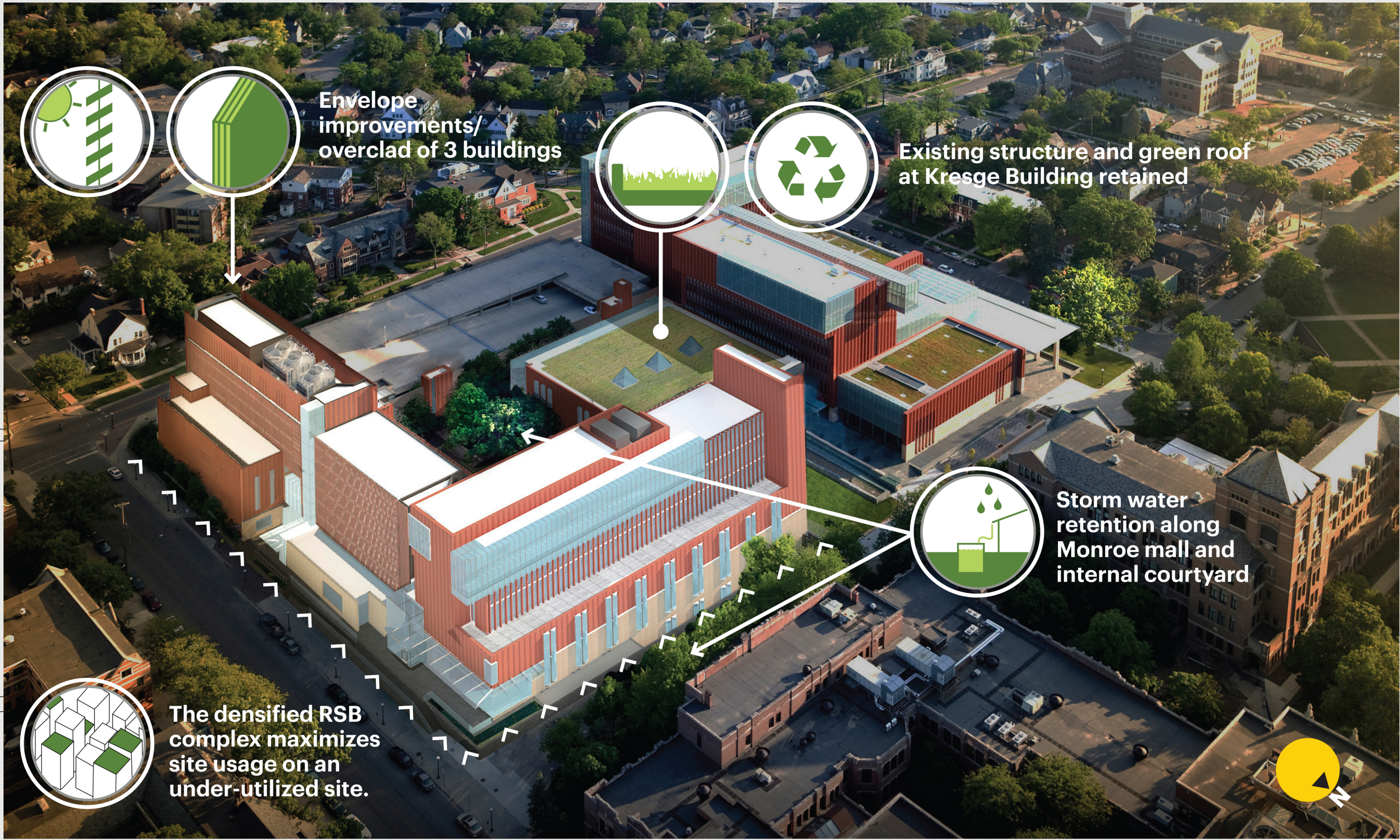
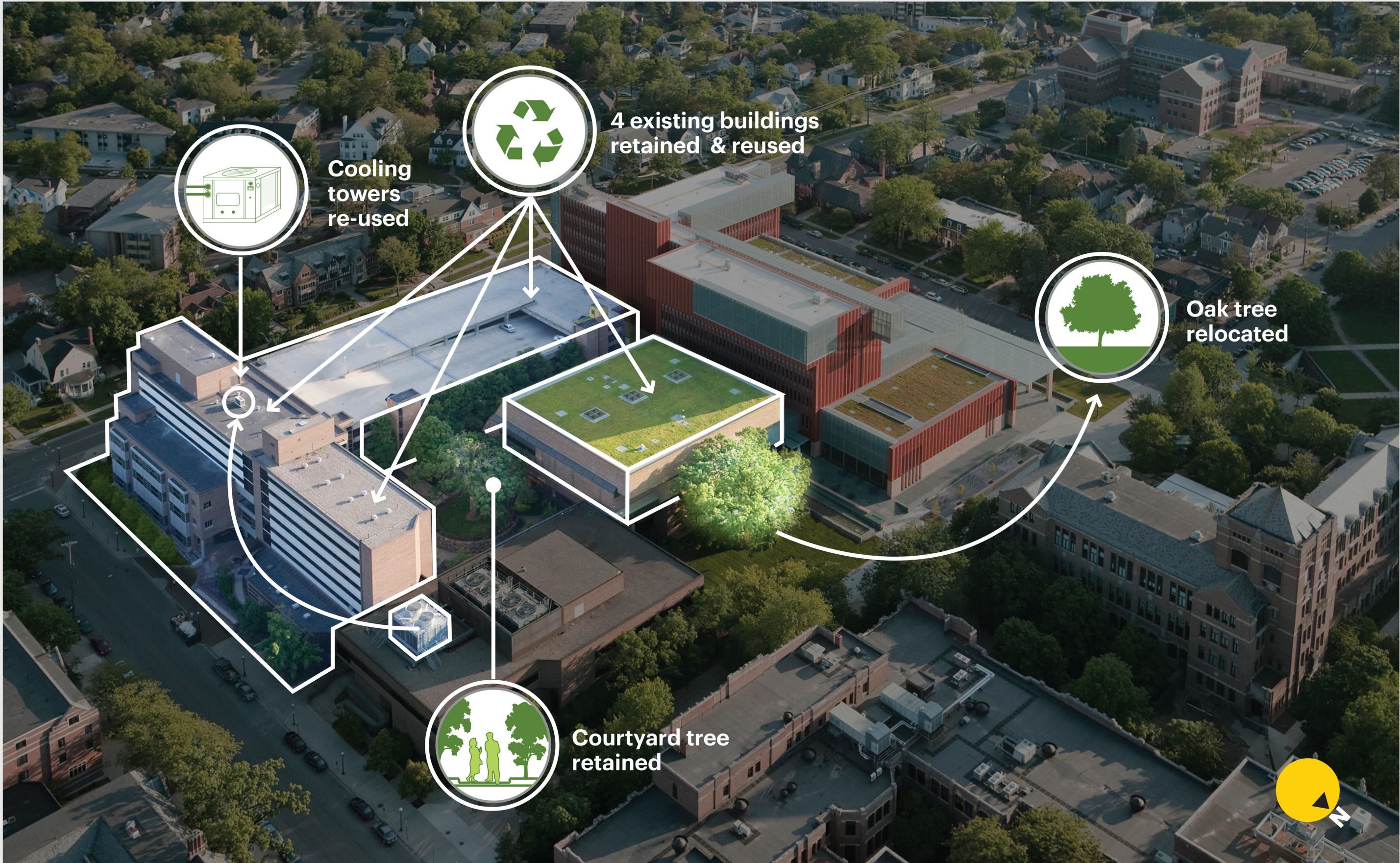
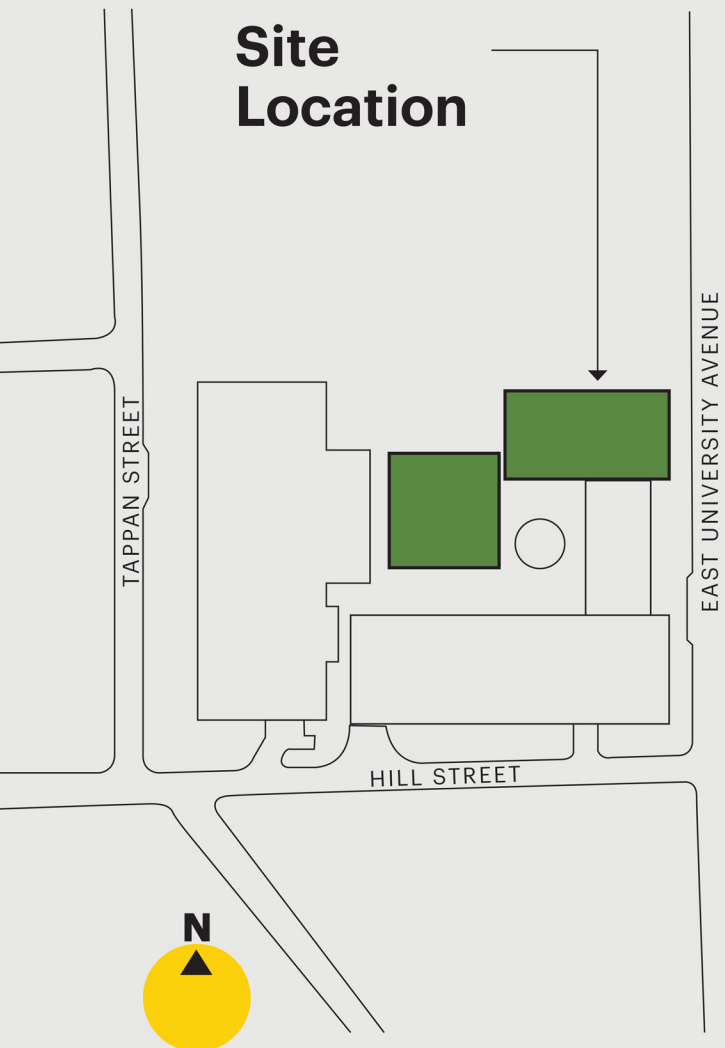




PROJECT DESCRIPTION

The Stephen M. Ross School of Business Kresge Renovation & Jeff T. Blau Hall project provides the Ross School of Business (RSB) with new classrooms, collaboration and group study space, and office space focused on program offices, research centers and student-centered departments such as Career Services and Admissions.

The project substantially improves the building complex for the RSB community, providing a clear new entrance on East University Avenue, a unified architectural character both indoors and outdoors, and a consistent level of quality for the interior experience.



Ross School Complex, 2014

Ross School Complex, July 2016

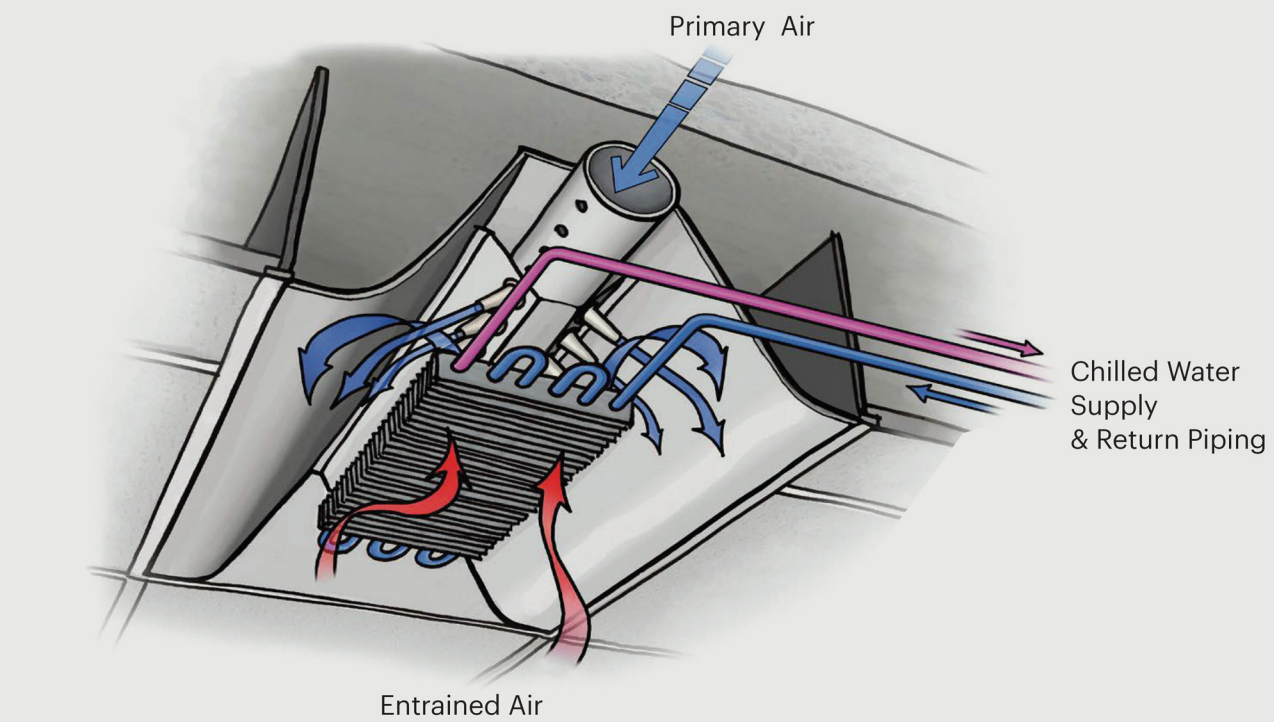
DAYLIGHTING & INTERIOR FINISHES/ FIXTURES



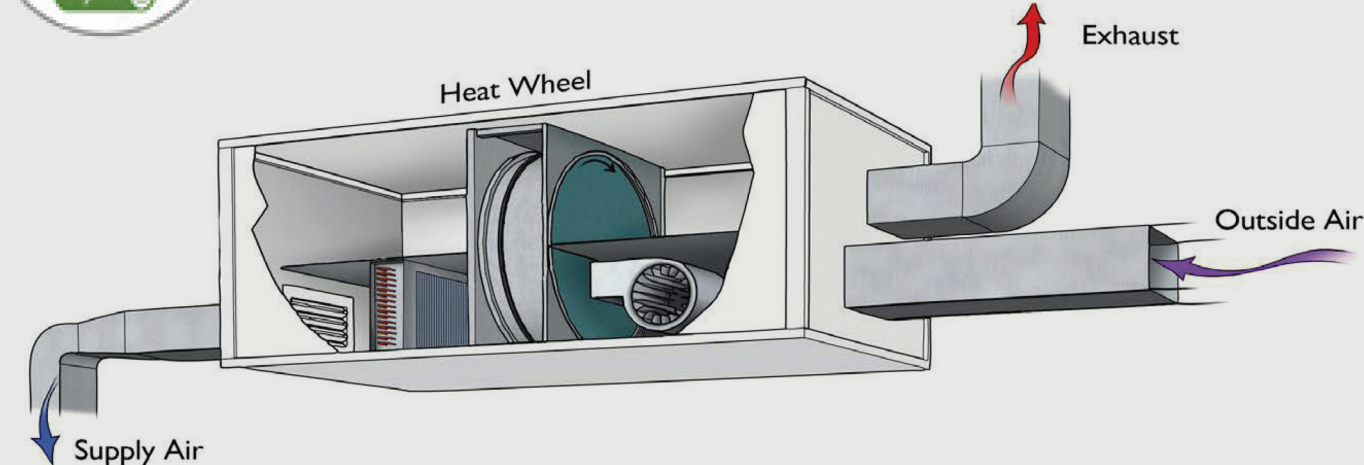
ENERGY CONSERVATION MEASURES

Energy efficient features and building design allow for an estimated 31% energy savings when compared with ASHRAE 90.1-2007 Appendix G requirements.

Chilled beams in the Kresge building limit duct work, maximize floor to ceiling height, and require less material while providing an energy efficient heating and cooling solution.



Energy recovered with Heat Wheel System, reducing heating and cooling energy for ventilation air.



Sustainability Facts

Stephen M. Ross School of Business Kresge Renovation & Jeff T. Blau Hall

Building Use	Office, Classroom and Meeting Space
Location	Ann Arbor, MI
Size	179,000 Square Feet
Number of Occupants	2,100

LEED version	v2009
LEED certification level	Gold
ASHRAE 90.1 version	2007
Energy cost savings compared to ASHRAE baseline	31%

Total energy savings	
Total electrical savings	760,000 kWh / year
Total gas savings	1,658,000 kBtu / year
CO2 emissions avoided	1,600 metric tons/year

Water fixture baseline	Energy Policy Act of 1992
Total water savings	32%

Construction/Demolition waste diverted from landfill	75%
--	-----

Insulation (R-Value)*	Code	Project
Terracotta wall assembly - above grade	15.6	20
Stone clad wall assembly - above grade	15.6	16.1
Roof assembly	20	36

Glazing - Curtain wall system		
U-value**	0.45	0.45

Solar Heat Gain Coefficient (SHGC)**	0.40	0.29
--------------------------------------	------	------

Glazing - Fixed assembly		
U-value**	0.55	0.42

Solar Heat Gain Coefficient (SHGC)**	0.40	0.35
--------------------------------------	------	------

Glazing - Visible Light Transmittance (VT)***		0.63
---	--	------

Project Team		
Owner	The Regents of the University of Michigan - Ross School of Business	
Architect	Kohn Pedersen Fox Associates PC	
Engineer	Affiliated Engineers Inc.	
Contractor	Walbridge	
Commissioning Authority	Fishbeck Thompson Carr & Huber Inc.	
Project Management	U-M AEC	

Design Period: 10/2013 - 04/2015
Construction Period: 06/2014 - 07/2016

* The higher the R-value the better the insulating quality
** The lower the U-value and SHGC the more energy efficient the window
*** The higher the VT value the more daylight in the space. VT is measured between 0 and 1



Stephen M. Ross School of Business Kresge Renovation & Jeff T. Blau Hall