

# Designed For You



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architecture / engineering / site  
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planning / interior design  
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## The Green Scene • By Gerald Shurley, LEED AP

The recession is here and everyone is trying to figure out how to cut expenses. Most people fail to realize that by applying minimal changes to a project they can save a substantial amount of money on their annual energy costs. Of course, some applications are more costly than others. It can be as easy as using a light colored roof cap sheet to help reflect light, or as complex as producing your own roof garden. Either way, you can help reduce the carbon footprint and add a couple of extra dollars to your wallet.

There are three options for earning this credit:

### Option 1:

75% of the roof should be:

- SRI (Solar Reflectance Index) 78 for a slope less than 2:12 (low-sloped roof)
- SRI (Solar Reflectance Index) 29 for a slope more than 2:12 (steep-sloped roof)

### Option 2:

-Install a vegetated roof for at least 50% of the roof area. For more information on roof gardens check out [www.greengridroofs.com](http://www.greengridroofs.com). These modular units can be set up to create a variety of configurations that are both aesthetically pleasing and environmentally-friendly.

### Option 3:

Combination of Options 1&2:

- Calculation of (area of SRI roof/0.75) + (area of vegetated roof/0.5) is greater than total roof area

### Extra Credit:

- One extra credit can be earned by installing a vegetated roof for 100% of the roof area, excluding: mechanical units, skylights, and photovoltaic panels.



## SPOTLIGHT *Mark Rodgers*

GGWArchitects client, Mark Rodgers of the City of North Las Vegas, fondly recalls wearing his dad's hard hat, while eating a boxed lunch on a "break" at his dad's construction company in Albuquerque; as he often did before starting kindergarten. Some years later, Mark submitted a science fair project for school that studied how much weight building trusses could handle. His love of "structures" led Mark to pursue a career as a structural engineer. He earned a degree in Civil Engineering with an emphasis on Structural Engineering from New Mexico State.

After working for a local firm, Mark joined Albuquerque-based Dekker/Perich/Sabatini. While there, he became a certified Professional Engineer and remained there 4 more years before being transferred to the D/P/S Las Vegas office to open and manage their Structural Engineering Department. Mark offered support for all D/P/S architectural projects for mostly commercial and medical facilities.

Mark worked on City of North Las Vegas projects, while at D/P/S. He found the City's Senior Engineer opening, online, and was happy to accept their offer in March, 2008.

Mark also acts as Project Manager, representing the City's interests and coordinating with consultants. "I make sure we get our proponent's wishes and desires in their buildings and remodels." He's still learning the details of his job, day-by-day, including handling a huge amount of paperwork. It's both "challenging and fun."

In addition to being a licensed civil and structural engineer, Mark is also studying for L.E.E.D. certification. The City of North Las Vegas hopes to obtain L.E.E.D. "Silver" certification on the current City Hall project.

Though the economy is on a downturn, the City of North Las Vegas is still busy. "We have decent projects for next year and are funded until 2010. Right now we have 60 plan holders who want the work."

Since coming on board at the City, Mark's interaction with GGW has been primarily with Job Captain, Kristine T. Czach. "She is doing a good job for us." Mark also coordinates with Mark V. Martino. They are currently working together on Fire Station #54.

Away from the job, Mark enjoys time with his wife, who works at the Veterans Administration. She had a similar post in Albuquerque. Huge NASCAR fans, the couple attended the recent Las Vegas Motor Speedway event all weekend!

Things are very upbeat for this valued GGWArchitects client. We wish him continued success!

# GGWArchitects<sup>2</sup>