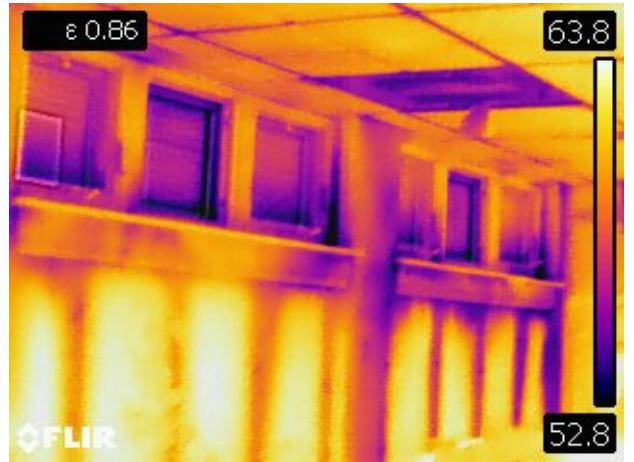
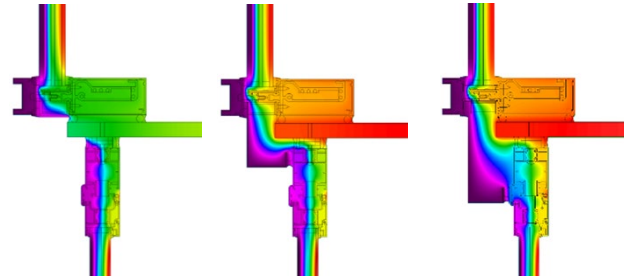


Energy Code Consulting



PRE-DESIGN CONSULTING

- Feasibility Assessment and Code Compliance Narrative
- Prescriptive and Performance Energy Compliance Pathway Evaluations

DESIGN PHASE CONSULTING

- Envelope Backstop Calculations
- Thermal Transmittance (U-Factor) Calculations
- Derating Calculations for Clearfield and Linear Thermal Bridging
- 2D and 3D Thermal Simulations
- Detail Reviews, Work Sessions, and Technical Assistance
- Energy Modeling Support
- Compliance Documentation for Permit

CONSTRUCTION PHASE SERVICES

- Whole Building Air Testing
- Field Inspections for Thermal Envelope Certificate

As building energy usage and carbon emission reductions become higher priorities across the industry, clients rely on WJE architects, engineers, and materials scientists to navigate the complexities of evolving energy codes. Whether working on historic buildings or new construction, our experts are well equipped to evaluate enclosure performance against code-mandated criteria. We help architects, engineers, and contractors interpret and apply the latest energy codes, including the MA Stretch Energy Code, to improve building performance within established project constraints.

At WJE, we view energy code consulting as an iterative process, actively engaging with the design and construction teams to successfully achieve high-performance buildings that meet or exceed code requirements

Ideally, our comprehensive service begins early in the design phase and extends through construction to verify that air tightness and thermal continuity are achieved.

We assist designers in determining appropriate energy code compliance pathways and applicable building enclosure performance requirements for their project.

Our experienced enclosure consultants also identify thermal enclosure improvements for existing buildings through diagnostic testing and thermal and hygrothermal modelling, provide conceptual assemblies that meet or exceed the current applicable energy code requirements, and analyze enclosure performance on an individual assembly or whole building basis.

