

BACK TO A GREEN FUTURE[®]

with Progressive Building Solutions

The best way to achieve the highest levels of energy and cost efficiency in new construction is by utilizing energy-efficient design, planning and construction with the assistance of an energy auditor, an Architect with a LEEDS AP or Energy Auditor Certification. Engineers are used for very complex construction projects.

In existing buildings, these technicians perform the initial modification process called weatherization to reduce heat loss and heat gain.

Northpoint Construction crews implement proven Green construction modification, means and methods, products and equipment, for big payoffs in investment and personal comfort while at the same time conserving the environment.



Effective air barrier construction for hot weather blocks solar radiation, while it resists airflow that causes warm air leakage in the cooler months. This represents from 5% to 40% of space-conditioning costs. The exterior edges, corners, openings and heat conductive building materials are the obvious thermal weak points. Problem areas also includes around porches, roofs, attics and crawl spaces, plumbing and ducts, chimneys and stairwells.

Our knowledge about construction characteristics helps to locate and correct these issues in rehabs and renovations while focusing



When retrofitting for **insulation**, familiarity with insulation principles, characteristics and correct installation techniques are invaluable. There are many types of insulation, such as sprays, injected fibers, foams, boards and panels. Some are best suited for fitting around plumbing and hard to get areas and small areas thereby stopping air leakage. There are several methods for insulating floors for greater comfort and temperature control.

It's very exciting to watch the Greening of **interior products** as

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they appear in the market place. Cost for many items, such as tiles, cabinetry, toilets and heating and air conditioning equipment are steadily coming down in price, as their varieties and abundance grow in the marketplace.

Many construction materials used inside and outside are derived from recycled items. Progressive Green concepts benefit the environment, clean the air, save energy costs and extend the life of construction materials while reducing maintenance.

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consistently on various methods in new construction from onstart.

New types of windows have R-values up to R-8, while most windows are between R-1 and R-3.

There are factors favoring inclusion of **unused basements**. Knowing these factors assures a living space that is comfortable during extreme weather. Proper construction is essential, but unfortunately is not mainstream yet.



NORTHPOINT
CONSTRUCTION SERVICES, INC.

4553 N. Clark St. • Second Floor • Chicago, IL 60640
773.506.2799 • fax: 773.506.2871 • inquiry@nptcs.com