#### . १९८००००००० एत अस्तातंत्रकतातः । इत्तित्वत्तात्ताते दृष्ठि स्थायव्यवस्तातः

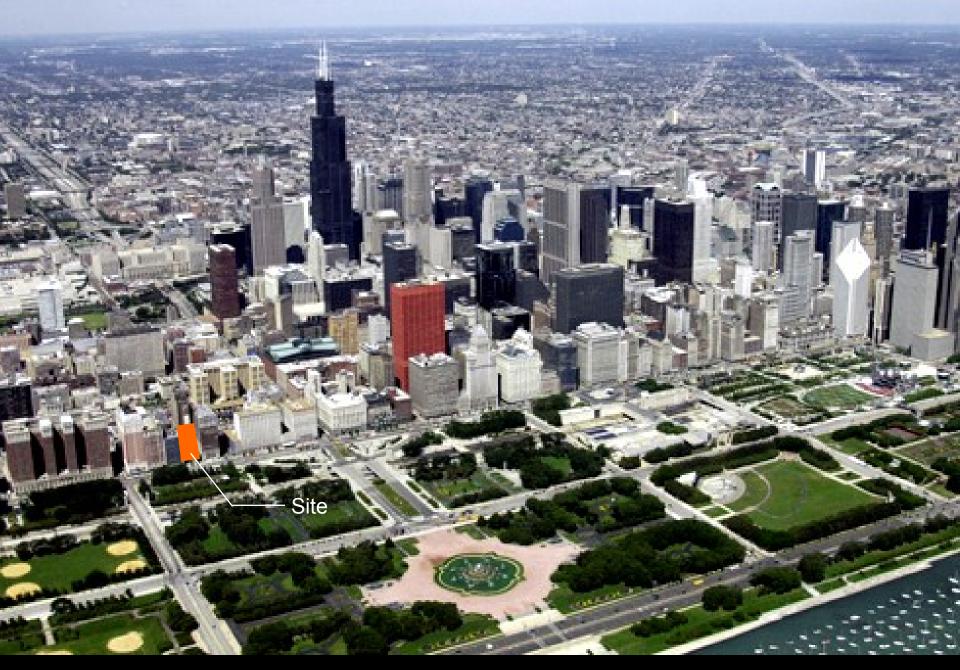
## The Evolution of High Performance Façade Design

Mark Sexton, FAIA, LEED AP BD+C Krueck + Sexton Architects

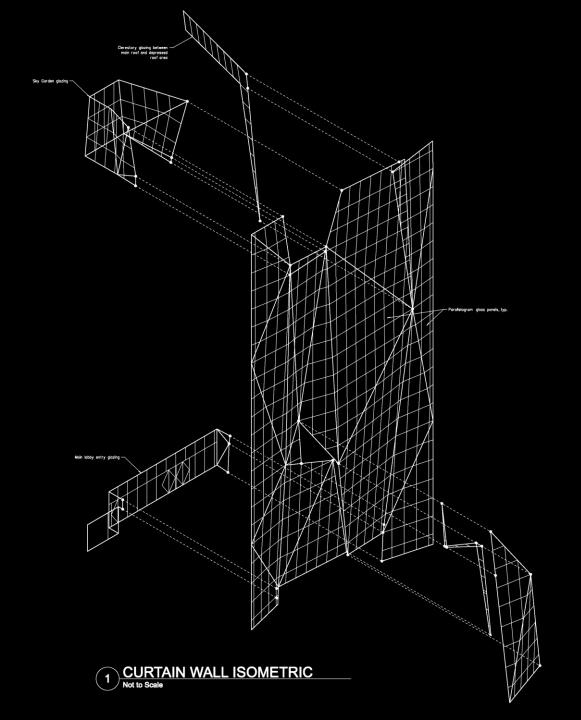


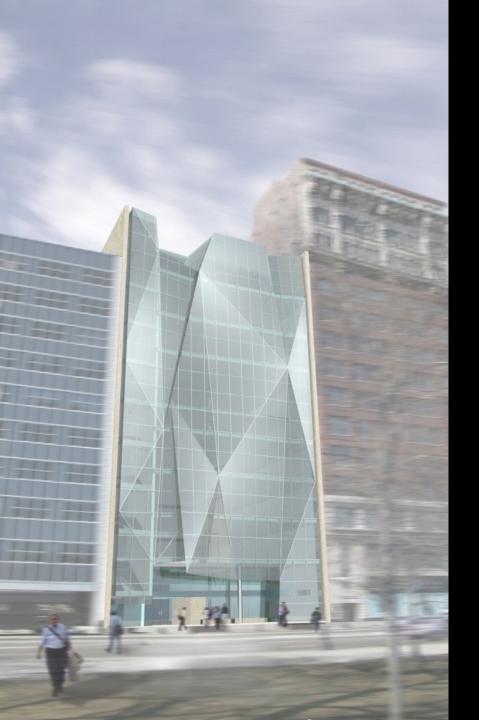
Broadening the Perspective of Technology in Architectural Practice is registered with AIA CES.

Online + Components: **TAP101912W**Stanford CIFE Live Event: **TAP101912S**Questions? Contact tap@aia.org



SPERTUS INSTITUTE CHICAGO, IL





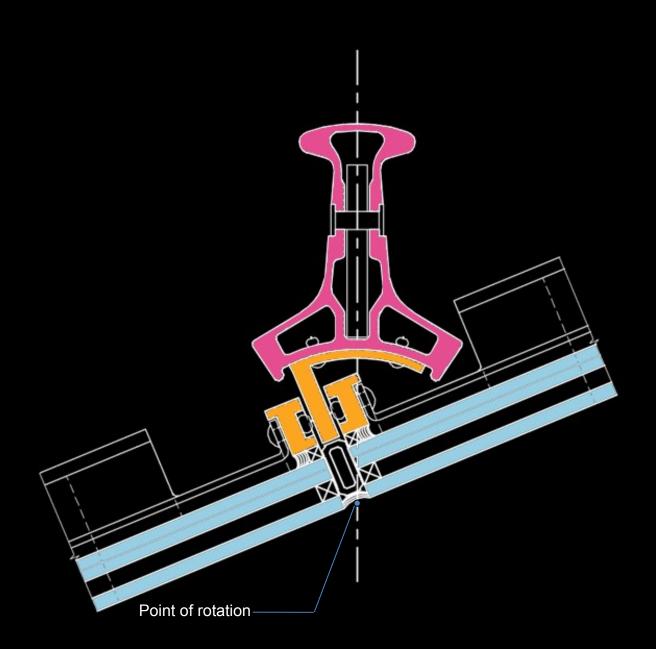
#### "ENGINEER/BUILD AT RISK"

- 15,700 SF Curtain Wall Façade
- \$3M (\$200/SF)

# SEELE ASI GARTNER

- + COMPLETE DESIGN DOCUMENT PACKAGE
- + GUARANTEED MAXIMUM PRICE (\$3M)

### or \$25k STIPEND & OPEN PUBLIC BIDDING





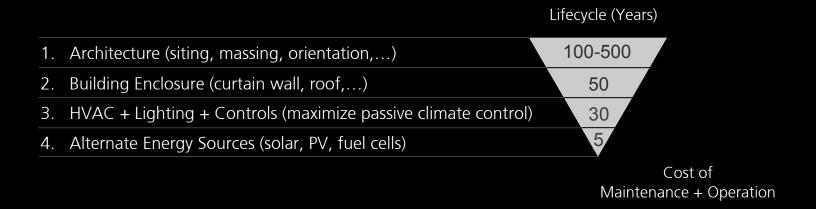




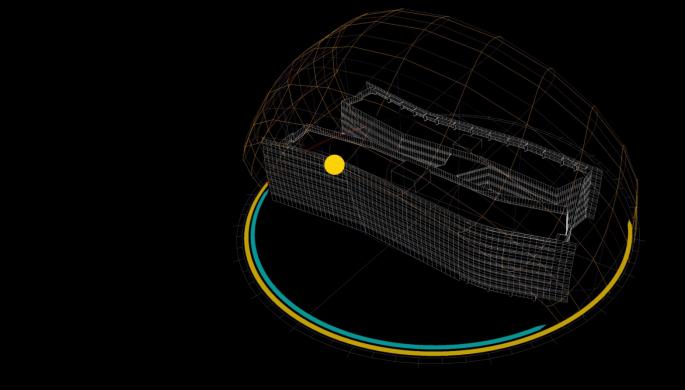


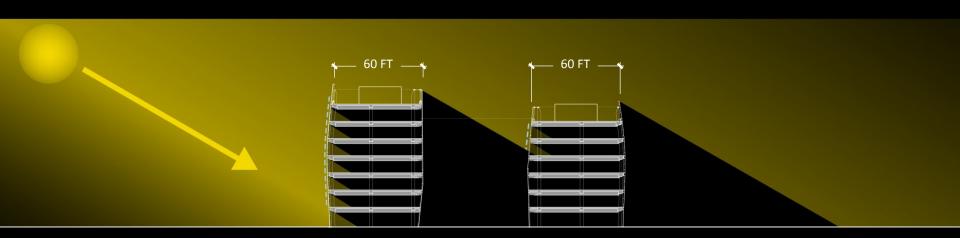


FEDERAL OFFICE BUILDING MIRAMAR, FL



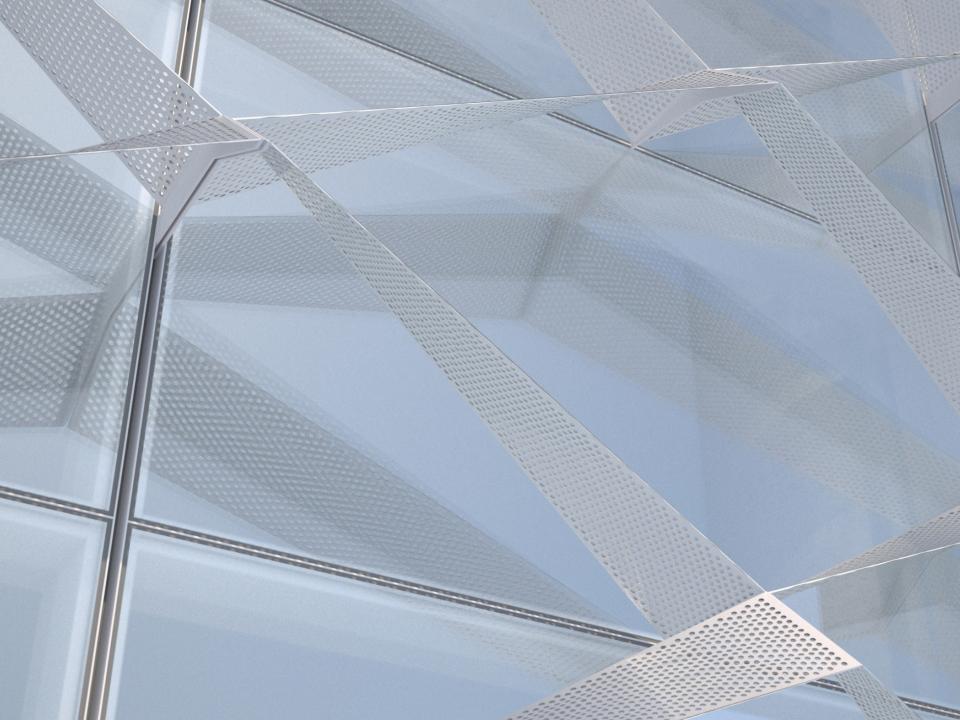
KEY: Flexibility & Adaptability for Future Technologies

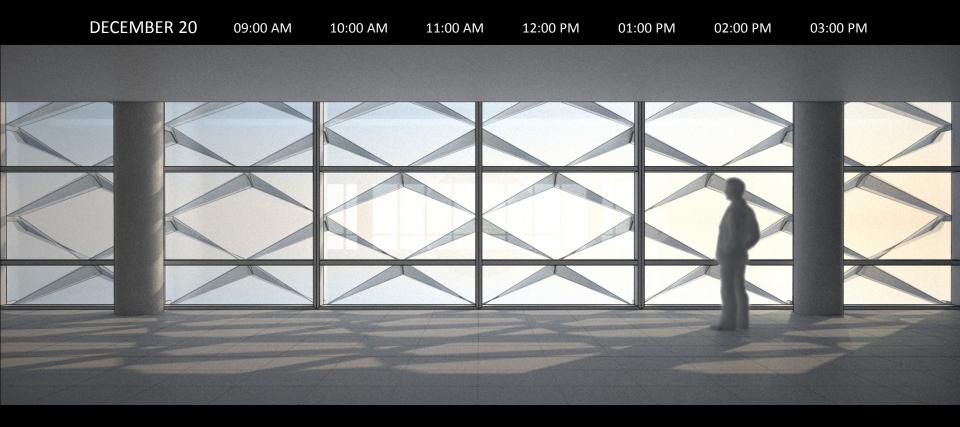


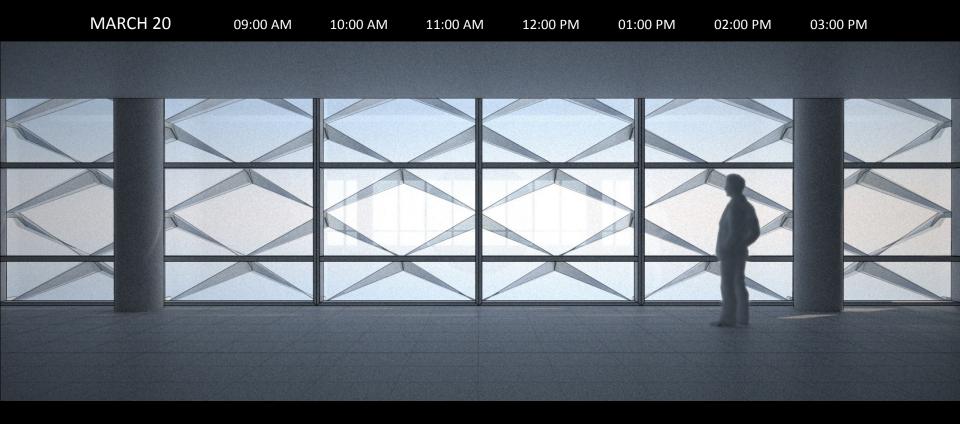


**SUN SHADES** 

SUN SHADING ON DOUBLE BAR DESIGN - E/W ORIENTATION

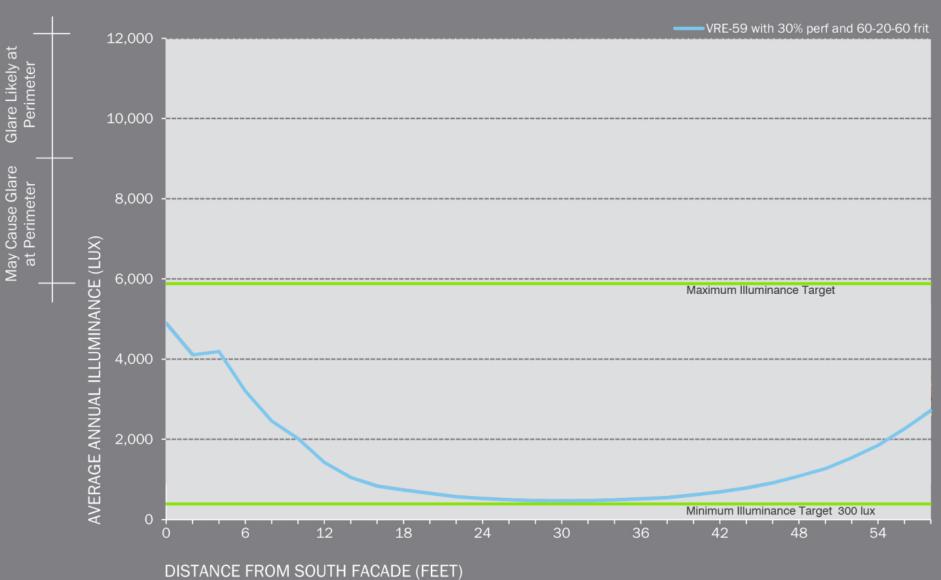


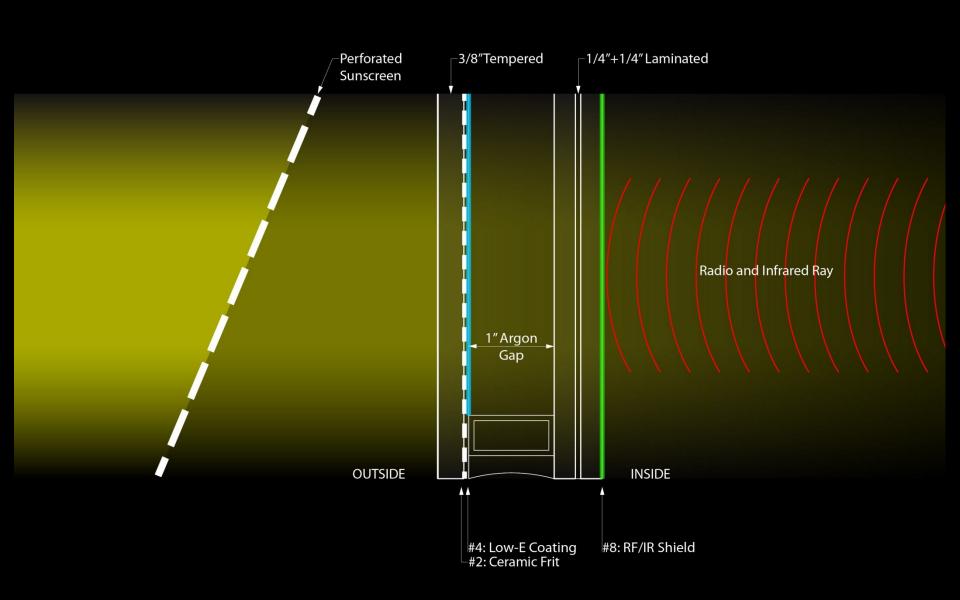


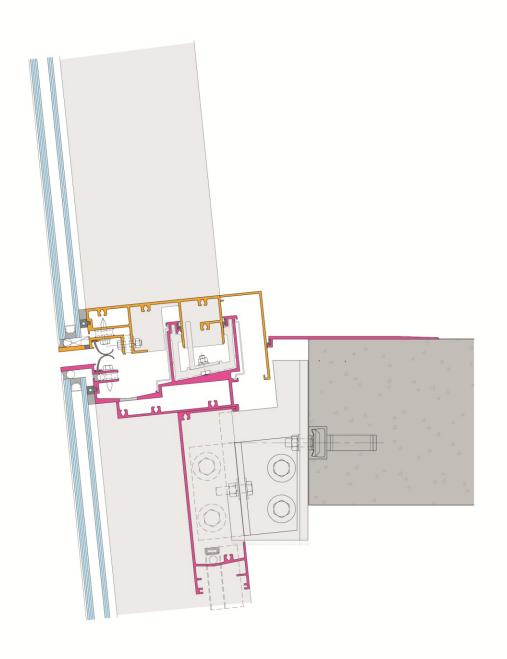


#### South Building Average Annual Illuminance

GSA Federal Office Building, Broward County, FL Standard scale







## Optimize

To make as effective, perfect, or useful as possible

Concept Design

1,276 Rectangular Glazing Panels

22 Different Types

→ Coordination Nightmare

#### Optimized Design

1,276 Rectangular Glazing Panels

3 Different Types

- → No Design Compromise
- → Significant Cost Reductions
  - Engineering
  - Coordination
  - Fabrication
  - Installation

