FIRST STUDY MODEL
Key materials and general room orientation of the ideal home. First exploration of the juxtaposition of triangles with a cube.

SECOND STUDY MODEL
First exploration of the orientation of the cube cut on its diagonal. This orientation provided dynamic forms and ample interior space.

INSPIRATIONAL ARCHITECTURE
The Royal Ontario Museum facade was designed by Daniel Libeskind. The aggressive angles in contrast from the monolithic original structure create dynamic harmony.

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FINAL STUDY MODEL
Spatial exploration of the negative spaces allowed to develop first floor plan. (Background)

IDEAL POSITION AT END OF PIER.

SITE PLAN AND PHOTO
This residence’s location at the end of the Nowak Pier offers unobstructed views of downtown Buffalo, Lake Erie, and nearby Canada.

PHOTOGRAPH: HTTP://Flickr.com/SET/72076075601607283
MAP: COURTESY OF MAAQUEST

BUBBLE DIAGRAM
Diagrammatic representation of spatial areas in relation to their comparative size and location.
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THIS RESIDENTIAL STRUCTURE ENCOMPASSES THE DYNAMIC USE OF TRIANGULAR FORMS. THE ARRANGEMENT OF JUXTAPOSING THE TWO HALVES OF A DIAGONALLY CUT CUBE, CREATES A HIGHLY DRAMATIC AND SPATIALLY EXCITING SPACE. OBSERVERS ARE INVITED TO EXPLAIN OUT DIFFERENT VANTAGE POINTS WITHIN THE SPACE THAT ARE REACHED BY A CENTRALLY LOCATED STAIRCASE, AND MULTIPLE FLOORS OBSERVATION AREAS. THE OPEN FLOOR PLAN WAS DESIGNED TO ENHANCE THE NATURAL VIEWS OF DOWNTOWN BUFFALO AND LAKE ERIE, THROUGH LARGE PANES OF GLASS AND MULTIPLE OUTDOOR/LIVING AREAS.

FINAL MODEL (FRONT VIEW)
PHOTO SHOWING THE FINISHED LAKE VIEW SIDE, OPTIMISED BY HUGE PLATE GLASS WINDOWS FRAMED IN DARK WOOD MULLIONS. THE CANTILEVER OFF THE END OF THE PIER ALLOWS FOR THE FEELING OF FLOATING ON WATER FROM ALL OUTDOOR AREAS.

FINAL MODEL (BACK VIEW)
PHOTO SHOWING COMPLETED MODEL SHOWCASING THE FACADE THAT FACES DOWNTOWN BUFFALO. LARGE ANGLED WINDOWS FRAME VIEWS FOR THE MASTER BATH ON THE LOWEST LEVEL, THE GALLERY WALKWAY ON THE NEXT LEVEL, AND ALSO THE STUDIO SPACE ON THE HIGHEST LEVEL.

LATE DEVELOPMENT
(TOP, INTERIOR, AND WINDOW VIEW)
INSTALLATION OF WINDOW MULLIONS CREATES A VIBRANT AND DYNAMIC FLOW THROUGH THE STRUCTURE, UNIFYING BOTH HALVES OF THE CUBE.

EARLY DEVELOPMENT
(BACK VIEW)
PHOTO SHOWING FINISHED EXTERIOR ARCHITECTURE.

EARLY DEVELOPMENT
(FRONT VIEW)
PHOTO SHOWING BEGINNING STAGES OF INTERIOR AND EXTERIOR ARCHITECTURE.
MECHANICAL DRAWINGS REPRESENTING THE MULTIPLE PLANS, SECTIONS AND EXTERIOR ELEVATIONS OF THE NOWAK PIER RESIDENTIAL PROJECT. IDEAL LOCATION AT THE END OF THE PIER ALLOWED FOR THE CANTILEVER DESIGN OVER LAKE ERIE. A LIST OF SPECIFICATIONS FOR ALL INTERIOR APPLICATIONS, CAN BE FOUND IN THE FURNITURE, FIXTURES, AND EQUIPMENT PACKET.

MAIN FLOOR PLAN
MECHANICAL DRAWING SHOWING MILLWORK AND FURNITURE. 3-D LINES GIVES BETTER UNDERSTANDING OF SPACIAL ORGANISATION AND JUXTAPOSITION OF INTERIOR FORMS.

SECTION AND PIER PLAN
MECHANICAL DRAWING SHOWING DETAIL OF KITCHEN AND SECOND FLOOR STUDIO LOFT. PIER PLAN DRAWN TO SHOW END OF PIER LOCATION.
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KITCHEN ELEVATION
SKETCH RENDERING OF THE WEST WALL OF THE KITCHEN. DARK WOOD CABINETS FRAME THE STAINLESS APPLIANCES AND GLASS MOSAIC BACKSLASH.

PERSPECTIVE LIVING ROOM
BOTH PERSPECTIVE VIEWS WERE TAKEN FROM OPPOSITE SIDES OF THE STRUCTURE TO DETAIL THE SPACE THROUGHOUT. MUITE RAY TONES WITH DARK FLOORS STREAMLINE THE DESIGN, AND PROVIDE A COHESIVE FEEL. DRAMA IS EMHANCED BY UPLIGHTING THE LARGE WINDOW WALLS, AND DOWN LIGHTING THE REST OF THE WALLS. MODERN SHAPESCE HANGING LIGHT FIXTURES FINISH THE DESIGN, AND PROVIDE TASK LIGHTING.
KITCHEN SELECTION

Stainless steel appliances with similar tone wall, backsplash, and flooring set the stage for the contrast between white countertops, and dark cabinetry.

TASK SPECIFIC LIGHTING

PENDANTS USED TO CONTROL LIGHTS IN KITCHEN ISLAND, AND OVER BEDSIDE TABLE. OUTDOOR LIGHTING PROVIDES A TASK LIT AREA ON THE LAKE SIDE PATIO. OVERALL ILLUMINATION OF PATIO IS FROM DIFFUSED LIGHT FROM THE MILLION LIGHTS.

LIVING/DINING ROOM SELECTIONS

Sleek contemporary furniture, with modern task lighting provide little visual obstruction of the angular space. Uplighting at window walls illuminate the grandness of the intricate millwork, while recessed lighting in ceiling provides general illumination and showcases walls.

BATHROOM/BEDROOM SELECTIONS

Muted, cohesive color tones unify the shared bedroom and bathroom areas. Separate water closet is provided, but follows the same cohesive design of the rest of the residence.

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