

PACC Meet the Architect Presentation Notes

Line and Space, LLC

2015 June 25

Line and Space Intro and History - Henry

Thank you and honored to be selected for this project

Line and Space key people:

- Henry Tom will be project Manager
- Bob Clements, Lead Design Architect
- Mike Anglin , Project Architect

Founded in 1978 to create architecture that responds to our clients' needs with an emphasis on environmentally-sound practices

- Headquartered in Tucson with studios in Hawaii and Beijing, China
- Tucson studio guided by principals that have been working together for more than 20 years.
- Work has been recognized with over 100 awards, including an AIA Top Ten award for environmentally-responsive architecture.
- We have also been awarded Firm of the Year by both AIA Arizona and the Western Mountain Region of the AIA.

Local projects of ours you might be familiar with include the Arizona-Sonora Desert Museum Restaurant and Gallery Complex and the University of Arizona Poetry Center, in addition to the other work we're showing on the presentation boards here.

Animal Expert Team Members - Mike

Animal Arts Design (AA) out of Boulder, Colorado will act as our **trusted advisors**, providing shelter-specific architectural design guidance that will complement our understanding of the site and Sonoran Desert environment.

- **Line and Space chose AA as one of our key consultants because of like-minded approach, our design philosophies and approach (which Bob will talk about more in-depth) are aligned**
- AA specializes exclusively in animal shelter and veterinary hospital design
- Successfully completed over 600 projects around the world, including shelters ranging in size from 5,500 to 80,000 ft².
- Their innovative animal care environments focus on reducing stress and promoting overall animal wellness and socialization

Animal Arts not only has an exemplary record of successfully working with prime firms, but an working relationship established with the UC Davis Koret Shelter Medicine Program (Koret)

Koret will advise on shelter operations and veterinary health/animal welfare aspects.

- KSMP was the first university-based shelter medicine program in the world and remains a recognized leader in this emerging field; shelter medicine versus general
- KSMP staff have published dozens of journal articles, including coauthoring the Association of Shelter Veterinarians' Guidelines for Standards of Care in Animal Shelters; *literally* wrote the book

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- First program of its kind to offer shelter consultations, KSMP brings unparalleled familiarity with shelter design from a veterinary perspective
- Also unique because in addition to advising us on building design/configuration, they will work directly with PACC staff to understand and evaluate their priorities, operations, and procedures
- KSMP will emphasize suggestions that are functionally aligned with the goals and mandates of PACC while staying within the project budget

Shared set of beliefs regarding the **importance of understanding before designing**, prioritization of efficiencies in both material and labor use, and the value of a highly site- and program-responsive design, are what **will make our team uniquely successful in collaborating** on the new Pima Animal Care Center.

Line and Space Process - Bob

Our team avoids beginning projects with preconceived notions of what the building should be, how the building should function, and how users' needs should be met

We look at every project as being unique

Each has different management approaches, different functions, places different emphasis on roles they play in their communities, and have different impacts placed on it by its specific site and the climate of its location.

We start every project with an intensive information gathering process. For both Line and Space and Animal Arts, a high quality project begins with high quality information; Key to this approach is a thorough understanding of our client's needs and goals, which are conveyed to our team in a collaborative Programming Workshop setting:

- Workshops are organized in sessions that will cover all aspects of a given project, with focus given to topics such as mission, goals and precepts, users, budget, sustainability, schedule, site, spaces, and others depending on the project specifics
- It is critical for us to work with the actual end-users of the project (such as the public, PACC staff, and volunteers), as often this input from people not commonly part of the "building committee" can significantly affect the concept
- As we've done in the past, workshops for PACC could be held on site, to immerse participants in the place and connect them to the environment
- These workshops are the best method for building consensus among all stakeholders

After the workshops, our team produces a document known as the Architectural Design Program that establishes and defines all parameters for the project and, after Pima County review and approval, becomes our manual for planning and design.

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Other important aspects of our process that go hand-in-hand with our programming methods include:

- **Site Documentation and Analysis** - As a precursor to design, we carefully study the site and context, solar paths, views, wind, drainage, circulation, noise, and other forces that help fully integrate our work with its surroundings.
- **Formation of Concepts** - Precepts lead to the formation of concepts based upon circulation (especially critical in an animal care facility), function and site parameters. The concept is the overarching organizational idea that allows us to meld together all the specifics of the Architectural Design Program. This takes the form of diagrams that will be the centerpiece of continued dialogue with PACC.
- **Solution** - Once the concept is finalized, it will be carefully developed with sketches and models as we strive to strengthen our design ideas as an ever more focused solution evolves.
- **Testing of Ideas** - We will test our ideas with the PACC/Pima County representatives at the site. Using computer and/or physical models, we can walk stakeholders through the project in a way that concepts can be easily visualized.

Line and Space Philosophy - Bob

Land and Climate

- We learn from land and climate
- Site and environment shape and form our designs

Environmental Design

- Step lightly on the land
- Minimize disturbance of site and landscape,
- Conserve resources
 - solar energy
 - water harvesting
 - gray water reuse
 - incorporation of recycled or salvaged materials
 - Passive - In our desert climate basics such as orientation and shading glass from sun is a given

Respect for Place

- Our work is biased by a deep reverence for the environment. By demonstrating our respect for the site, users will come away with a newfound sensitivity to place.

Design of its Time

- **students of our regional influences**
- Favor the **deeper meaning of entry sequence, views, scale, and timeless natural materials.**
- Our designs are **shaped by climate, context, and program** rather than decoration or adornment.

Inside/Outside

- We emphasize **spatial and visual connections** to the **surroundings**

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- Create **gentle transitions between interior and exterior** while conserving significant amounts of energy
- Pioneers in **extending the usability of outdoor** space by creating tempered microclimates.

Discovery

- We design our projects to **be teaching tools** on how to **live appropriately and in harmony with one's environment**
- We believe buildings have the power to **delight, inspire, and uplift the spirit** of those that use them

Maintenance

Even when capital funds are available, it is often times difficult to find money for maintenance. We specify:

- **Easily maintained finishes**
- **Long lasting materials and systems to minimize maintenance costs.**

Accessibility

- **Barriers are intolerable and we believe in seamless integration for people with disabilities**
- **separating those with disabilities enhances feelings of being different**
- **We strive for building features to be universal – our goal is for everyone to have the same experience rather than people with challenges feeling as though they are separated from the general population.**

We are contractors - a rare trait among architects

- Over the years we have gained **significant experience acting as General Contractors for several of our projects**
- **Enhanced insight, experience and knowledge of constructability and budget**
- **Better understanding of how to maximize architectural possibilities within budgetary constraints**

Summary/Conclusion

- **Honored**
- **Look forward to working with Pima County, PACC staff/volunteers to create –successful, functional, efficient new PACC while providing a better place for animal, staff, volunteers and visitors.**