Provider

Smallwood, Reynolds, Stewart, Stewart

Provider: C216

Course Title

Implementing the Next Generation of Learning: A Case Study / Discovery High School

Course Number: C216CEFPI001

John S. Gerondelis, AIA, LEED AP, CEFPI Jeffrey D. Miller, AIA, CSI, CEFPI Amanda Wing, IIDA

June 28, 2016



Credit(s) earned on completion of this course will be reported to AIA CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request.

This course is registered with AIA CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.

Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.



Copyright Materials

This presentation is protected by US and International Copyright laws.
Reproduction, distribution, display and use of the presentation without written permission of the speaker is prohibited.

Smallwood, Reynolds, Stewart, Stewart



Course Description

The design of Discovery High School, Lawrenceville, Georgia featured the purchase, master plan and repurposing/conversion of an existing 414,000 square foot tire distribution warehouse on a 71 acre site, into a new 2,000 student high school with capacity to expand.

The presentation will explore:

- The school system's reasons for selecting the site and desire to create an innovative learning environment at a non-traditional facility and location;
- Present planning approaches and design solutions to accommodate 7 different academies:
 - o Business and Entrepreneurship;
 - o Fine Arts and Communication;
 - o Health and Human Services;
 - o Science Technology Engineering Math;
 - o Clyde L. Strickland Entrepreneurship Center (CIET Program);
 - o Global Courses; and
 - o Advisory Council Members;

Plus a Junior Achievement program for Middle School students.

- An in-depth exploration of the CIET Program, an entrepreneurship program that empowers students to start their own businesses, will be presented.
- The challenges faced by the school system as the programming for the different academies and accommodating High School and Middle School programs, housed in the facility evolved during construction and how the designers and construction team addressed the changes to meet time and budget requirements.
- The subsequent successes / challenges of operation of the facility over the past year since opening August 10, 2015 to 2,100 students.



Learning Objectives

At the conclusion of this seminar, participants will be able to:

- Understand the reasons an existing non-traditional site was considered ideal for an innovative learning environment.
- Evaluate the level of stakeholder involvement / participation that is required to implement innovation in a non-traditional facility.
- Understand some of the challenges in construction posed by repurposing an existing warehouse and meeting the requirements of the school district.
- Evaluate the importance of flexible learning space for new learning experiences through the design transformation of a warehouse into a learning environment for high school and middle school students.

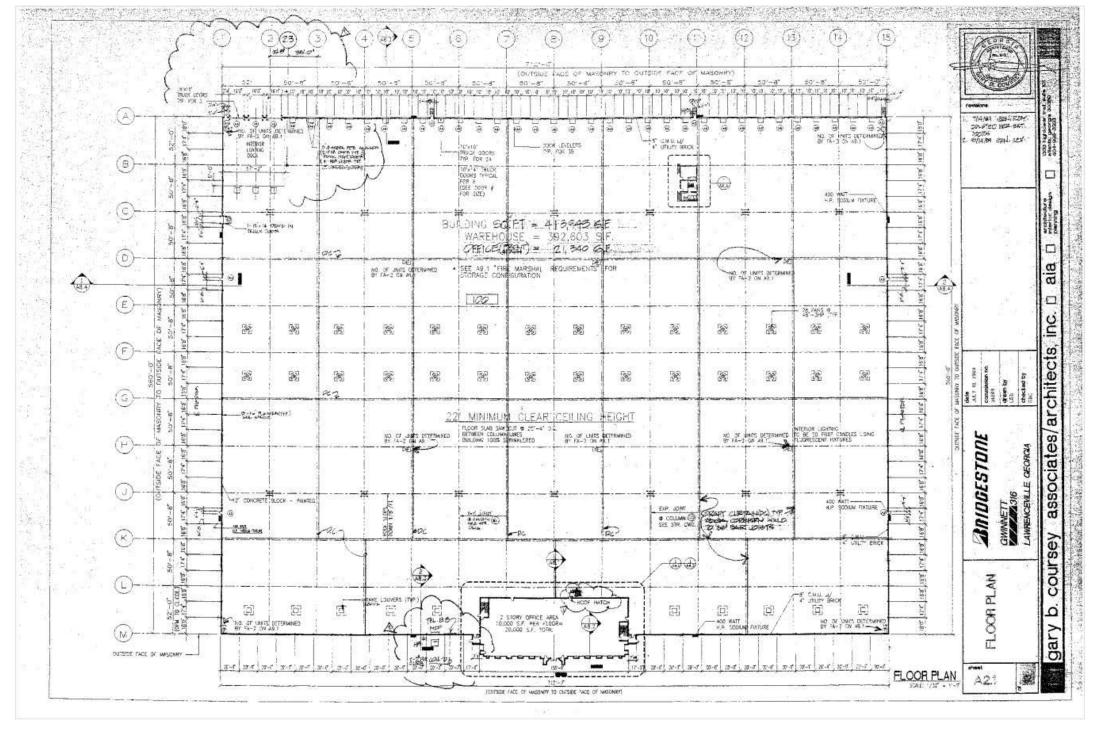


Discovery High School

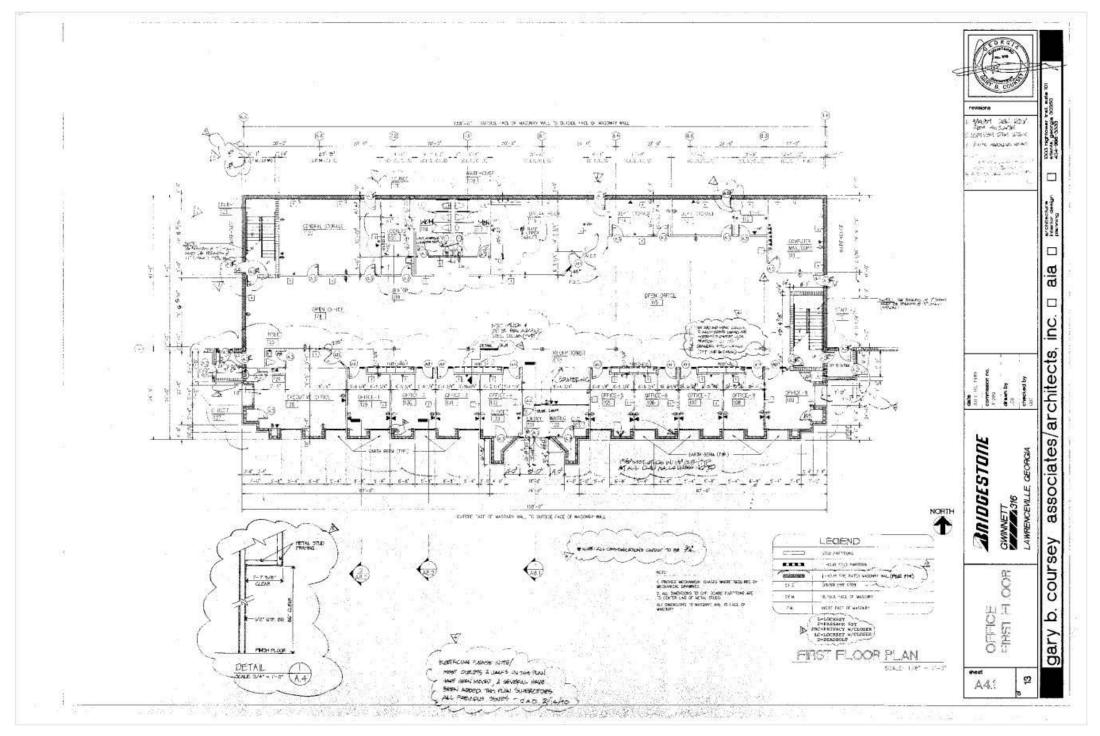


Existing Conditions





First Floor



Second Floor





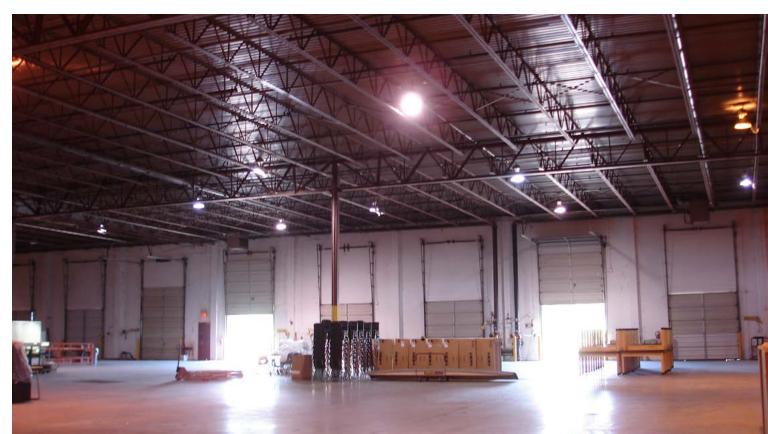










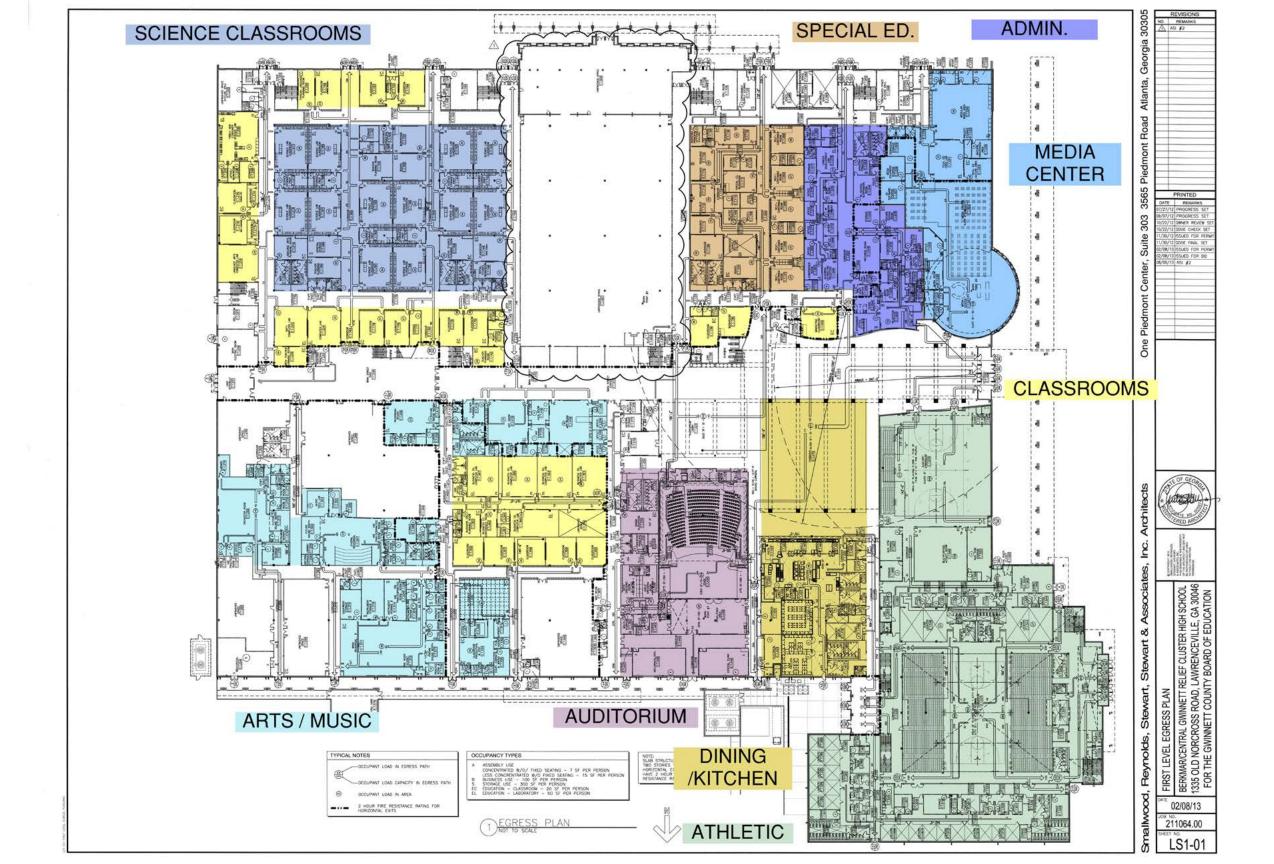


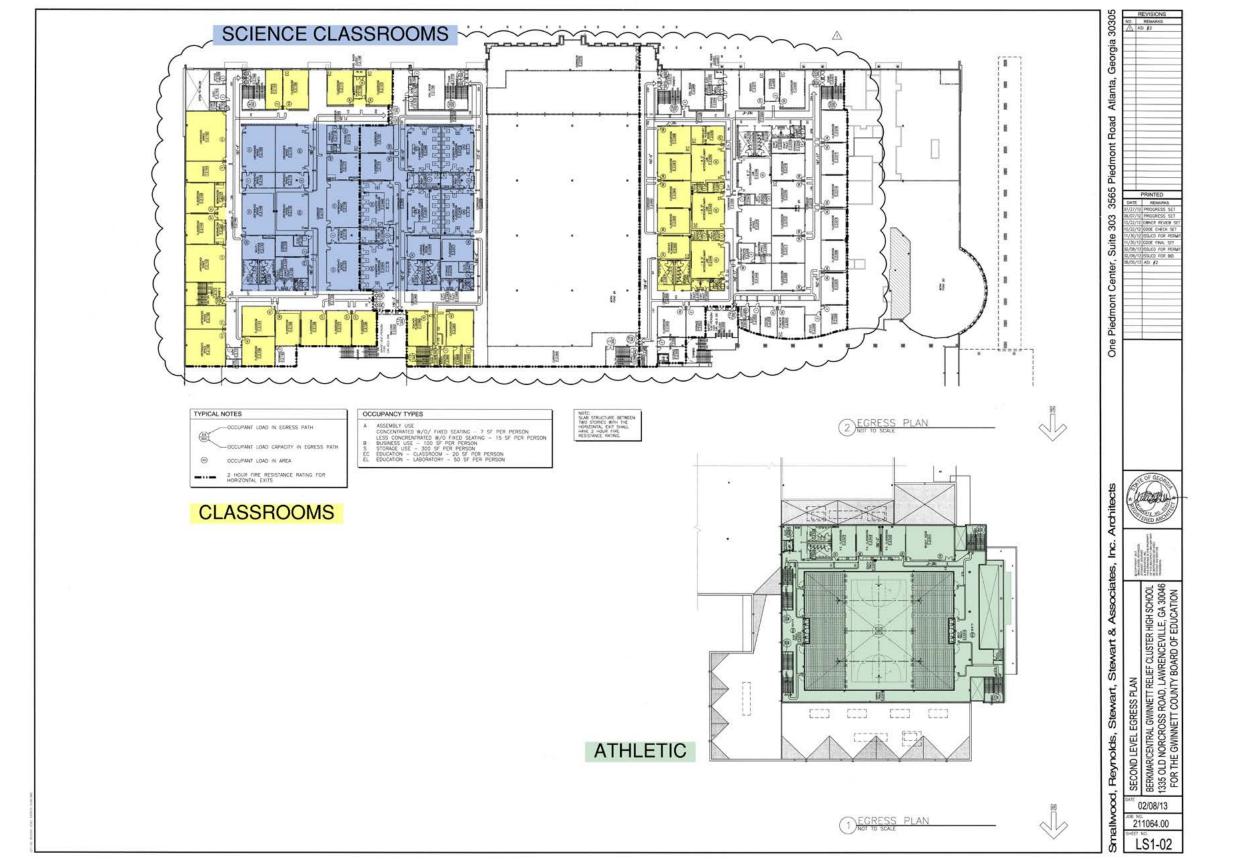


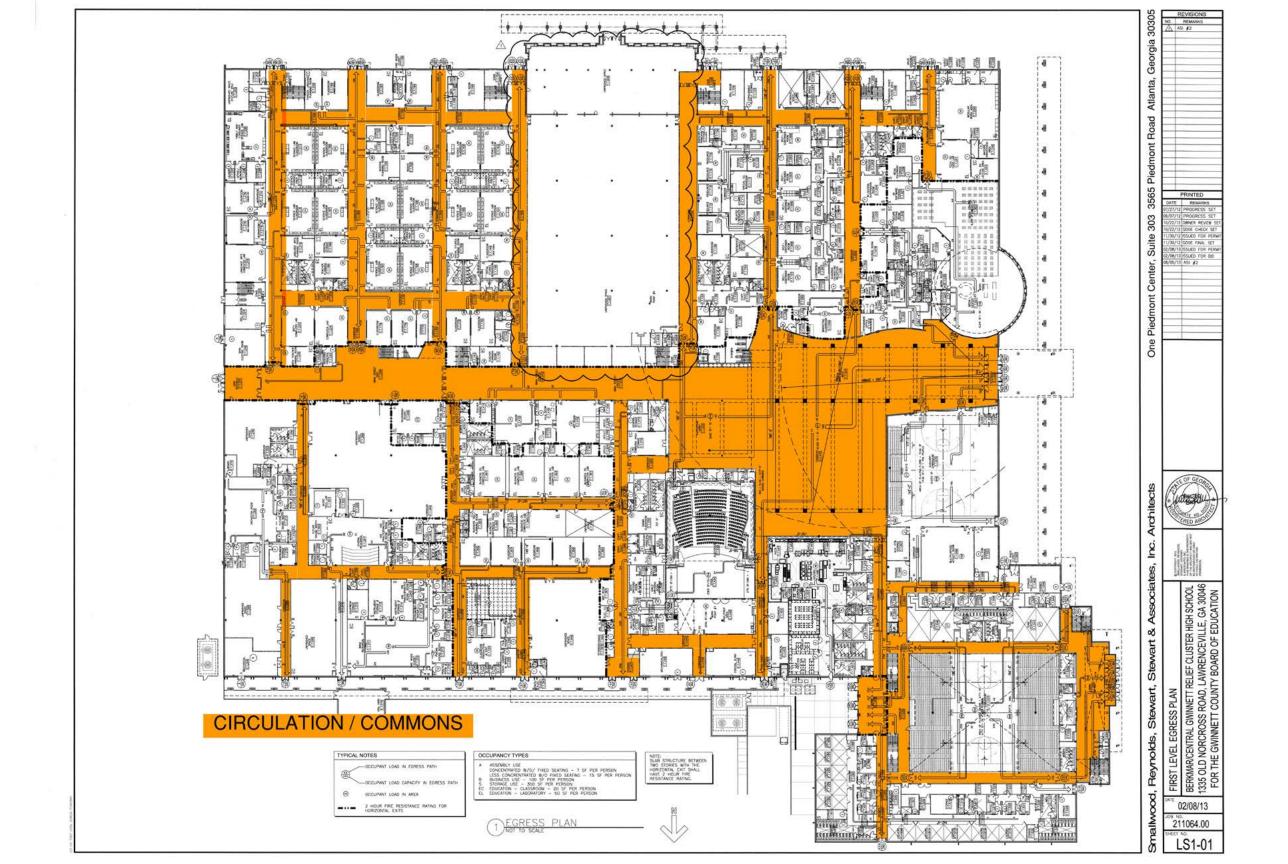
Design

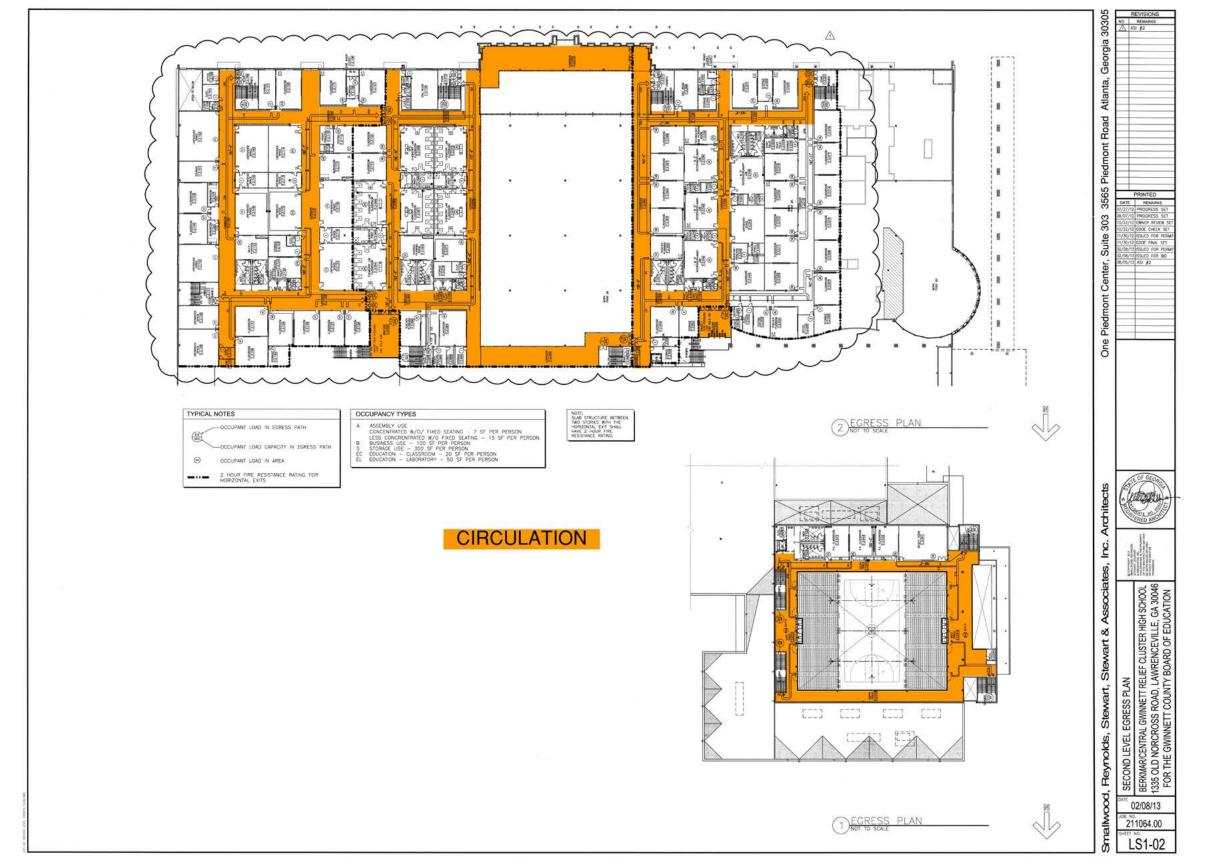












Demolition

Video





Construction















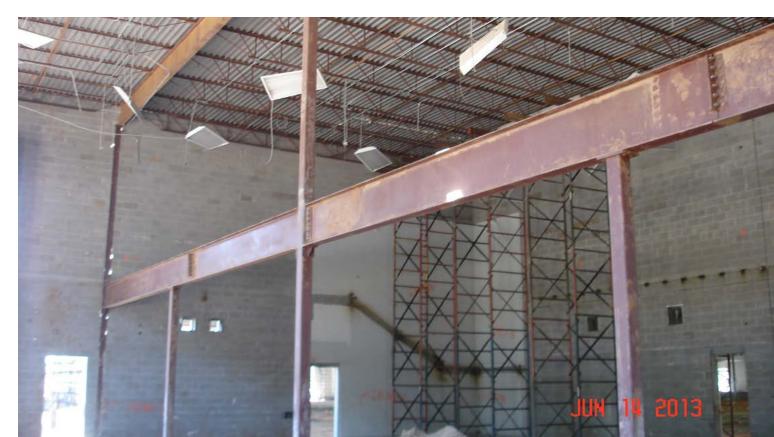
















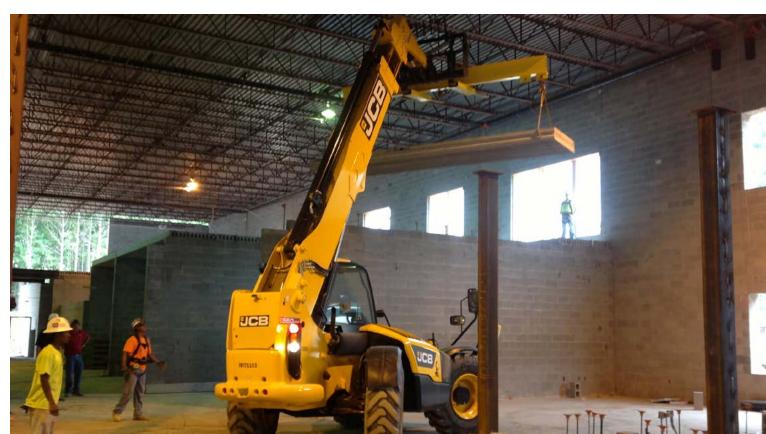


































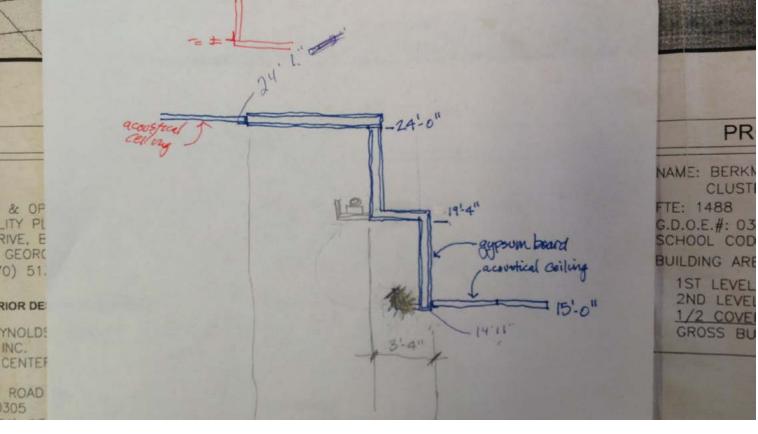














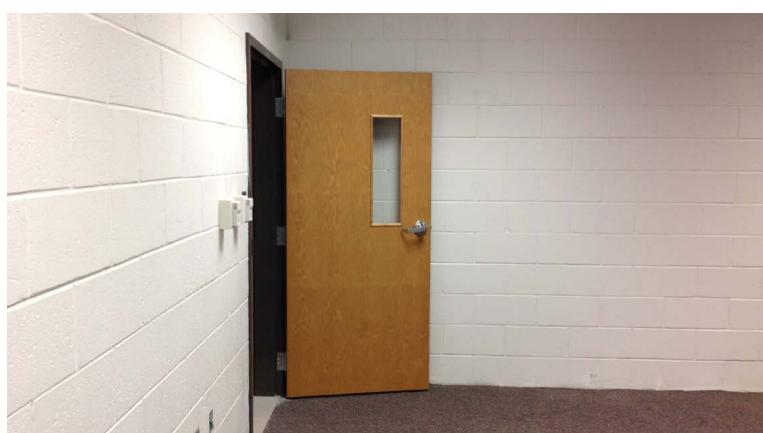




















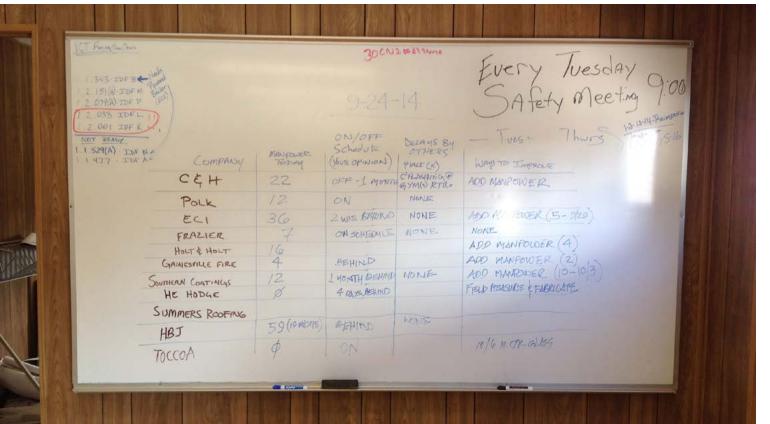


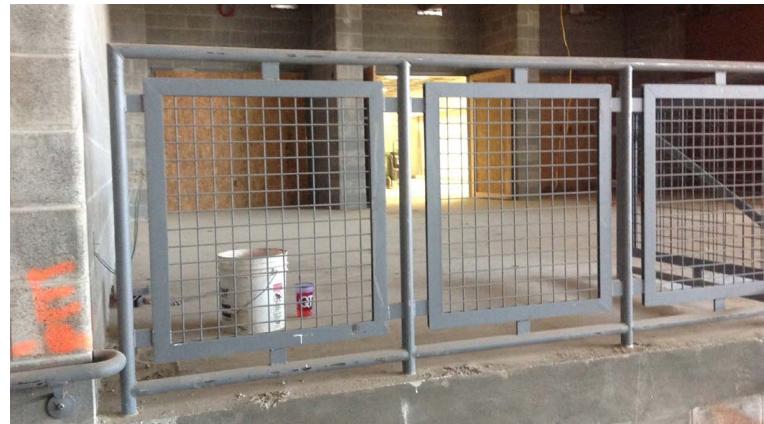




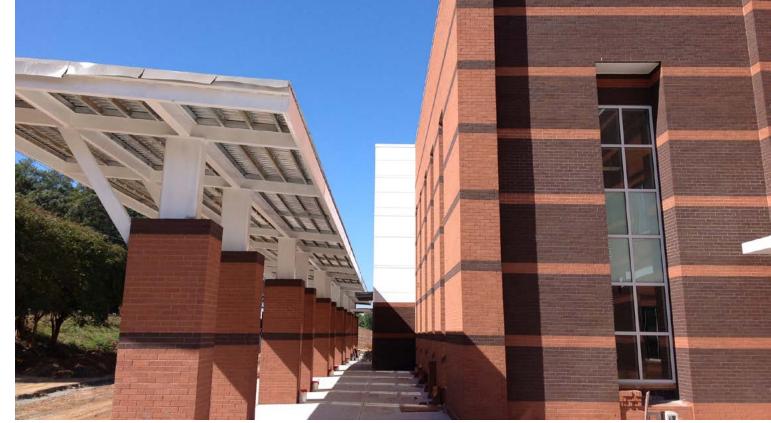










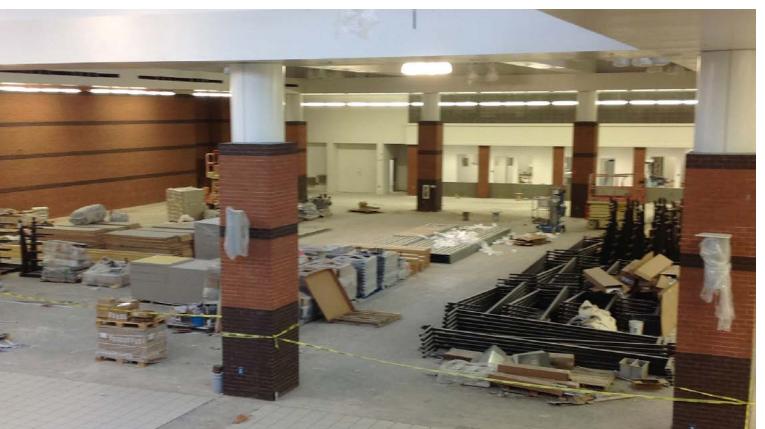


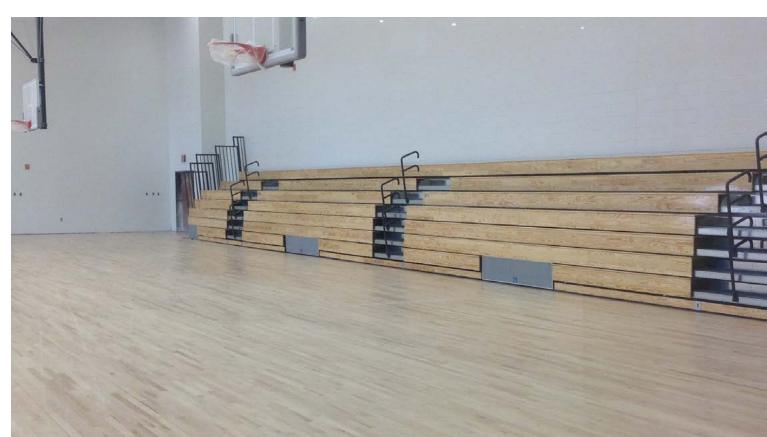






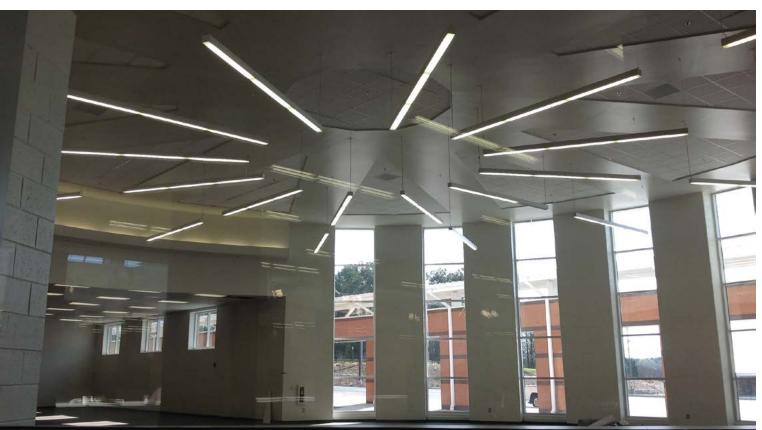
























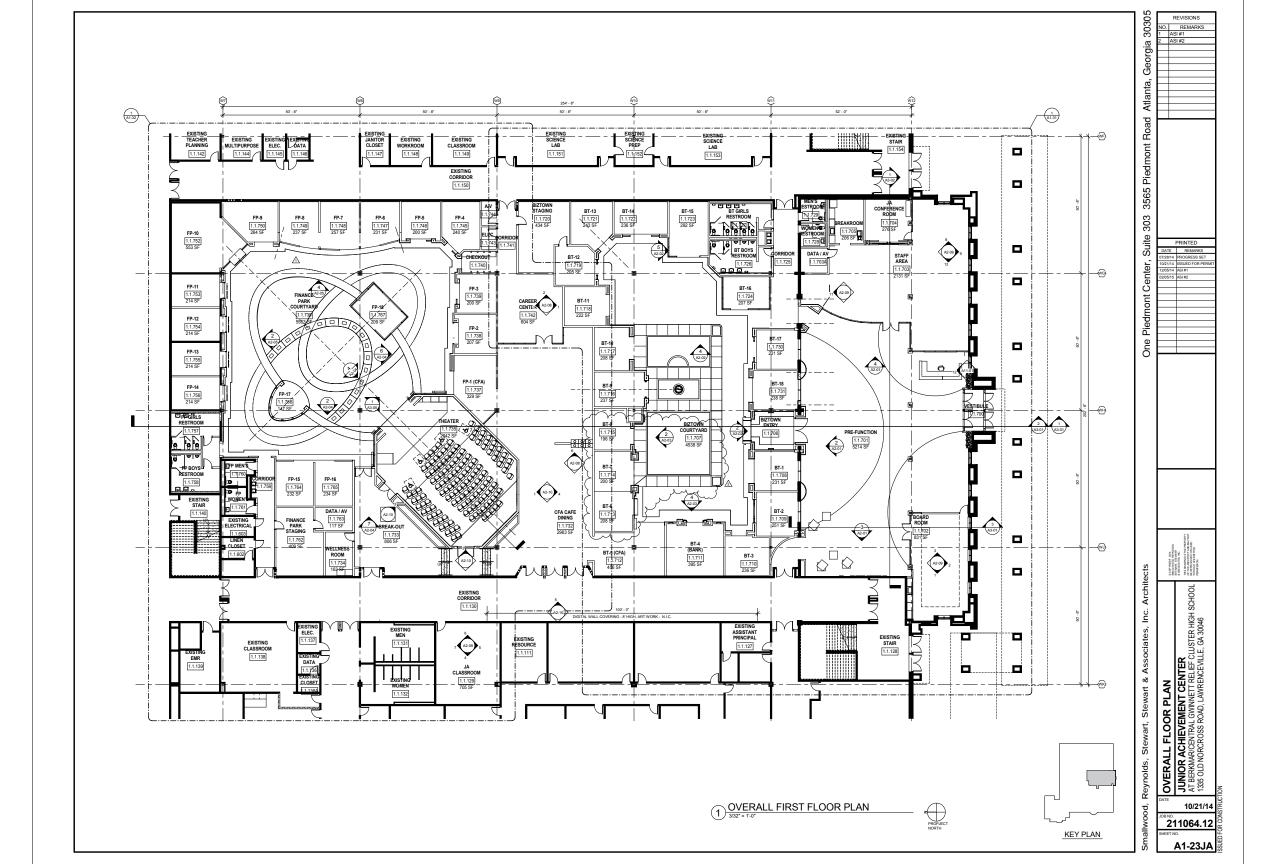








Junior Achievement











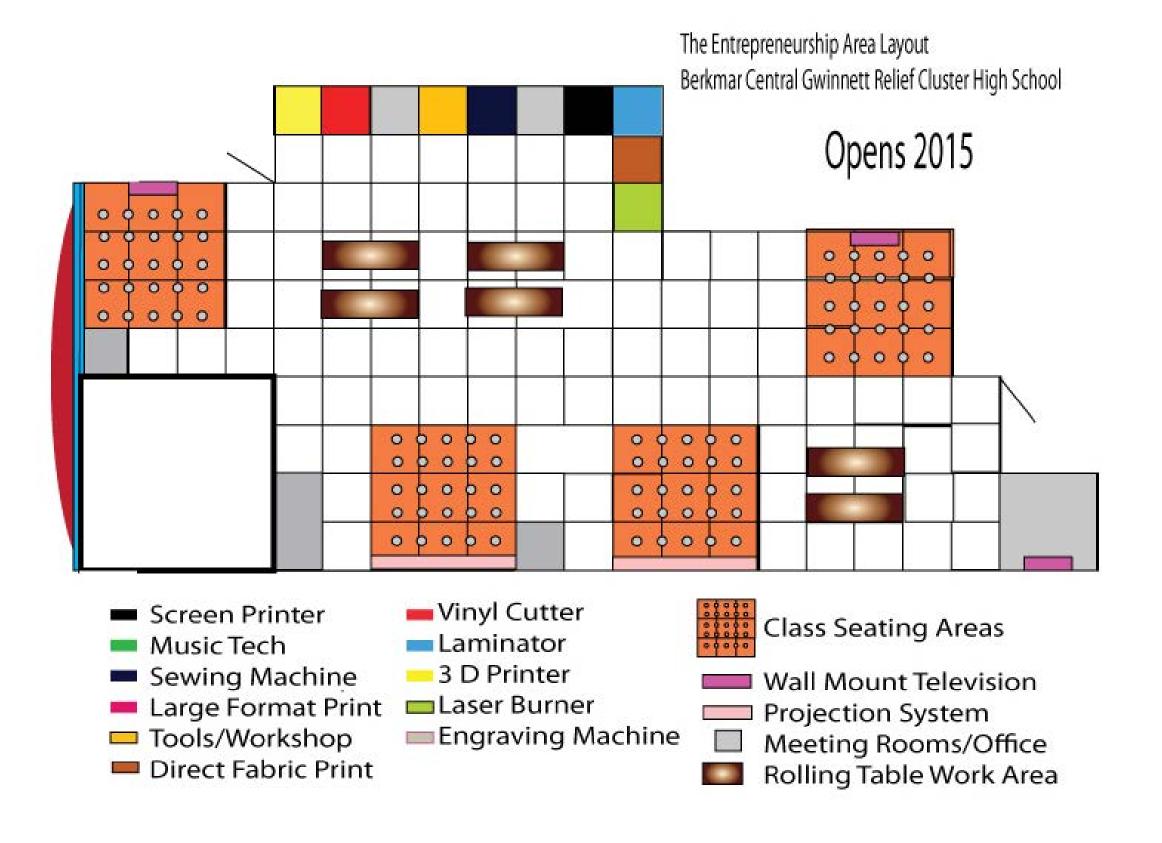


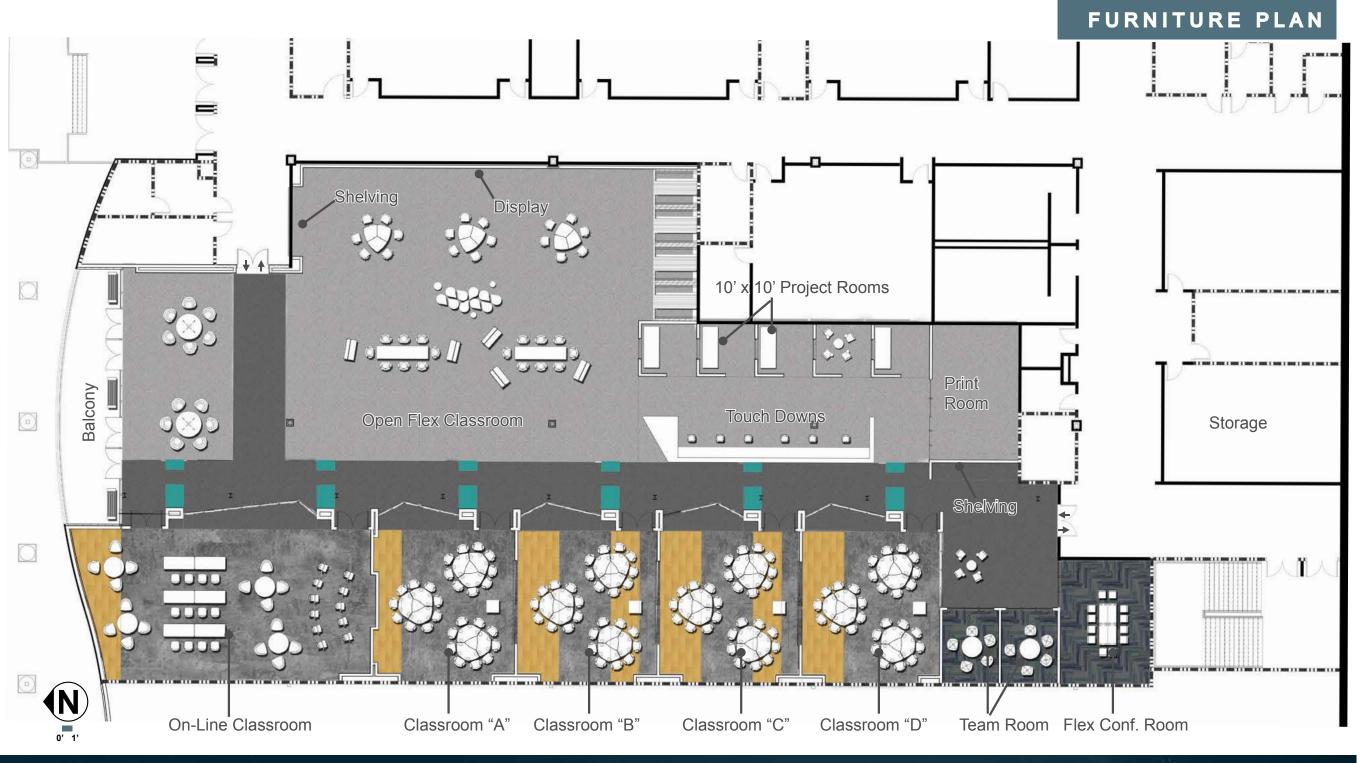


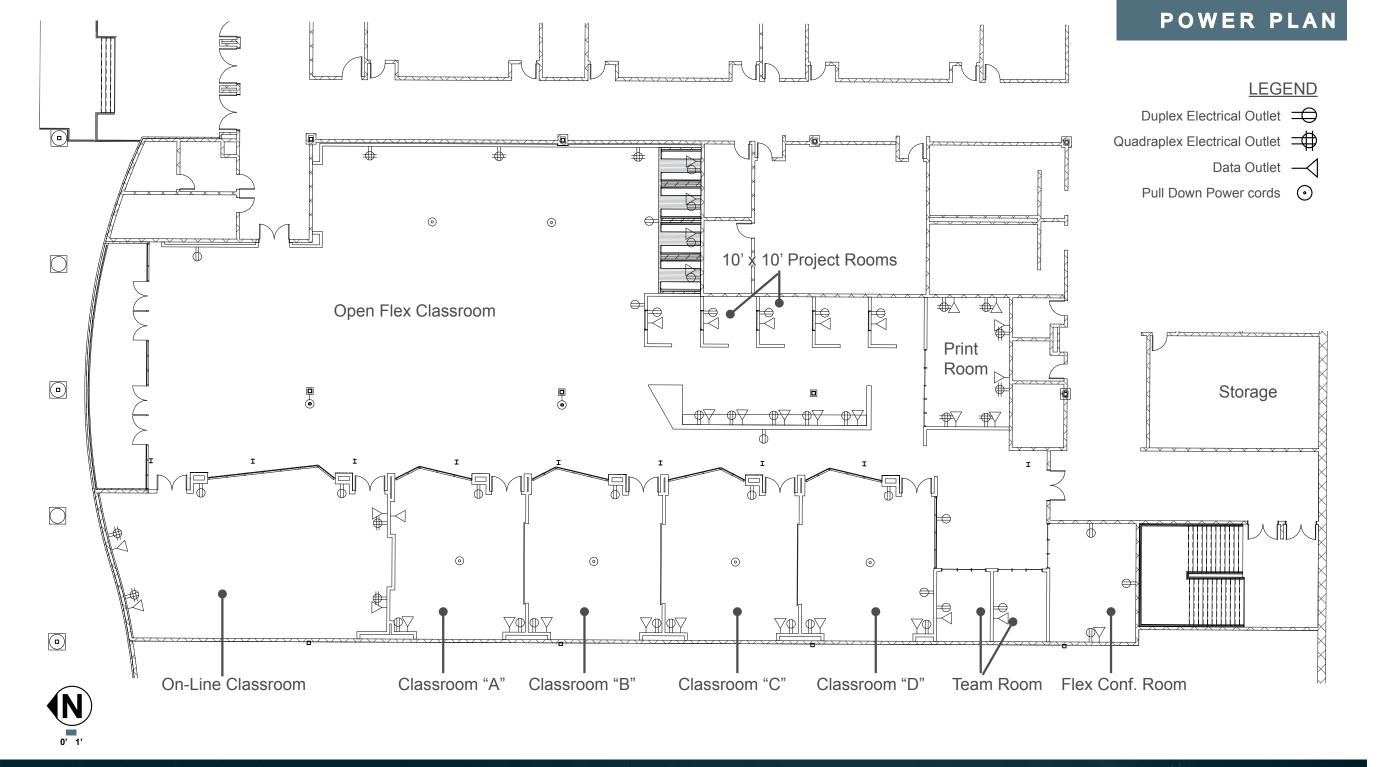


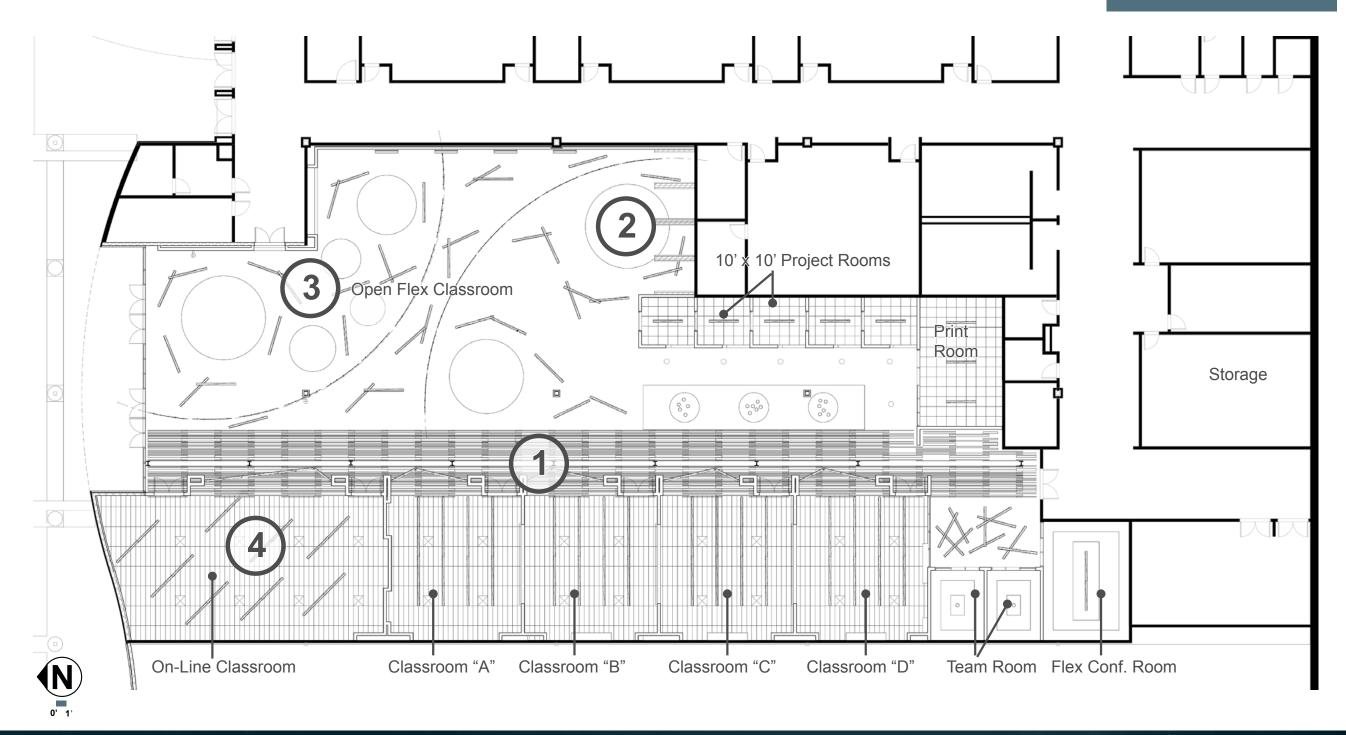


Clyde L. Strickland Entrepreneurship Center



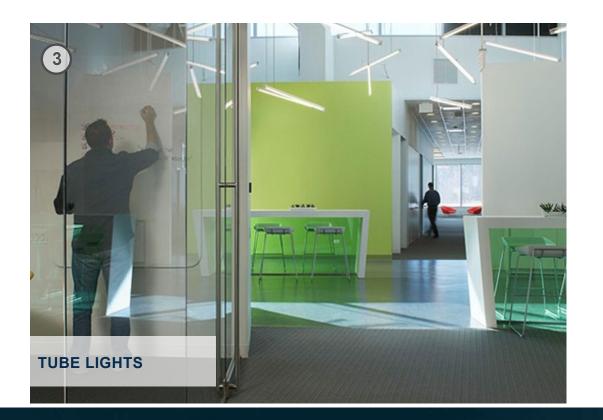


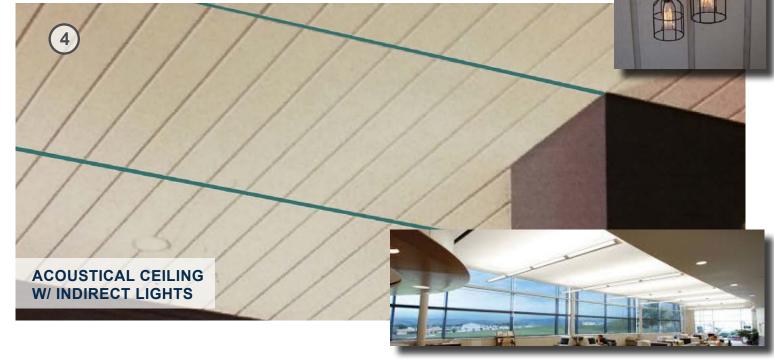






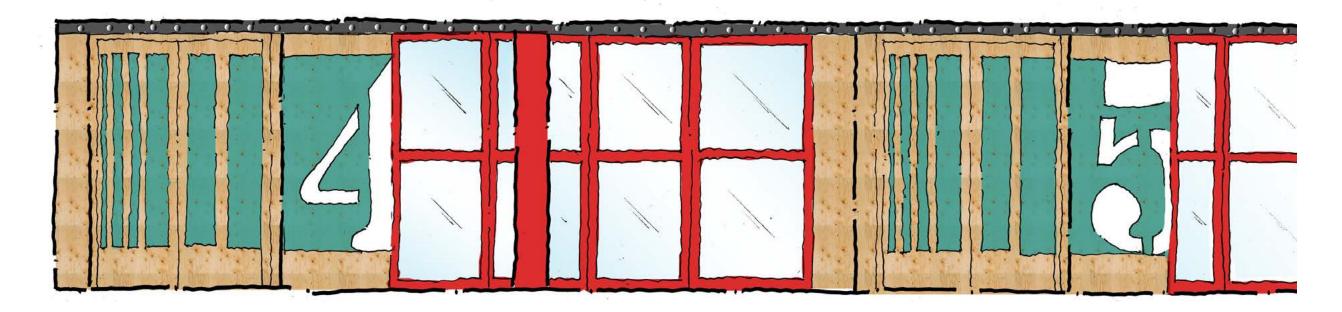




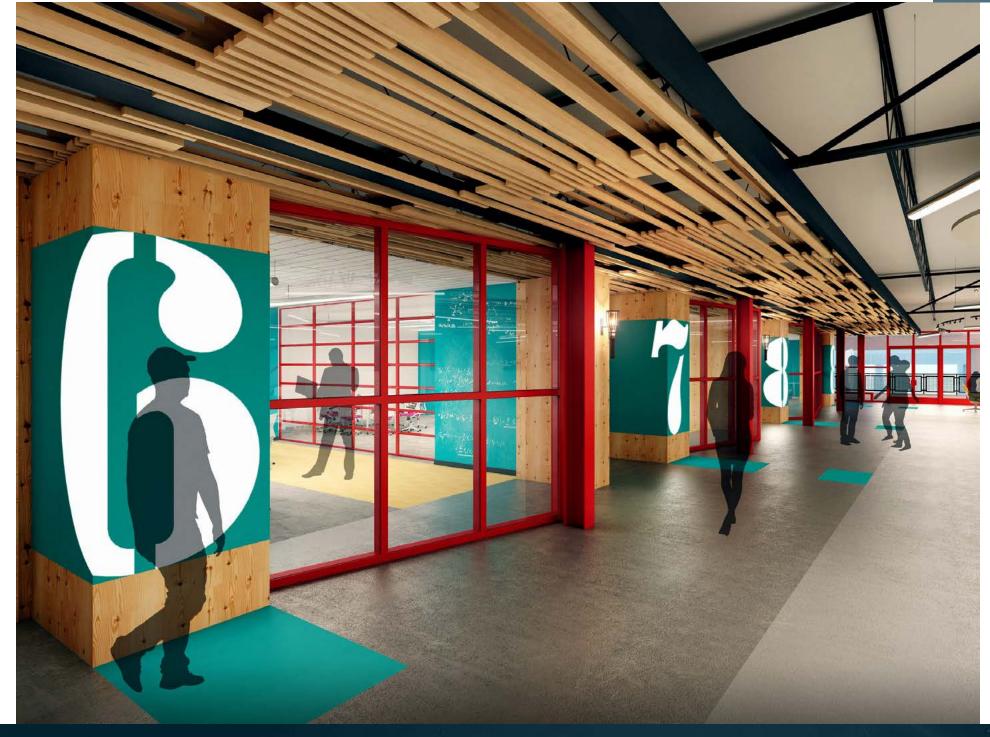


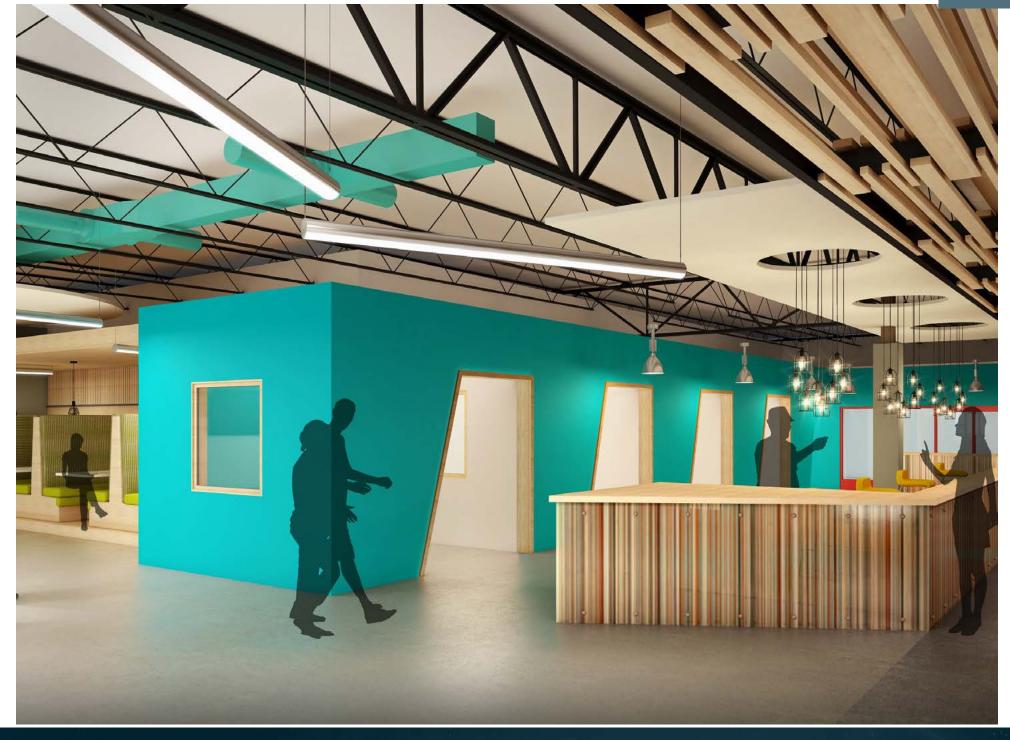


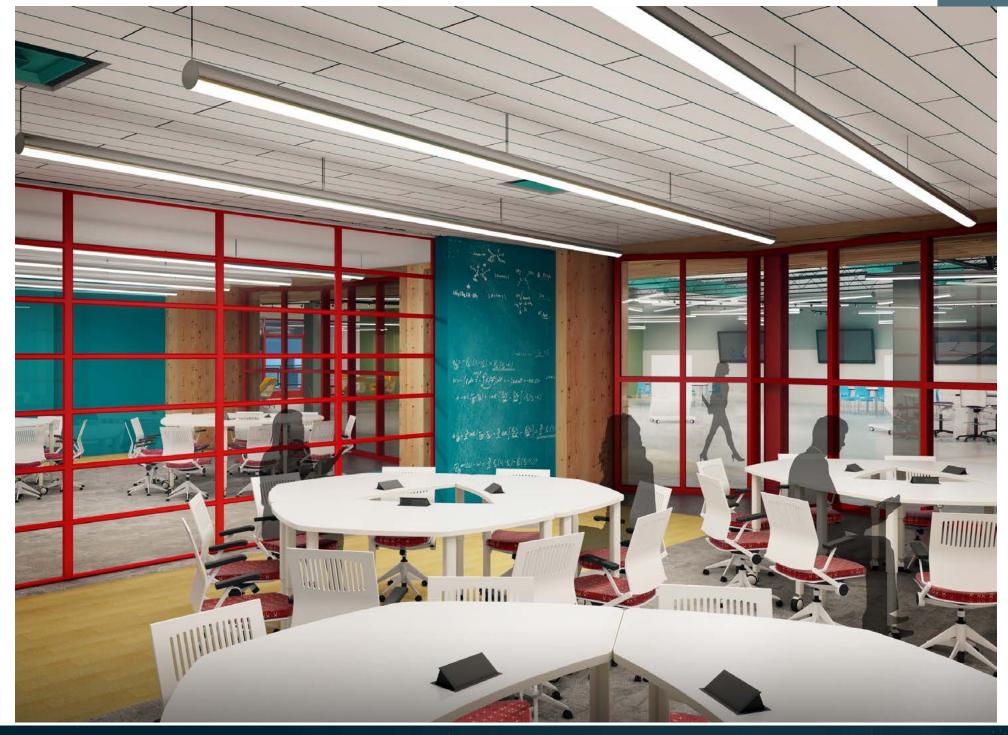
ELEVATION DETAIL

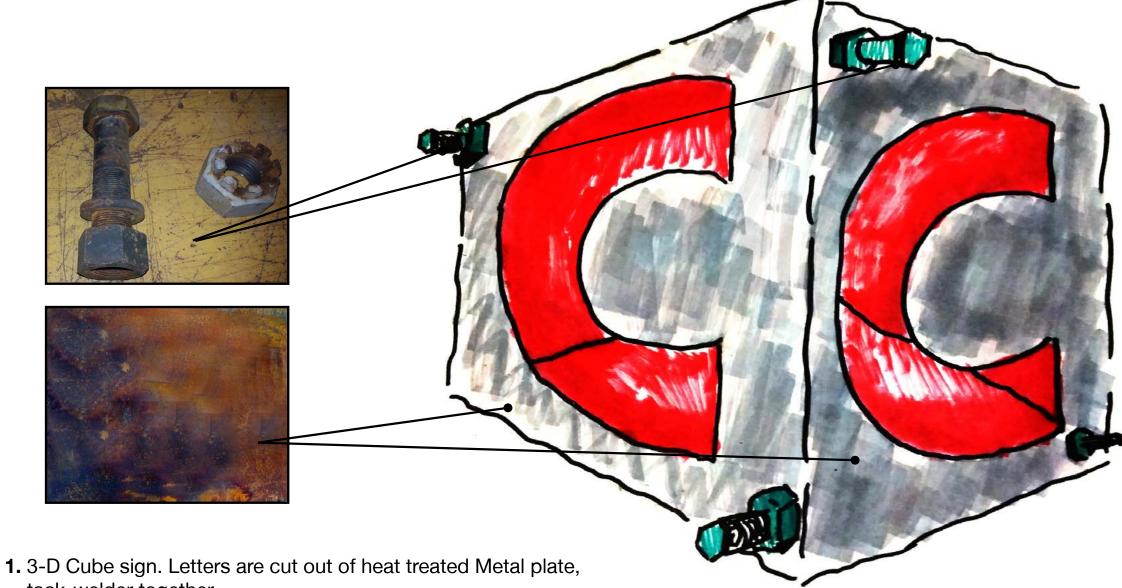












- tack-welder together.
- 2. 3.5" Diameter Industrial bolts painted Turquoise to match interior
- **3.** Inside of box painted Red and back lite inside illuminating showing each letter on the sides of the cube.

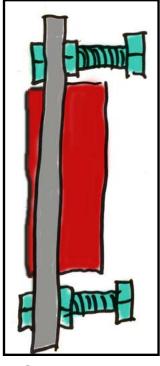


3.5" Bolts

- 1. CIET and graphic Cut-Out of 2" Heat Treated Metal plate
- **2.** 3.5" Diameter Industrial bolts painted Turquoise to match interior
- **3.** CIET letters and graphic made out of red acrylic and lite within and protrude through metal sign



Heat treated Metal



Sign Elevation

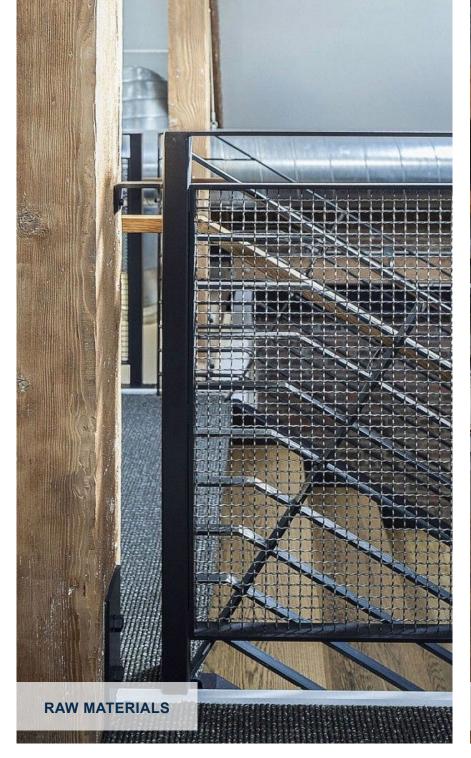






















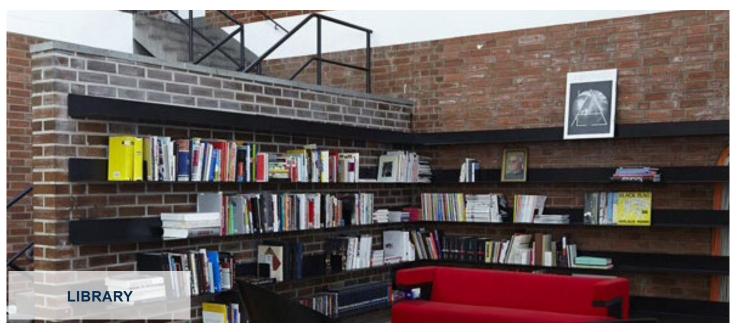






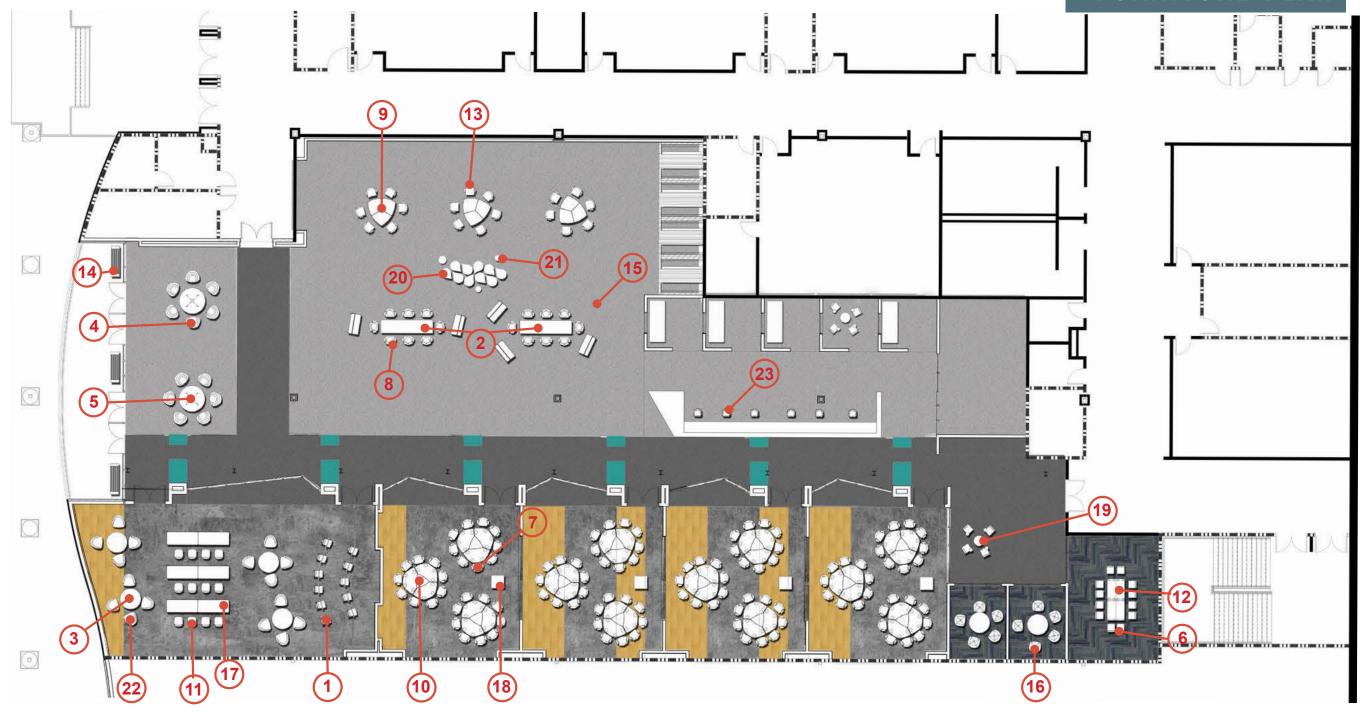








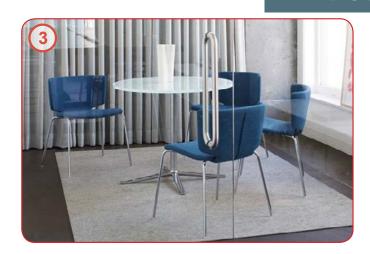
FURNITURE PLAN



Smallwood, Reynolds, Stewart, Stewart & Associates, Inc.























































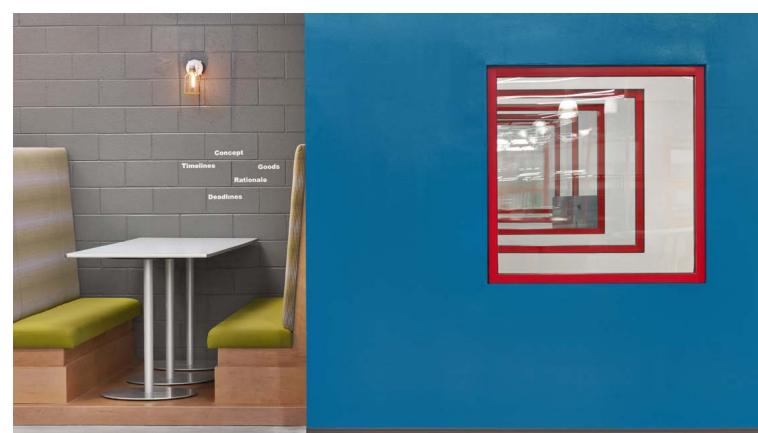






















Thank You!

Questions?

This concludes The American Institute of Architects Continuing Education Systems Course

Smallwood, Reynolds, Stewart, Stewart

John S. Gerondelis, AIA, LEED AP

Principal
Smallwood, Reynolds, Stewart, Stewart & Associates, Inc.
3565 Piedmont Road, NE
One Piedmont Center, Suite 303
Atlanta, Georgia 30305
jgerondelis@srssa.com
P (404) 233-5453
F (404) 264-0929

