

Ralitsa E. Todorova, NCARB, Assoc. AIA, ALA

ARCHITECTURE | INTERIORS | PLANNING

Illinois Institute of Technology  
Professional Degree in Architecture, May 2010

## About Me

Born in Bulgaria [Europe] in 1984, I grew up with a grandfather and great-uncle that were great designers and builders erecting half of the city at the time. As a young girl, eager to learn and help, I would go to the construction sites and help them by carrying bricks and small buckets of mortar. I fell in love with the design and construction and from then on I knew I wanted to be an architect.

At the age of thirteen, my family and I moved to the United States of America which dramatically changed my future. The transition was not a fairy-tale. Being such a young girl attending *Glenbrook South High School* and taking many honors classes while still learning English was a challenging but enriching experience. It gave me a better chance to pursue my dream.

Stumbling upon a few difficult moments in my life, I finally ended up at the Illinois Institute of Technology in 2005 where I was taught by design professionals about the History of Architecture, Conceptual and Technological Innovations, Details, Investigation of Materiality, Site Analysis, Rendering and Research by taking it from the very basics to the most complex. I learned the essentials needed to become an Architect and that there is still a long way to go.

In my third year at the Illinois Institute of Technology, I decided to take a part-time job in the trade industry as an estimator and designer in order to begin taking the first steps towards my professional development.

In my fourth year, I took another challenge as a CAD Designer for *Fullerton Engineering Consultants* where I learned to develop project proposals and construction drawings in a team environment.

My education and professional experience has prepared me to accept a new challenge in a more architecturally relevant environment.

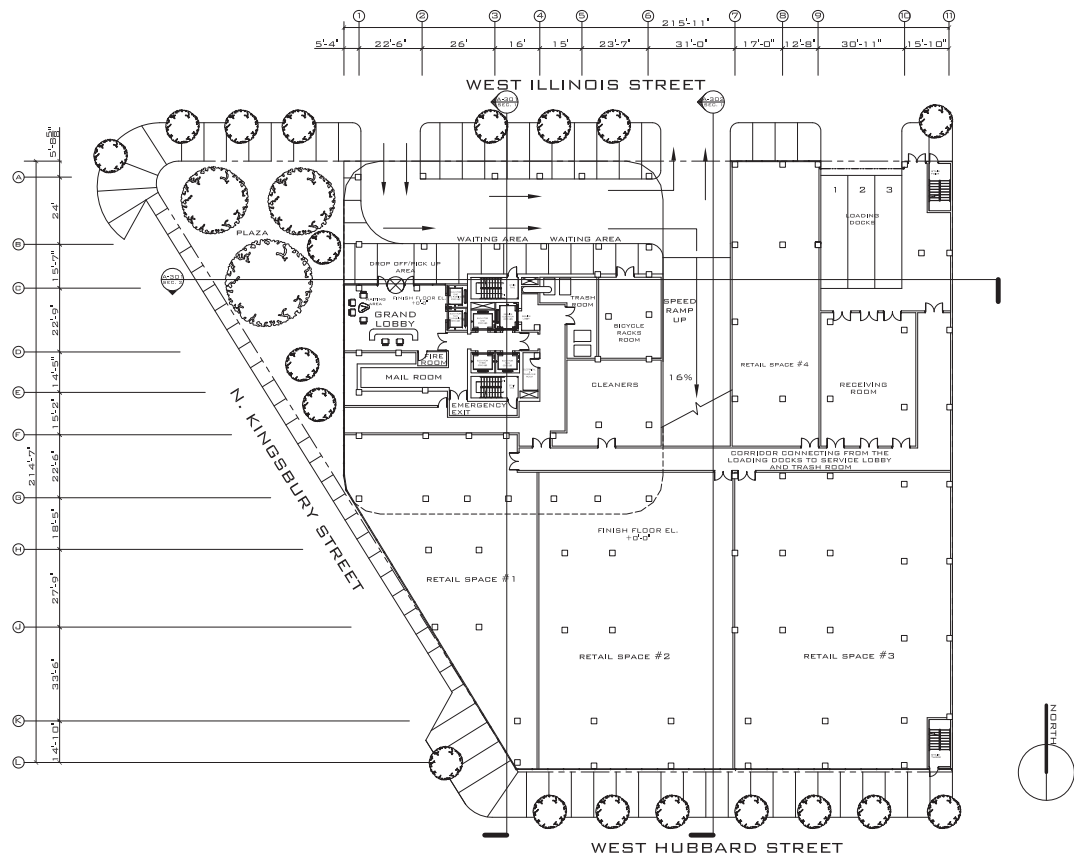
## 2 | High-Rise Concrete Condominium | Project Summary



The 47-story luxury skyscraper is to be located right on the intersection of West Illinois Street and West Kingsbury Street in Chicago. The luxury condominiums take complete advantage of the unforgettable views of the North Branch of Chicago River and Lake Michigan. The superb roof-top garden on the fifth floor provides a powerful connection of the inside to the outside. The entire architectural design was inspired and driven completely by nature - taking full consideration of the site, the views and the human needs.

The forth year studio focus was to design a strong, working and aesthetically beautiful concrete high-rise structure. The process included a comprehensive site study and extensive research, taking full consideration of the codes and zoning, as well as, developing full architectural drawings and renderings.

## 2 | High-Rise Concrete Condominium | Plan



ILLINOIS INSTITUTE  
OF  
TECHNOLOGY

3300 FEDERAL STREET  
CHICAGO, IL 60616  
P: 312.567.3000

PROFESSOR: KARIOS  
STUDIO VII  
HIGH-RISE CONCRETE CONDOMINIUMS

RALITSA TODOROVA  
E:RTODOROV@IIT.EDU

KINGSBURY/ILLINOIS  
CONDOMINIUMS

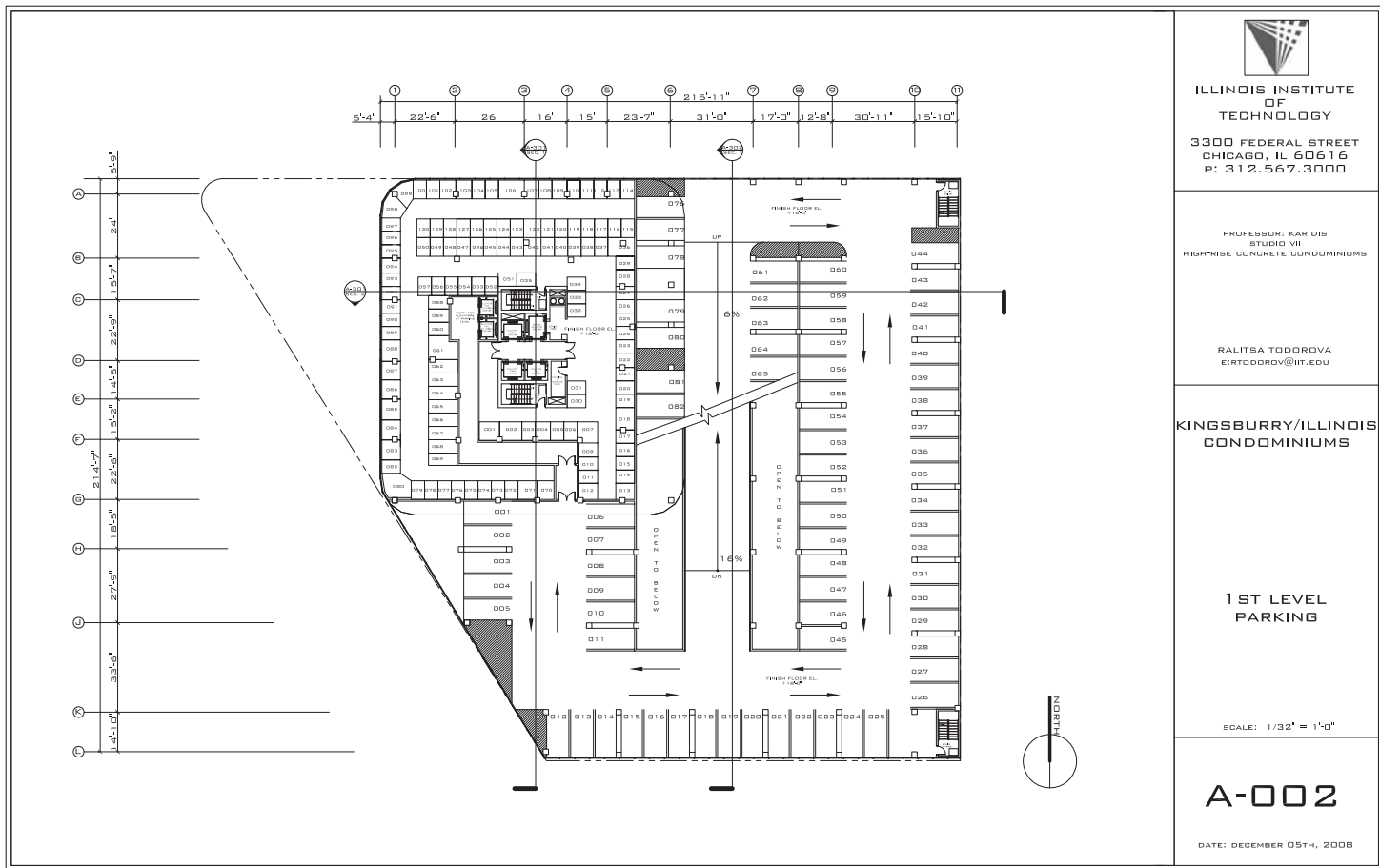
GROUND  
FLOOR PLAN

SCALE: 1/32" = 1'-0"

A-001

DATE: DECEMBER 05TH, 2008

## 2 | High-Rise Concrete Condominium | Plan



## 2 | High-Rise Concrete Condominium | Plan



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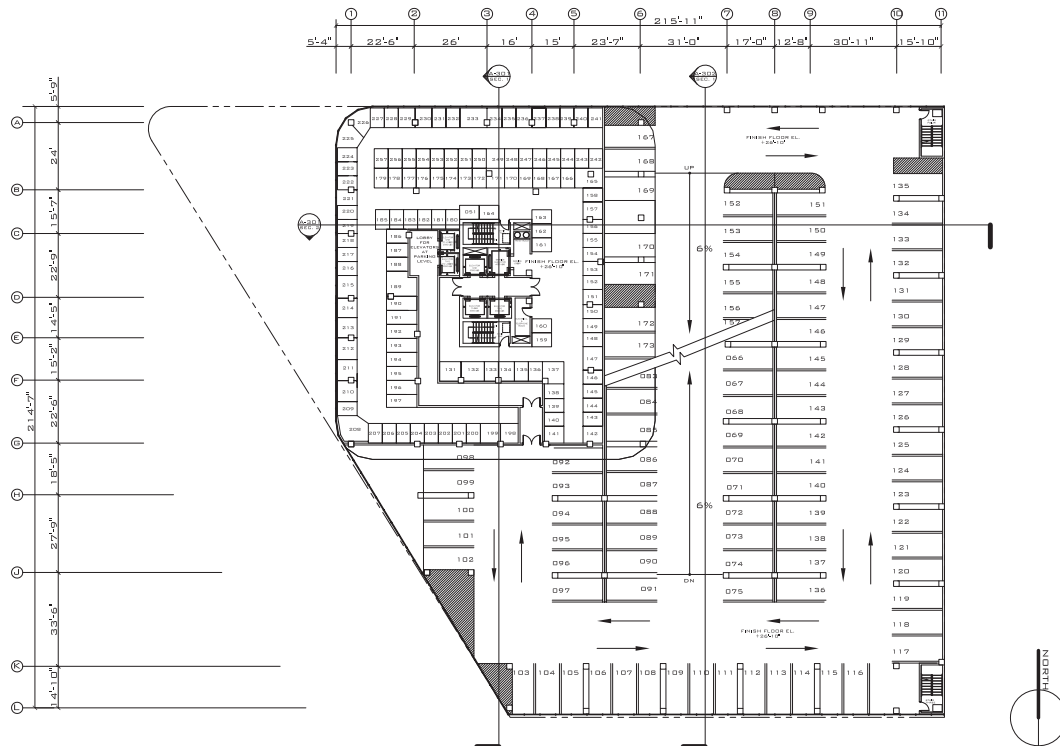
KINGSBURY/ILLINOIS  
CONDOMINIUMS

3RD LEVEL  
PARKING

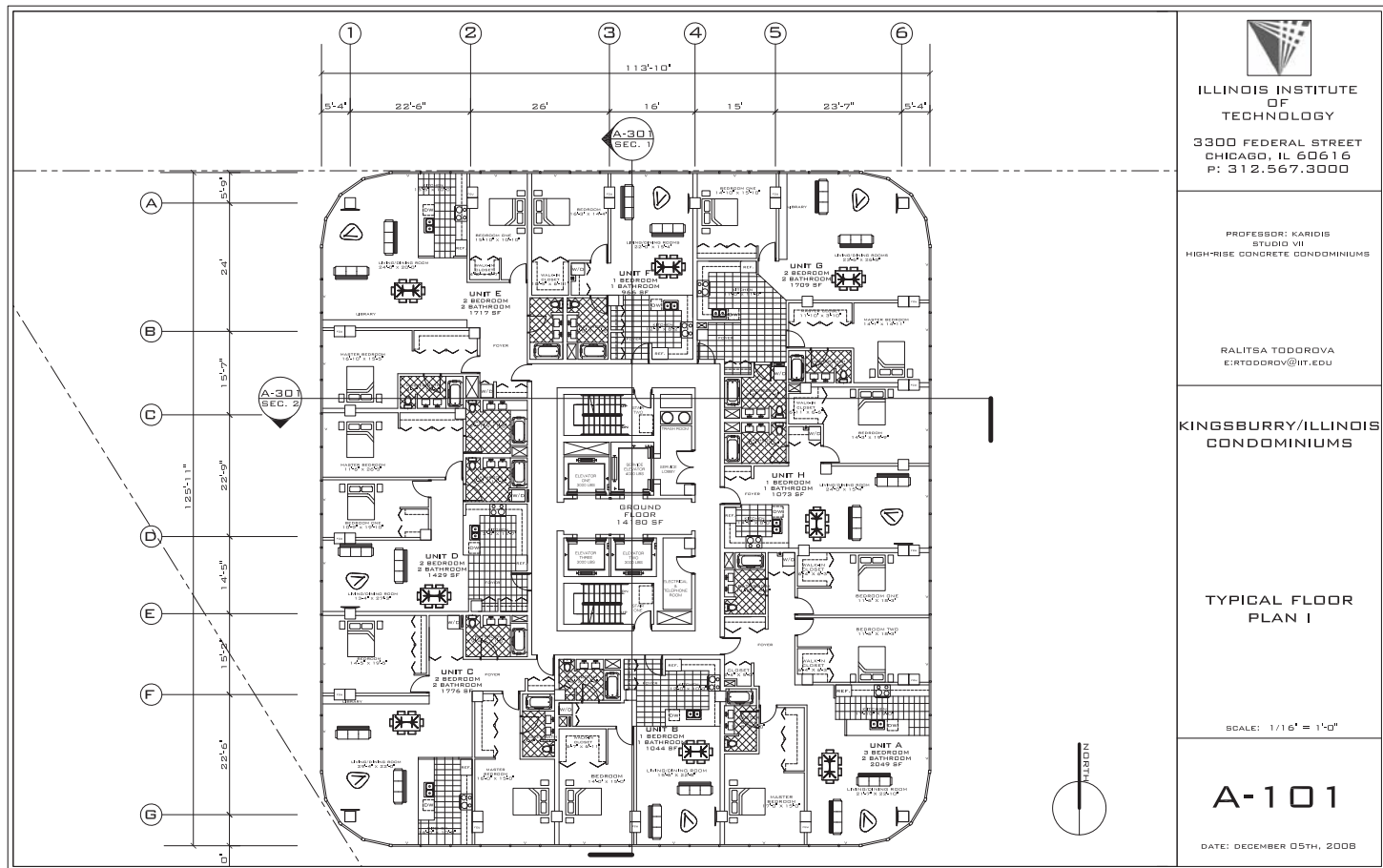
SCALE: 1/32" = 1'-0"

A-003

DATE: DECEMBER 05TH, 2008



## 2 | High-Rise Concrete Condominium | Plan



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RALITSA TODOROVA  
E:RTODOROV@IIT.EDU

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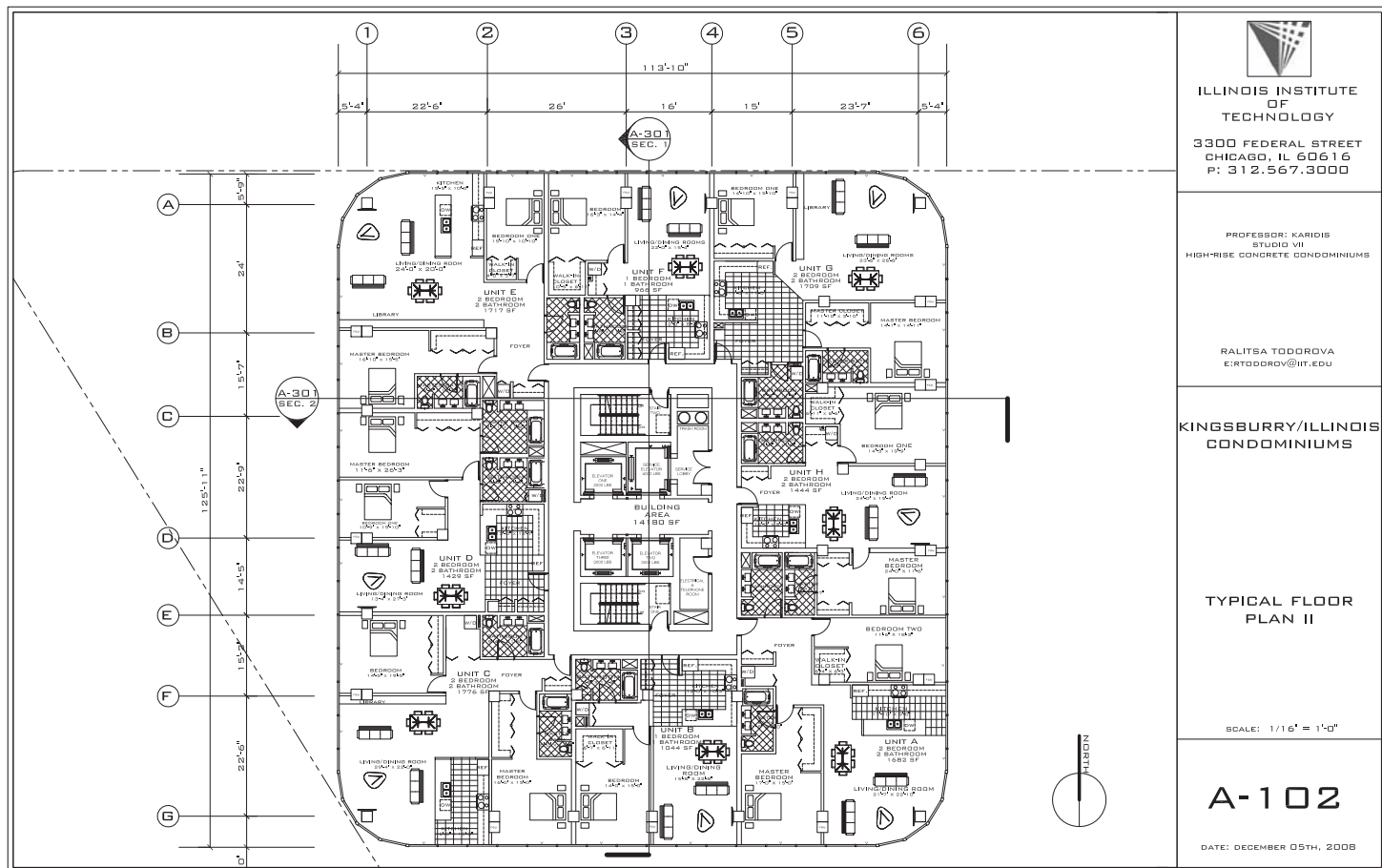
TYPICAL FLOOR  
PLAN I

SCALE: 1/16" = 1'-0"

A-101

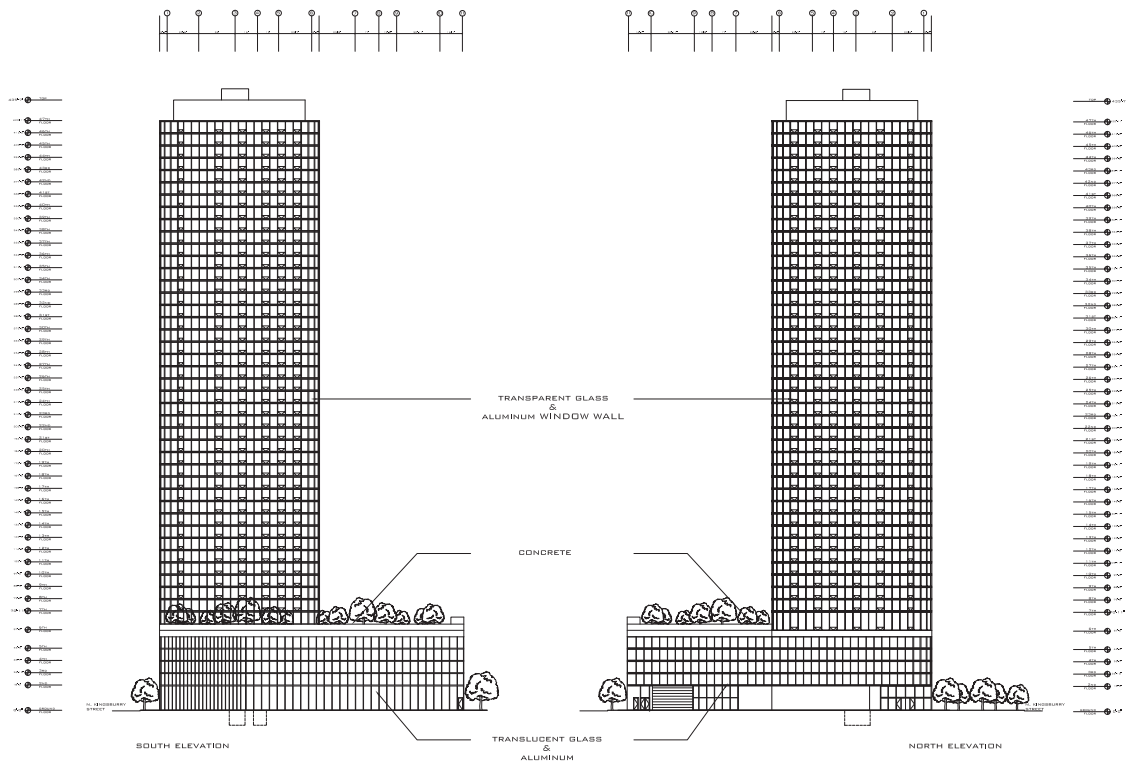
DATE: DECEMBER 05TH, 2008

## 2 | High-Rise Concrete Condominium | Plan





## 2 | High-Rise Concrete Condominium | Elevations



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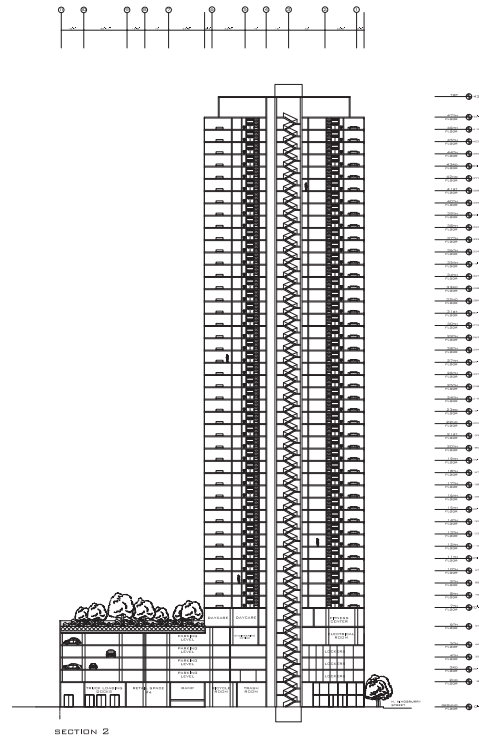
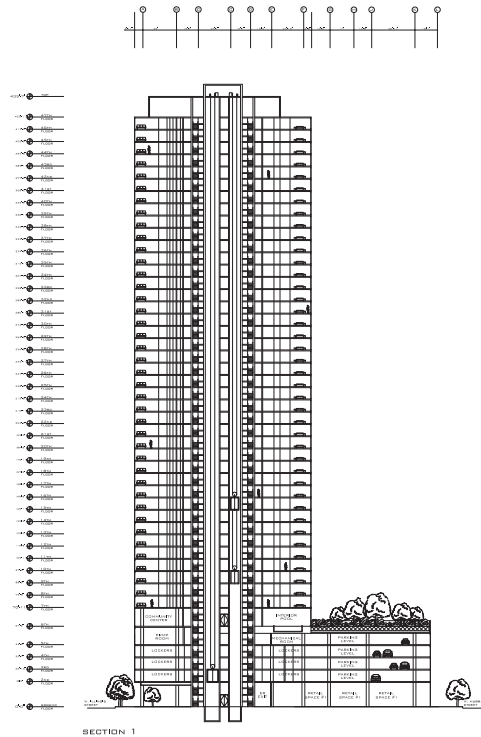
NORTH & SOUTH  
ELEVATIONS

SCALE: 1/64" = 1'-0"

A-201

DATE: DECEMBER 05TH, 2008

## 2 | High-Rise Concrete Condominium | Sections



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RALITSA TODOROVA  
E:RTODOROV@IIT.EDU

KINGSBURY/ILLINOIS  
CONDOMINIUMS

SECTIONS

SCALE: 1/64" = 1'-0"

A-301

DATE: DECEMBER 05TH, 2008

## 2 | High-Rise Concrete Condominium | Interior Renderings

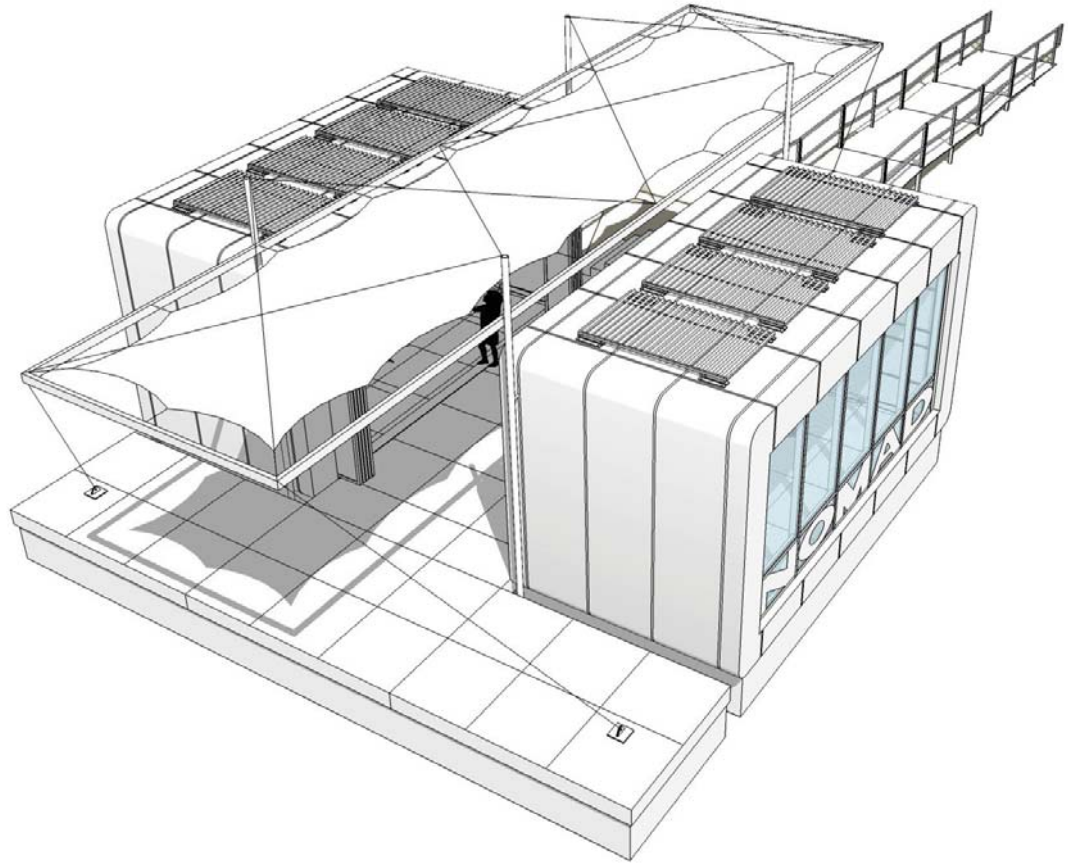


## 2 | High-Rise Concrete Condominium | Interior Renderings



### 3 | Project NOMAD I | Project Summary

Project NOMAD is a project, where our studio worked closely with a real-world client [Alan Bell]. He demanded from us to design a mobile learning center. Some of the requirements were: easy mobility/transportability; flexible function; to be a teaching tool for the lower to mid-class families on how to live a greener and more sustainable life; demonstrate sustainable resources; connection between inside and outside [be in touch with nature directly]; easy maintenance; powered by non-fossil fuel energy; made exclusively with rapidly renewable and recycled building materials; must be universally accessible; leave little to no impact on the ground where it is to be located. Through various of researches, the final design was presented on Earth day at the Spertus Institute, which was two units delivered by a truck onto the site and a platform and a canopy between the two units was to be assembled on site. The units contained storage and all the necessary equipment powered exclusively by solar panels.

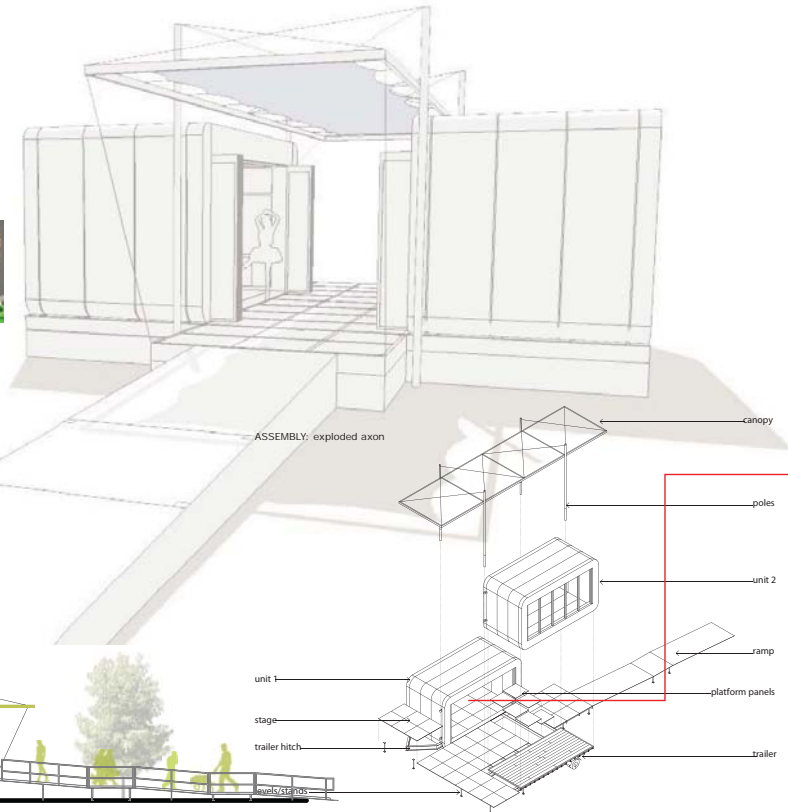
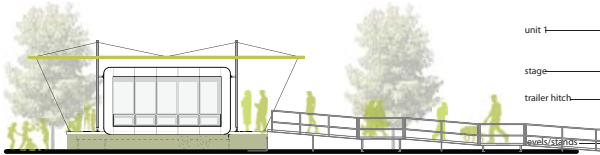
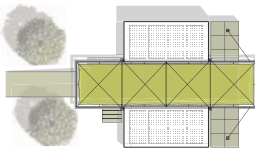
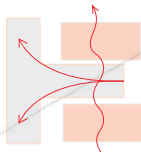


# 3 | Project NOMAD I | Presentation Boards

## PROJECT NOMAD

The project was conceived and is sponsored by the **Element Group**, an organization dedicated exclusively to the enhancement of urban life through the development of modern, nature-inspired homes, life style solutions, and innovative community projects.

**air. water. earth. sun** These elements constitute the Elements Group's primary connection to the natural environment and full experience of natural living.



..The Elements Group.....JIT College of Architecture.....Krueck and Sexton.....Chicago Park District.....City of Chicago..

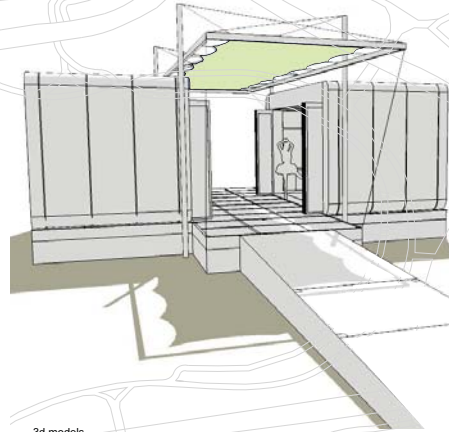
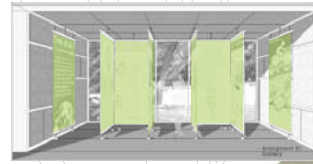
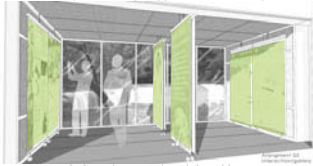




# 3 | Project NOMAD I | Presentation Boards



PROJECT NOMAD



3d models



The Elements Group

IIT College of Architecture

Krueck and Sexton

Chicago Park District

City of Chicago



# 3 | Project NOMAD I | Presentation Boards



PROJECT NOMAD

Must provide easy mobility, function autonomously, and be flexible in function.

Should serve a didactic function by design, clearly demonstrating sustainable and resource efficient design strategies.

Must provide space for the display of exhibits and other resource materials.

Must provide integral exterior spaces, emphasizing a connection to the natural world.

Should be designed to be easily managed and maintained.

Must be powered exclusively by non-fossil fuel based energy.

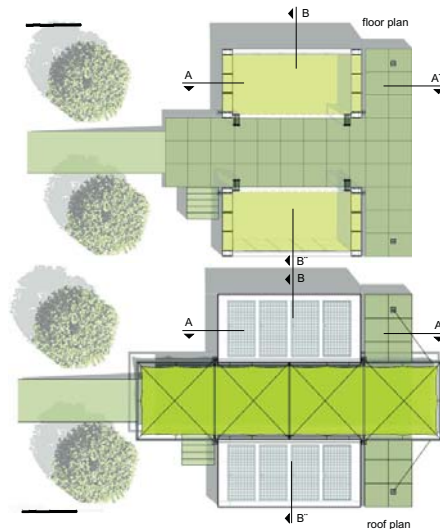
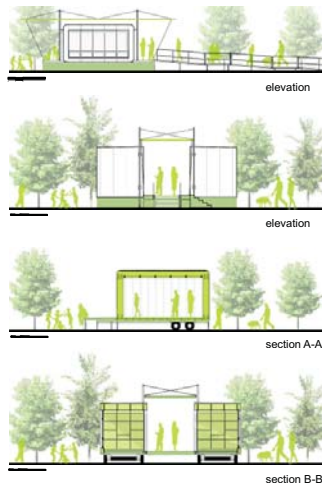
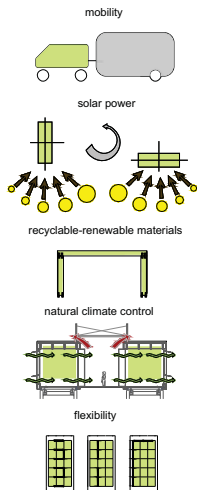
Should be designed to be easily managed and maintained.

Must be powered exclusively by non-fossil fuel based energy.

Should make extensive use of rapidly renewable and recycled building materials.

Should be universally accessible, providing for efficient use by the widest range of people by adhering to the basic principles of universal design.

Must neither penetrate nor leave any adverse impact on the land area of display.



The Elements Group

IIT College of Architecture

Krueck and Sexton

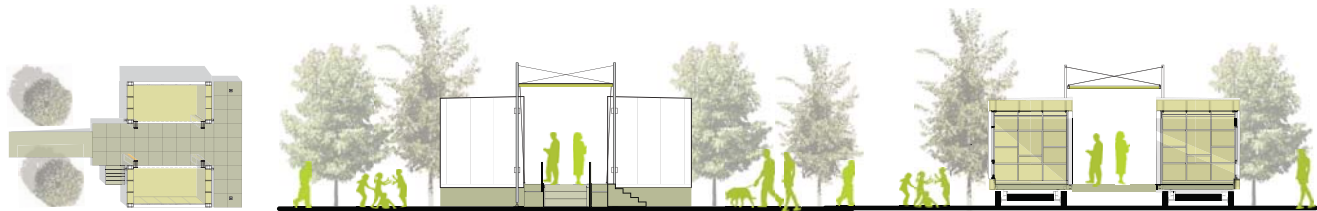
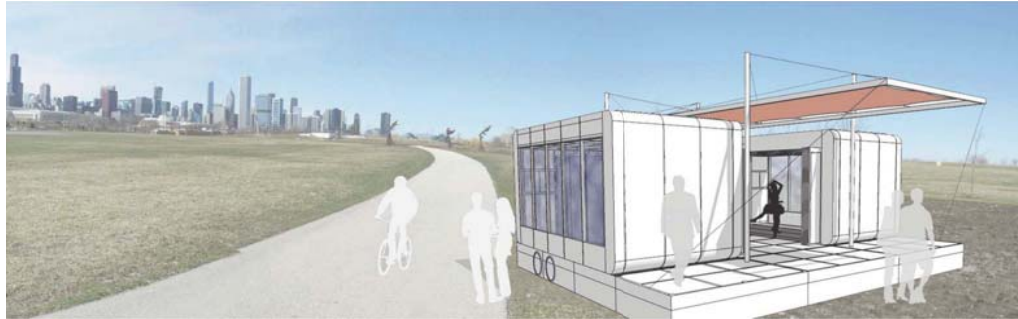
Chicago Park District

City of Chicago



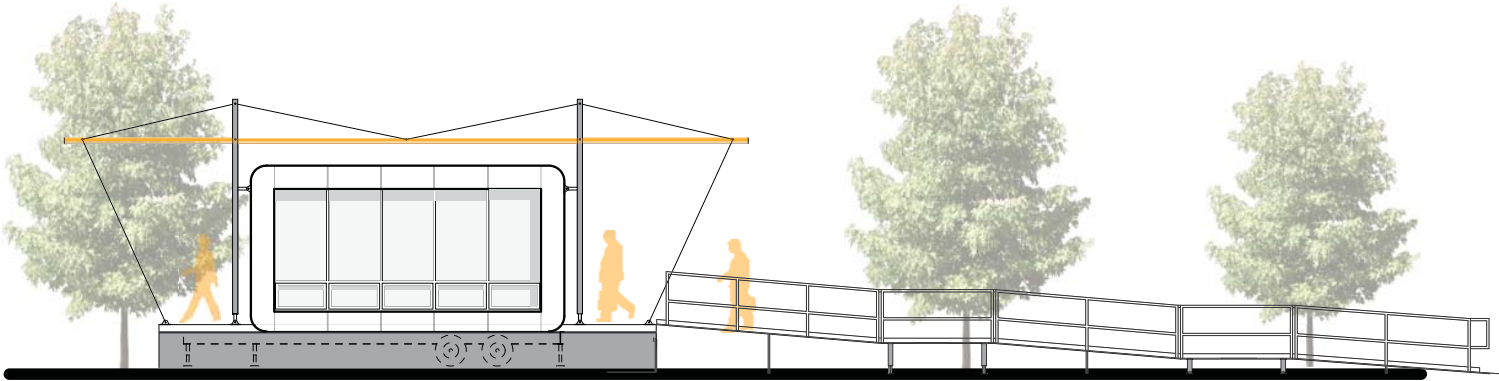


### 3 | Project NOMAD I | Presentation Boards



..The Elements Group.....JIT College of Architecture.....Krueck and Sexton.....Chicago Park District.....City of Chicago..

### 3 | Project NOMAD I | Rendered Long Elevation



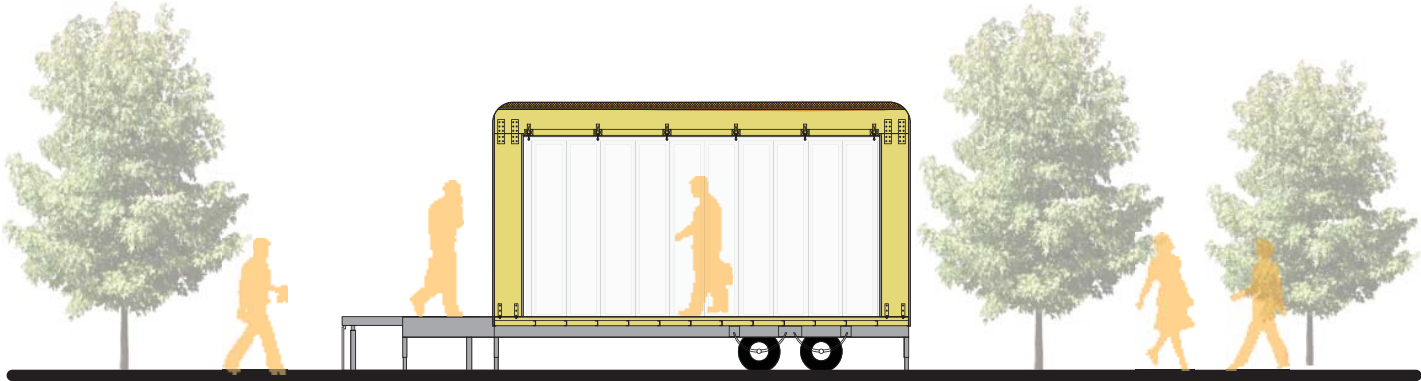
ELEVATION  
SCALE: 3/8" = 1'-0"

### 3 | Project NOMAD I | Rendered Short Elevation



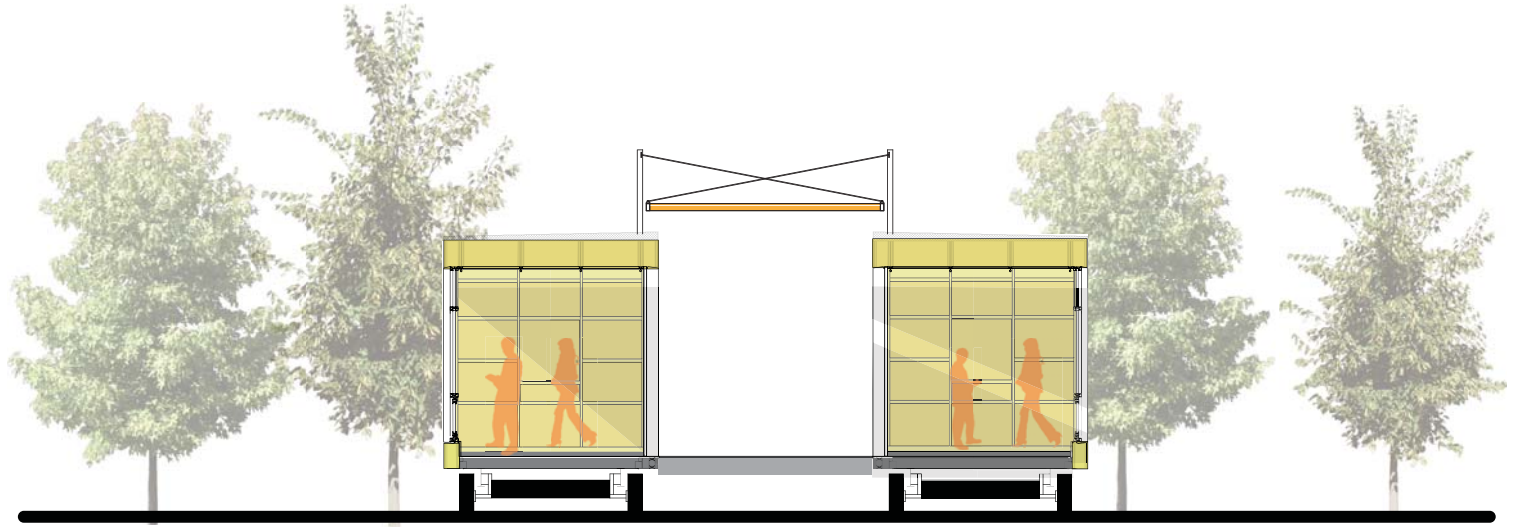
ELEVATION  
SCALE: 1/8" = 1'-0"

3 | Project NOMAD I | Rendered Long Section



SECTION  
SCALE: 1/4" = 1'-0"

### 3 | Project NOMAD I | Rendered Short Section



SECTION  
SCALE: 1/8" = 1'-0"

## 4 | Extra Rendings | Column





## 4 | Extra Rendings | Room

