

ARCHITECT RICHARD MEIER DESIGNED FIVE HOUSES IN SHENZHEN , CHINA AND COMPLETED IN 2008. EACH HOUSE IS DESIGNED AS AN UNCOMMON LUXURY HILLSIDE RESIDENCE WITH THE APPROACH OF A SIMPLE COMMON DESIGN. THE HOUSES VARIED IN SIZE FROM 600 TO 1000 SQUARE METERS, AND THE HEIGHT WAS DETERMINED BY THE SITING OF EACH HOUSE. THE SITE IS CHARACTERIZED WITH STEEP ROLLING MOUNTAINS AND VALLEYS. THE HOUSE IS FACE TO AN EAST-WEST AXIS AND EXOPUSRE TO MAXIMIZE VIEWS TO THE SOUTH. THE GARAGE AND DRIVEWAY IS LOCATED TO THE NORTH THROUGH A LARGE FOYER AND OPAQUE NORTHERN FACADE AND TO A GLAZED SOUTHERN FACADE, WHERE THE TERRACE AND POOL IS PLACE TO OFFER MAXIMUM EXPOSURE TO NATURAL LIGHT.

THE HOUSE THE HOUSE OFFERS A LARGE DOUBLE-HEIGHTED LIVING ROOM LOCATED ON THE SOUTH AND EAST TO OFFER THE BEST VIEWS AND FUNCTIONS AS THE CENTERPIECE. TO COMPLETE THE PUBLIC-CORE, THE KITCHEN AND DINING SPACES ARE ADJACENT TO THE LIVING ROOM. THE BEDROOM IS EITHER LOCATED ON ONE OR TWO FLOORS ABOVE THE PUBLIC SPACE FOR MAXIMUM PRIVACY AND THE MASTER BEDROOM WITH THE BEST VIEWS AND PRIVACY. TYPICALLY ADJACENT TO THE BEDROOM, THE FAMILY ROOM PROVIDES INTIMATE LIVING SPACE. THE EXTERIOR SPACES ARE INTEGRATED WITH THE BUILDING STRUCTURE AS BALCONIES AND TERRACE ALONG THE SOUTHERN FACADES. OVERHANGS AND CANOPIES ARE PROTECTING THE OUTDOOR SPACES FROM SUN AND RAIN ALLOWING YEAR-ROUND USE.

GLENDALE COMMUNITY COLLEGE

ARCH 120

STUDENT NAME

FALL 2011

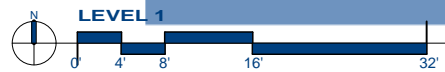
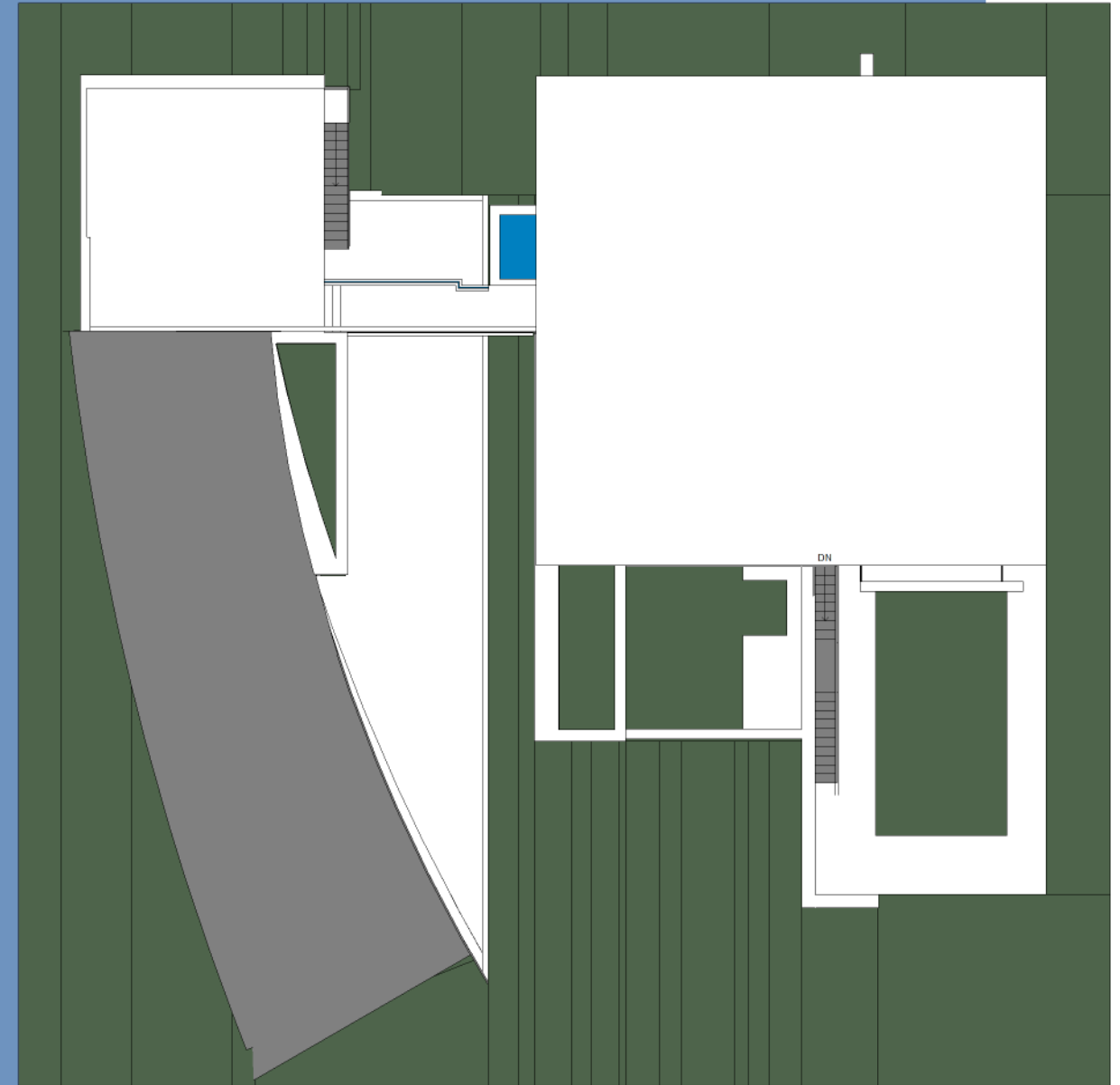
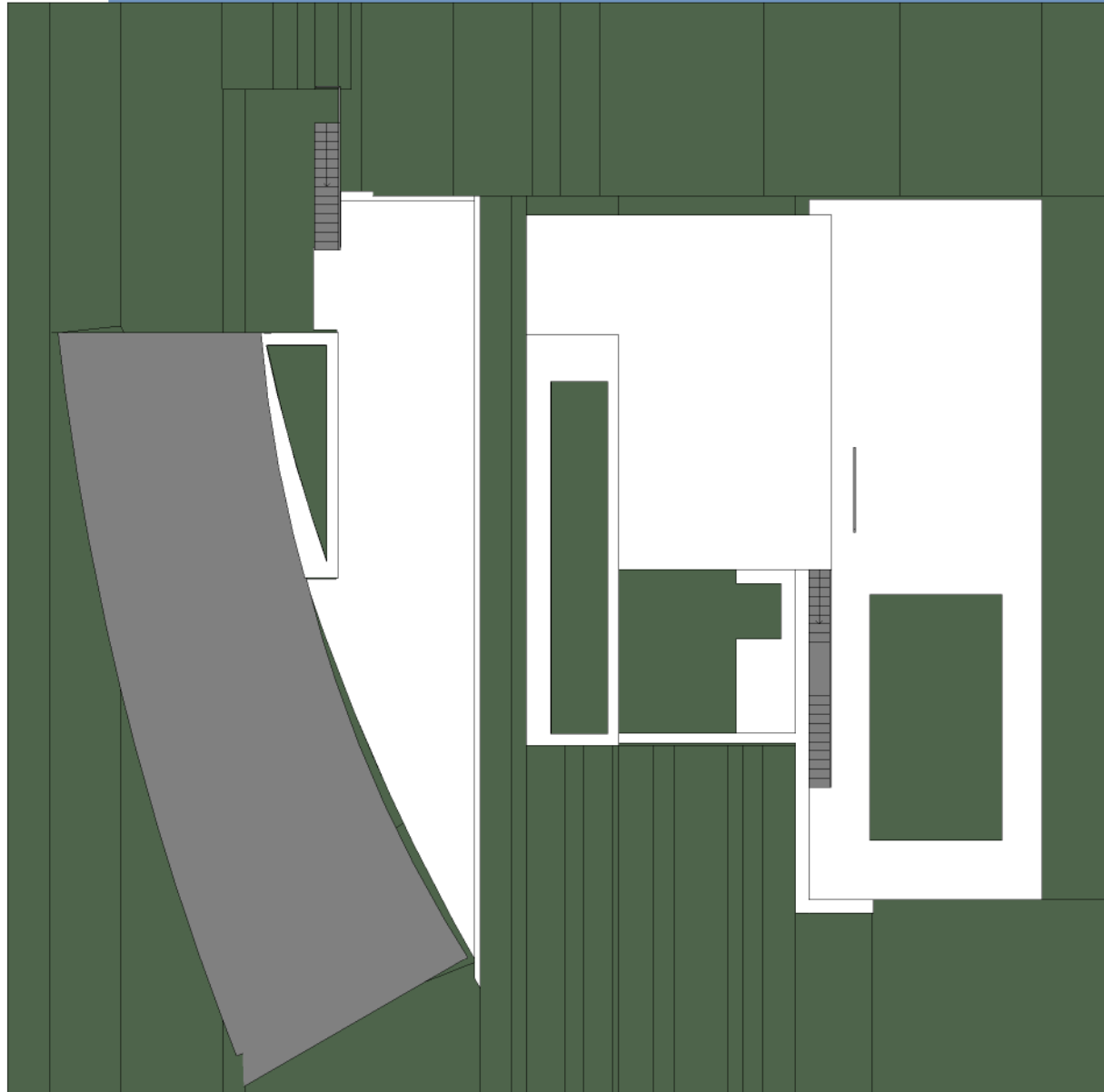
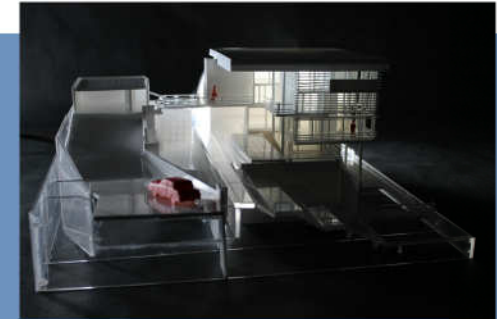
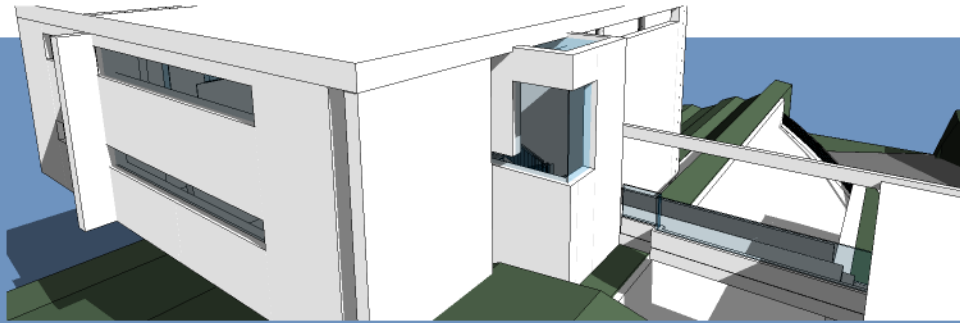
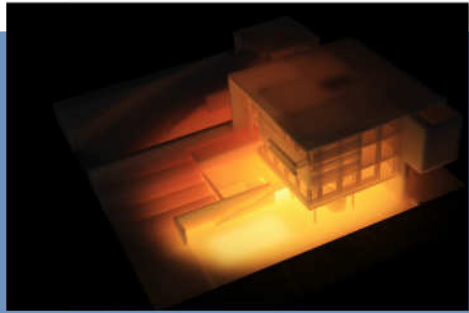
ERIK LIEU

CASE STUDY HOUSE

SHENZHEN VILLA #5, CHINA

ARCHITECT

RICHARD MEIER 1

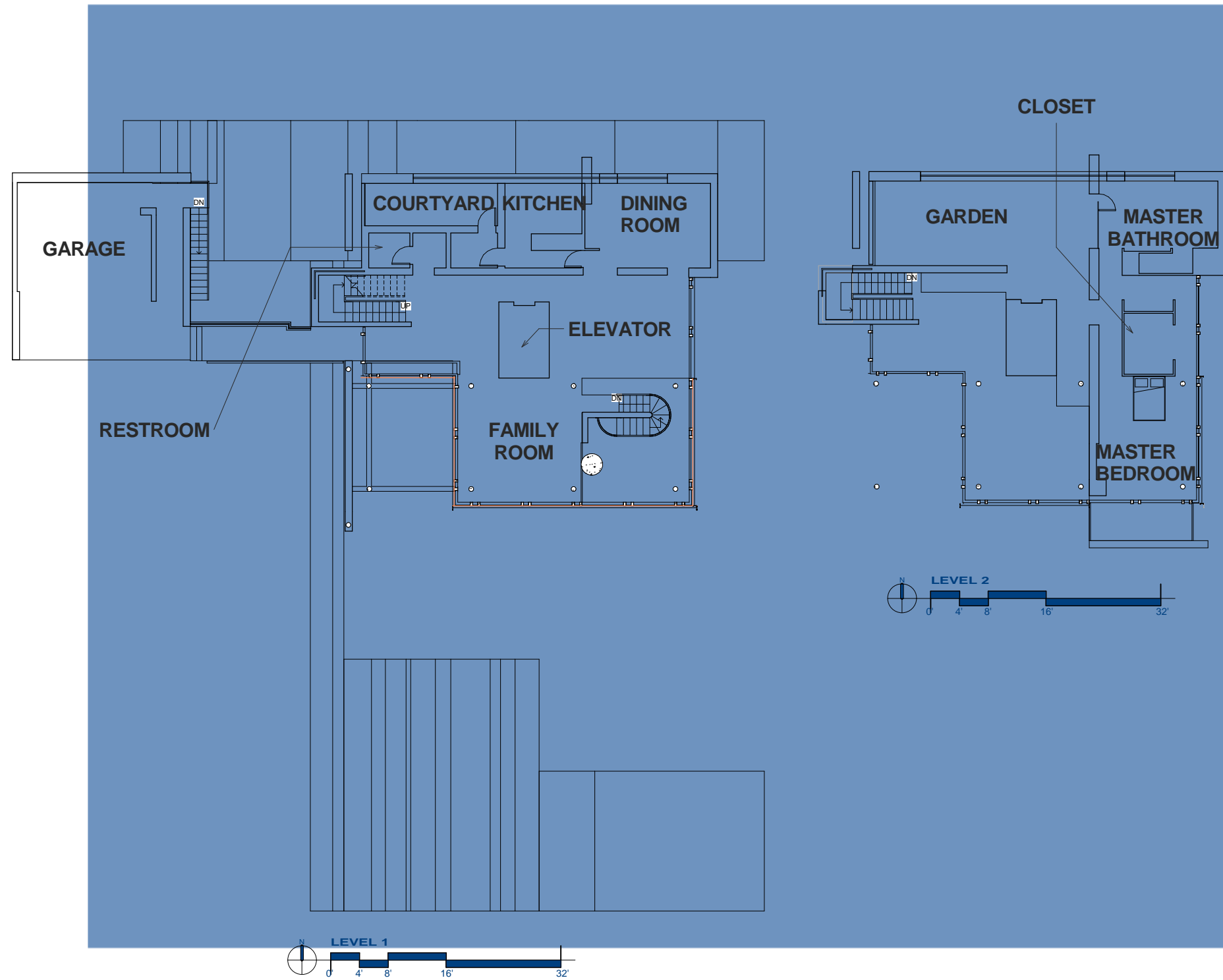


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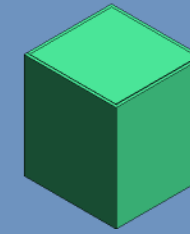
FALL 2011
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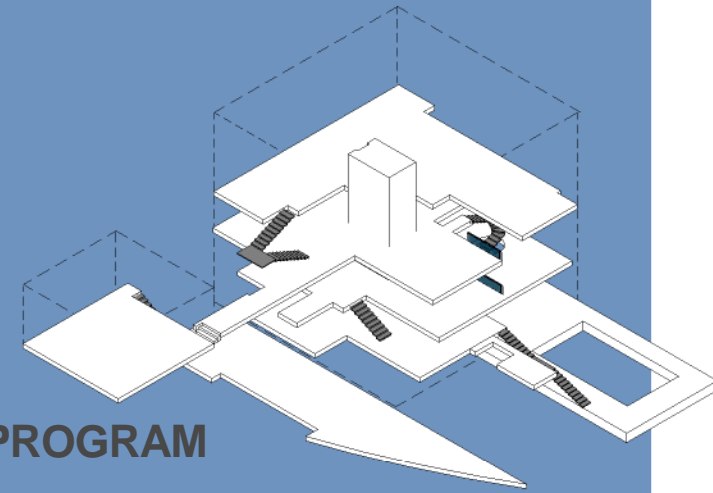
ARCHITECT
 RICHARD MEIER



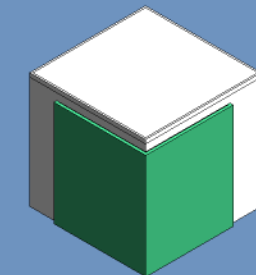
PARTI DIAGRAM



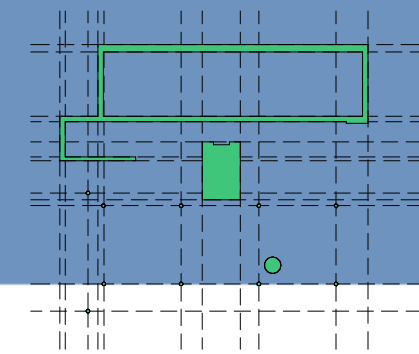
CIRCULATION

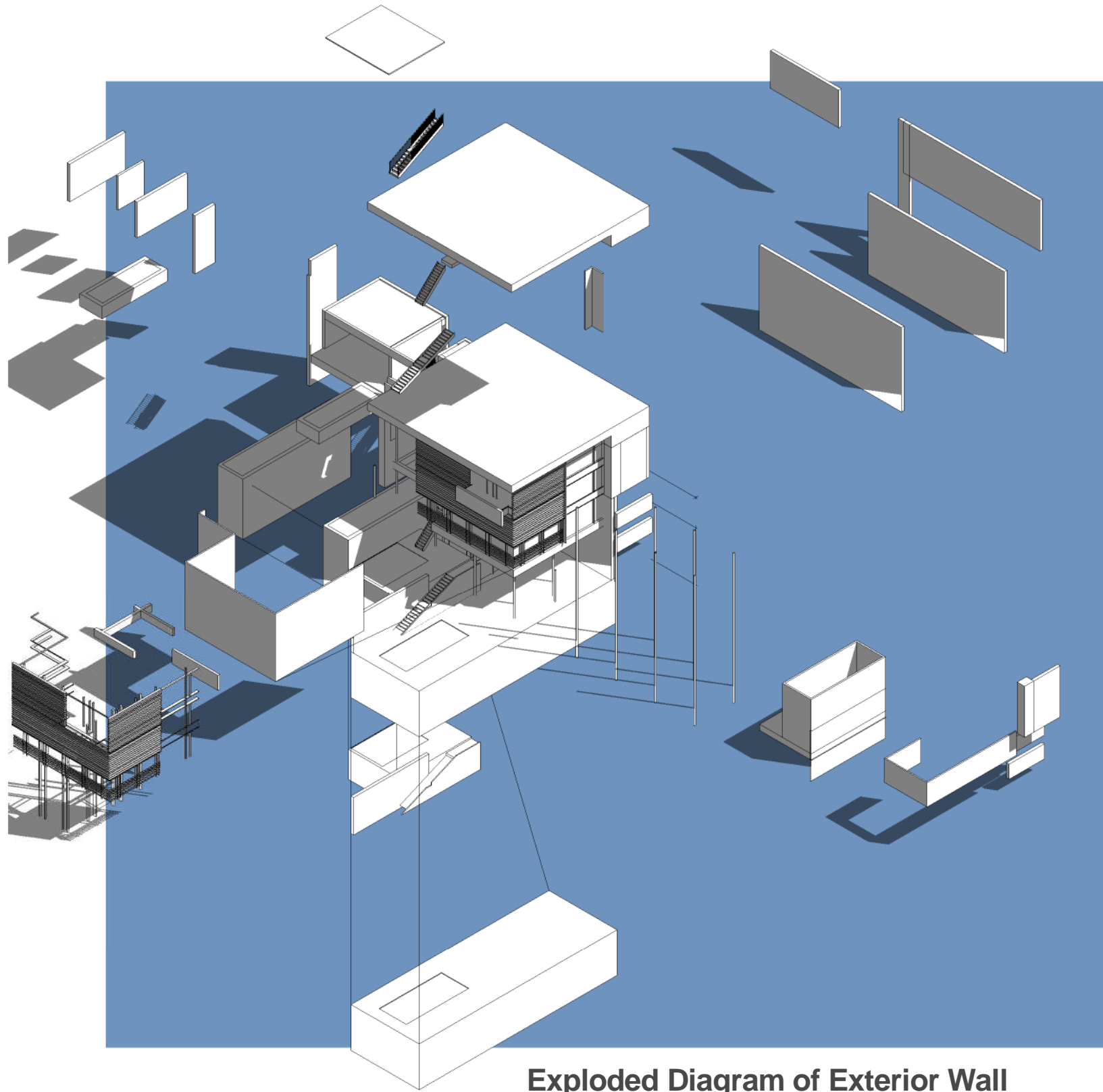


PROGRAM



STRUCTURE

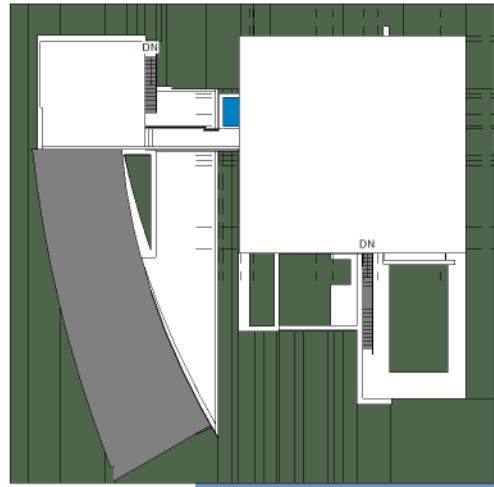




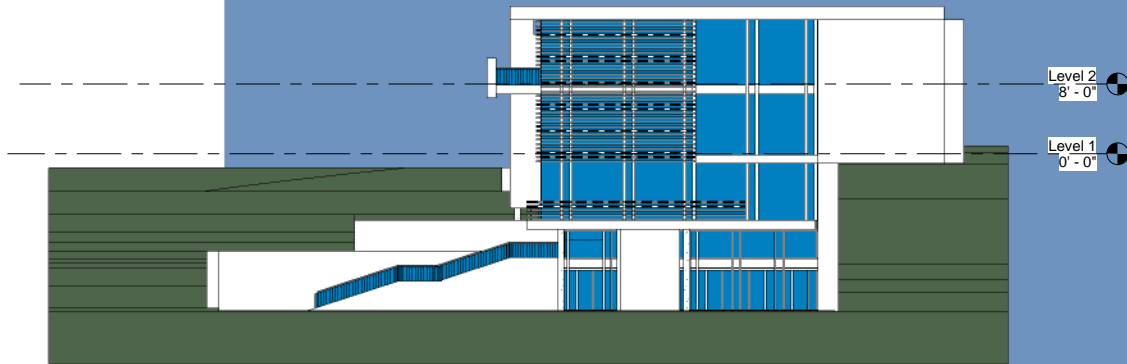
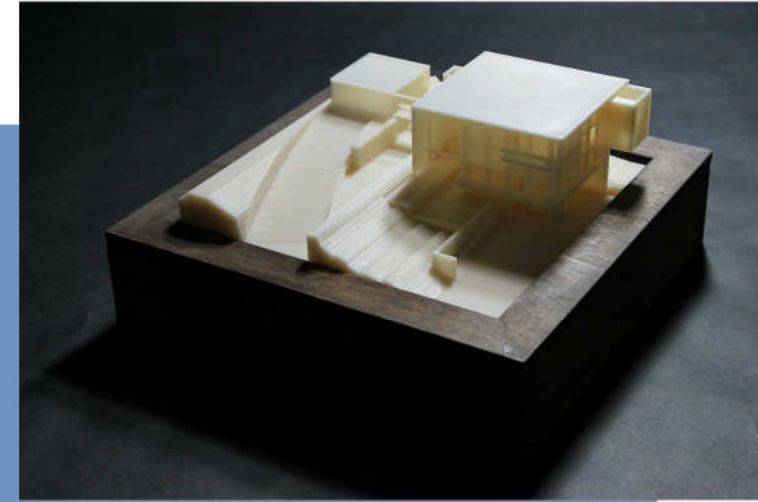
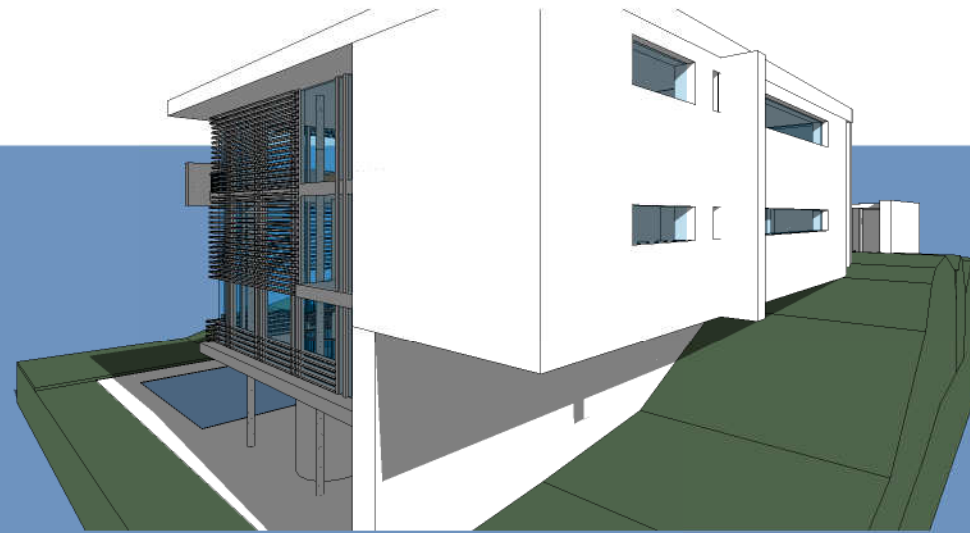
Exploded Diagram of Exterior Wall



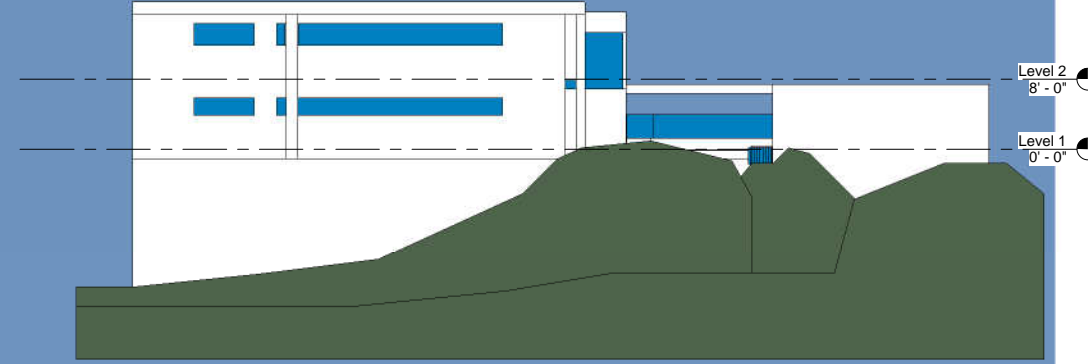
Exploded Diagram of Interior Wall



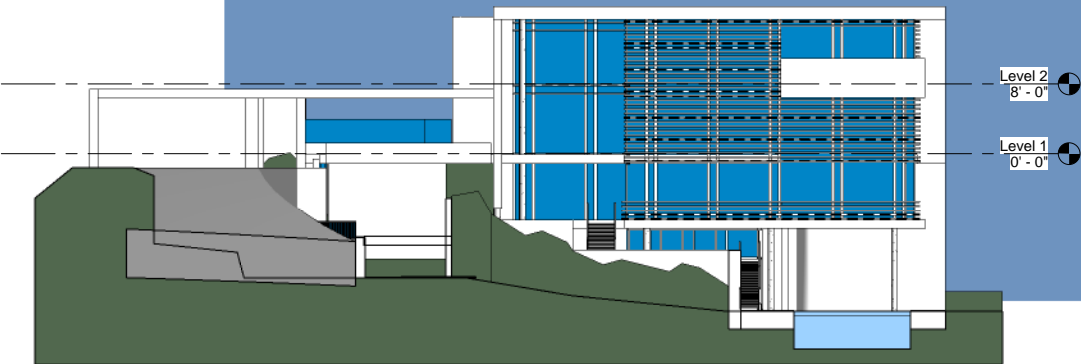
KEY PLAN



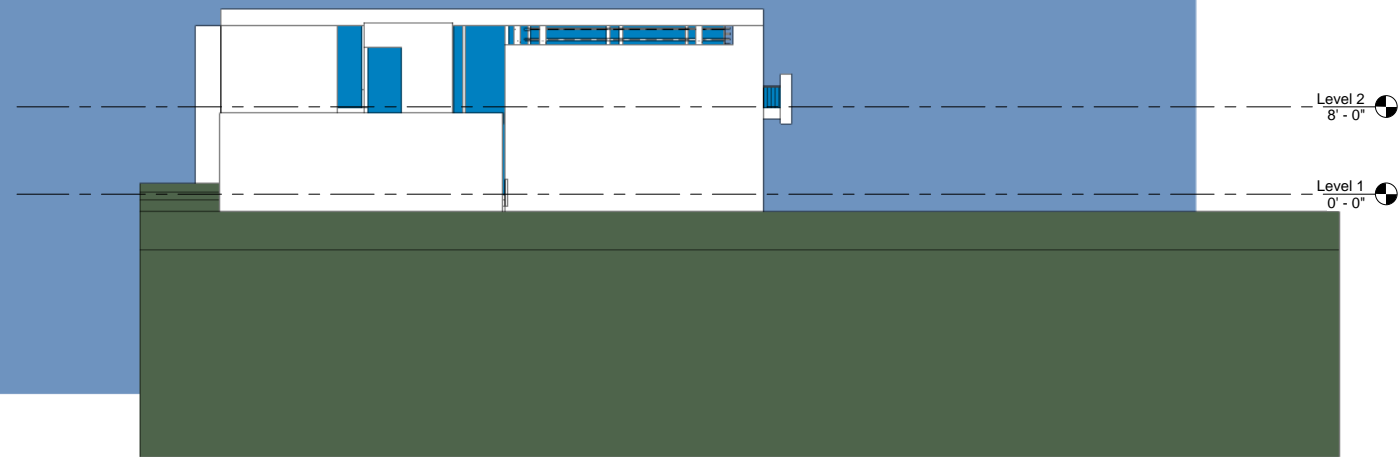
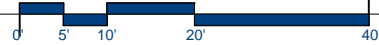
EAST ELEVATION



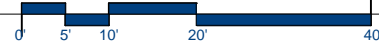
NORTH ELEVATION

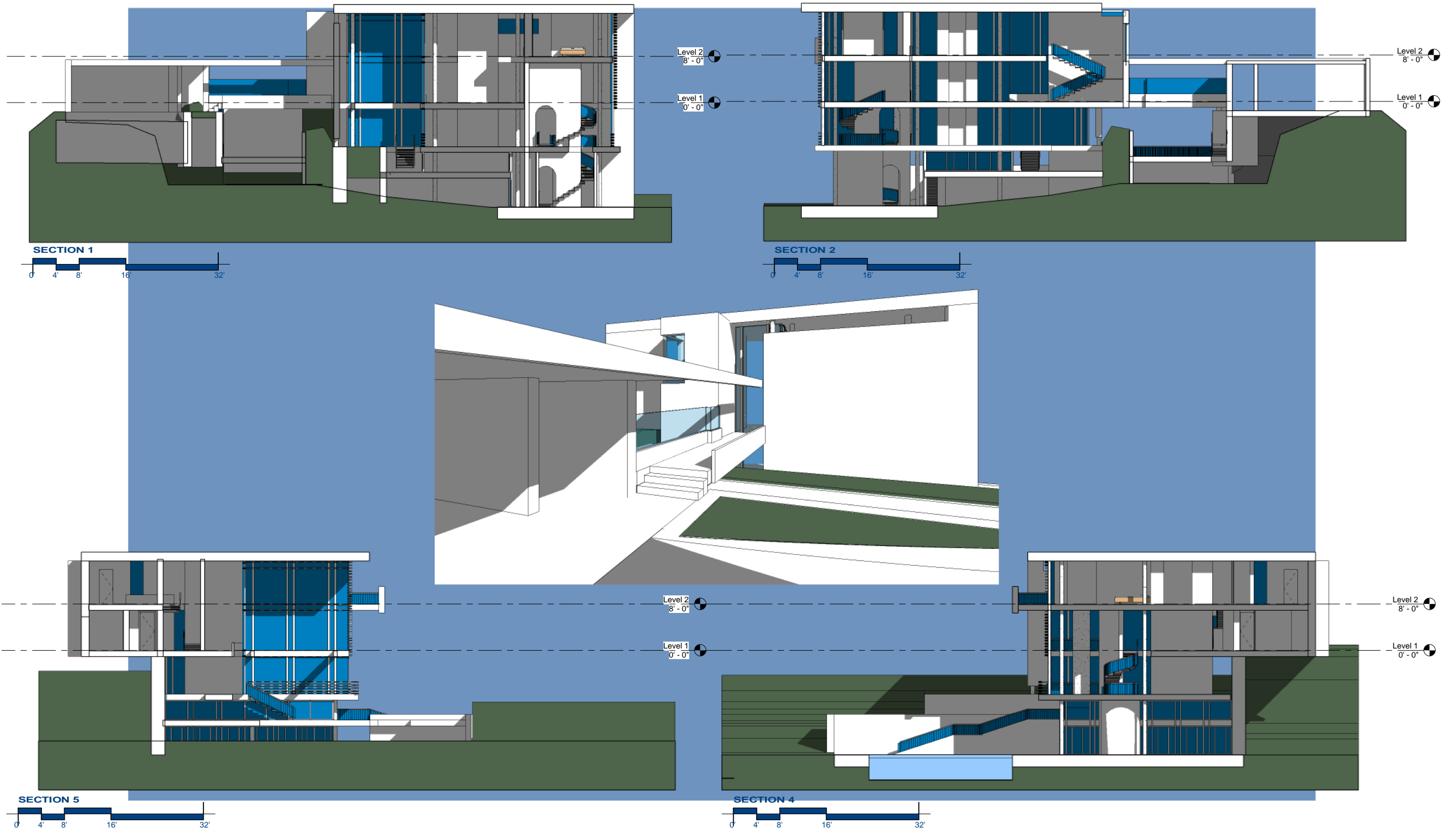


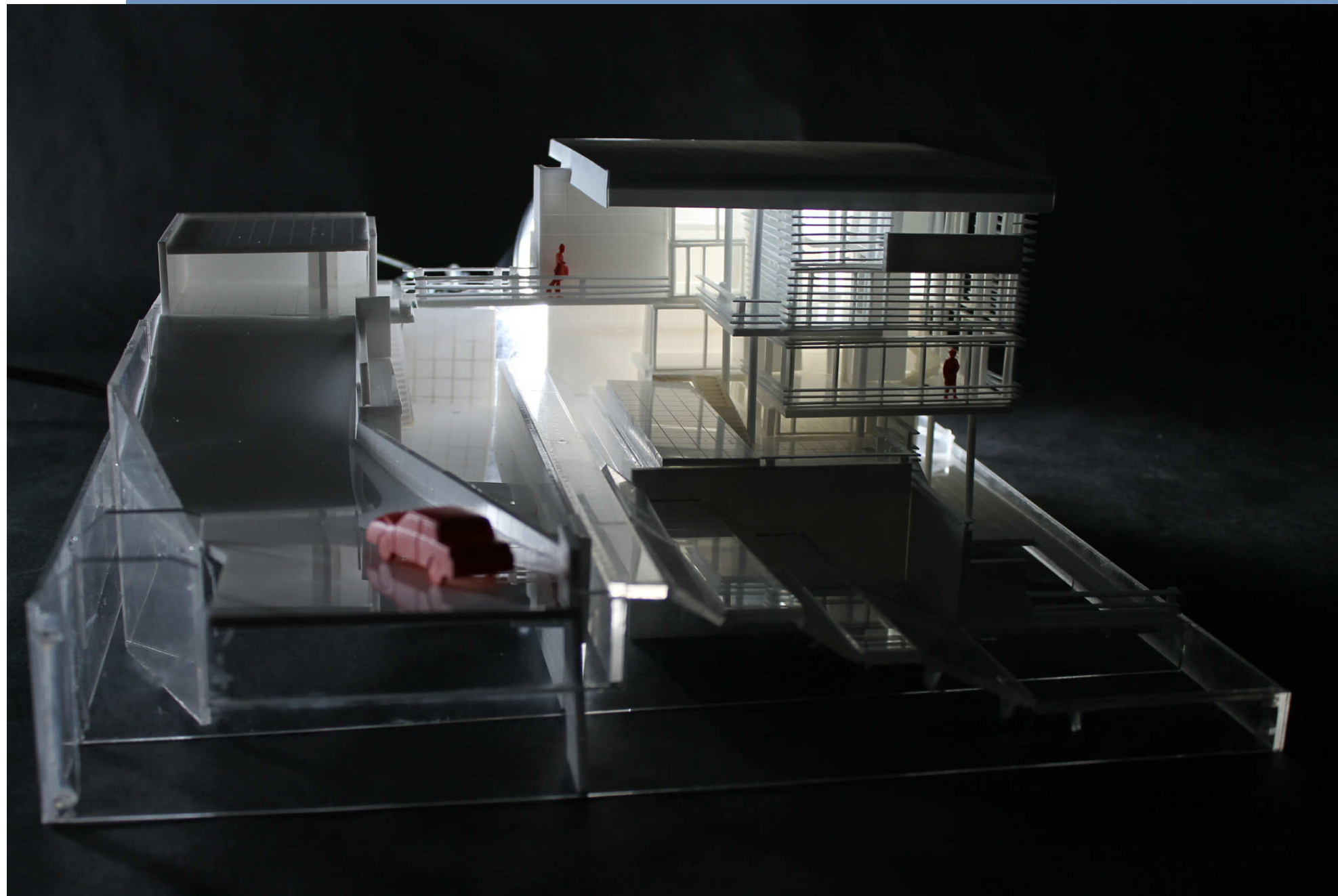
SOUTH ELEVATION



WEST ELEVATION







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EDUCATION

09.10 - Current **Glendale City College, California**
Associate Degree

09.02 - 06.06 **Mark Keppel High School**
Alhambra, California
Diploma

SKILLS

Computer Utilized **AUTOCAD 2012** and **REVIT ARCHITECTURE 2012** to develop design drawings and render finished projects in 2D and 3D images. Developed diagrams of design projects to understand layout of design concepts.

Manual Sketches The ability to sketch by freehand and competence of photo realistic hand rendering with markers, chalk, pastel, and color pencils. The capability of sketching and understanding the language of different forms of perspective from isometric to three point perspective.

EXPERIENCE

01.12 - Current **ECOVATIONS LIFESTYLE, INC**
Alhambra, California
Project Coordinator/ Designer / Drafter
Providing construction documents and design layouts.

02.11 - Current **SEEK EDUCATION**
San Gabriel, California
Behavior Technician
Providing Applied Behavior Analysis to children with special needs. Discrete Trial Training of lesson plans and behavior intervention plans, daily monitoring of the child's progress, data collection, task analysis.

PRIVATE CONSTRUCTION PROJECTS

Life Size Involved in projects with students from Art Center College of Design developing interior layouts using computer aided programs and merchandise for canine retail store. Recent involvement of store remodeling for a tea house located in Alhambra, California with interior decorations and arrangement of kitchen layout. Also rebuilt the front bar using plywood with a concept logo attached to the front base.

Scale Constructed a case study house on Richard Meier's Shenzhen Villa House located in Shenzhen, China using REVIT and AUTOCAD to understand how the construction of the house was built. A 1/8 scale model was constructed by hand using foam board, acrylic glass, and wood. A 1/16 model was also created by using Rapid Prototype Modeling machine. A secondary case study house, Kauffman house by Richard Neutra located in Palm Spring, California was constructed under a 1/8 scale model, using wood, acrylic glass, and card board.

Designed a conceptual residential house for a Katana Sword Blacksmith. Using AUTOCAD and REVIT, the design was fully constructed with documents and diagrams. Using the idea of prefabrication, the house was fully constructed in different lengths and heights of C shapes. Interior walls are also prefabricated in a L shape which creates the corner of the wall. Left over materials are used for interior decorations and exterior decorations which brings a rhythmic direction. 1/4 scale model was constructed for more profound details of the residential concept using museum board, foam board, wood, and laser machine.