

Gutmann North America

210 Adrian Case Study



Architect: *FLAD Architects*

General Contractor: *Level 10 Construction*

Year of completion: *2025*

Design Assist Services:

- New development and design
- Structural Calculations
- NFRC 100 Simulations
- Mockup construction & Testing
- Fabrication and glazing

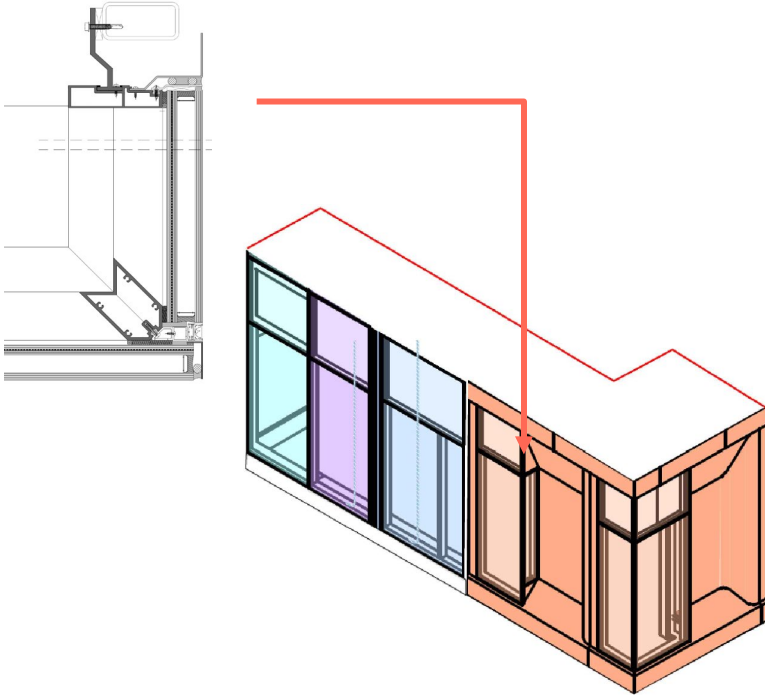
Project Description

Avia Labs an all electric new development project with LEED Gold and Fitwel Certifications. Planned onsite amenities include a fitness center, conferencing spaces, bike storage with showers, 3rd floor terrace with mountain views, and a publicly accessible café.

Gutmann North America Delivered full design assist services for this 50,000 sqft research facility, including executing on challenging design features including 4.4m unsupported spans,, protruding and recessing GFRC panels perpendicularly fixed to curtain wall elements, Integrated LED Lighting.



Project Details



Challenges

*Perpendicular integration of
GFRC panel / unitized system*



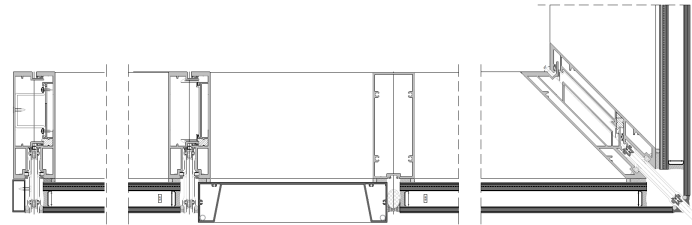
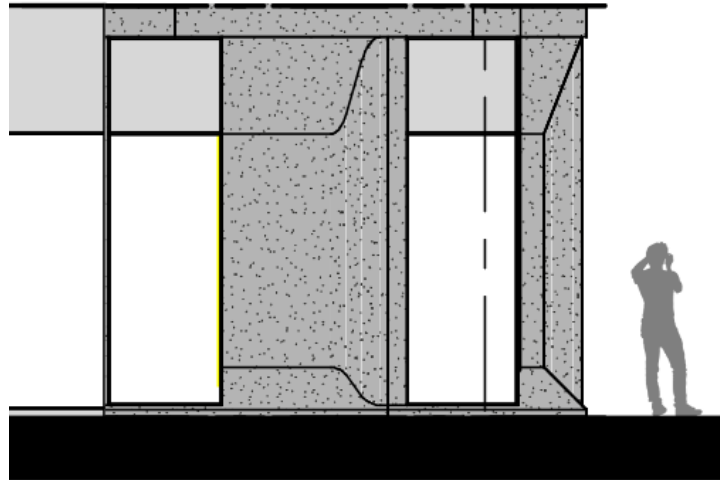
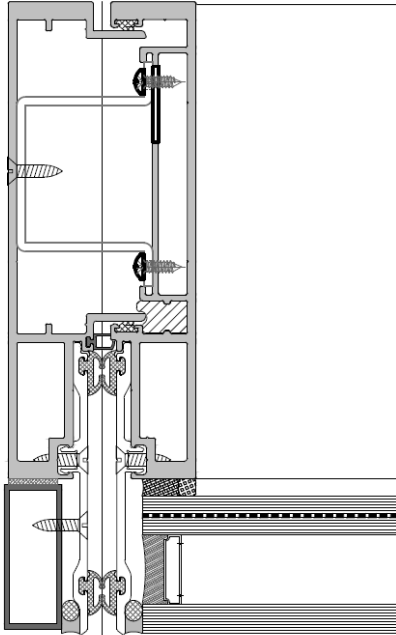
Solutions

*Custom die for cover profile to
achieve perpendicular GFRC
panel junction*

Avia Labs

Project Details

ALUMINIUM SHAPED BY GUTMANN



Solutions

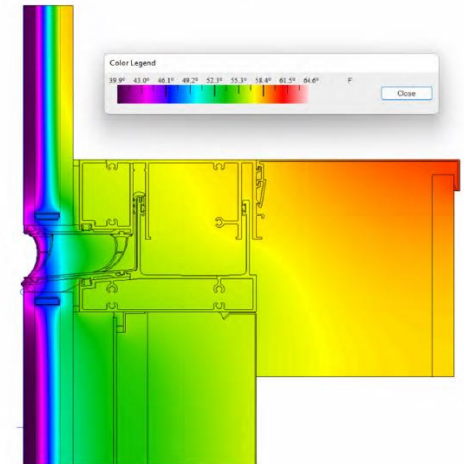
Large Spans

*STAAD Structural analysis for 4.4m,
6.2m, wind load resistances achieved
with standard mullion*

ASTM E330 – Uniform Structural Load
ASTM E283 – Air Inf/Exf (Dry)
ASTM E331 Static Water
AAMA 501.7 Dynamic Repeat Water

ASTM E330 – Structural Deflection
ASTM E283 Repeat Air Inf (Wet)
ASTM E331 Repeat Static Water
AAMA 501.4-18 – Interstory Movement

NFRC 100
WT1 – 0.27 Btu
WT2 – 0.31 Btu



Avia Labs

Site Progress

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Site Progress

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IDEAS ARCHITECTURE
TECHNOLOGY ENERGY
INNOVATION VALUES