

## **CHAPTER 5. ROCK WALL ADD-ON**

### **Required materials**

- Rock Wall Pieces and hardware (12 pieces w/ hardware)
- (1) 4x4x12' cut to (2) 4x4x6'
- (6) 2x6x10' cut to (12) 2x6x5'
- (48) 8x2-1/2" decking galvanized decking screws
- (2) 3/8x4" galvanized lag screws w/ washers

### **NOTES:**

The angle on the side supports assumes that your yard is level between the fort and where the rock wall will rest. If not, adjustments will need to be made to the angle to insure a flat fit against the fort posts.

Remove the lower wall support (2x6) and the fort wall boards from the upper wall support (2x4). Remove this entire assembly. Leave the top support board on.

You may want to attach about 1/2 of the wall boards and then prop up against the back side of the fort -- the wall will be very heavy when all of the boards are attached. **DO NOT ATTACH THE TOP BOARD YET.**

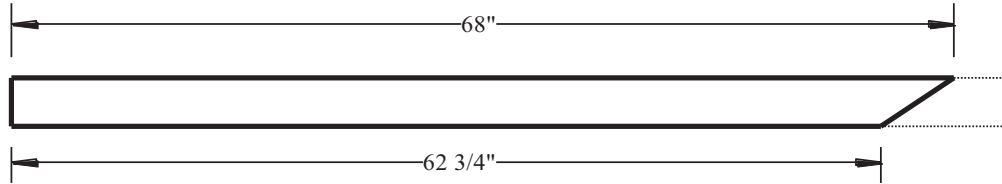
Lean the completed rock wall against the back fort posts. The top of the rock wall side supports should be about 2" above the fort floor height. Measure along the side support about 3-1/2" from the top, and use the 7/16" bit to drill through the wall support, but not into the fort posts. Use the 1/4" bit to drill a pilot hole into the fort posts for the lag screws. Finally, use the 1-1/8" bit to drill a countersink for the bolt head. Insert and tighten the lag screws. Attach the top wall board over the lag screw heads.

Replace the floor board that had been ripped to size when you built the fort floor for your swingset with a new floor board that fills the gap.

You should consider your children's age and ability when laying out the rock wall pieces (spacing and pattern). In general, you will want to alternate foot and hand holds that will allow your children to easily climb up the wall. When you have decided on a pattern, mark and drill the holes for the bolts using a 3/8" drill bit. Hammer the t-nuts into the hole exits, hammering the spikes of the t-nuts into the wood. Attach the rock wall pieces to the wall by screwing the bolts into the t-nuts.

# Diagram 1. Rock Wall Construction

## 1A. Cut Side Support Posts (4x4x6')



## 1B. Attach Wall Boards (2x6x5')

\* Before attaching top board, attach side posts to fort w/ 3/8"x4" lag screws

