The next step became the challenge of creating a structural system. Taking the male and female forms, a ‘forest of columns’ was designed. The strength of the male dancer was translated into the column, while the truss was drawn from the elegance of the female dancer. At this point, the system was to be uniformly carried throughout the entire plan, joining the two functions.

Shown on this page is the initial ‘forest of columns’ model. Showing two bays, the model illustrates the gracefulness of the roof structure. Also shown are early section drawings depicting how the structure translates evenly throughout the building. A preliminary entry plan shows how the structure will be concealed (interior spaces) and revealed (exterior) spaces.
As the structural system continued to develop, the performance space began to take on a different form than the rest of the building. Models were constructed to determine the structural form of the performance space independent from the building. This form was then woven into the ‘forest of columns’, still achieving the sensation of the floating corps of dancers above the columns.

Since the theater space needed to be much higher than the rest of the building, the structure was designed to accommodate this. Still taking the concept of the male and female dancers, the structure designed represents the contrast between strength and elegance.
NORTH-SOUTH BUILDING SECTION

EAST-WEST BUILDING SECTION
Following the development of the structure, the main entry plan was developed. Shown in plan and section, the entry space takes advantage of the height of the space as well as the ‘forest of columns’ exposed throughout the building.

The lobby and theater entrances are on multiple levels, giving the inhabitants a variety of experiences throughout the space. The theater space was also examined in this section. By allowing the structure to vary in this area, the theater space is given hierarchy in comparison to the rest of the building.
SECONDARY ENTRY PERSPECTIVE
Final Presentation

Final thesis presentation included a series of hand drawn plans, sections, and elevations. Both graphite and colored pencil were used.

An overall site model and a structural model were constructed.

Original Scale:
Site Plan at 1/32” = 1’-0”
Floor Plans at 1/16” = 1’-0”
Detail Plans at 1/8” = 1’-0”
Sections at 1/4” = 1’-0”
Elevations at 1/8” = 1’-0”
Site Model at 1/32” = 1’-0”
Structural Model at 1/16” = 1’-0”
MAIN ENTRY PLAN

SECONDARY ENTRY PLAN
EAST ELEVATION

WEST ELEVATION
Bibliography

