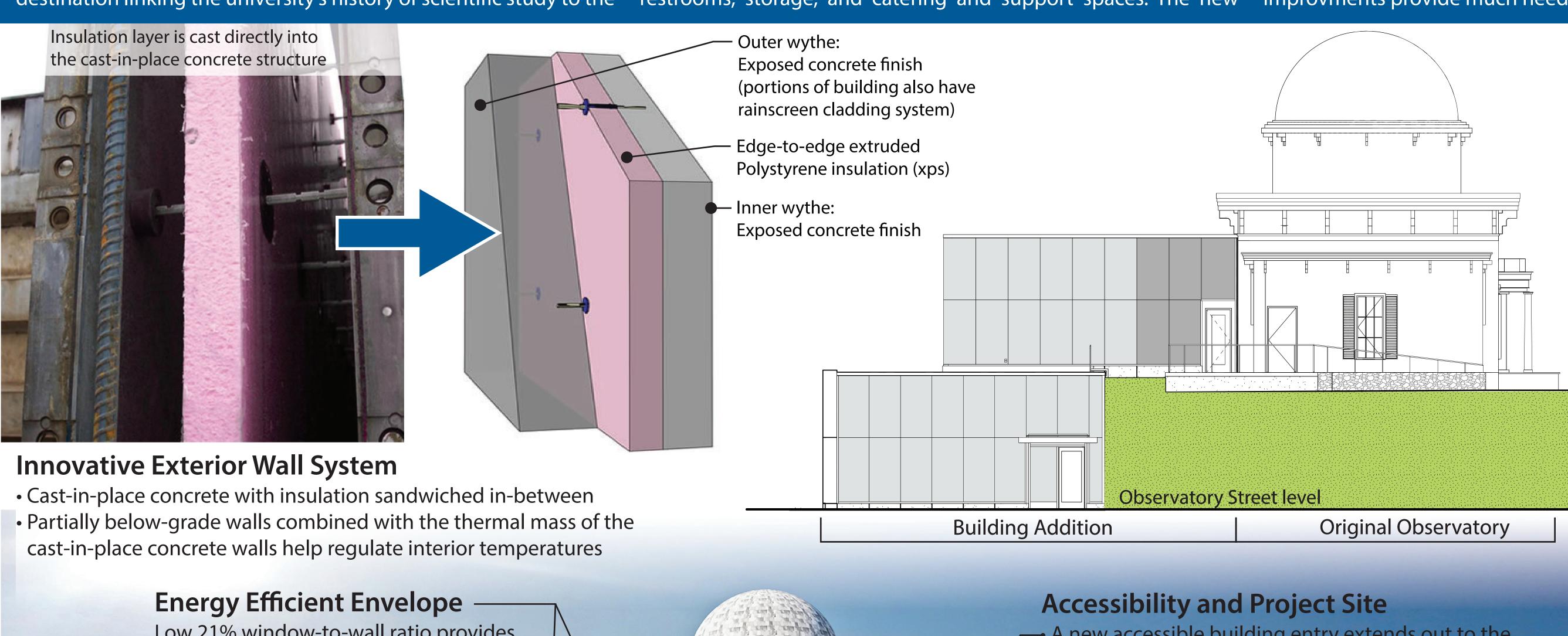
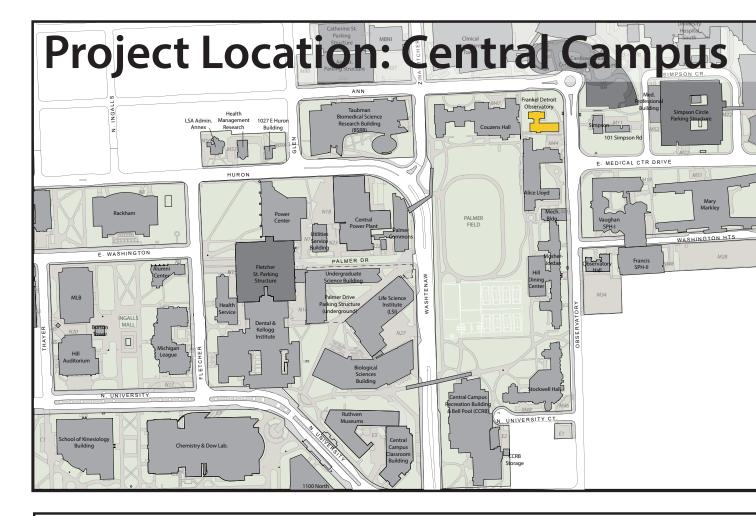
Project Description

The Detroit Observatory is a historic resource for the university and surrounding community, but the lack in accessibility, classrooms, restrooms, and support spaces have hindered the ability to be a destination linking the university's history of scientific study to the

approximately 7,000 gross square feet was constructed to provide a flexible multi-use classroom, a new entry and reception area, restrooms, storage, and catering and support spaces. The new

present and beyond. Through this project an addition of addition maintains the historical character and setting of the original observatory and provides a prominent street presence to enhance the visibility while new ramps, an elevator and site improvments provide much needed barrier free access.





Sustainability Facts

Detroit Observatory Classroom and Accessibility Addition (Addition Only) **Building Use** 7,000 Square Feet

			1
1	ASHRAE 90.1 version		2013
1	Energy cost savings compared to ASHI	RAE baseline	10%
1	Total energy savings (Addition Only)	\$	1,932/ year
·	Water fixture baseline	2015 Michigan Plum	nbing Code
1	Total water savings		49%
1	Roof (R-Value)*	Code	Project
	Roof (R-Value)* Roof assembly	Code 30	Project 30
	Roof assembly		
	Roof assembly Glazing - Fixed Assembly	30	30

Project Team University of Michigan - Bentley Historical Library Owner **Architect** Harley Ellis Devereaux Engineer Harley Ellis Devereaux Contractor AZ Shmina Inc. Commissioning Authority U-M AEC **Project Management** U-M AEC

Design Period: 05/2018 - 07/2019

Construction Period: 7/2019 - 6/2021

* The higher the R-value the better the insulating quality

** The lower the U-value and SHGC the more energy efficient the window



