



Timber Framers Guild

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DRAFT

Square Rule Curriculum

DESCRIPTION

Describe the principals of Square Rule Layout and its uses for timber framing.
Demonstrate the use of Square Rule layout for joinery.
Demonstrate the use of Square Rule Layout for frame sections.

LEARNING TASKS CONTENT

1. Describe Square Rule Layout
 - "The Perfect Timber"
 - History of Square Rule Layout
 - Interchangeable Frame Components & Standardization
 - Square Rule, Timber Resources & Architectural Form
 - Drawing Requirements
 - Developing Reference Faces & Lines
 - Accommodating Wind, Bow & Crook
 - Back-Measurements for Housings & Tables
 - Organic Shapes & Curves
 - Rough-Sawn Timber & Hewn Timber
 - Pros & Cons of Layout Form
2. Scribe Rule for Joinery
 - Marking-up Layout Lines & References
 - Tables & Housings
 - Braces & Struts
 - Compensating for Angular Error
 - Brace Charts & Rafter Tables
 - Tips & Tricks
 - Special Tools & Jigs
3. Scribe Rule for Frame Sections
 - Bent Layout / Truss Layout
 - Wall Layout
 - Floor Layout
 - Roof Layout
 - Tips & Tricks

GOALS FOR SUCCESSFUL COMPLETION

Practical:

Given the following tools:

- Carpenter's Pencil
 - Tape Measure
 - 2 Framing Squares
 - Combination Square
 - Chalk Line / Ink Line
- i) Learners will demonstrate their understanding of Square Rule by laying out a variety of simple mortise and tenon type joinery on 8" timbers to within 1/16" tolerance overall.
 - ii) Using only the tools listed above, learners will use Square Rule to lay out a simple bent section (including at least one pair of braces) for cutting. Layout will be accurate to 1/8" tolerance overall.