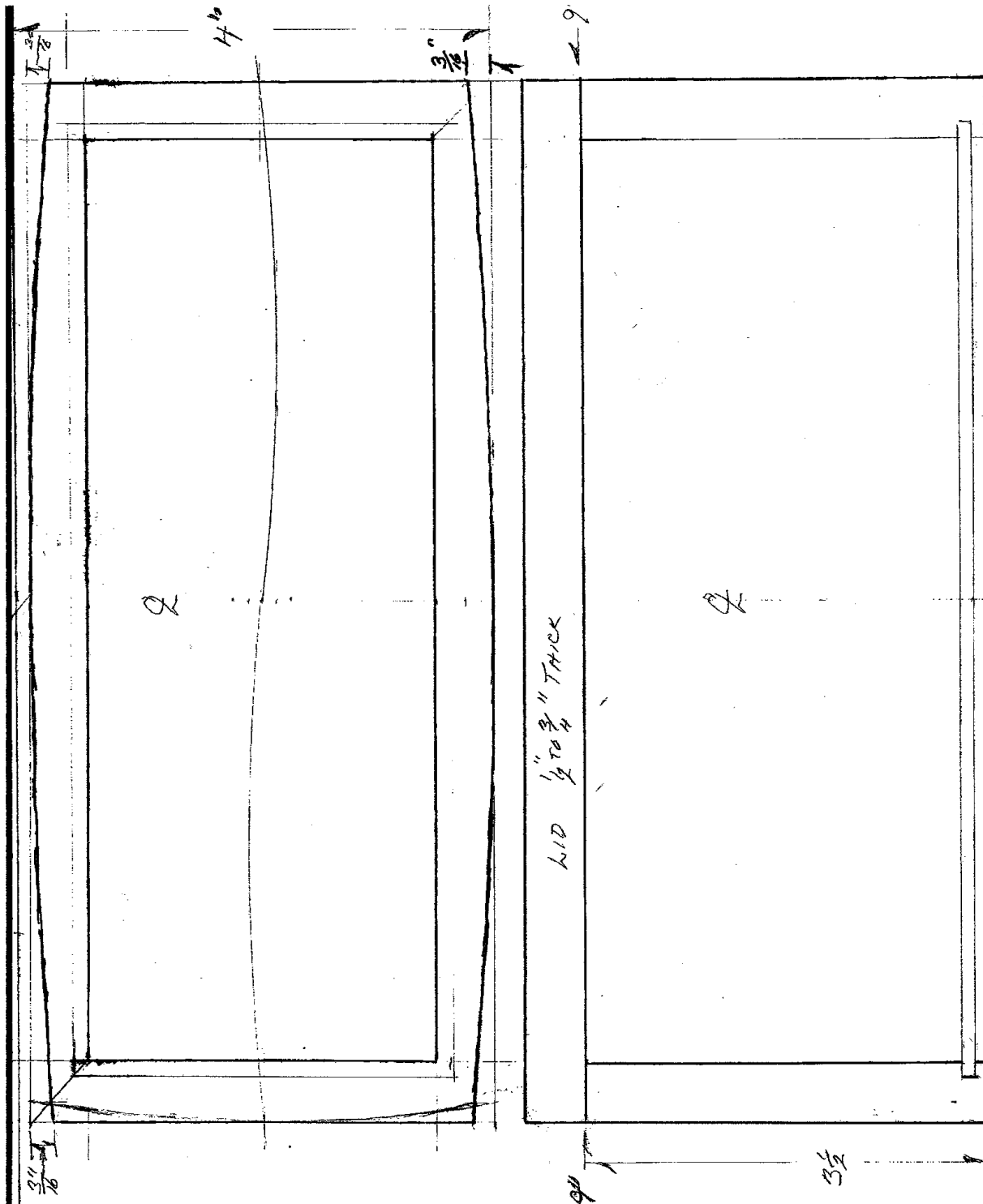




TEA BOXES & TREASURE CHESTS

BLW – 2016

Prototype Box Schematic



Kit Dimensions

2 – ½” T X 3 ½” H X 4” W -- End

2 – ½” T X 3 ½” H X 9” L --- Sides

1 – 1/8” (3 mm - Baltic Birch Plywood) X 3 15/64” W X 8 15/64” L – Bottom

1 – 4 1/16” w X 9 1/16” L – Top (Bottom Sub-Strate)

Veneers (Solid) 1/8” To 5/32” T X 2 1/16” W X 2 ½” L

1/8” To 5/32” T X 2 1/16” W X 5 ½” to 6” L

Veneers (Laminated - Cross Veneers) 1/8” To 5/32” T X 2 1/16” W 4 1/8” L

3/16” Delrin Rod – Pins (2 per box – 24 (Length 1 1/8” long– one end rounded)

-----I have the Black Delrin Rod.-----

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OPTIONAL --I have patterns cut to draw outlines for tapering the boxes if the participants choose to take that challenge. They tracing patterns are cut to the drawn lines.



Tools –

Files (15+ Half Round or Flat)
Mini Shop Vac (Hose & attachments)
Band Saw (Extra Blades)
Belt Sander - Extra Belt –Belt Cleaning Sticks (Aluminum C-clamps for Router Table and Belt Sander, t-Handle 1/8” Allen Wrench)
Allen WrenchSets – English, Metric, Star
Pliers – Needle Nose, Regular, Wire Cutter
Wrench Sets, Crescent Wrenches, Screw Drivers (Straight and Phillips)
Router and Trim Bit (Screw Driver, Bearing oil)
Sanding Blocks and Sand Paper (Three Grits ?)
Random Orbit Sanders – 2 (Sanding Discs)
Drill Press (2- Bit Sets)
Bar Clamps – 6” - 12” - 15”
Luthier Clamps
Veneer Presses (Ed) Blue Underlayment – Bill
Screw Driver sets – Straight and Phillips
Tracing Velum??
Masking tape – 4 Rolls - (tape veneers, tape box sides for lid trimming, box tops for drilling pin holes, Name Tags)
Fine Tip Magic Markers for Name Tags
Black Delrin Rod for Lid Pins
Glue – Dark Tite Bond (6-small bottles)
Glue Rags
60 Large Rubber Bands
Gallon Bag (For Kits)
Pencils (Number slips for bags, number slips to draw)
Tape Measures, Steel Rulers
Box Kits -- (Box Kit – Sides, Top, Bottom, Rubber Bands 4)
Veneers (Cross strips, Short and long blocks – 1/8” thick X 2 1/16” - 1/8” wide)
Gallon Zip Lock Bags for Kits
Safety Goggles
Extra wood pieces for jigs and unexpected needs
Hack Saws - 2
Vices – 2 (With Jaw Pads)
Finish (Cans, rags, gloves, Artificial Steel Wool, Paint Thinner, Red Can MinWax Finish)

DAY 1

Divide into teams of 2

- Orient class to what will take place – What needs to be accomplished on Day 1

Safety Instructions

Each Day!!!

- Remove Name Tags or tuck in shirt
- Make a masking Tape name Tag
- Tie Hair Back
- Wear Goggles when operating Power Tools

Tool Safety - Give instructions for tools that will be used that day -- **Drill Press**
BandSaw or Hack Saws

Draw numbers for Kits - and pass out kits

Explain Box Assembly Steps

Explain Gluing process (Distribute Glue Bottles, Damp Glue rags)

- Explain “Clamping process” with Rubber Bands

Glue Boxes (Identify boxes with name and date on box, or with masking tape)

Drill Guide Pin Holes Through Lid Into Box

Cut and shape Guide pins

Mark pin location on lid ends (Jig for locating box and lid?)

Tape lid to box

Drill holes with Drill press

Explain Lid Veneering Process

Select Veneers – Test layouts of veneers

Explain veneer selection/layout exploration – taping veneers

Demonstrate Veneer Clamping process

Describe Glue application

Distribute Veneer presses & pads, Luthier clamps, Damp Glue Rags

Glue and press veneers

Day 2

Safety Instructions

Each Day!!!

- Remove Name Tags or tuck in shirt
- Make a masking Tape name Tag
- Tie Hair Back
- Wear Goggles when operating Power Tools

Tool Safety - Give instructions for tools that will be used that day -- Router & Trim Bit

Glue Veneers, if not already finished

Begin sanding Box Bodies

- Demonstrate Clamping techniques Pad side of the box with Veneer Press Pad
- Clamp use
- Sanding Blocks and papers (Paper Grades)
- Files and File Card use

Begin sanding Lids

Day 3

Safety Instructions

Each Day!!!

- Remove Name Tags or tuck in shirt
- Make a masking Tape name Tag
- Tie Hair Back
- Wear Goggles when operating Power Tools

Tool Safety - Give instructions for tools that will be used that day -- Drill Press

Fit/Trim Lids to Box Body

- Mask Box body
- Trim Lid with Router
- Finish sand Lid Edge to remove any burn marks

Drill out Lid holes (1/64th over)

Finish sanding Box Body and Veneered lid

Begin Finishing the completed Boxes

Demonstrate finishing @ Finish Station

Finish Station (Cans, rags, gloves, Artificial Steel Wool, Paint Thinner,
Red Can MinWax Finish)

Day 4

Finish anything left undone!

Rub out finish

- Demonstrate use of Artificial Steel Wool
- Add and rub out final coat of finish if desired

Clean up! Pack-out!

Sweep Floor/Run vacuum

Clean off craft tables, fold and stack all craft tables

Return Formal furniture (tables and chairs) to room

Pack out tools and supplies.