



An occasional publication of sustainability information useful for your project work

AEC Sustainability Team

News Flash: January 2012

The information presented is summary in nature, presented to alert you to new sustainability initiatives. For more information, or to contribute information, contact one of the AEC Sustainability Team Members: Ken Birringer, Larry Bowman, David Karle, Michele Oliver, or Carol Simon.

FENESTRATION SPECIFICATIONS NOW COMPLIANT WITH ASHRAE 90.1-2007

In addition to updating sections to comply with the current Energy Code, field testing requirements have been incorporated into the specifications. This is necessary to ensure proper installation and thus performance.

- New Section added – 08911 “Glazed Aluminum Curtain Wall”
 - Use where glazed area is large, greater than one story, or where performance is especially important.
- Two Sections revised to include requirements for field testing of installed glazing (now standard except for minor projects):
 - 08410 “Aluminum Entrances and Storefront” - use for:
 - Smaller glazed areas
 - Aluminum/glass and solid aluminum entrance doors
 - 08520 “Aluminum Windows”
- Corresponding Design Guidelines have been published / updated for all three of these specification sections.

EPACT TAX INCENTIVES

Section 179D of the EPAct provides opportunity to capture significant federal tax credits when designing energy-efficient systems.

Please be aware of this tax credit and understand that U-M, being a publically funded institute, cannot accept these tax credits; therefore, the financial benefits would go to the project A/E. These deductions may have a significant financial benefit to the A/E and it is recognized that these tax incentives may be included in A/E fee discussions.

REMINDER: SUBMIT SID-D DOCUMENTATION TO THE SUSTAINABILITY TEAM

The AEC Sustainability Team requests that electronic versions of these reports be sent to us so that we can improve energy and water conservation efforts across projects. Please send your report copies to aec.sustainability.team@umich.edu.

SUSTAINABILITY CHECKLIST NOW AVAILABLE FOR USE

A standard Sustainability Checklist has been created to assist design managers in accomplishing the sustainable tasks required by Design Guidelines SID-D and SID-K. Also, this checklist provides a particular emphasis on administrative tasks for LEED projects. This Sustainability Checklist is currently available for use at <s:\forms\project\sustainability checklist.docx>.

DESIGN SUGGESTION: LOW PRESSURE DROP FIRE/SMOKE DAMPERS

Ruskin has introduced a new line of low pressure drop Fire Smoke Dampers. Lower pressure drop means less energy use. Consider these for your project, in particular for large dampers in high pressure ducts. Example: large smoke dampers that isolate air handlers, or at the common duct returns on floors.

INTRODUCING THE NEW AEC SUSTAINABILITY COORDINATOR

We would like to introduce Michele Oliver as our new AEC Sustainability Coordinator. Michele is an alumnus to the University of Michigan where she received a BS in Architecture before continuing her education at SCI-Arc (Southern California Institute of Architecture) and obtaining a Master's degree in Architecture. She is a former Peace Corps Volunteer and has been a LEED accredited professional since 2006. She will be involved in the monitoring of U-M projects pursuing LEED accreditation and the Energy Conservation Measures (ECMs) implemented on U-M building projects. She will also be an active member of the AEC Sustainability Team.

SUSTAINABLE SKILL SETS AVAILABLE

Have you attended a seminar / webinar etc. regarding energy conservation, water conservation, or some other sustainable strategy? Or do you have a project that employs a new sustainable strategy that has not generally been employed on a U-M project? Please let a member of the AEC Sustainability Team know! Whether you are a "big" or "little" expert, we need to share that fact across AEC so that other projects can benefit from your experience.

Here are some recent examples:

- Ground source heat pump at new Golf Practice Facility
- Chilled beams planned for ISR Addition and GG Brown Addition projects
- Sensible energy recovery wheels being installed at Couzens and Lloyd Housing facilities. Enthalpy recovery wheel planned for GG Brown.
- Training taken on solar thermal systems.
- Training taken on radiant heating systems.

If you have ANY experience in a sustainable strategy, let one of the AEC Sustainability Team members know. If you need to know if someone else has experience in a particular sustainability strategy, contact the AEC Sustainability Team. Let's communicate so we can all do a better job.