



KEY BENEFITS

- Aesthetic flexibility, for both materials and finishes
- Resilient and durable materials
- Reduces the load on the structure
- Highly energy-efficient system with lower operating costs
- Sustainable design, contains 20% less carbon than traditional concrete systems
- Integrates well with adjacent systems
- Windows pre-installed in the factory
- Single point of contact for the building envelope warranty

Infinite Facade is designed and tested to meet or exceed the following standards:

AIR BARRIER

- ASTM E2357 ::: Performance and Reliability of Air Barrier Assembly
- ASTM E283 ::: Air Leakage Rate Across a Building Material

FIRE RESISTENCE PERFORMANCE

- NFPA 285 ::: Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components
- UL 263 ::: Fire tests of building construction and materials (1 and 2 Hour Fire Ratings)
- ASTM E119 ::: Fire tests of building construction and materials
- UL 723 ::: Surface Burning Characteristic of Building Materials

WEATHER RESISTANT BARRIER (WRB)

- ASTM E331 ::: Water penetration / static air pressure difference
- ASTM D5385 ::: Hydrostatic pressure resistance
- AAMA 501.1 ::: Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes
- AAMA 503.03 ::: In-situ water test

SOUND

- ASTM E90 ::: Sound transmission loss
- ASTM E1332 ::: Rating outdoor-indoor sound attenuation

VAPOR BARRIER

- ASTM E96 ::: Water vapor transmission
- WUFI ::: Hygrothermal modeling

STRUCTURAL

- ASTM E330 ::: Structural performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
- AAMA 501.4 ::: Seismic Movement

THERMAL

- THERM Modeling and Analysis
- ASTM C1363-11 Standard Test Method for Thermal Performance (Hotbox) Energy Study Provided By Glumac

EMBODIED CARBON

- Life Cycle Assesment Report Provided by Walter P. Moore
- Mix EPD Calculator Provided by Climate Earth (In Process)

CODE COMPLIANCE

- CA Title 24
- ASHRAE 90.1
- 2018 IBC
- 2018 IECC