

university of Oregon – school of architecture and allied arts – department of architecture
arch4/507 terminal studio preparation seminar – nancy cheng

Assignment 5

WOOD

Due: Wed Nov. 4, 2015 at 9am

Part 1. Create one glued joint & one unglued joint using linear wood members (i.e. 1"x3", 2"x2" etc.) Be ready to discuss the following:

Where is the strength of the joint?

What keeps the pieces from sliding or rotating?

Where is the mark of the machine visible? The mark of the human hand?

How can the aesthetic result be tuned?

How would you scale the principles up to architectural size?



Bird's Mouth Joint from BrokenRiverJoinery.wordpress.com

Part 2. Create a base, tray or shelf to present your sculptural metaphor

Connect three to five pieces of wood to create a platform for showing your sculptural metaphor.

REFERENCES

Terrie Noll, *The Joint Book: The Complete Guide to Wood Joinery*

Hideo Sato and Yasua Nakahara, *The Complete Japanese Joinery*