



December, 2016

This Month's Program:

Passive Aggressive Design: The Pavilion Building at Colorado State University

4240 Architecture

4240 Architecture is a 30-person firm located in Denver, Colorado with a core practice built upon design ingenuity, client service and memorable outcomes. Widely recognized by the architecture profession and peers for delivering inspired projects that spark the imagination and touch the souls of the users. 4240 Architecture focuses on delivering projects that balance programmatic requirements needs of diverse end users with a fine grained sensitivity and attention to craft and detail.

Marc Snyder, LEED AP

Marc began his career in Charlotte North Carolina at Perkins Eastman Architects. In 2007, Marc moved to Colorado in pursuit of higher sustainable design practice ethics. Marc worked at Bennett, Wagner + Grody Architects for two and a half years before joining 4240 Architecture in 2011. with an emphasis on a high performance design solutions within hospitality, higher education and residential typologies.

Marc is a passionate environmentalist experienced in the nuances of macro and micro sustainable design practices, and has enthusiastically taken on the role of sustainable design lead for the firm. He recently took on directing the 2030 Commitment, has published numerous articles about this unique, award winning LEED platinum project and continues to encourage understanding and appreciation of sustainability in the office.

Outside of work, Marc volunteers with local community programs such as the Highland Hills Hockey Association, Broomfield Soccer Club, and the Flatirons Community Church.

Passive Aggressive Design: The Pavilion Building at Colorado State University

Program Highlights:

Within a holistic, performance driven design, the Pavilion Building at Colorado State University offers far more to its users than just windows and walls. Fundamentally, it is a teaching tool that engages each user and visibly expresses passive and active systems. Ultimately, it is about creating a place for learning how to learn, which, arguably, is the true value of an education.

This presentation will show the audience how the Pavilion embraces this concept through passive design and operations and deliberate material expression. The programmatically diverse and multi-scaled environment of the Pavilion presents users different ways to engage and learn, both individually and socially, through features such as a living sloped roof, dynamic living green wall, an outdoor performance green, and a modern day Agora. Employing one of the first regional CLT hybrid structural frame systems, the building celebrates the inherent qualities of materials, such as wood, concrete and stone, to contribute to a more stable user comfort profile. Using passive heating and cooling strategies, including a Katabatic cooling tower, innovative trombe parapet wall, and natural ventilation methods, the Pavilion building uses only a quarter of the energy of a baseline building of the same size/occupancy type and is the first building on CSU's campus receive LEED Platinum certification. This presentation will outline how the project was achieved and lessons learned as we move forward.

Learning Objectives:

- 1) Describe the power of an engaging user experience as a differentiator (for recruiting, active learning, memory making) and assess different methods for encouraging user interaction.
- 2) Create strategies for implementing passive building systems, such as a katabatic tower and trombe parapet, through a dialog between the built and natural environment.
- 3) Clarify and strengthen visionary sustainability goals when they are challenged by practical concerns related to energy systems, site infrastructure and project budgets.
- 4) Understand the fundamental principles of sustainable material expression and how these principles can be applied on a regional basis.

Date: Wednesday, Dec. 14, 2016

Time: 11:30 to 1:00 p.m.

Southside Johnny's

528 S. Tejon Street
Colorado Springs, CO 80903

Members—No Charge
Non-members \$20.00

Please RSVP to Greg Gulliksen at
(719) 473-7225 or
gog@csnaarchitects.com by 5 p.m. on
Monday, December 12