Visioning Workshop for Hong Kong Academy - Sai Kung New School Project

Agenda

8:00-8:15  Introductions / Firm Background

8:15-9:30  Visioning Work Session
Discussion of 21 things that are changing in International School Design
    This is an interactive session where we present an idea, and the group responds or makes a comment
    – this helps create the topics for the next session

9:30-9:45  Break
Agenda

9:45-10:30  Project Examples/Trends
            Focusing on what we learned during the first hour...

10:30-11:30 Design Charrette
              Opportunities
              Program size/ grossing factor explanation
              Etc

11:30-12:00 Wrap Up – Final Q&A

11:00-12:00 Long Q&A + Charrette
              Next Steps
              How can we follow up?

Perkins Eastman Architects, PC
## About Perkins Eastman

- Founded in 1981
- 13 Offices Worldwide
- Over 700 staff
- Ranked as the Largest New York-Based Architectural Firm*
- Experience throughout North America and around the world
- Services: Architecture, Interior Design, Planning,
  - Landscape Architecture, and Urban Design
- Specialized Practice Groups for Educational Facility Planning and Design
- Committed to Design Excellence

* As ranked by Crain’s New York Business 2006

### Dwight Heald Perkins, FAIA
Perkins, Fellows & Hamilton
1894 - 1934

### Lawrence Bradford Perkins, FAIA
Perkins & Will
1935 - 1975

### Lawrence Bradford Perkins Jr, FAIA
Perkins Eastman Architects
1981 - Present

Nanjing University • Nanjing, China Perkins, Fellows & Hamilton 1919
About Perkins Eastman

Our firm has been recognized by:

- Crain’s New York Business
- Interior Design Magazine
- BD World Architecture
- Contract Magazine
- American Institute of Architects
- Engineering News-Record
- Building Design and Construction
### About Perkins Eastman

Perkins Eastman is active throughout Asia. The firm is currently working on more than 30 projects in each of its seven major areas of expertise.

Perkins Eastman is a knowledge-based firm offering unique solutions, innovative environments, and excellence in architecture, programming, planning, interior design, landscape architecture, urban design, and program management.

The firm has seven specialized practice areas:

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#### ARCHITECTURE
- Programming
- Design
- Construction Documents
- Construction Administration
- Post-Occupancy Evaluation

#### INTERIOR DESIGN
- Lease Analysis
- Site Selection and Evaluation
- Programming
- Space Planning
- Tenant Improvements and Design
- Furniture Design, Selection, and Specification
- Color and Material Selection and Specification
- Construction Administration

#### GRAPHIC DESIGN
- Branding
- Marketing Communications
- Environmental Graphics
- Online Media
- Identification Planning

#### STRATEGIC PLANNING
- Mission and Goal Setting
- Real Estate Analysis
- Financial Feasibility Analysis
- Market and Financial Needs Assessment
- Benchmarking

#### PROGRAM MANAGEMENT
- Team Building
- Project Budgeting and Scheduling
- Land Use Approval Management
- Project Management

#### LANDSCAPE ARCHITECTURE
- Site planning
- Streetscape design
- Recreation planning
- Ecological design

#### URBAN DESIGN & PLANNING
- Master Planning
- Site Planning
- Site Selection and Evaluation
- Environmental Analysis
- Regulatory Approvals
- Public Policy Planning
- Community Planning
- Transportation Planning
- Parking Planning
- Zoning Analysis
About Perkins Eastman

➢ Over 3 million sq. meters of completed projects in China
➢ Over 2 million sq. meters of projects in construction or planning stage

Perkins Eastman is committed to a large, growing practice in China. China is Perkins Eastman’s second-largest market, and continues to increase in importance.

Perkins Eastman opened a Shanghai office over 5 years ago to cement our commitment to the region. Working with our headquarters in New York, we are able to devote up to 24 hours a day to international projects.

Beijing
Anhui Hospital
Beijing Books Building
Beijing Zhongguancun Science City
Chinese Academy of Sciences
Cyber Garden
The Pearl Tower at Beijing Radio
Peking Union Hospital
Shun Yi New City Master Plan
Third Ring Road Office Complex
Tuan Jie Lake
Wanliu Shopping Center
Chongqing
Chongqing Library
Chongqing Luneng Park
Chongqing Science and Technology Center
Haiou City
Haiou Meilan Resort Community
Hangzhou
Hangzhou Mixed-Use Development
Qianjiang New Century City
Nanjing
Hopkins-Nanjing Center for Chinese and American Studies
Nanjing Xinyiju Liusunjishuqiao
Jinan
Jinan South City
Kunming
Kunming ChengGong New City
Sanya
Sanya Haipo District Master Plan
Shanghai
Concordia International School
Pudong Hotel
Shanghai Cancer Center
Shanghai International Medical Zone
Shanghai World Expo 2010
Tienn Yihai Health Industry Park
Xiamen
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Wenling
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Perkins Eastman Team Leadership

Ron and Ray have worked together since 1996 and have over 350,000 sm of completed International School Projects*

- Wellington International School – Abu Dhabi, UAE 33,000 sm
- World Academy International School, KAEC, KSA 35,000 sm
- Concordia International School Shanghai, China 30,000 sm Master Plan
  - 1500 student ES 6,000 sm
  - Performing Arts Pavilion 2,250 sm
  - High School 12,500 sm
- Hui Jia International School, Beijing, China 114,000 sm
- Seaport International School, Boston, MA 24,600 sm
- Nations Academy Global Design Manual, Worldwide
- Nations Academy New York, NY 21,800 sm
- Nations Academy Washington DC 25,000 sm
- United Nations International School (UNIS), NY 18,580 sm Master Plan
- New Songdo City International School, South Korea 43,000 sm

*Total team and firm international School planning experience is over 700,000 sm
Authorship and Industry Contribution


B Interior Graphic Standards, Wiley 2003, written by Bradford Perkins, FAIA, Perkins Eastman with contributing graphics by Raymond Bordwell, AIA, LEED

C Planning and Urban Design Standards, Wiley 2006, Primary and Secondary Urban Planning chapter written by Raymond Bordwell, AIA, LEED


E School Builders, Wiley 2003, introductory essay written by the publisher Eleanor Curtis in an interview with Raymond Bordwell, AIA, LEED

F Time-Saver Standards for Building Types, McGraw-Hill 2001, Primary and Secondary Education Chapters, overall facilitation of update and additional new chapters written by Raymond Bordwell, AIA, LEED and Ron Vitale, AIA, LEED

G Planning and Designing School, McGraw-Hill 1997, two chapters written by Raymond Bordwell, AIA, LEED (“Color and Light in the Learning Environment” and “How to Prevent Obsolete Schools”)

About Perkins Eastman

Our team approach is based on understanding; preserving your interests to insure that the vision and goals for your School are embodied in the delivered service, documentation and ultimately in the built form. The team presented here was selected based specifically on the needs of the project; our core team will be available, through the course of the project as needed, establishing continuity of work and a collaborative spirit. Each team member selected for this project brings a unique expertise specific to building successful curriculum-driven International Schools in your region and around the globe.

Ron Vitale, AIA, LEED AP
Project Role: Principal-in-Charge of Design

Ray Bordwell, AIA, LEED AP
Project Role: Principal-in-Charge of Education Programming and Planning

Mark McCarthy, AIA
Project Role: Senior Designer

Yan Ding, AIA, LEED AP
Project Role: Project Architect

Liz Lee, LEED AP
Project Role: Educational Programmer and Planner

Perkins Eastman
Ray Bordwell and Ron Vitale Experience

Work in 22 US States

21 Topics for the Next Ten Years
Concepts for this session

1. Presentation of influencing factors
   a. Some are comments, others are questions, still others are open ended…
   b. Many of not all, are happening now
   c. All are for Discussion and adds value

2. This session is two-way (and will drive the design later)

3. Think about to what extent these ideas are applicable for HK

4. How do these ideas affect “bricks and mortar”

5. Feel free to add ideas, ask questions or dispute the point!

6. Not every idea is for you!
### 21 Things Influencing International School Planning

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| **1.** The 21st century does not fit neatly into rows. Neither should your students.  
  Team work, Project Based curriculum, collaboration, all represent authentic 21st century learning. |   |
| **2.** **Sustainable Societies**  
  Sustainability in facility design will follow the path of technology in education – move from an ‘add on’ to ‘game changer’ |   |
| **3.** **How do we define a Computer?**  
  More precisely : 'Our concept of what a computer is'. Because computing is mobile - we're seeing the full fury of individualized computing via handhelds in the classroom (see Reader section later) - A potential to radically change curriculum delivery and facility planning! |   |
| **4.** **Homework**  
  The 21st century is a 24/7 environment - this decade is going to see traditional boundaries between home and school disappear. |   |
| **5.** **School “Hours”**  
  What will the school day, week and year look like? The agrarian model is dead…. |   |
| **6.** **Differentiated Instruction**  
  The 21st century is customizable. All programs will use tech to personalize learning. Differentiation will be a natural part of your work. |   |
7. **Fear of Wikipedia**
   It has been said “Wikipedia is the greatest democratizing force in the world right now”….. On Line vs. Hard Copy, how do differentiate?

8. **Paperbacks**
   In ten years' time, it's possible most (if not all of all) reading will be via digital means. (Kindle, Nook, I-Pad… What's next?)

9. **Attendance Offices**
   Bio scans. 'Nuff said……. The role of technology in Security

10. **Lockers.**
    A coat-check, maybe.

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11. **IT Departments**
    Cloud computing and a decade's worth of increased wifi and satellite access will force a change of some traditional roles of IT -- software, security, and connectivity – Teachers as “IT Experts”

12. **Centralized Institutions**
    School buildings are going to become 'home-bases' of learning, not the institutions where all learning happens. Buildings will get smaller and greener, student and teacher schedules will change to allow less people on campus at any one time, and more teachers and students will be going out into their communities to engage in experiential learning.

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*Perkins Eastman*
13. **Organization by Grade**

   Education over the next ten years will become more individualized, leaving the bulk of grade-based learning in the past. Students will form peer groups by interest and specialized learning. The structure of K-12 will be fundamentally altered to ability based, not age based.

14. **School Classes Integrate Social Technology**

   Happening now. … 21st century tools. Do you have a “internet policy” for your students?

15. **Professional Development**

   Teachers learning is 24/7, just like students. This is already happening.

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16. **Current Curricular Norms**

   The root of curricular change will be the shift - middle schools provide foundational content and high schools are places for specialized learning.

17. **Parent-Teacher Conference Night**

   Ongoing parent-teacher relations in virtual reality will make parent-teacher conference nights seem quaint. Parents and teachers will become closer than ever as a result of virtual communication opportunities, and parents will drive schools to become ever more tech integrated.
### 21 Things Influencing International School Planning

18. **Typical Cafeteria Food**
   Nutrition information + handhelds + cost comparison = Change. Another opportunity to learn…

19. **Outsourced Graphic Design and Webmastering**
   You need a website/brochure/promo/etc. Most students can do it!

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### 21 Things That Became Obsolete in the Last Decade

20. **High School Algebra I**
   Within the decade, it will either become the norm to teach this course in middle school or we'll have finally woken up to the fact that there's no reason to give algebra weight over statistics and IT in high school for non-math majors (and they will have all taken it in middle school anyway).

21. **Paper**
   In ten years' time, schools will decrease their paper consumption by no less than 90%. And the printing industry, copier industry and the paper industry will fundamentally change – Haven’t we heard this before?
There are new space opportunities in every school
Forward looking is unclear, hindsight is 20/20
Flexibility
Scope, Quality, Cost – More Important than Ever
Invest Time before Money