

# Chair Deconstruction

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LC2



# Why?

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- The exercise was preformed to:
  - Model Static Structural Behavior
  - Classify connections
  - Quantify capacity based on tubular steel design

This project was undertaken to determine the structure of a chair and how the forces involved contribute to the stability of the chair.



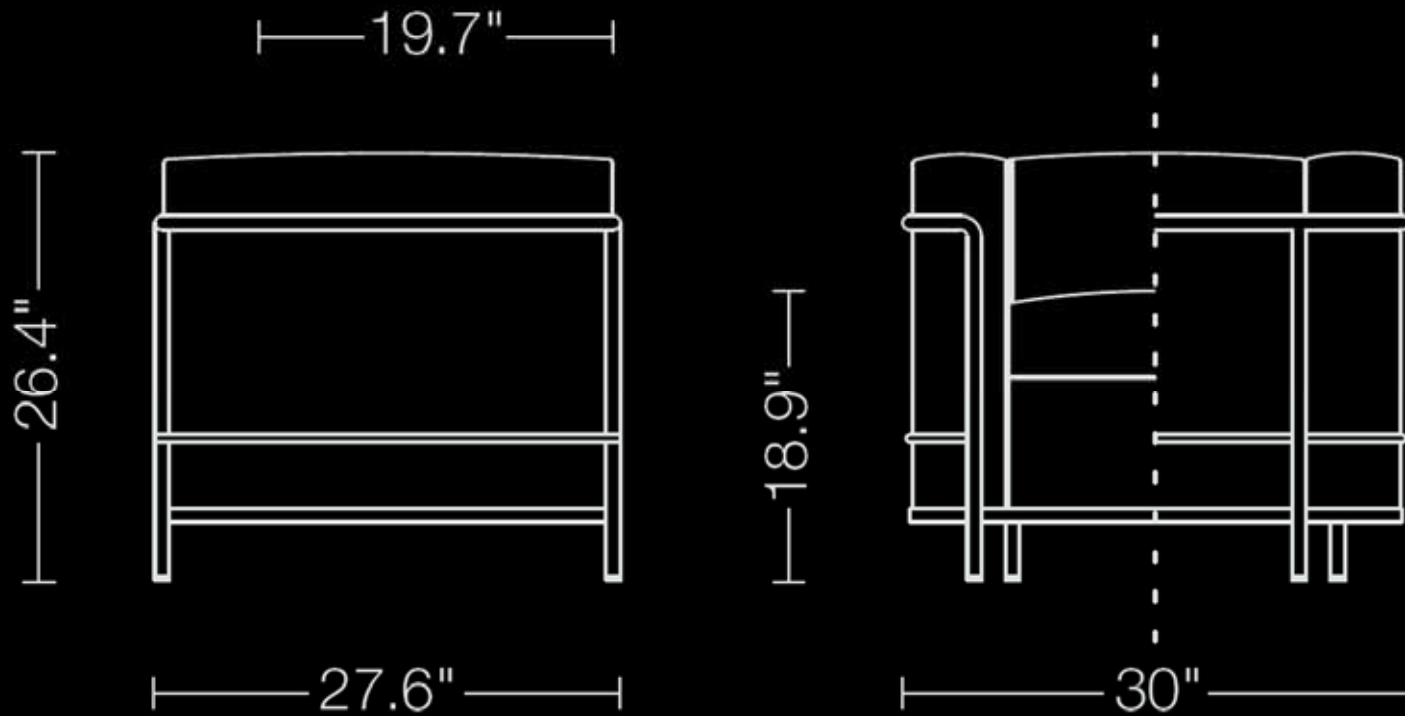
# Assembly Process

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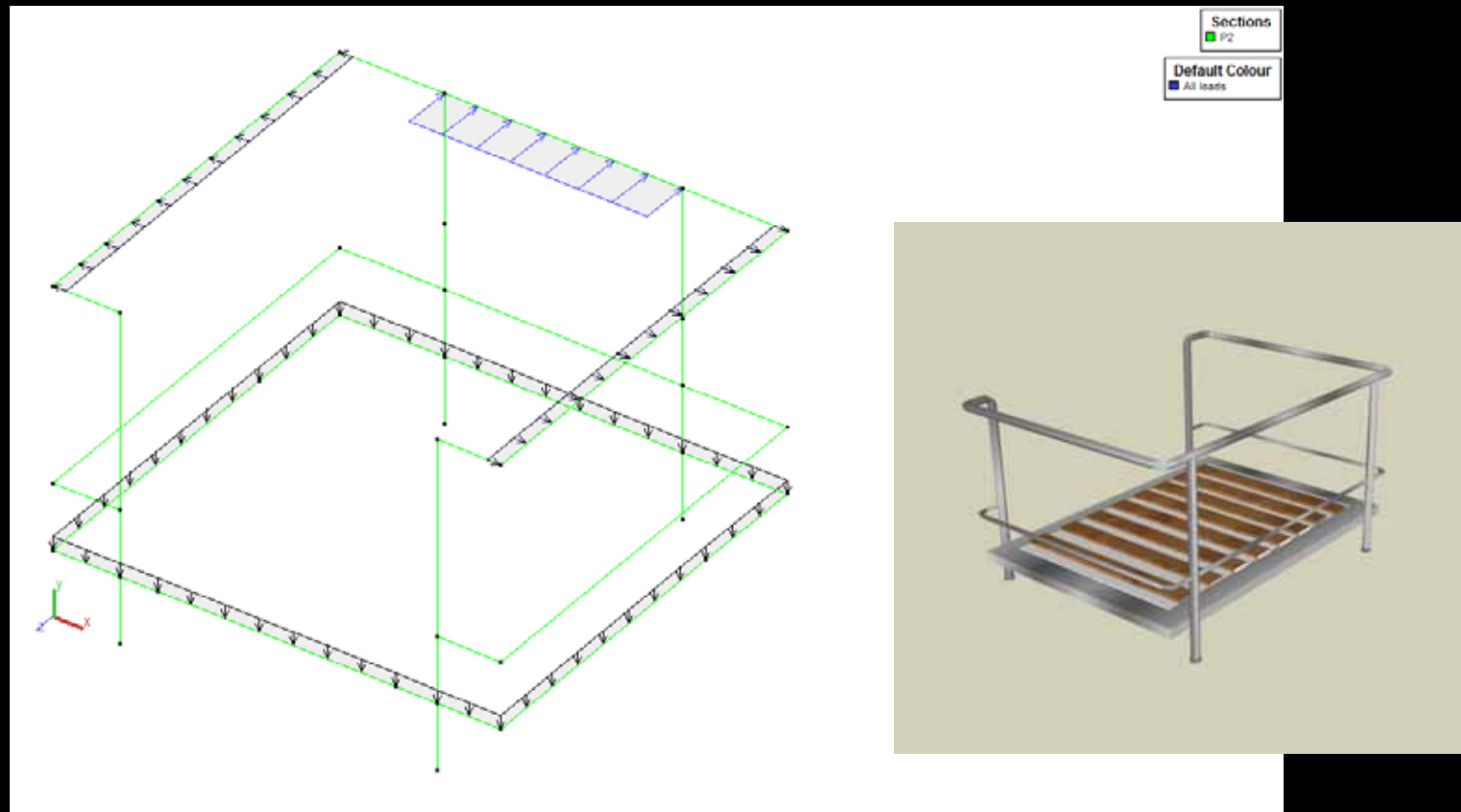


# Chair Dimensions

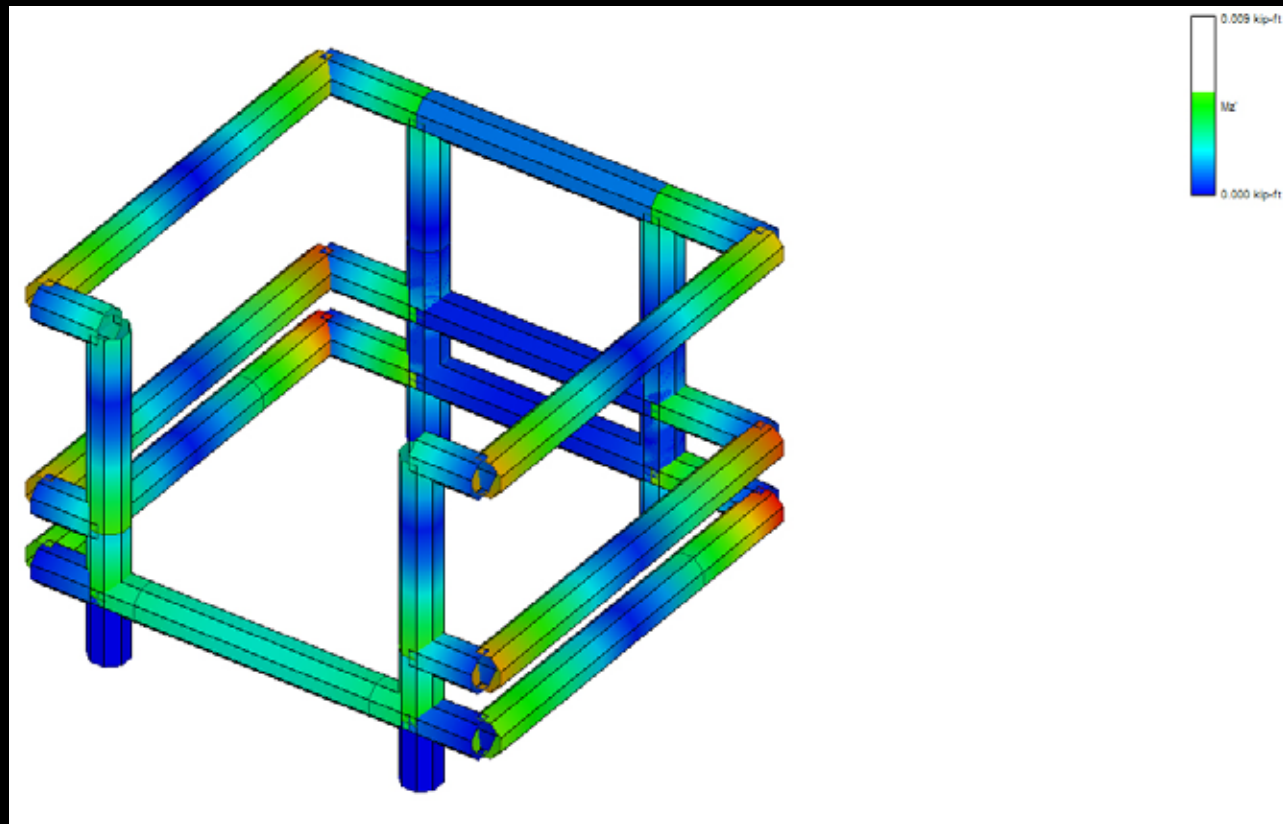
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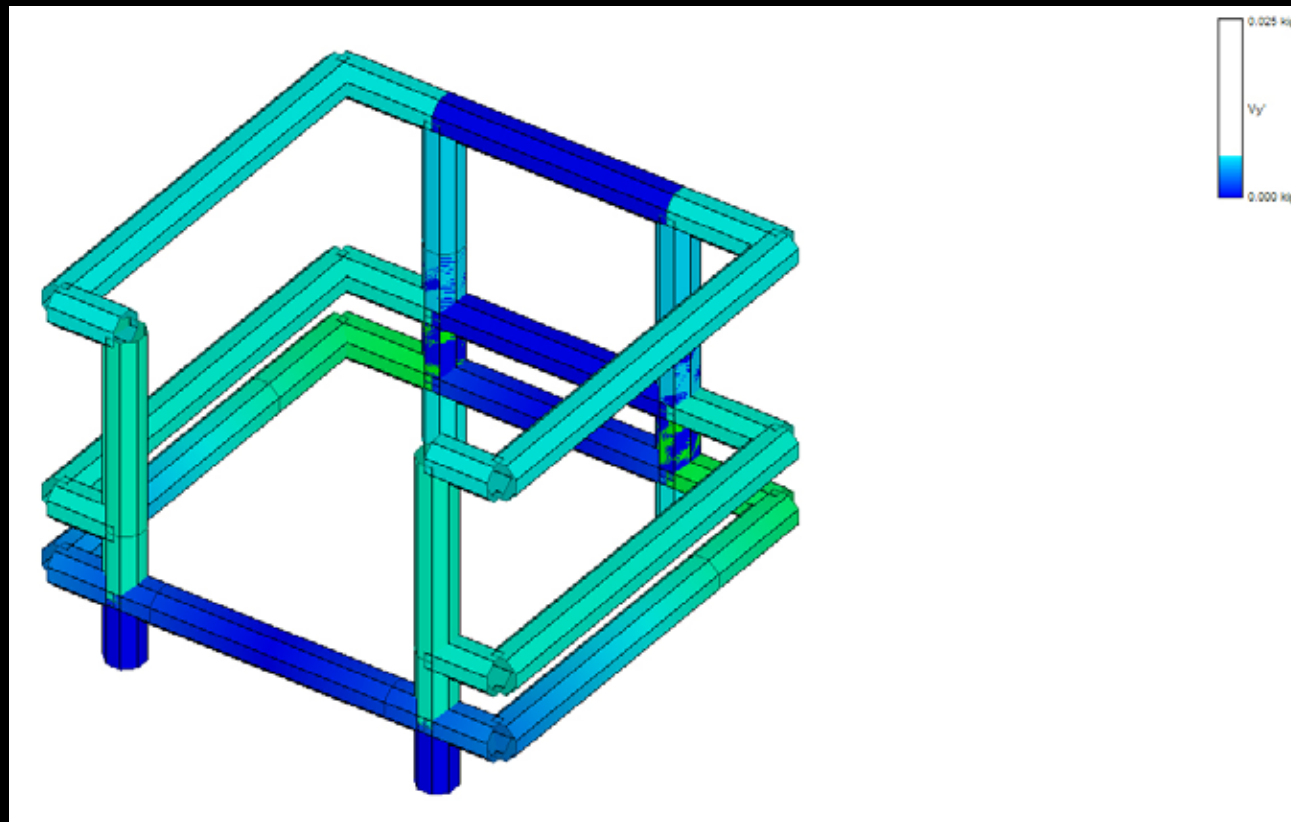
# Loads on Structural Components



# Moment

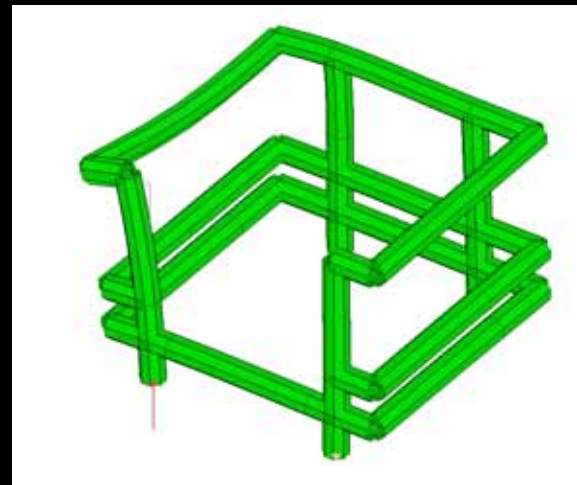
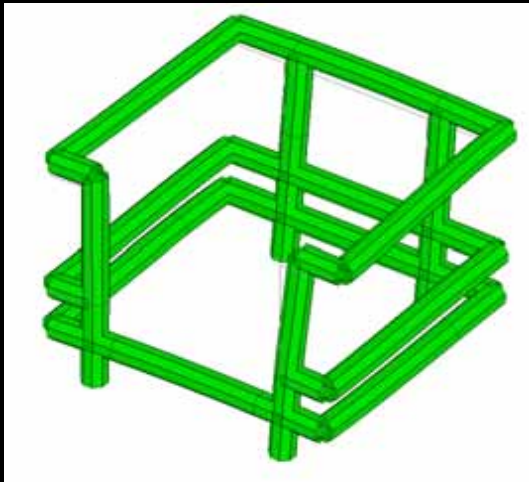


# Shear



# Deflection

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# Conclusion

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- Straightforward Construction
- “Cradle for Cushions”
- Lateral Flexure
- Computer Modeling



# References

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