ENERGYCRAFT SYSTEMS

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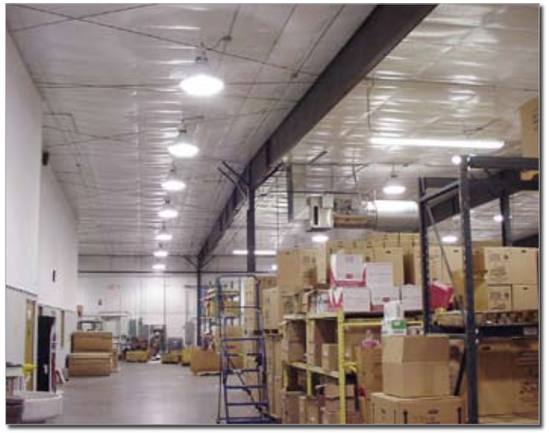
Ideal for all types of buildings!

- Schools
- Offices
- Bus Barns
- Arenas
- Gymnasiums
- Warehouses
- Indoor Skating Rinks
- Manufacturing Plants
- Agricultural Structures
- Churches
- Retail Stores
- Fire Halls
- Repair Shops
- Cold Storage Structures
- Indoor Tennis Facilities
- Aircraft Hangars
- Prison Facilities
- Wine Storage Buildings and many more!

Indoor Recreation Facility

See dramatic results.

EnergyCrafting your building dramatically improves the interior appearance and light reflectivity making the space much brighter and pleasant. Added insulation significantly reduces energy loss and absorbs sound resulting in more comfort for occupants. Energy savings pay for the improvements and save you money.



Warehouse

Contact your local EnergyCraft Systems Contractor today for a free consulation!

Green Statement

Because we live on this planet, we have a responsibility to keep it clean. The earth is not ours to abuse; we'll pass it on to our children and generations thereafter. To this end, EnergyCraft Systems promotes renewable energy sources, recyclable materials, and the use of non-pollutants in all of our products wherever possible.

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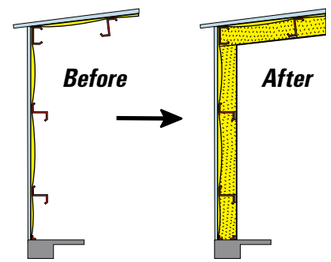
Down to Earth Energy Saving Solutions™

- *Lower Costs*
- *Increase Profits*
- *Add Value*
- *Save Energy*

ENERGY SAVING INSULATION FOR EXISTING BUILDINGS



Systera® Retrofit System

RETROFIT

EnergyCraft solves the problem of existing building energy obsolescence.

Superior Thermal Performance

Most existing commercial and industrial buildings have obsolete energy systems for today's higher energy costs. Pre-engineered metal buildings are particularly obsolete because of the poor insulation methods used in these buildings. Actual "installed" R-values are commonly up to 50% less than the package label R-values. The insulation was typically compressed during installation. The graph below shows calculations for a standard conditioned building. The lowest cost results from the most energy efficient buildings. Significant savings will result from upgrading building thermal performance to the Systera System.

Equipment Performance

Older heating and cooling equipment was sized for the poorly insulated buildings. Up to 300% more equipment was used than is now required with our Systera Systems, giving a 67% savings from the reduction of equipment. The efficiency of older heating and cooling equipment was often 30% less than our current 92% efficient models, yielding even more savings.

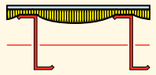
Systera liner systems also significantly increase light reflectivity which reduces lighting equipment and lighting energy costs up to 30%. Superior lighting fixture efficiency will also reduce energy consumption up to 50%.

Energy Management

Saving energy is directly related to how we use the building. Old systems were designed with all manual switches that required a conscious effort to control use. Our EnergyCraft systems may be designed to automate many controls which reduces wasted energy costs, lowers peak usage and reduces demand charges. We at EnergyCraft can help you minimize and manage your energy use. Upgrading your building increases its value by renewing the interior appearance and lowering the costs of operation. Call your EnergyCraft Contractor today for energy management information! 1-800-350-0776

The highest insulation values produce the lowest cost.

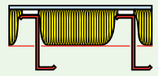
Over-the-Purlin Method



(obsolete)

- severely compressed insulation = reduced R-value = higher energy cost
- improperly placed vapor barrier outside of dew point line results in condensation, corrosion, and a shortened roof life
- poorly sealed seams voids vapor barrier
- exposed structure absorbs light
- unfinished appearance
- exposed purlins collect dust and conduct, absorb and radiate heat

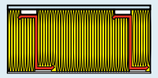
Long Tab Method



(obsolete)

- reduced R-value from compression and exposed steel purlins
- improperly placed vapor barrier outside of dew point line results in condensation, corrosion, and a shortened roof life
- poorly sealed seams voids vapor barrier
- partially insulated purlins leads to greater condensation and corrosion
- exposed structure absorbs light
- unfinished appearance

Systera Insulation System



- completely isolates purlins and girts behind a vapor barrier liner preventing condensation and corrosion
- creates the proper space for full insulation performance with no loss due to compression
- 85% light reflectivity liner brightens buildings and reduces lighting
- reduces HVAC equipment costs
- provides superior appearance
- prevents dust from collecting on purlins

*Based on a 100' x 200' x 20' pre-engineered metal building; heating and cooling values. Design temperatures: Winter (70° F inside/ -20° F outside) 90° F difference; Summer (75° F inside/ 95° F outside) 20° F difference. Costs include energy and maintenance costs. All graphs and tables are examples and not guaranteed values. Call for a free analysis of your proposed or existing building. 1-800-350-0776

Your EnergyCraft contractor .....

..... provides free energy analysis. 1

Your EnergyCraft Contractor will provide a free computerized analysis of savings that can result from the installation of the Systera Retrofit Insulation System and more efficient EnergyCraft Heating Appliances or EnergyCraft Heating/Cooling Appliances. They work with you to provide the ultimate in energy efficient designs and to maximize the collateral savings in other systems.

..... provides free quotes on upgrading your system for energy efficiency. 2

Your EnergyCraft Contractor will assess the needs of your building and give you a guaranteed price quote that gives you optimized performance. It will include pricing for the Systera Retrofit Insulation System. EnergyCraft HVAC Appliances and other products and services you desire to upgrade your building may also be quoted.

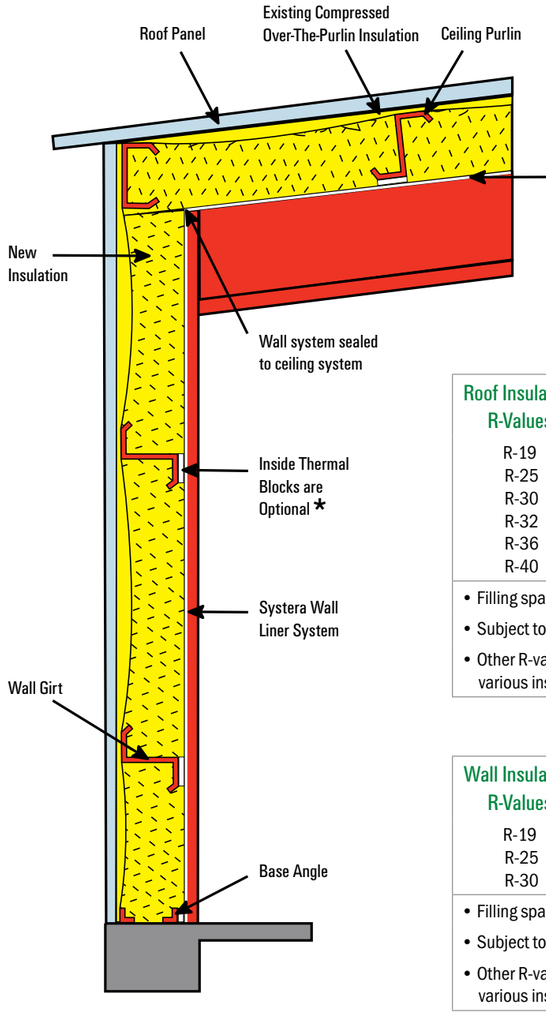
..... professionally installs the Systera and EnergyCraft products. 3

Quality, performance and customer satisfaction are functions of good workmanship. Your EnergyCraft Contractor is specially trained to provide professional installation with consistent quality results.

..... offers service and maintenance for your EnergyCrafted building. 4

A little tender loving care is always required to keep your systems in top running condition. Your EnergyCraft Contractor can inspect your systems periodically and assure that you are receiving the maximum energy saving benefits you deserve. This service protects your investment and will give you peace of mind.

Typical Metal Panel Roof and Wall System



Roof Insulation R-Values	Purlin Depth
R-19	6"
R-25	8"
R-30	9"
R-32	10"
R-36	11"
R-40	12"

- Filling space required
- Subject to space availability
- Other R-values available with various insulation materials

Wall Insulation R-Values	Girt Depth
R-19	6"
R-25	8"
R-30	9"

- Filling space required
- Subject to space availability
- Other R-values available with various insulation materials

Available Options of Thermal Blocks

Size	Material
A. 1/8" x 3"	Quik-Stop™ Polyfoam Tape
B. 3/8" x 3"	Quik-Stop™ Polyfoam Tape
C. 3/4" x 3"	Quik-Stop™ Polyfoam Block
D. 3/8" x 4"	Snap-R™ Thermal Block
E. 1" x 4"	Snap-R™ Thermal Block
F. 1/2"	Air space

Snap-R™ Thermal Block

Quik-Stop™ Polyfoam Block or Tape

*Thermal blocks are optional in buildings with existing insulation. Thermal blocks are required in buildings without existing insulation.