



## WDWK 2459 ADVANCED WOODWORKING

### Lumber List for Side Table

*\*all sizes are listed rough. Final part is smaller*

**5/4:** *Need: approx 7 board feet (this may be purchased as 6/4 for convenience)*

1. Top, quantity (1) 20" x 24" (flat sawn) (4.25bd ft)
2. drawer runners, quantity (4) 3" x 15" (2bd ft)
3. bottom side rails, quantity (2) 1 ½ x 18 (.6bd ft)

Examples (pick only **one** of these three!)

1 board, 8 ½" Wide x 8' long = 7 bd ft

1 board, 6 ¾" Wide x 10' long = 7 bd ft

2 boards, 5 ¼" wide x 8' long = 8 bd ft

**6/4:** *need: approx 10 board feet*

1. Side Rails, quantity (2) 6 ½ x 17 (2.5bd ft)
2. Front and back lower rails,: quantity (2) 1 9/16" x 21 1/2" (1bd ft)
3. Front and back upper rails: quantity (2) 1" x 20" (.5bd ft)
4. Legs, quantity (4) 2" x 26" (rift grain) (2.5bd ft)
5. drawer fronts, quantity (1) 4 1/4" x 19" (will be resawn) (1bd ft)
6. drawer sides quantity (1) 4 1/4" x 17" (rift or quarter grain) (will be resawn) (1bd ft)
7. Bottom Slats (2) 2 ½ x 21 (will be resawn)

Example: 1 board, 6 ½ "W x 12' long (can be cut at 6' giving you two 6' boards to transport)

I put recommendations about grain orientation for your info. Do not worry about this if you cannot tell. Generally if you see annual rings running down the face of a board fairly close together, this section of the board is rift (the annual rings are around 45 degrees to the surface).

Dealers:

**Blue Linx (was Austin Hardwoods) 442-4001  
4209 S. Industrial just east of I-35 at St. Elmo**

**Fine Lumber and Plywood 836-8990 (good selection, nice facility  
9407 Brown Lane**

## Rough Milling

After the careful selection and labeling of parts, the wood is ready for Rough Milling

1. First find all parts and label
2. Use the cut off saw to go to rough length(at least 1/2" over than final)
3. Use the band-saw to go to rough width. Here it is important to leave enough material to straighten the part and achieve the desired size. The problem with leaving too much material is that when it is taken to final size the part will "move" or warp from the release of stress.
4. Re-saw material for drawer sides (one face and one edge can be milled if necessary before resawing) Wood often moves a great deal after resawing so (for example) if the yield is to be 1/2" thick, saw at a minimum of 5/8+
5. Sticker all material before leaving

## Correct Milling Sequence

1. Read grain direction to establish which direction to work.
2. Join one face flat
3. Join one edge straight and square to that face
4. Plane other surfaces until they clean up (flipping board if the surface has cleaned up but it is not to desired resting thickness)
5. Check for straight and flat throughout this process
6. Re straighten (face plane) if necessary
7. Take to final thickness and width
8. For Rails, take to final length
9. For legs cut bottom of leg then cut to 1" over length