

# Lynn W. Williams Science & Technology Lodge

*Hockessin, Delaware*



LEED Platinum certification has been awarded for the project.  
The Lynn W. Williams, Science & Technology Lodge  
is the first building in the State of Delaware  
to attain the Platinum certification.



Prepared by:



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# Lynn W. Williams, Science & Technology Lodge

Hockessin, Delaware



Exterior spaces include a south deck, north porch, and entry porch with foot bridge.



## EXTERIOR SUSTAINABLE STRATEGIES:

1. The clerestory provides daylight and natural light ventilation.
2. PV panels produce electricity on site.
3. Solar thermal panels product hot water for faucets and showers.
4. Rainwater is collected in below grade cisterns for flushing toilets.
5. Rainwater is collected in above grade cisterns for landscape irrigation.
6. A vegetative roof is installed on the pump house to showcase a sustainable roofing material and help the structure blend into the landscape.
7. All landscape elements are native or adaptive and do not require a permanent irrigation system.
8. The roof is a highly reflective standing seam metal roof which reflects the sun and helps keep the building cool during the summer months.
9. The roof has an overhang along the southern edge to help keep solar gain out of the building during the warm months.



Interior spaces include a multipurpose room, science classroom, kitchen, restroom, director's office, nurse's suite, vestibule, and hall.



#### INTERIOR SUSTAINABLE STRATEGIES:

1. The lights are controlled by a daylight harvesting system; when the sun is shining the lights automatically dim to conserve energy.
2. The toilets are dual flush fixtures that use collected rainwater; a small amount of water is used to flush liquids; and a larger amount of water for solids.
3. Interior materials used for paints, coatings, adhesives, and sealants have low VOC levels.
4. The walls and floors are insulated with a soy based foam insulation that provides a high R-Value and greatly minimizes air infiltration.
5. The roof is made of highly insulated SIP's, which are composed of a layer of foam insulation between two pieces of OSB.
6. A construction waste management plan was followed during the construction process to help keep recyclable waste and debris out of the landfill. A diversion rate of over 75% was targeted and achieved.
7. Interior water meters monitor water consumption.



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Fred Dill  
Project Manager  
SC&A Construction  
Suite 200, Hagley Building  
3411 Silverside Road  
Wilmington, DE 19810

Dear Fred:

By way of this letter our firm, Re:Vision Architecture (RVA), would like to formally thank SC&A Construction for your efforts in ensuring the Science & Tech Lodge project for the Girl Scouts of the Chesapeake Bay was such a success. SC&A was instrumental in managing costs and schedule and always willing to help resolve issues with the client's best interests at hand. The budget for this project was very tight. SC&A was great at suggesting cost effective alternatives for items that were proving to be a strain on the budget. You even went so far as to donate items to the project, such as the sink stations and glassware shelving in the science classroom. SC&A was truly interested in helping the client achieve the best product they could.

As far as willingness to try new construction practices and embrace sustainable design, you are among the best we have worked with thus far. During the course of construction the site superintendent became Green Advantage certified, and I know that at least several management level employees of SC&A took a study course for the LEED AP exam, with one already successfully passing the exam. Your interest and desire to learn more about green design and construction practices throughout the project was great to see and a reason the project was successful. Additionally, the construction process was a pleasure due in large part to your particular attention with finding solutions to any unforeseen issues that become apparent along the way. I felt like you honestly wanted to work together to get the best building we could for the client.

RVA looks forward to the next opportunity we have to work together and hopes that SC&A Construction has on going success as you continue to grow with your sustainable construction practices. Your impact can be great and we envision any future collaboration will be just as successful as this one.

Best regards,



Justin D. Weisser  
Project Manager





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September 17, 2009

Mr. Thomas Cover  
 SC&A Construction, Inc.  
 P. O. Box 7202  
 Wilmington, DE 19803

Dear Tom:

This letter is to express our appreciation for the outstanding owner-contractor relationship we have had during our Girl Scout Camp Country Center Lodge project.

Your team of project manager, site supervisor and office staff have continually gone out of their way to understand the Girl Scout program driving the architect's plans. The valuable engineering changes you identified enhanced the project from the start. Your team absorbed the frustrations of getting timely county approvals to keep close to schedule. The biggest challenge, perhaps, was learning and implementing the requirements of lead certification including working with the architect and finding recycled materials suppliers for the sub-contractors. I understand you and others at SC&A took the LEED course and are now certified professionals! Congratulations!

We are grateful for your donation of laboratory cabinets in the Science Room; we are very appreciative of all the kindnesses and help extended to our program/site manager was able to conduct programs during construction.

Our program manager has only the highest praise for the excellent communication, honesty, trust and good will shown by SC&A during this project.

With best wishes,

Yours sincerely,

Anne T. Hogan  
 Chief Executive Officer

Cc: Lynn Williams

