



## **Mahogany Wine Rack Assembly Instructions**

### **Cascade**



Congratulations! You have purchased the finest wine racking available anywhere. Properly assembled, these solid mahogany Vigilant wine racks will outlast even your finest wines. Please call toll free 888-812-4427 if you have any questions or problems.

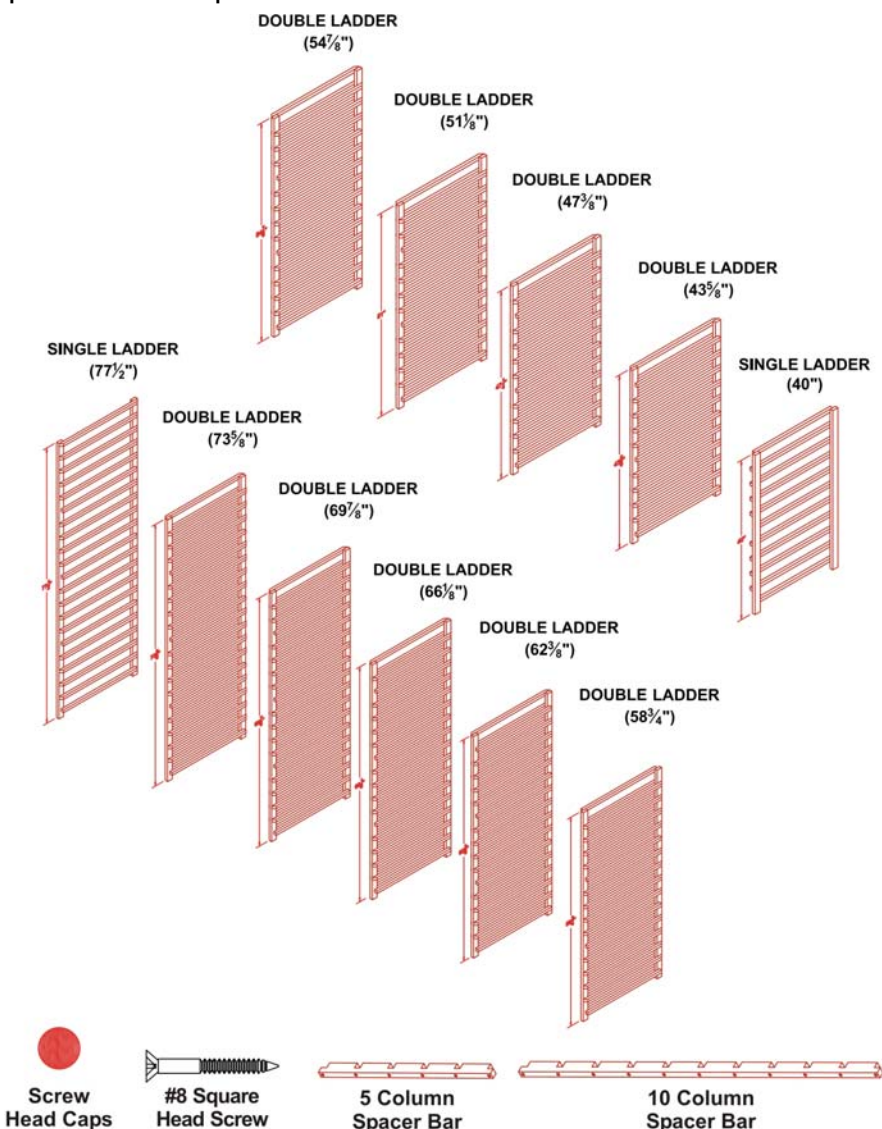
### Tools Required for Assembly:

- Electric drill or cordless screw gun
- 9/64" drill bit
- Phillips Head Screwdriver
- #2 Square drive bit
- Hammer, preferably rubber or soft-faced

**Note: If you have chosen your wine rack to be finished without pre-drilled holes, you will need a pneumatic nail gun to properly assemble your rack**

### Parts List:

Before starting, carefully review the parts and quantities against the parts list to make sure you have everything you need. Then read through the instructions, taking time to familiarize yourself with the pieces and steps.



- 6 Spacer Bars (45 3/4" long)
- 2 Spacer Bars (23 1/4" long)
- 1 Single-Sided Ladder (40" long)
- 1 Single-Sided Ladder (77 1/2" long)
- 1 Double-Sided Ladder (73 5/8" long)
- 1 Double-Sided Ladder (69 7/8" long)
- 1 Double-Sided Ladder (66 1/8" long)
- 1 Double-Sided Ladder (62 3/8" long)
- 1 Double-Sided Ladder (58 3/4" long)
- 1 Double-Sided Ladder (54 7/8" long)
- 1 Double-Sided Ladder (51 1/8" long)
- 1 Double-Sided Ladder (47 3/8" long)
- 1 Double-Sided Ladder (43 5/8" long)
- 78 #8 Square Head Screws (1 1/2" long)
- 78 Screw Head Caps

### **Parts List**



### **Tips: For Building Your Wine Racks**

Before assembling your rack, line up all of your spacer bars. If any spacer bars have blemishes from shipping they can be used as back spacer bars, where they will not be seen.

If you are using a powered screw gun that has a clutch, make sure to set it at a low setting first until you find the right setting. If you have it set high it may over tighten and then split the wood.

Pre-drill all screw holes with a 9/64" drill bit. This makes it less likely for your wood to split. (The easiest way to do this is to follow the pre-drilled holes provided on certain pieces as your guide.)

When you screw through the spacer bar and into the ladder upright do not over tighten, especially on the end locations. Over tightening can cause your spacer bar to split.

Make sure you align the top of your spacer bar to the top of the spacer slat.

When drilling your rack into the wall it is easiest to drill through your top back spacer bar and into the wall stud.

When attaching racking to adjacent racking we recommend using clamps to hold the adjacent racks together before securing with screws.

The best placement for your screws, to secure adjacent racks is under all spacer bar locations. This keeps the screws hidden and keeps your rack secure and steady.

### **How to Care for Your Stained & Lacquered Wine Racks**

Your Vigilant wine racks are built using the highest quality mahogany wood and finish available. When properly cared for, your wine racks will last longer than your finest bottles of wine. Here are a few tips on maintaining the quality and consistency of your racking.

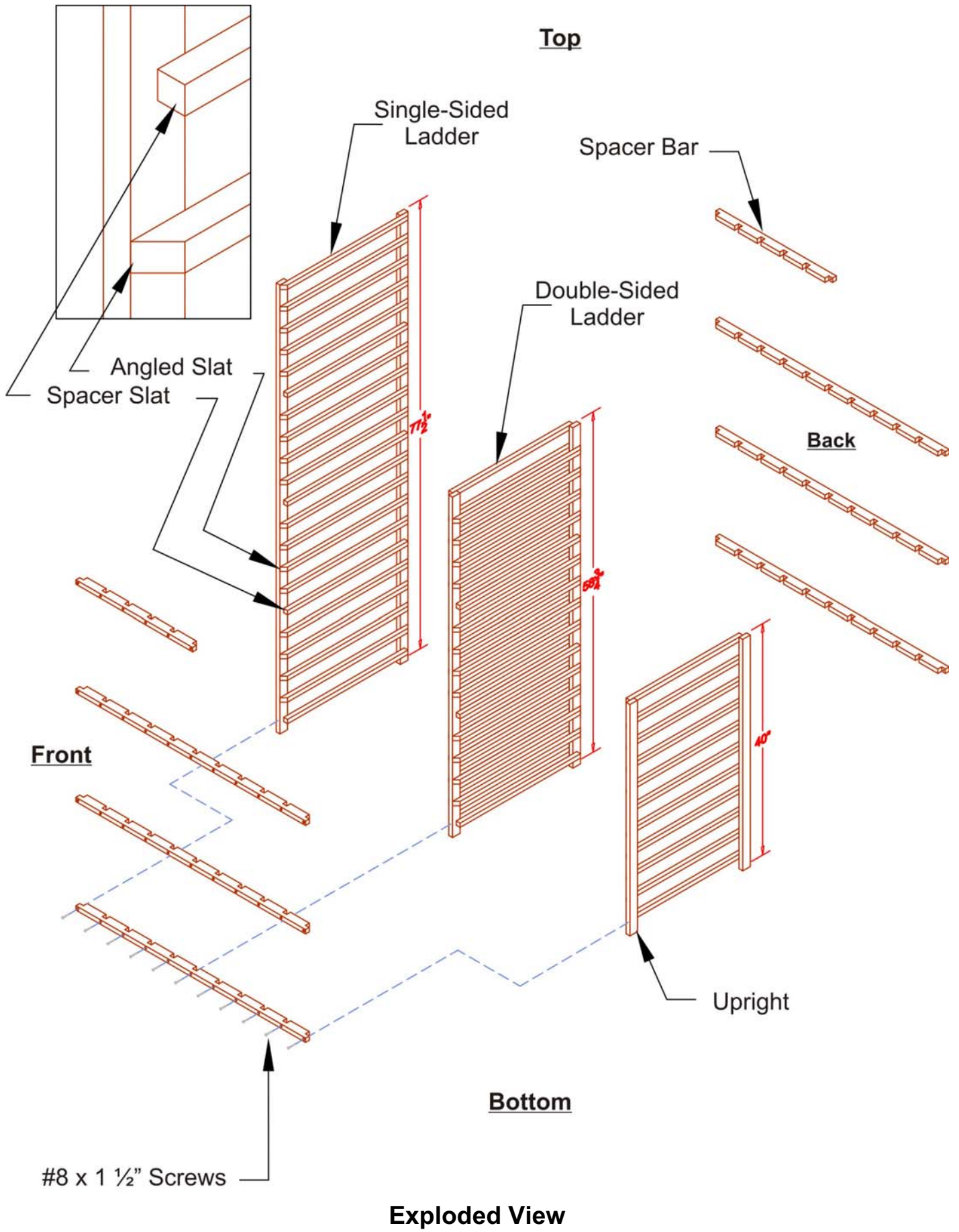
**Remove Dust:** Dust build up from small airborne particles may scratch the surface if not removed correctly. Simply wipe the surface with a cloth dampened with a cleaning polish or mild detergent.

**Clean:** Fingerprints, cooking fumes, smoking residue, etc., accumulate on any surface. None of these contaminants will harm our Clear Guard™ finish, but they should be periodically removed to restore the finish to its original luster. Just wipe the surface with a cloth dampened with a non-wax containing polish or mild detergent solution. Avoid the use of ammonia based products or silicone oil, as they may cause damage if used over a long period of time.

Our Clear Guard™ finish is durable and resistant to most household spills. However, spills should be wiped up promptly to avoid potential problems.

Excessive prolonged exposure to direct sunlight, high temperatures and high humidity can cause damage to both the finish and the wood itself. These should be avoided.

Following these simple steps will keep your finished wine racks looking like new for many years.

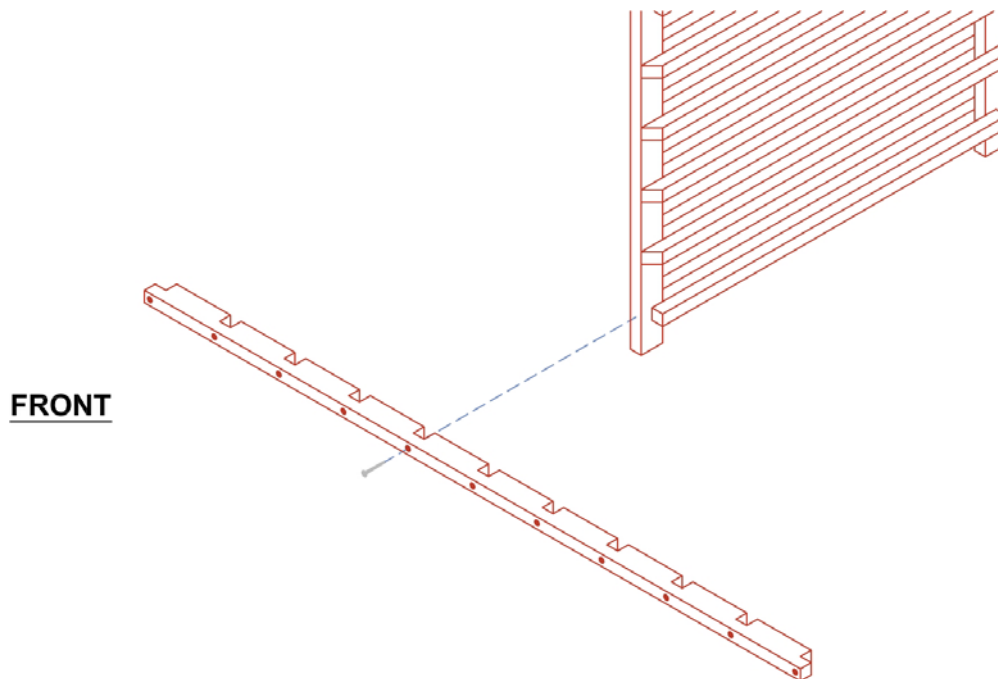


## Steps to Assembly

Please see notes in instructions for special steps on assembling racking without pre-drilled holes.

1. Locate your middle double-sided ladder. Notice that each ladder has a different height (**See Parts List**). Be aware of your ladders descending in size or ascending in size while you put your cascade together. You will notice that the top of the ladder has horizontal slats flush with the top of the uprights, while the bottom slats are set in  $1\frac{3}{4}$ " from the bottom of the uprights (**See Exploded View**). The other piece you need to locate is one of the 10 column spacer bars.

2. Set your middle double-sided ladder (62  $\frac{3}{8}$ " long) on the floor and fit your spacer bar on the front upright of your ladder by placing the dados (or grooves) of the spacer bar onto the upright (**Figure 1**). It may be necessary to tap the spacer bar lightly with a soft-faced hammer to fit, taking care to align the spacer bar vertically with the spacer slat behind it.



**Figure 1**

3. Pre-drill a screw hole through the pre-drilled hole provided in the spacer bar and into the ladder upright using a  $\frac{9}{64}$ " drill bit. Change to the square drive bit and drive a screw into the pre-drilled hole. Be sure that the screw head sinks below the surface.

**Note:** For racks without pre-drilled holes, attach spacer bar using nail gun in step 3.

4. Take the double-sided ladder that is the next size down. Setting it on its back to the right of the first one, slide it into the next open middle dado (or groove). Align the spacer bar with the spacer slat as before. **\*\*Pre-drill through your screw hole and then secure with one of the screws provided.**

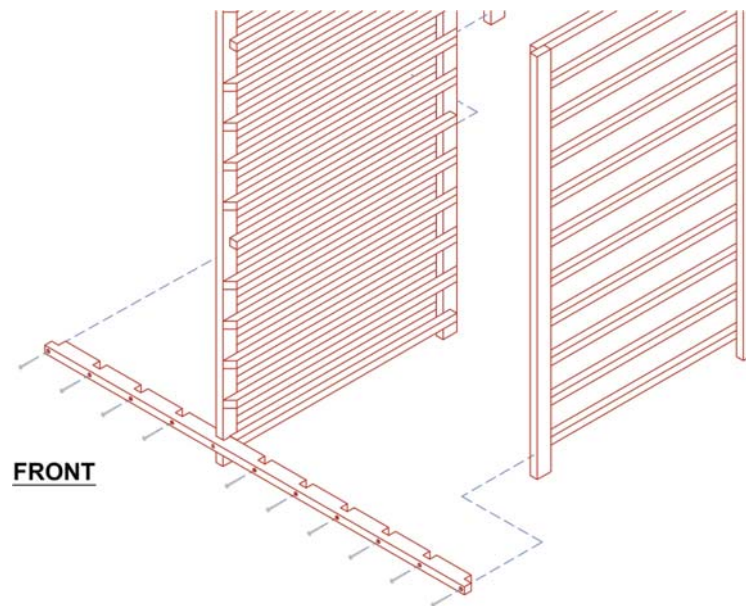
**\*\*Note:** For racks without pre-drilled holes, attach spacer bar using nail gun in step 4.

5. Repeat step 4 until all (4) double-sided ladders are in place on the right side of your center ladder.

6. Repeat step 4 until the (4) tall double-sided ladders are in place, ascending in size from the left side of your center ladder.

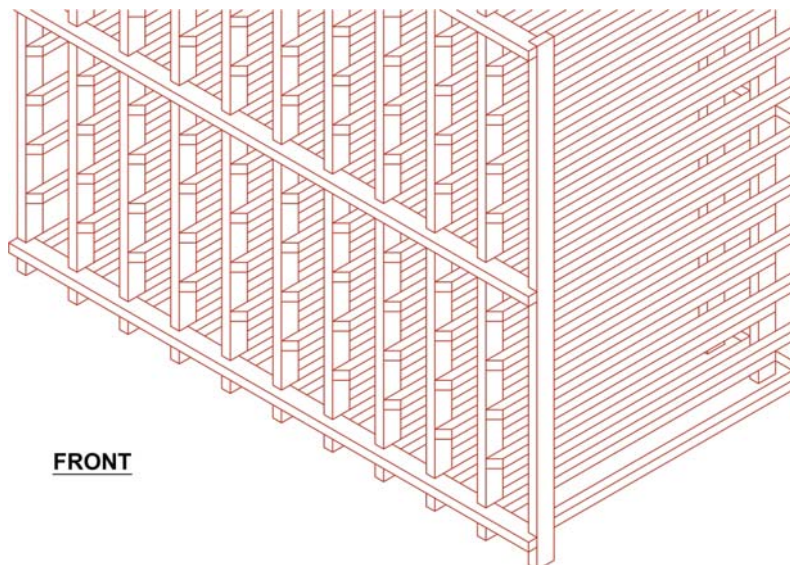
7. Set the two single-sided ladders on the floor and into the open end rabbet (or slot) locations (**Figure 2**). Make sure that the slat sides of the ladders face inward toward the other ladders. Align the spacer bar at the spacer slat location. **\*\*Pre-drill through the existing screw holes on your spacer bar and into the ladder uprights. Secure both ladders with screws as before.**

**\*\*Note: For racks without pre-drilled holes, attach spacer bar using nail gun in step 7.**



**Figure 2**

8. At this point all (11) ladders should be attached to the spacer bar (**Figure 3**). Set another spacer bar over the next spacer slat location tapping gently with a hammer to ensure a proper fit on all uprights.



**Figure 3**

9. Align the spacer bar with all the spacer slats behind it. **\*\*Pre-drill through the existing screw holes in your spacer bar and into the uprights. Secure with the screws provided.**

**\*\*Note: For racks without pre-drilled holes, attach spacer bar using nail gun in step 9.**

10. Continue adding spacer bars. Your top and last spacer bar will be a 5 column spacer bar (**See Finished Cascade**). Repeat steps 7 & 8, until all spacer bars have been attached.

11. Carefully flip the assembly onto its other side. Attach the remaining spacer bars to the back in the same manner as the first side. Be sure to align all spacer bars with the spacer slat locations and pre-drill your screw holes into the uprights before attaching with screws.

**\*\*Note: For racks without pre-drilled holes, attach spacer bar using nail gun in step 11.**

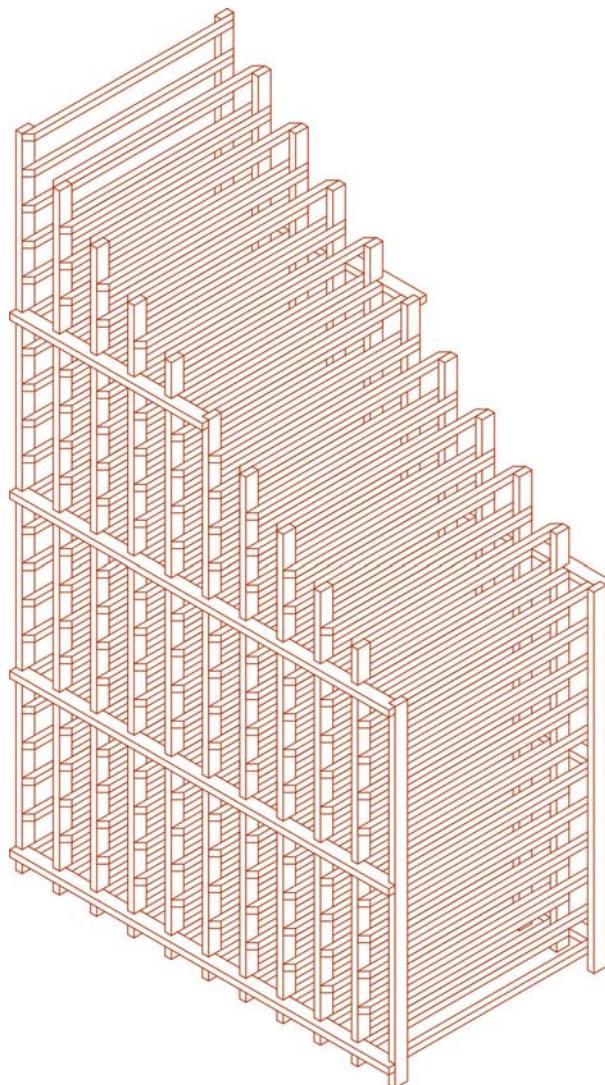
12. Stand your assembly up and place screw caps onto the heads of all exposed screws.

**Note: No screw caps are needed when nail gun is used.**

13. Your rack is now complete and ready to be moved to its final location. The rack should be placed with its back against a wall and be shimmed to level, front to back and side to side.

14. Attach your rack to the wall by drilling through the back upright and into two wall stud locations then fasten securely with wood screws (not provided). If you are attaching your cascade to adjacent racking you will need to attach filler strip to the back uprights using wood screws (not provided). Pull the cascade forward so that the filler strip and uprights of the adjacent rack are flush. Secure with finish nails (not provided) through the adjacent racking uprights and into the filler strip.

*\*\*Failure to attach the rack to the wall could result in the rack tipping over. When fully loaded with wine your rack will weigh 950lbs.*



**Finished Cascade**

*Additional installation questions?*  
*Contact us:*



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