, combined with digital simulation for enhanced analyses and validation
- The Independent - Austin, TX: Award-winning architectural design of 58-story condo tower (from feasibility to spatial coordination) *

* Conducted at previous firm