



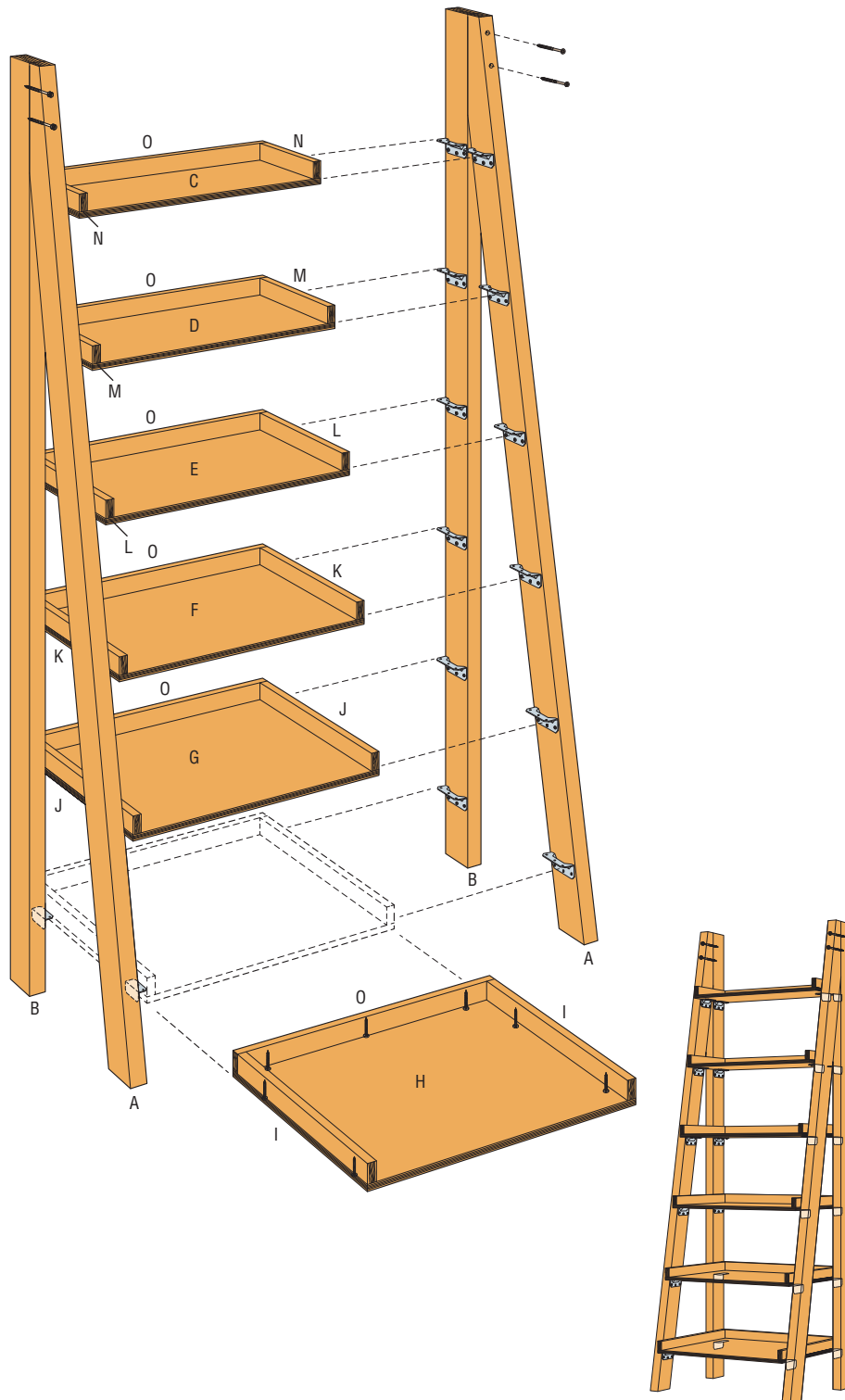
Add More Space for Decorative Display

# Leaning Ladder Bookshelf

Get the most out of your wall space and add an artistic flair with this sturdy, compact ladder bookcase. Six shelves provide ample room to store books or display your favorite keepsakes. Construction is easy, and Simpson Strong-Tie® gusset angles ensure that your bookshelf provides years of lasting enjoyment.



Check out our installation and building tip videos at [diydoneright.com](http://diydoneright.com).



## TOOLS YOU NEED

- Circular or miter saw
- Speed square
- Pencil
- Screw gun with Phillips head bit
- 2' level or straight edge
- 5/16" drill bit
- Clamps (not necessary but helpful)
- Wood putty
- Sandpaper
- Stain and varnish

## INSTALLATION INSTRUCTIONS

### 1. CUT LUMBER TO SIZE.

### 2. ATTACH TOPS OF LEGS.

Adjoin the top of front and back legs (A and B) with two Deck-Drive™ DSV 3" wood screws per side.

### 3. INSTALL GUSSET ANGLES TO LEGS.

Mark placement of GA2 gusset angles on back legs at 12" intervals starting at 4" from bottom and working your way up. Attach with SD8 Wafer-head screws. Use a level or straight edge to mark placement of gusset angles on front legs at same height. Attach angles to front legs with SD8 screws.

### 4. ASSEMBLE SHELVES.

Attach side rails (I through N) and back rails (O) to each of the six shelves (C through H) with SD8 screws.

### 5. ATTACH SHELVES TO LEGS.

Attach shelves to legs with pan-head screws.



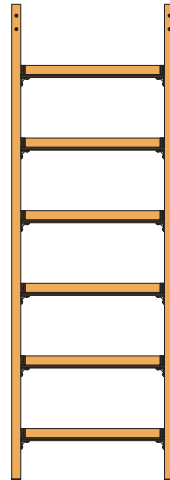


# Materials and Cutting Diagram

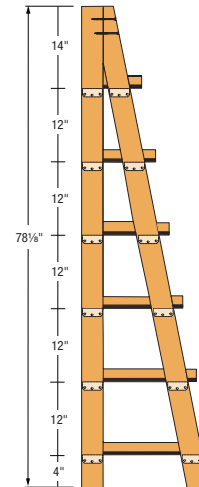


## Leaning Ladder Bookshelf

FRONT VIEW



SIDE VIEW



### FOR THIS PROJECT YOU WILL NEED:

#### LUMBER

- (4) Pieces 2x4 x 8'
- (4) Pieces 1x2 x 8'
- (1) Half sheet 3/4" plywood

#### SIMPSON STRONG-TIE® CONNECTORS AND FASTENERS

- (24) GA2 gusset angles
- (1) Box Simpson Strong-Tie® SD #8 x 1 1/4" Wafer-head screws
- (4) #10 x 3" Deck-Drive™ DSV Wood screws (tan)
- (1) Pack of #8 3/4" pan-head screws

#### CUT FROM 2x4 x 8'

- (2) 80" Front Legs

- (2) 78 1/8" Rear Legs

#### CUT FROM 1x2 x 8'

- (4) 23 3/4" Shelf Back Rails

- (2) 23 3/4" Shelf Back Rails

- (2) 20" Shelf Side Rails

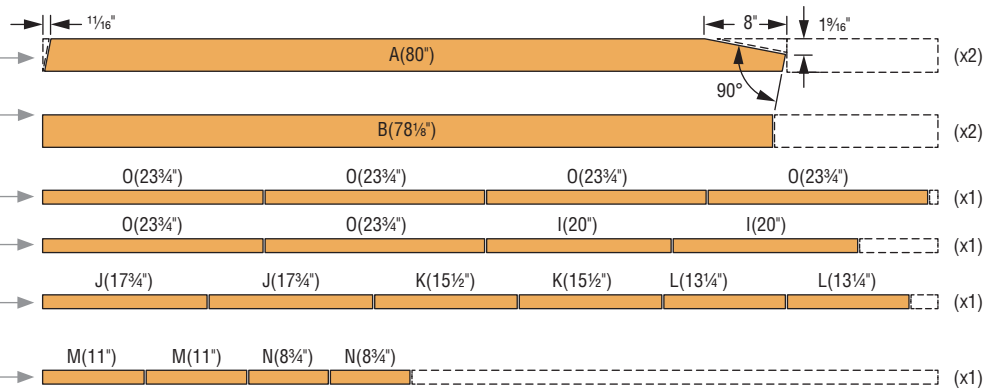
- (2) 17 3/4" Shelf Side Rails

- (2) 15 1/2" Shelf Side Rails

- (2) 13 1/4" Shelf Side Rails

- (2) 11" Shelf Side Rails

- (2) 8 3/4" Shelf Side Rails



#### CUT FROM 4' x 4' x 3/4" SHEET

- (1) 9 1/2" Shelves

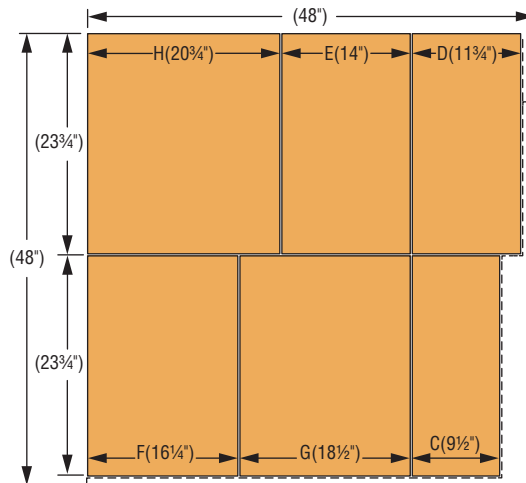
- (1) 11 3/4" Shelves

- (1) 14" Shelves

- (1) 16 1/2" Shelves

- (1) 18 1/2" Shelves

- (1) 20 3/4" Shelves



The construction plan for this project is designed to be completed by people with basic carpentry skills in standard situations. If your situation is unique, talk with someone with detailed carpentry or construction experience before starting your project. Particular attention was paid to the steps and details in this plan, but they cannot be guaranteed to be error free. Simpson Strong-Tie shall not be responsible for any possible loss, damage or injury resulting directly or indirectly from the information contained here.