
# UNITIZED CURTAIN WALL SYSTEM

# ENNWALL-70

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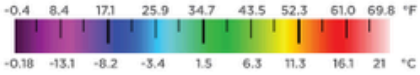
ENNWALL-70 is a sleek, high-performance curtain wall system designed for maximum versatility and efficiency. Available in any combination of SSG or capped configurations, this system integrates seamlessly with the ENNVELOP medium and large format wall system and the ENNVISION window system, for reduced installation time and enhanced project value.

- Customizable Design
- Proven High-Performance
- Design and Installation Friendly
- High-Quality Tested System
- Designed for Energy Efficiency

ENNOVA

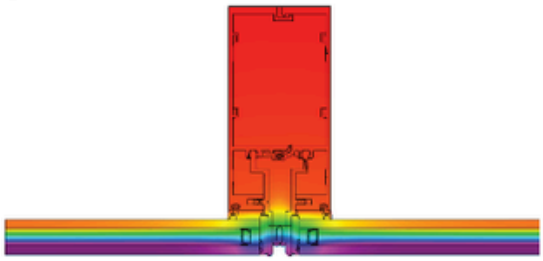
DOUBLE-GLAZED SINGLE LOW-E 90% ARGON



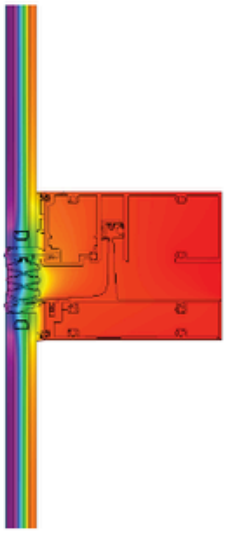

NFRC Design Temperature:

Exterior = -0.4°F / -18°C

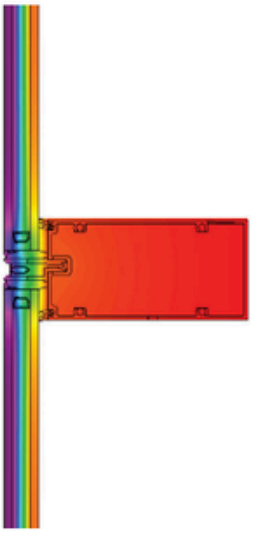
Interior = 69.8°F/ 21°C



Vertical Mullion



Expansion Joint



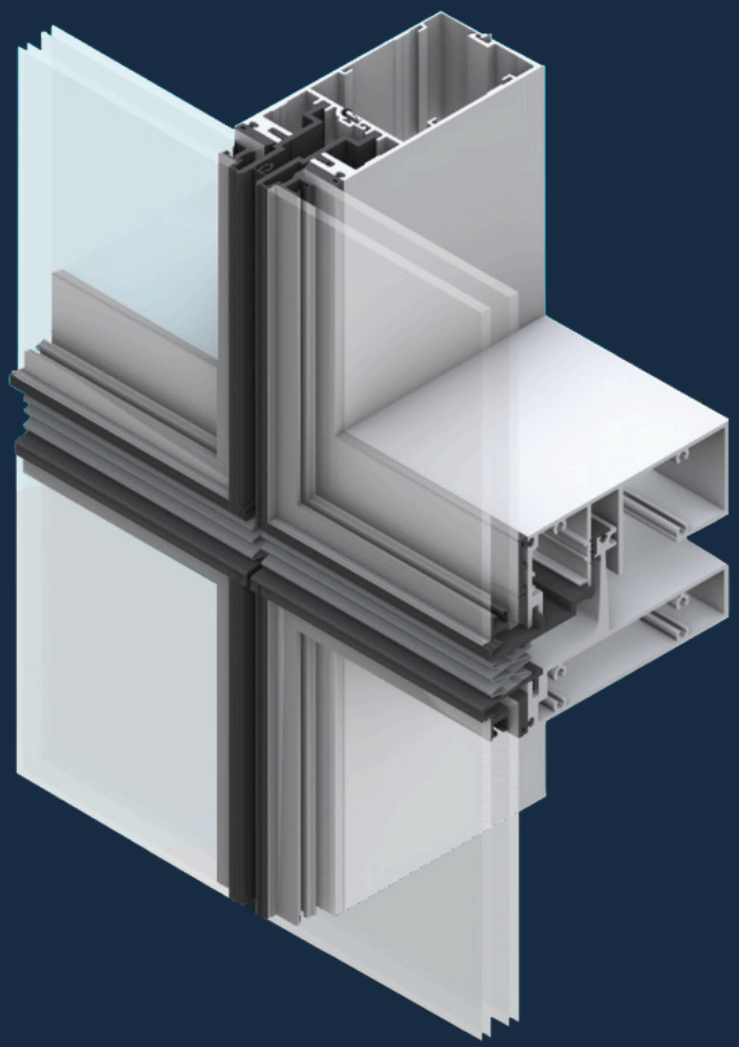
Intermediate Horizontal or Vertical

# About ENNWALL-70

The ENNWALL-70 wall system is a pre-engineered unitized curtain wall system designed to suit any project with a range of customization options.

Features:

- Uses Ennova's standard 3-way adjustable anchoring system.
- Standard stack joints are designed for +/- 20mm (3/4") of vertical movement.
- The base chassis for the ENNWALL-70 has a mullion face dimension of 70mm (2 3/4"). Both SSG and fully captured systems are available.
- Seamless design between mullions and transoms.
- Additional exterior elements can be integrated into the system design. Many infill options are available.

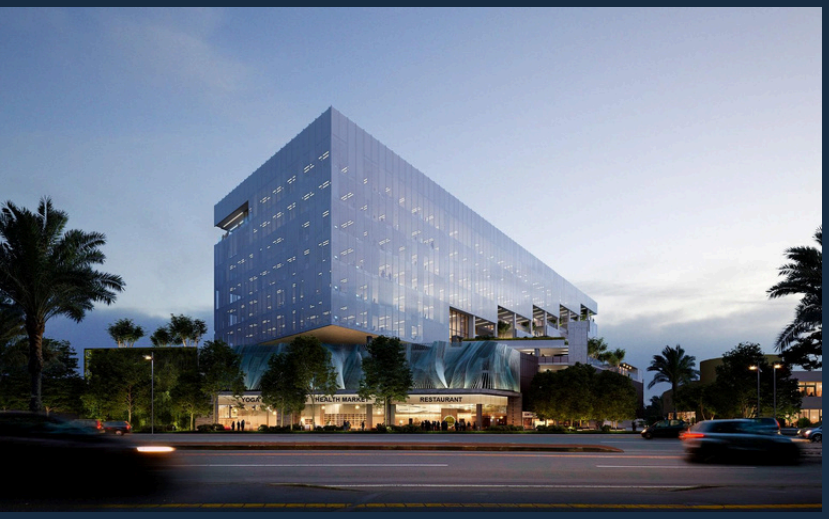


# Excellence beyond measure. Innovation without compromise.

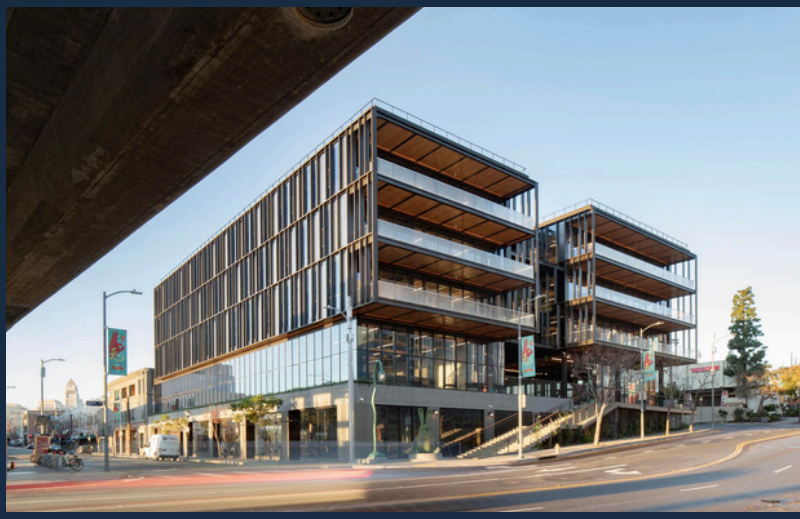
| Category | Test | Requirement | Results |
|---|---|---|---|
| Air | Air leakage at 300 psf (6.24 psf) as per ASTM E 283 | Qinf = 0.1 L/s.m² (0.02 cfm/ft^2) | 0.008 L/s.m² (0.002 cfm/ft^2) |
| | | Qexf = 0.1 L/s.m² (0.02 cfm/ft^2) | 0.009 L/s.m² (0.002 cfm/ft^2) |
| Water | Static water penetration as per ASTM E 331 | No water leakage at 15 psf (720 Pa) of static pressure difference | Pass |
| | Dynamic water penetration as per AAMA 501.1 | No water leakage at 15 psf (720 Pa) of dynamic pressure | Pass |
| Structural | Structural service load test as per ASTM E 330 at 1.92 kPa (40 psf) | Aluminum framing span less than 4220 mm (166.14 in): L/175 , Aluminum framing span greater than 4220 mm (166.14 in): L/240 + 6 mm | Pass |
| | Structural ultimate load test as per ASTM E 330 at 2.9 kPa (60 psf) | No damage or failure observed, permanent deformation does not exceed 2/1000 | Pass |
| | Inter-story lateral drift as per AAMA 501.4 (3 cycles) at 19.1mm (3/4") | Visual inspection will be made at each displacement, no fallout of glass or infills permitted. Air leakage, water resistance performance must be maintained, structural integrity of the wall is not compromised. | Pass |
| | Ultimate Inter-story lateral drift as per AAMA 501.4 (3 cycles) at 70 mm (2.75") | Visual inspection will be made at each displacement, no fallout of glass or infills permitted. | Pass |
| | Vertical live load differential movement as per AAMA 501.7 (5 cycles) at 19.1mm (3/4") | Visual inspection will be made at each displacement, no fallout of glass or infills permitted. Air leakage, water resistance performance must be maintained, structural integrity of the wall is not compromised. | Pass |
| | Concentrated load test on window | Concentrated load test on window washing anchor pull test, the window washer pin and receptor installed on the mock up was subjected to the following individual loads:<br>• 2.67kN (600 lbs) – Right<br>• 2.67kN (600 lbs) – Left<br>• 2.67kN (600 lbs) – Upwards<br>• 2.67kN (600 lbs) – Downwards<br>• 2.67kN (600 lbs) – Outwards" | Pass |
| Thermal Cycling Test per AAMA 501.4 | Thermal Cycling Test per AAMA 501.4 | Three (3) cycles from 85°C (185°F) for summertime conditions to -28°C (-18.4°F) for wintertime conditions at an indoor temperature of 21°C (70°F) with interior relative humidity of 30% ± 5%. | Pass |
| | Condensation Resistance Test per AAMA 501.4 | During the last wintertime condition cycle, the equilibrium will be maintained for eight (8) hours at -25°C (-13°F) while maintaining interior temperature at 21°C (70°F) and interior relative humidity at 30% ± 5% which equals to 2.8°C (37°F) | Pass |

# NOTABLE PROJECTS

# ENNWALL-70



Entrada - Los Angeles, CA



843 N Spring Street - Los Angeles, CA

Dorian Hotel - Calgary, AB


Chemical Bank Tower - Detroit, MI

**Applications Include**

Hospitals and Medical Facilities
Educational Institutions
Mixed-Use Tower Complexes
Government Facilities

**Our Clients Include**

Architects
Engineers
Construction Managers
Project Owners

620 Sprucewood Ave, Windsor, ON N9C 0B2
519-969-1740
solutions@ennovafacades.com
ennovafacades.com

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