GOING GREEN WITH LEED

We have many reasons to be proud of our new addition including our "green" initiatives through LEED, which stands for Leadership in Energy and Evironmental Design. It is a third-party certification program and the nationally accepted benchmark for the design, construction and operation of high performch sance green buildings. LEED promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality.

The following are 43 ways we are going "green" in our project.

1. The site is close to public transporation reducing need for staff driving.
2. Use of exisitng building elements such as café, kitchen, AV control room reduces the need for additional construction thus reducing the carbon footprint.
3. Provisions for bicycle storage for staff will be made to encourage reduction of automobile useage.
4. Special close-up parking space assignments for car pooling can be provided.
5. Maintenance of open space, exisitng trees and natural features and foliage will occur to preserve natural environment whenever possible.
6. Provide for on-site earth disposal and supply to reduce trucking and fuel useage.
7. Local building materials have been specified to reduce transportation energy and costs.
8. Storm water bio swales have been incorporated delaying and clarifying water run-offs.
9. Full sky cut-off light fixtures have been specified to reduce light pollution.
10. Low maintenance native landscaping requiring minimal irrigation will be encouraged.
11. Low water use plumbing fixtures have been incorporated.
12. Additional building insultation in walls and roof has been included to reduce energy consumption.
13. High efficiency, low infiltration windows have been specified.
14. High energy efficient heating and cooling units have been incorporated, including economizers and energy recovery unit.
15. Passive heating and cooling elements will be incorporated such as minimal-e glass lowering heatng and air conditioning requirements.
16. Orientation of building entry to minimize air filtration.
17. Zoned heating and air-conditioning will be provided to reduce energy consumption.
18. Cetified lumber from managed forests has been required.
19. Low V.O.C. elements such as paints, substrates, sealants, plywood, carpeting and finishes have been specified to reduce indoor air pollution.
20. Recyclable materials such as carpet, floor tile, concrete, masonry and steel will be used.

21. Carbon monoxide monitoring will be installed to reduce ventillation requirements.
22. Automatic electric on-off light switches will be provided to reduce power useage.
23. High efficiency light sources such as flourescent shall be used.
24. Air locks to exterior doors will be incorporated to reducing heating and cooling.
25. Use of LEED motivated materials and suppliers and subcontractors will be prioritized.
26. Reduction of construction waste materials will be encouraged.
27. Use of hybrid automobile to and from construction site will be used by Architect.
28. Architectural paper products are recycled
29. Architiect's offices are LEED adapted for lower energy use.
30. Maximum use of PVC plumbing lines to reduce use of copper.
31. Programmable thermostats have been incorporated.
32. Combined use of parking with neighboring property owners reduces paving, lowers heat-island effects and saves natural land.
33. Use of vapor barriers to reduce posibility of mold growth.
34. Use of air barrier in the wall construction to reduce air infiltration.
35. Use of the existing hot water boiler system where feasible for better heating efficiency.
36. Use of rubber membrane flashing instead of copper.
37. Use of standard mortar using local lake sand.
38. Use of recycled metal cladded wood to reduce yearly maintenance.
39. Construction Waste Management, will divert 50% of construction debris from landfill.
40. The cattails were left in place along the ditch by U.S. Route 6 to allow them to filter the storm water from the construction site before it reches the City Storm water system.
41. Temporary construction office trailer was not used on project, instead utilizing exisiting facility. This eliminated the trucking of a temporary construction trailer, temporary construction materials needed to erect it and the consumption of temporary power to heat and cool it duing the length of the project.
42. Reuse of 120 CY of existing sub base from the old parking lot as new fill for the building pad. This eliminated trucking in new material.
43. The hollow metal door and frames are manufactured by Ceco Door Company. Ceco doors and frames are made from up to 63.5% recycled steel. (cceco can produce 20 door frames from the steel scrapped from one car which is about what we have on this project.

As we pray for the new building project to honor and glorify GOD, we are called to manage this project in a responsible manner. The following are six ways that our project blesses neighboring business.

- The reinforced steel bars used in the foundations and masonry walls is manufactured by Nucor Steel Company located in Marion Ohio which is 100 miles from the project site. Ninety per cent of this steel is made from scrap materials.

- The Face brick for the project was manufactured in York, Pennsylvania about 280 miles away.

- The Roof Trusses are manufactured in Parker, Pennsylvania approximately 130 miles from RRUMC.

- The new Entry Doors will be manufactured by the Pella Door Company located in Fairfield, Ohio about 210 miles away.

- The Millwork woodwork is being manufactured in Middlefield, Ohio approximatley 45 miles away from Rocky River.

- The sinks in the lavatory are made by Mansfield Company, which is located in Perrysville, Ohio about 75 miles from RRUMC.

OUR PRAYER

Let your spirit descend upon your church that is building here. Within the structure that we construct, may your glory dwell. As we use this building may your love be witnessed and your love taught. We pray this through our Lord, Jesus Christ. Amen.