

# DYNAMIC SKINS:

## Exquisite Chimeras

Whereas the status quo in building envelope design tends toward the static, immutable, and easy to maintain, the goal of this workshop is to explore the potential of dynamic building skins. zkinetic, interactive, or living, among others. We will consider the performance of dynamic skins as both the numerically quantifiable functions pertaining to human comfort and energy efficiency – such as heat transfer, daylighting, humidity transfer, or solar energy harvesting – as well as the qualitative social and communicative characteristics. different entities – to propose innovative dynamic skins.

We will use the concept of exquisite chimeras – hybrids formed by combining features of different entities – to propose innovative dynamic skins. We will study biological and architectural progenitors and discover the opportunities that emerge when joining them. The principles of these hybrids will be translated into the design of a dynamic skin at the architectural scale. Through physical scaled prototypes and animated sectional axonometric drawings, we will explore the dynamic nature of these new skins and the spatial implications on either side of them, addressing their response to environmental phenomena and the interaction of humans or other species over time.

### PROFESSORS

**Olga Mesa + Nathan Fash**

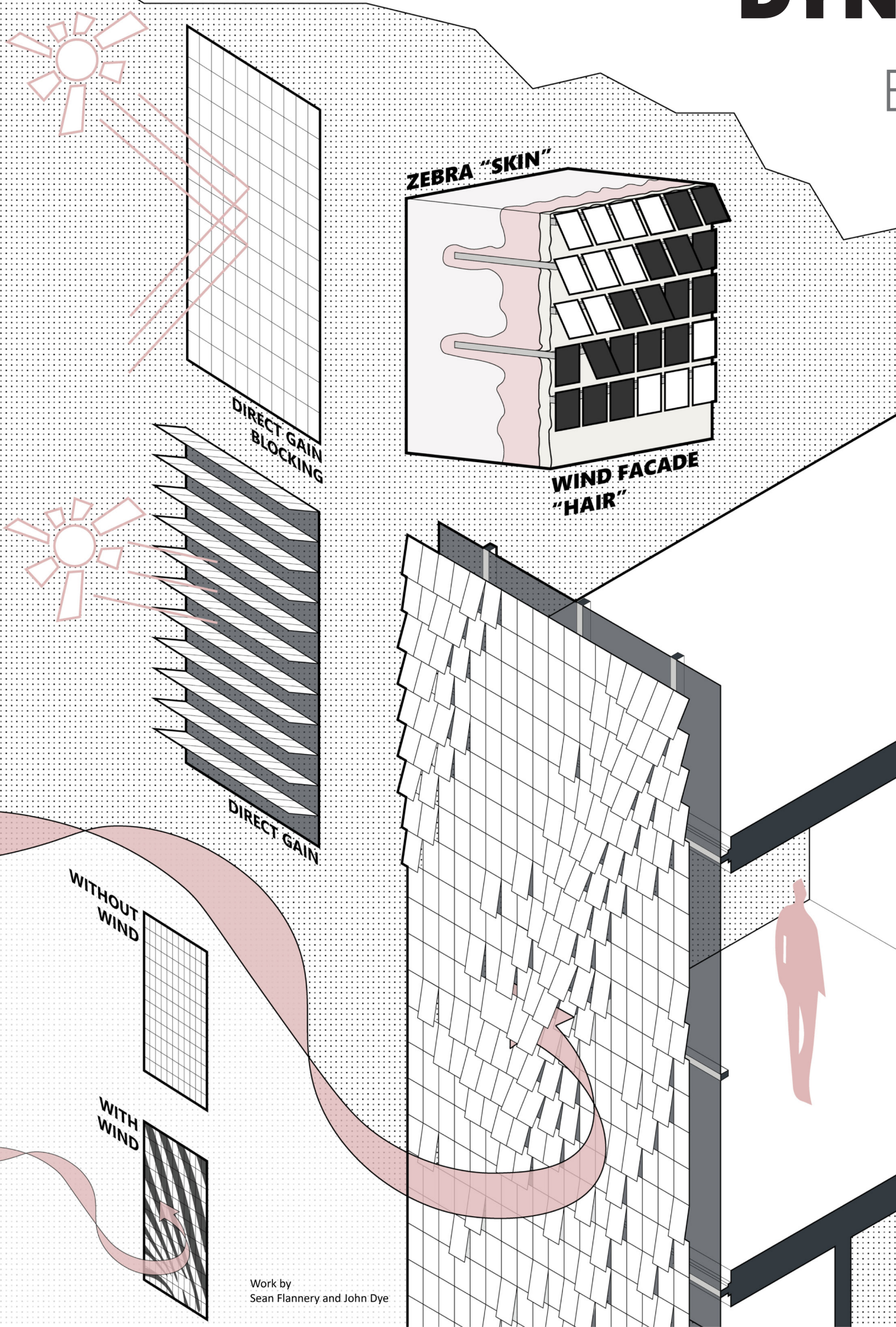
Roger Williams University  
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### Workshop 2

Course Number **161.514**

**I OI III**

.IAM Shape Lab  
.Institute of Architecture and Media



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