



AIA Eastern Pennsylvania

A Chapter of The American Institute of Architects

Quarterly Newsletter

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Volume I, Issue I

Fall 2005

President's Message

Although my term as 2005 Chapter President is not quite finished, I'd like to take this time to thank my Board for their hard work in making my tenure successful.

It all began with our Executive Board Retreat in January. I've always felt that planning and analyzing the details is essential before taking the first physical step. Perhaps this is why I've chosen Contracts and Specifications as my niche. At the retreat we reviewed, revised and finalized our Bylaws – finally! We also updated our Long-Range Plans and modified our State provided services contract. It's my hope these forethoughts will provide a framework for our chapter to thrive long after my tenure is over.

A devastating health issue required our Treasurer to step down. Our prayers are with Brian Brandis, AIA and his family. His contributions are sorely missed. This deficit in the Executive Board inspired two individuals to "step-up to the plate." Many thanks to Gene Berg, AIA who has picked-up the books and keep our finances in order, and impeccable I might add.

Brian was also the catalyst for reinstating our Golf Outing. In his absence, Joe Balsamo, intern architect, planned, organized and ran a very successful golf event raising almost \$2000.00 for the American Cancer Society and the Wildlands Conservancy!

Sylvia Deye has joined our team as Secretary and comes to our chapter with great experience from the Denver chapter. The one thing I asked was to use an outline format for the minutes and now every meeting runs like a jobsite progress meeting. That's a good thing!

Directors David Drake, AIA and John Hill, AIA have provided me with tremendous help and mentoring as senior members of our Chapter. Both, along with Howard Kulp, AIA, have kept us informed of State level happenings and John now serves as Treasure for AIAPA. New this year is the office of Associate Director. Thanks to Tim Mahoney, Assoc. AIA for taking on this position and helping to encourage our young associate members to become more involved with AIA.

And now I have this opportunity to communicate with you through this new newsletter thanks to Chris Campbell. We've gone through many newsletter editors over the years and I know personally what a challenge it is to produce. Our new version which you read today is in response to the changing demographics of our membership. Thanks to the Internet, we can instantly communicate with our membership while eliminating the delay and costs of hardcopy printing. For those members who desire, a printed copy will be faxed/mailed at your discretion.

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Spotlight—Janet M. Grazul, AIA

- * Senior Associate / Project Manager, The Architectural Studio
- * Joined firm in 1992
- * Primary responsibilities include overseeing the preparation of Contract Documents and Construction Administration

Highlights:

- * 20 years as an architect working on educational projects in PA, NY and NJ
- * 1981 – Worked for Resorts International Hotel and Casino, Atlantic City, during preliminary design phase on a new hotel and casino that later became the Trump Taj Mahal Casino Resort
- * 1990 - Worked for Berkshire Motion Picture Company, Housatonic, MA, as a model builder, on the sets used to create the “Back To The Future” film ride for Universal Studios

Education:

- * Bachelor of Architecture, with Honors, University of Tennessee

Professional:

- * Registered Architect – New Jersey
- * Member American Institute of Architects

Community:

- * Served 10 of the past 12 years on Condominium Association Board of Directors
- * Currently member of Condominium Association Buildings Committee

Personal:

- * Moved to the Lehigh Valley in 1992
- * Spends free time playing golf, and enjoying the company of her dog “Fairway”

Thanks to Janet for letting us get to know her better. Send future spotlight candidates to: ccampbell@garlandind.com.

President’s Message continued -

Stewart Gouck, AIA was unanimously elected Past President and is teaching me everything I need to know to run a successful Design Awards celebration. We hope to see you all at the Baum School of Arts on December 8th!

Looking back, Allied Member Night was again a successful event in which we recognized our industry members and gained knowledge in their products and services. This event was only one of many (Synergy...Muhlenberg Tour...NCC presentation...Kutztown legal issues...the Libeskind DVD...CADD software...LEED issues) that we must thank Ron Shaffer, AIA for coordinating. Good luck Ron as next years President!

Lastly, much of my early success with AIA I attribute to Past-Past-President, John Watkins, AIA. His passion and energy were infectious. Thank you John for taking me under your wing and for sharing your vision, integrity and enthusiasm for AIA.

And though my term as President is in its twilight months I hope to be elected Past-President and continue to serve the Chapter in that capacity along with my legislative activities.

Thank you all and continued success to the AIA Eastern Pennsylvania Chapter in the future!

Sincerely,
Jim Spinola, AIA, CSI
 President

Quarterly Technical Focus

Metal Roofing—How to Design a Metal Roof with Visual Impact and Ensure it is Properly Engineered and Installed

by Chris Campbell, the Garland Co.

Use of metal roofing systems is growing at a rapid pace. Versatility, aesthetics, low maintenance, durability, environmental... These are all factors that are contributing to its popularity. Metal roofs can be low slope or high slope; architectural and/or structural; used in new construction, re-roofing or retrofitting.

But the biggest concern is how do we design it the right way? What factors do you need to consider? How do I protect the owner and my firm?

A quality metal roofing system requires two critical elements of integrity:

1. Watertightness
2. Wind Uplift resistance

How to achieve these two elements consistently requires a checklist of critical factors be analyzed, specified and monitored during construction:

- A) Code Compliance — International Building code and local codes; importance of understanding the owner's insurance carrier's requirements and building needs based on use, location, population and height (FM 1 90, UL 790, ASTM 1592, ASCE 7
- B) Local weather conditions; humidity, wind , snow loads, etc.
- C) Flashing and terminations details must be project specific and drawings clear and followed by the roofing contractor
- D) Design must incorporate thermal expansion; clip and panel configurations should allow unlimited movement; clip composition and spacing should be calculated for every project (field, perimeter, corners)
- E) Moisture condensations—when is a vapor retarder needed; how is venting between the panels and roof substrate accomplished?
- F) Sealant Composition—exposed and unexposed considerations, factory or field installed, butyl tapes
- G) Drainage and Overflow Capacity and their proper design
- H) Metallic Coatings and Paint finishes—what are the panels coated with? Will they hold up to the roll forming process? What finish warranties are available?

Resources are available to help you with the design process. It is important to select a manufacturer that will help you with the technical aspects of the design, provide shop drawings to ensure that specifications are properly detailed, and job oversight to ensure a smooth and correct installation.

Public Health and the Built Environment

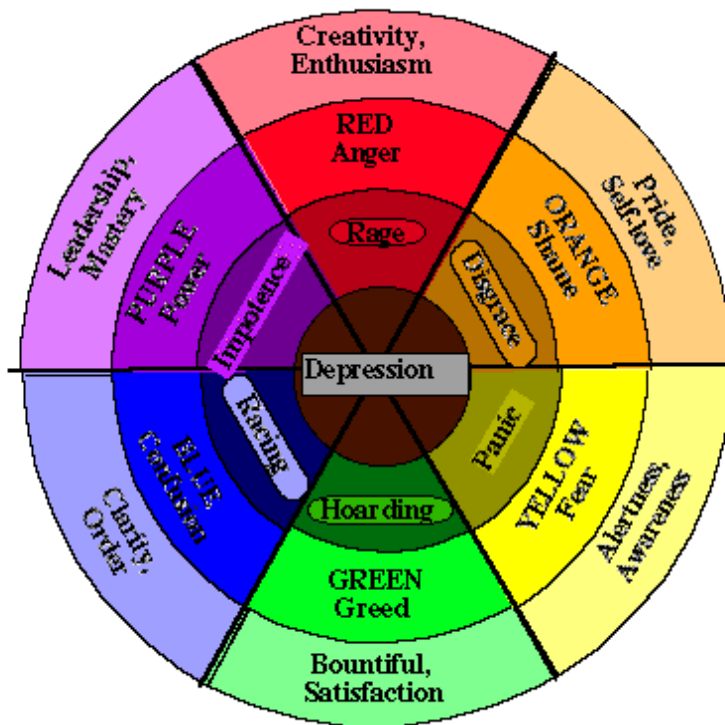
Submitted by Sylvia B. Deye, AIA

Color and your built environment 101 – We all like color? A lot of us like black, white and gray. The last time most of us might have discussed color and how it can affect your mental health or someone else's, was probably in our freshman year of college.

Just recently, I started to research color again, and came to realize that a good upcoming seminar should be on color for Architects (with learning credits of course). So if there is anyone out there with a claim to fame on color and our mental health please come forward and educate/refresh our knowledge on this subject. I think color use and green architecture go together – that could be another topic in itself.

Although mental health is just as important as physical, it is very often neglected. Aspects of building design that affect mental well-being include size, location, building materials, light, and color. The affect of colors on emotions can be very complex. In general, warmer tones, such as reds & oranges, induce energy & excitement. Cooler tones, such as blues and greens, induce peace & tranquility. This is why cool colors are typically used in hospitals & doctor's offices, while warm colors are typically used in fast food places.

Below, is a great color wheel to always have handy – the web site listed has bountiful information with regards to how children in different age groups and adults perceive and like color. For example, 6th grade students and older, do not like primary colors. The middle school kids like bright colors while the high school age group begins to prefer the warmer muted tones that appeal to most adults. Feel free to use color!



- #1 Circle, outside - symbolizes the positive aspects of each of six emotions.
- #2 Circle - the six emotions, three primaries and three secondary, represented by their colors.
- #3 Circle - the negative aspects of each emotion. #4 Circle - Depression, the muddy mixture of all negative emotions.

AIA Associate Membership Benefits

Submitted by Tim Mahoney, Assoc. AIA

In recent years the AIA has put forth a great effort to welcome and embrace the young professionals and developing interns of the architectural community. At all levels of the AIA, national, state and local chapters, more opportunities to participate and learn have been created for the architects of tomorrow. The AIA recognizes that we are the future leaders of the design profession and they have a desire and responsibility to see that through our development the profession will continue its standard of excellence as well as evolve. The AIA Associate Membership category has grown into a vital component within the organization. Associate Membership offers benefits to both the individual and the firm.

As a developing intern, an Associate Membership in the AIA can provide you with opportunities to participate in advocacy, better your community, expand your knowledge base, and provide you with contacts in all areas of the design and construction industry. At both the regional and state levels an Associate Director's position was created to give Associate Members a voice in the governing bodies of the organization. An Associates Committee was also established at the state level to open the lines of communication between local chapters. Through the efforts of the Regional and State Directors and the Associate Committee a National and Statewide e-mail is distributed to all Associate Members informing them of events within their local chapters as well as other areas throughout the state and the country. An Associate specific link was created at the AIA National and State websites, as well as access to the AIA career center. For the past three years at the Annual Statewide Leadership Conference programs and seminars geared specifically toward Interns and Associate Members have been included in the program. This Fall's Conference featured a presentation and hands-on demonstration from the International Masonry Institute and a presentation on the new edition of the Emerging Professionals Companion, to which any Associate Member has free access to over the internet. An Associates Category in the Statewide Design Competition was established, and this year it will feature a broader scope for submissions. National Competitions for Emerging Professionals Component of the Year and Emerging Professional of the Year are also open to Associate Members for submission. Currently the National Associates Committee is working on fostering a better mentoring program with which to provide individual guidance in finding a Mentor for professional development.

AIA Associate Membership is a valuable asset to a firm as well. By encouraging interns and young professionals to participate and show an interest in what is happening outside the walls of your office and in the local design community, and the profession as a whole, you instill a sense self importance and community responsibility. Inviting an Associate Member from your firm to attend monthly chapter meetings and events with you can also help bridge the generation gap and lay the groundwork for a more open working relationship.

AIA Associate Membership has had a positive impact on my professional career thus far and I highly encourage any Intern Architect who is not a member to at least browse the National, State, and Chapter websites to view the many opportunities that are available to you.

Look for Future Newsletters....

We hope you enjoy this inaugural issue of our chapter newsletter. We plan to spotlight an architect each issue and provide a technical support article from our allied members.

To contribute, recommend, advertise or comment please email—

Chris Campbell at ccampbell@garlandind.com

Thank you!

The Mission of AIA Pennsylvania

“In representing, serving, and communicating the interests of our local chapters and individual members, AIA Pennsylvania promotes the professions of architecture throughout the Commonwealth of Pennsylvania while striving for the highest quality in the built environment.”

Core Values

AIA Pennsylvania, as a unifying body of the Pennsylvania Chapter of the American Institute of Architects and their members, holds as its CORE VALUES, betterment of the fellowship, knowledge and skills of its members; thus the promise that enhancement of quality in the practice of architecture benefits the architect and all Pennsylvanians.

- We are dedicated to the quality of Pennsylvania's built environment.
- By serving as a resource to state government, we promote enlightened legislation relative to the built environment.
- We believe that an educated public adds value to the quality of the architect's services and products.
- We advocate the use of qualifications-based processes for selection of architects.
- We are committed to the maintenance of the highest standards of professional qualifications and licensure for architects in Pennsylvania.
- We are committed to advancements in the professional training of architects.
- We promote communication and interaction among the state components of the Institute.
- We value our members as our most important asset.
- We support the recognition of architectural achievements.
- We regard the architects role as essential to the preservation and development of the built environment.
- We support the highest standards of professional ethics.

“We are dedicated to the quality of Pennsylvania's built environment.”

