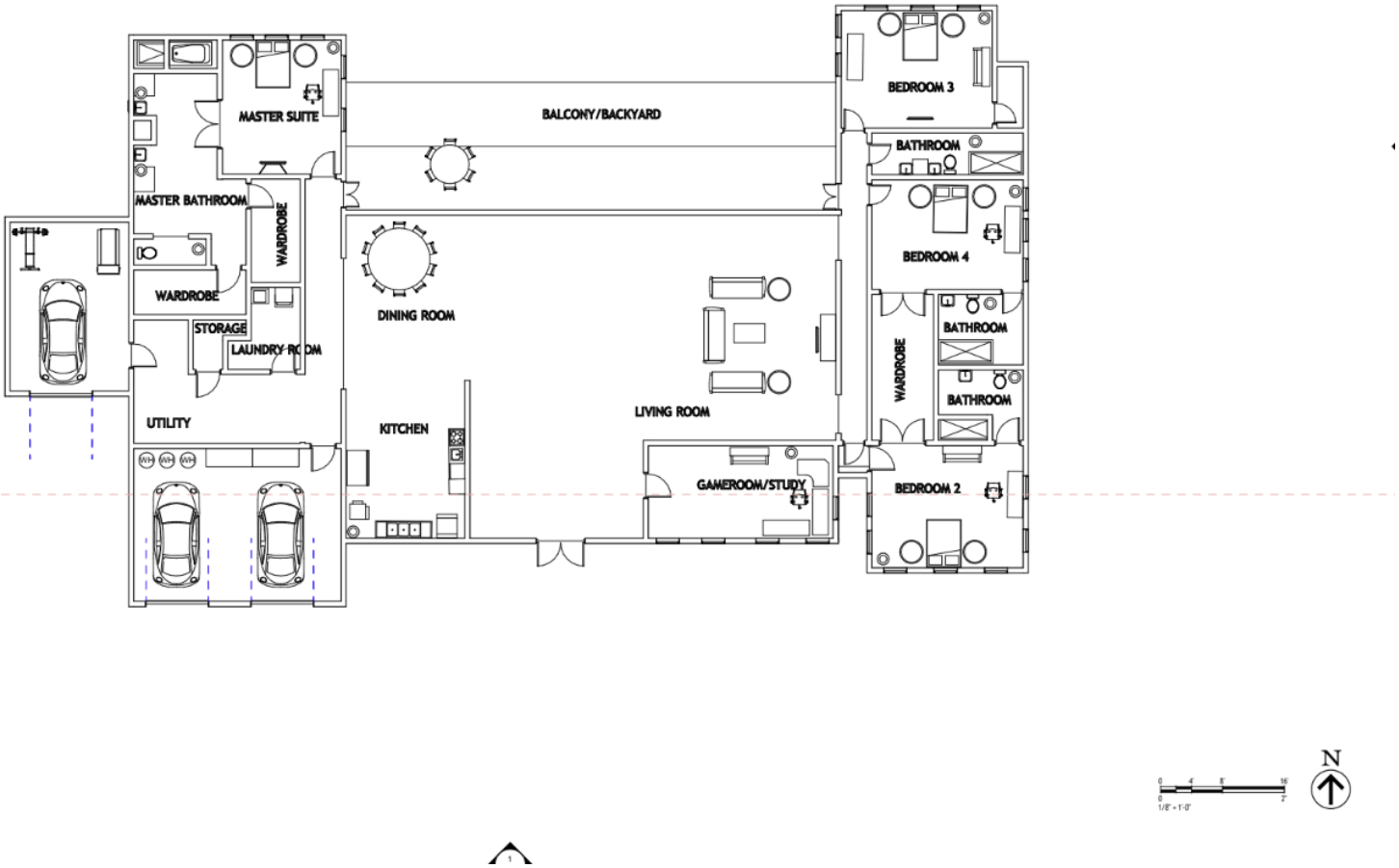
DIGITAL DESIGN

Residential floor plan



MEDIA

Digital architectural drawing.

PROCESS

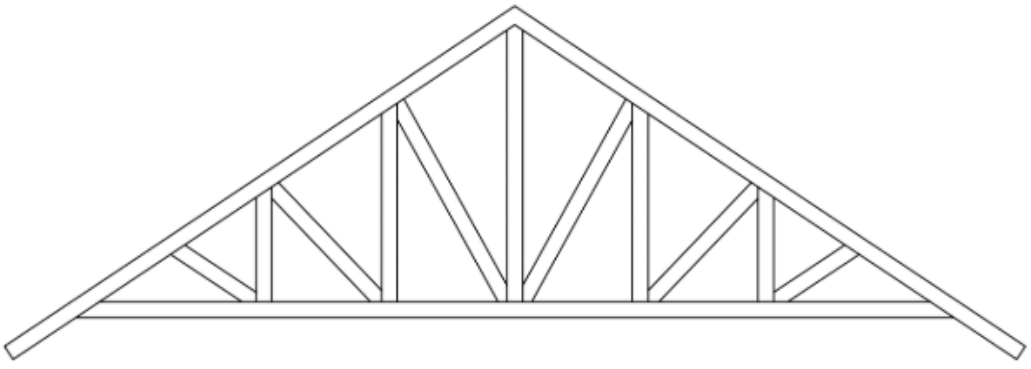
This floor plan establishes the house layout, including bedrooms, shared living spaces, and the garage. AutoCAD was used to finalize dimensions, and Revit was used to develop the interior design.

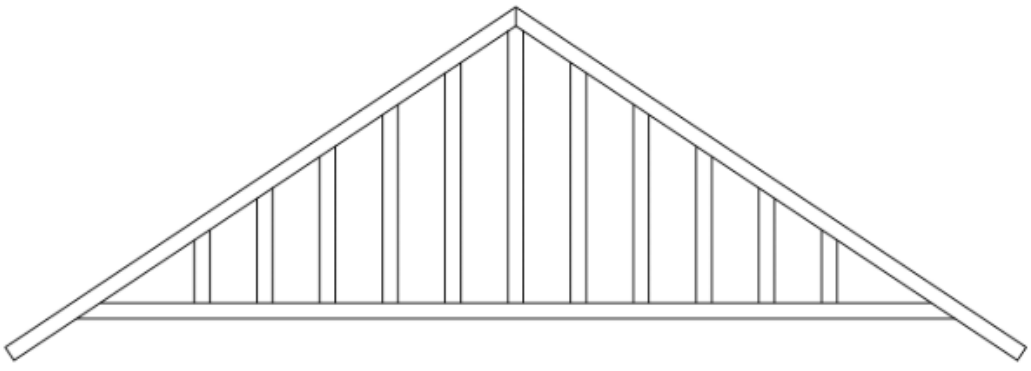
ATTRIBUTION & TOOL SUPPORT

Solo class project. Design and model construction: Saahil Kukreja. AutoCAD and Revit were used in the project. Portfolio layout and caption editing assisted by ChatGPT.

STRUCTURAL DRAWING

Roof framing study





MEDIA

Digital architectural line drawing.

PROCESS

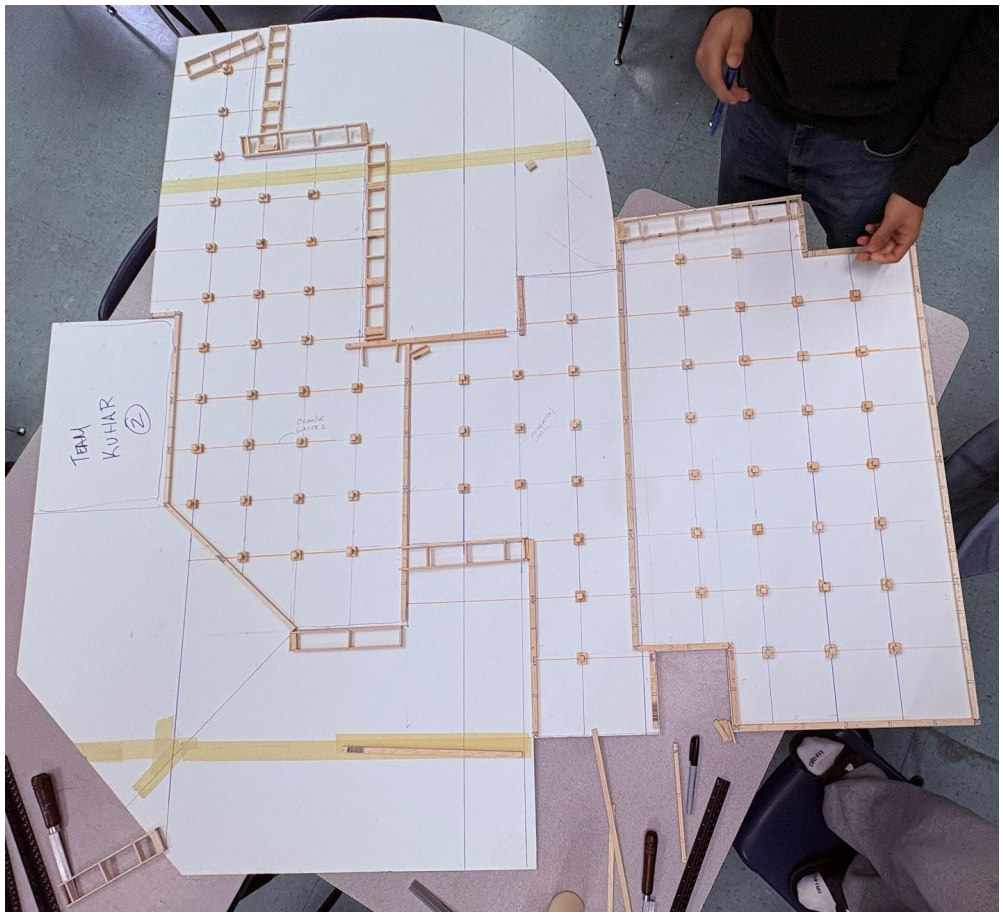
Two roof framing diagrams show different arrangements of vertical and diagonal members within a pitched roof profile. The drawings document the structural geometry studied alongside the house design.

ATTRIBUTION & TOOL SUPPORT

Solo class project. Design and model construction: Saahil Kukreja. Project software: AutoCAD and Revit. Portfolio layout and caption editing assisted by ChatGPT.

PHYSICAL MODEL / 01

Laying out the base



MEDIA

Wood model components on a marked base; photograph.

PROCESS

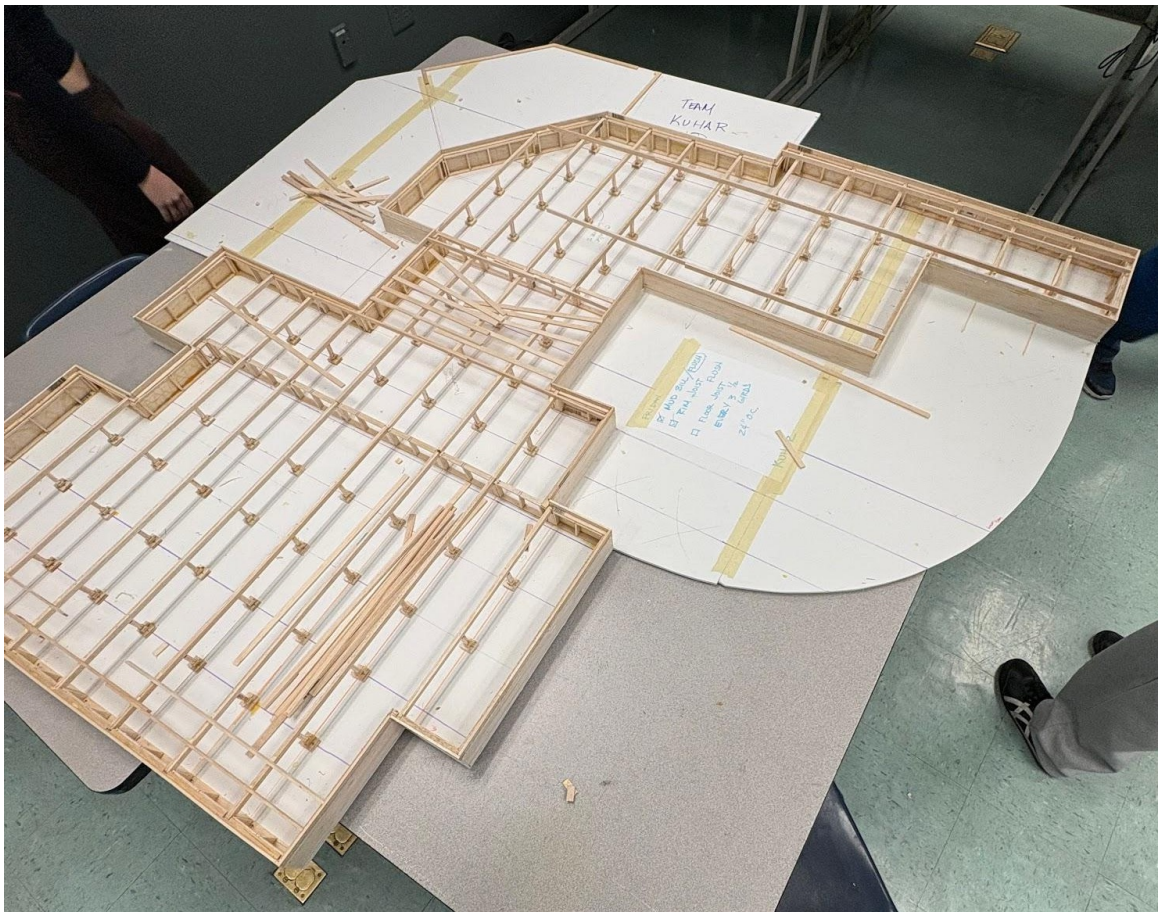
The house footprint was laid out on a marked base before the floor and wall assemblies were added. Small wood components define the perimeter and support positions, translating the drawing into a physical layout.

ATTRIBUTION & TOOL SUPPORT

Solo class project. Design and model construction: Saahil Kukreja. Hand-built wood model. Portfolio layout and caption editing assisted by ChatGPT.

PHYSICAL MODEL / 02

Floor framing



MEDIA

Wood structural model; photograph.

PROCESS

This stage exposes the floor framing before the surface was covered. Repeated wood members connect the supports and follow the irregular perimeter, showing how individual pieces form the larger floor assembly.

ATTRIBUTION & TOOL SUPPORT

Solo class project. Design and model construction: Saahil Kukreja. Hand-built wood model. Portfolio layout and caption editing assisted by ChatGPT.

PHYSICAL MODEL / 03

Building the floor surface



MEDIA

Wood sheet material and wood strips; photograph.

PROCESS

Wood sheet sections cover the framing and establish the floor surface. Pencil lines and the changing edges record how the pieces were fitted to the house footprint before the walls were assembled.

ATTRIBUTION & TOOL SUPPORT

Solo class project. Design and model construction: Saahil Kukreja. Hand-built wood model. Portfolio layout and caption editing assisted by ChatGPT.

PHYSICAL MODEL / 04

From plan to space



MEDIA

Wood architectural model; photograph.

PROCESS

The assembled wall framing turns the flat plan into rooms, passages, and openings. With the roof absent at this stage, the interior layout and the repeated wall members remain visible together.

ATTRIBUTION & TOOL SUPPORT

Solo class project. Design and model construction: Saahil Kukreja. Hand-built wood model. Portfolio layout and caption editing assisted by ChatGPT.