

INTEGRATIVE DESIGN FOR BETTER HEALTHCARE ENVIRONMENTS

*A Case Study of the Cayuga Park
Medical Office Building Experience*



PRESENTERS – PART I (DESIGN)



HOLT ARCHITECTS

Krysta Aten-Schell is a Principal Associate and Architect at HOLT Architects. Krysta specializes in healthcare design for all modalities. As a WELL Building and LEED accredited professional, she focuses on the well-being of both patients and staff through the power of healthy design.



HOLT ARCHITECTS

Cate Blakemore is an Associate and Architect at HOLT Architects who has extensive experience designing Healthcare projects throughout New York State. As a LEED accredited professional, she has a strong focus in sustainable, energy-efficient and environmentally-friendly architecture.

PRESENTERS – PART II (PERFORMANCE)



Taitem

Evan Hallas is a Senior Energy Analyst at Taitem Engineering with over 15 years of experience in building science and energy efficiency. With a deep understanding of building systems and a commitment to quality, Evan takes a collaborative approach and brings his enthusiasm and vision to each project.



Taitem

Rob Rosen is a Senior Engineer in Taitem Engineering's Energy + Sustainability Department and currently holds certifications as a Certified Energy Manager (CEM), a Building Energy Modeling Professional (BEMP), and a Home Energy Rating System (HERS) Rater for Energy Star Multifamily New Construction and Energy Star Certified Homes V3.1.

PRESENTERS – PART II (PERFORMANCE)



Neil Garry *Is Vice President at Bell & Spina Architects as well as Principal in the Rochester office. He is both a structural engineer and building enclosure engineer. He is a member of ASTM International Technical Committee DOB, Roofing and Waterproofing, and Committee E06, Performance of Buildings.*



Diana Elliott *With over 15 years of experience as a well-rounded architect, it's her time in research & development that sets her apart and enhances her commissioning role. Her credentials include being a LEED & WELL accredited professional, In addition to a Certified Passive House Designer.*



CATE BLACKMORE • ROB ROSEN • NEIL GARY

INTEGRATIVE DESIGN FOR BETTER HEALTHCARE ENVIRONMENTS

EDUCATION SESSION 10 | 3:45 PM - 4:45 PM | SHOW ROOM

Cate Blakemore of HOLT Architects will discuss the WELL Building and LEED v4.1 credits utilized and integrated into the building's design and layout. The Design Team will also discuss building design strategies used to create a place of well-being for both employees and patients. The design Team will also identify challenges and successes of designing and constructing a building during the COVID-19 pandemic.

Rob Rosen of Taitem Engineering will provide an overview of the Tompkins County Industrial Agency's Enhanced Energy Incentive Policy and NYSERDA incentive programs, the available compliance options and those utilized by the Cayuga Park project. The Neil Garry of Bell & Spina Architects will discuss the project's LEED v4.1 Integrative Process (credit IPc1) and how this process dovetailed with LEED V4.1 prerequisite EAp1 – Fundamental Commissioning and Verification, credit EAc1 – Enhanced Commissioning and credit EAc2 - Optimize Energy Performance.

- *Explore and use Well Building and LEED v4.1 standards as part of the integrative design process to assist in selecting materials that support occupant/visitor health.*
- *Identify and describe onstage and offstage medical office design strategies and how they support both patient and employee health.*
- *Describe and analyze the following LEED v4.1 credits:*
 - Prerequisite EAp1 – Fundamental Commissioning and Verification*
 - Credit EAc1 – Enhanced Commissioning*
 - Credit EAc2 – Optimize Energy Performance*
- *Summarize how the use of whole-building energy-modeling can be utilized to demonstrate enhanced energy performance and compliance with all applicable energy codes.*
- *Explain the benefits of building envelope commissioning and how construction phase quality-control and collaboration with the construction team can ensure success.*



Cate Blackmore
HOLT Architects



Rob Rosen
Taitem Engineering



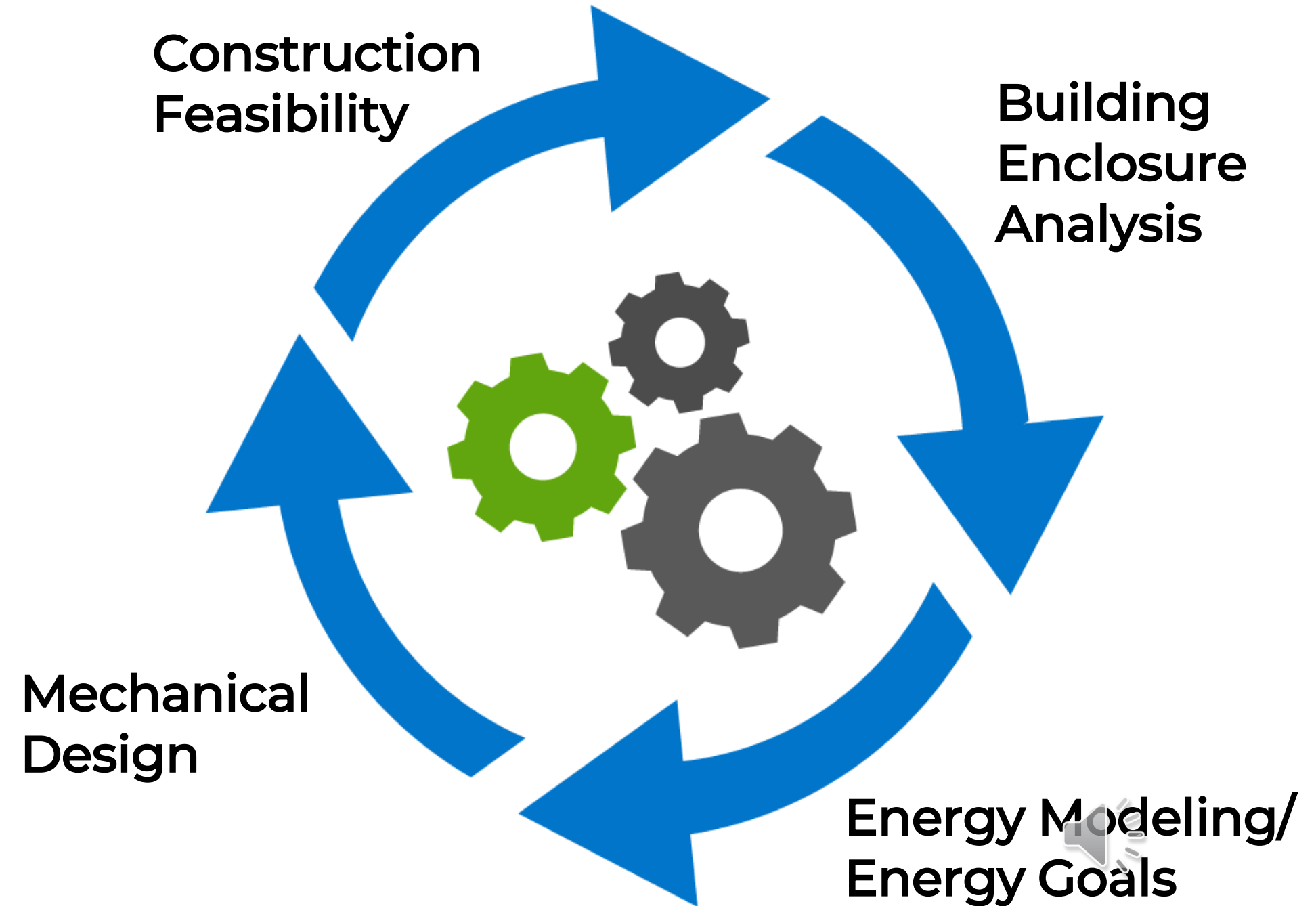
Neil Gary
Bell & Spina

Commissioning

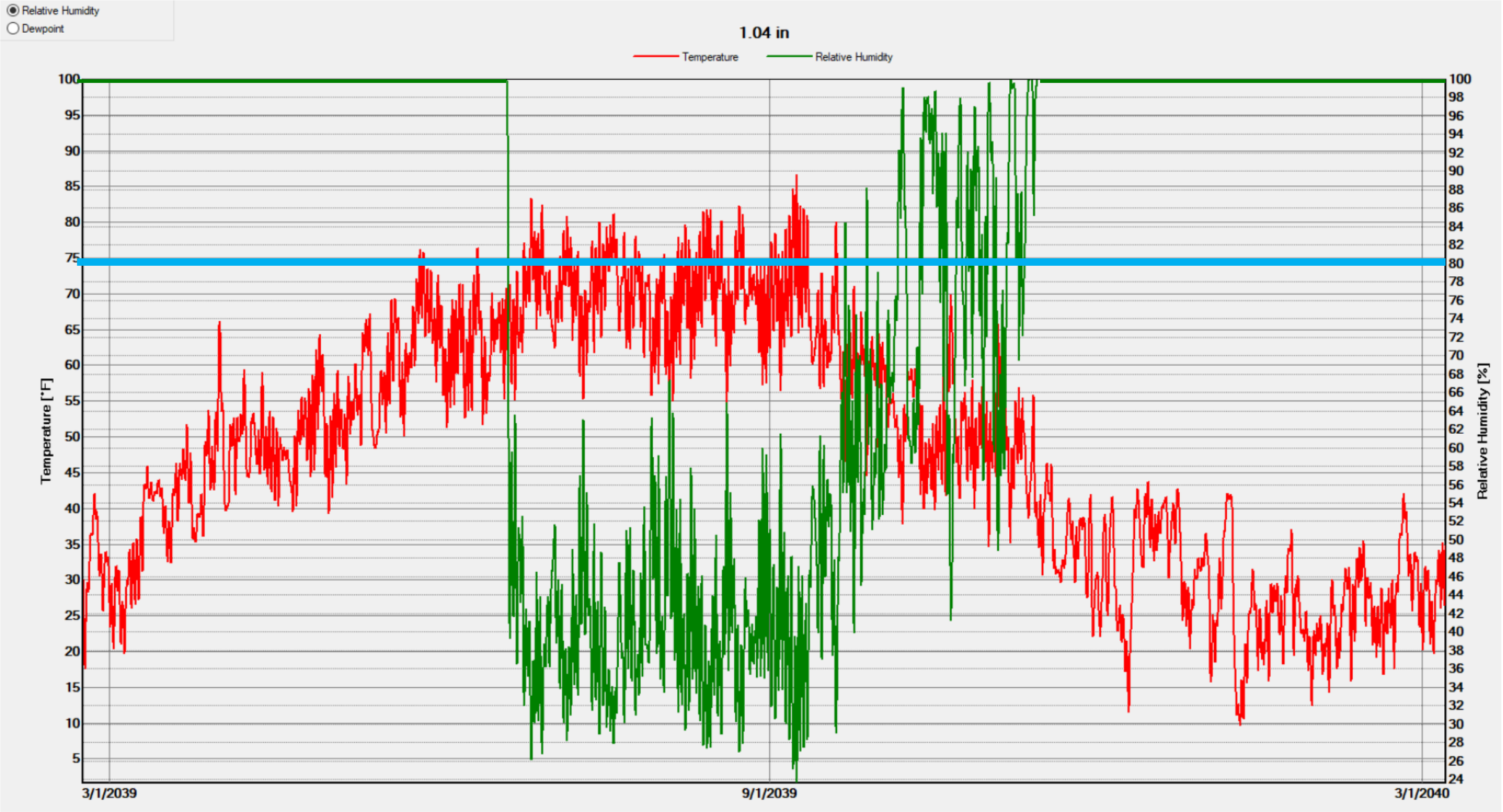
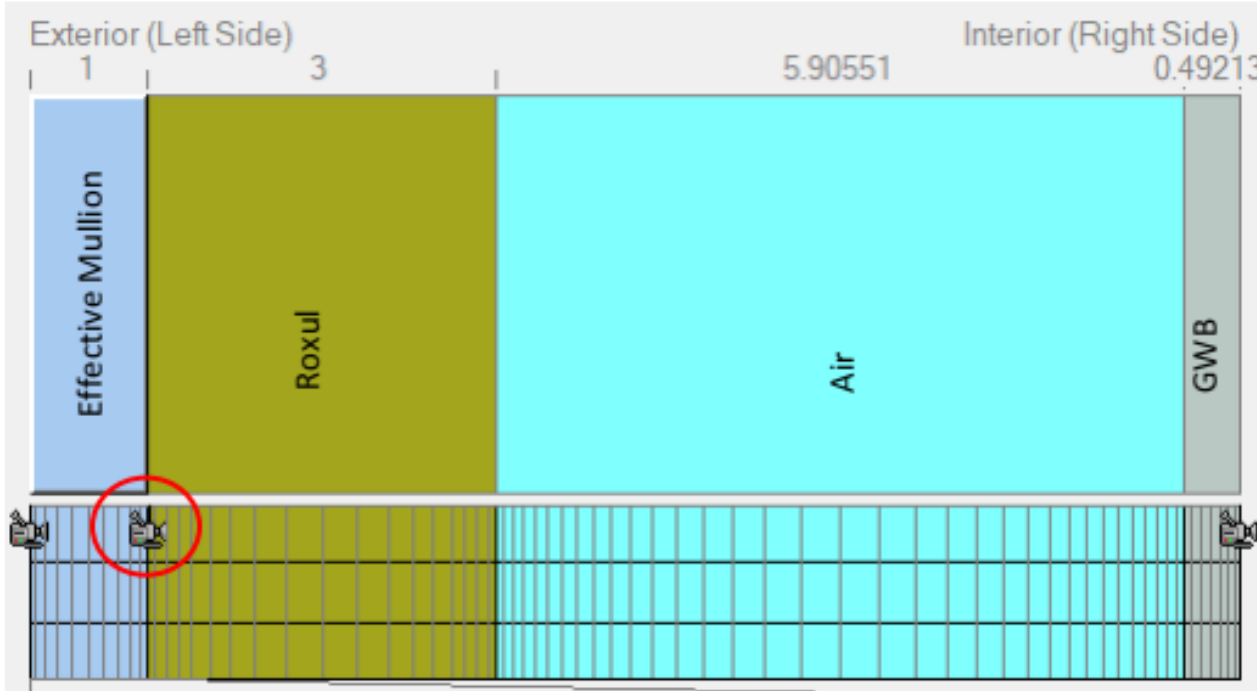
LEED v4.1 EAp1
Fundamental Commissioning and Verification

LEED v4.1 EAc1
Enhanced Commissioning
Option 1 (3 or 4 points)
Option 2 (2 points)

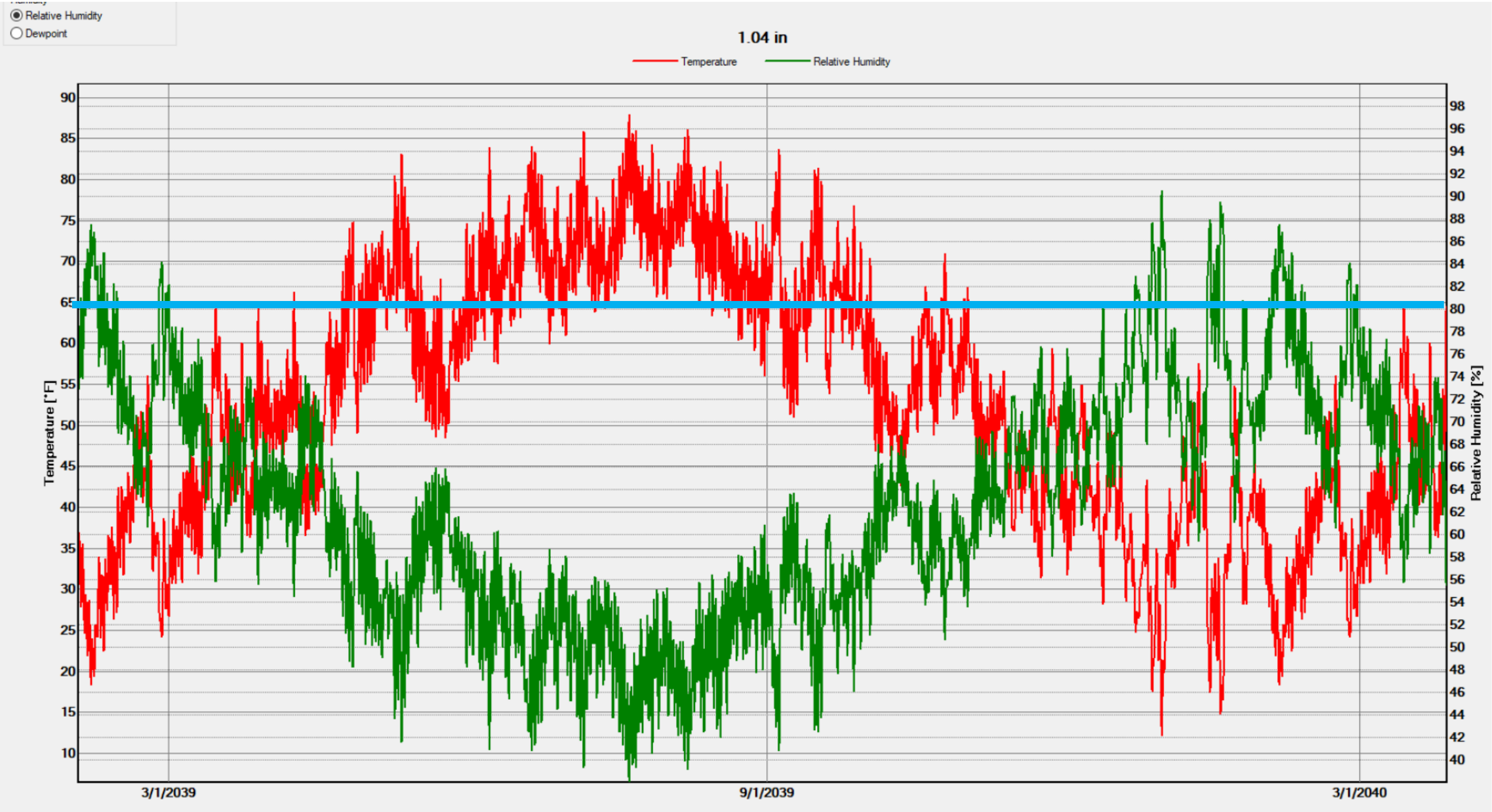
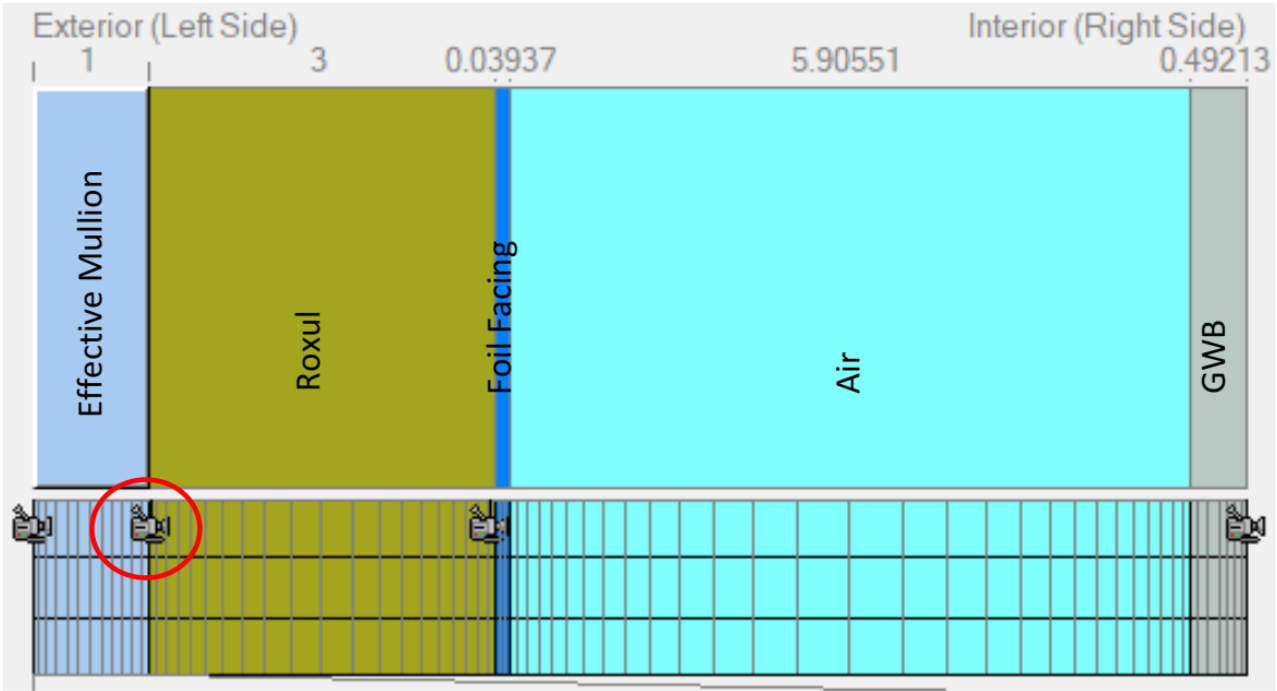
Starts in Design > > > Construction



Designed Case (3" Roxul, no facing)



Proposed Case 2: 3" Roxul, Foil Face



Proposed Case 1: 2" Roxul, Foil Face

