ASSEMBLY AND INSTALLATION INSTRUCTION MANUAL

**IMPORTANT**

To ensure a successful installation, you must read this entire booklet before assembling The Murphy Door. This will ensure you have a quality, long-lasting product.

Congratulations on your purchase of the most innovative idea to redefine the use of a closet door – “The Murphy Door.” By following the assembly instructions, you can look forward to a long-lasting and useful experience with your new bookshelf. Whether in the den or in a bedroom, these doors provide you with the versatility and usefulness of what was once thought of as wasted space.

Your door unit has been shipped to you in one package. It should be noted that these materials have been veneered and can be easily damaged during shipping. Every effort has been made to ensure that each piece is protected and comes to you without flaws, scratches, or damages. If you notice any damage done to the package prior to your opening it, please contact us immediately. Do not proceed to unpack the product until you have contacted us. If you notice damage during the unpacking process, please make a note of the damage, and a replacement will be sent to you. Upon opening your Murphy Door packages, please take the time to inventory all the items. Inspect them for any and all flaws, damage or missing items. **REPORT FLAWS, DAMAGE OR MISSING ITEMS IMMEDIATELY.** The finish will scratch easily, so it is recommended that you only place the items on a carpeted floor or on a soft blanket if you are placing them on a hardwood floor.

Appendix A 49”Bi-Fold Cut Sheet

Appendix B 61”Bi-Fold Cut Sheet

Appendix C 73”Bi-Fold Cut Sheet
Following is a parts list for Bi-Fold door:

A. Four (4) vertical side veneered on two sides
B. Two (2) back panels
C. One (1) threshold rack
D. Two (2) valance sides
E. One (1) valance front piece
F. Six (6) permanent shelves (with holes for KD pins)
G. Eight (8) adjustable shelves
H. Six (6) Shelf Aprons / Toe Kicks
I. One (1) small package of screws
J. One (1) valance filler
K. One (1) Valance Cleat
L. One (1) Valance lid
M. Three (3) Finish Face

WOOD PARTS NEEDED FOR ONE SECTION ONLY
(ALL DOORS NEED TWO SECTIONS)

(FOR EXACT SIZES SEE CUT SHEET)
Bi-Fold Door Hardware

Note: On the new 4/5/6 hardware tracks there is a small notch where to cut for a 4 or 5 ft door.

Following is a list of tools required for complete assembly:

- Rubber Hammer
- Power screwdriver or Phillips screwdriver
- Measuring tape
- Pencil
- Level (4’ preferred)
- Nail Gun 1”
Pay special attention to the following items as you assemble your Murphy Door. These are critical requirements you must follow during the entire process to ensure a quality, successful installation.

1. When installing the KD pins, if you are using a power or cordless screwdriver, make sure the torque setting is set to medium torque. Start at a low setting and increase the torque gradually to make sure you do not strip, twist or break a pin (rather than start at a high torque and strip the pins). If you damage a pin, you will need to reorder a new side. These pins cannot be removed or replaced. Serious damage to the door, as well as injury to you, could result if you try to remove the pins.

2. Carefully follow the steps in order. Every effort has been made in the manual to guide you systematically through the installation resulting in your ability to completely assemble your own door system. Pay special attention to all critical measurements and alignments. We cannot guarantee the product if you fail to follow these procedures.

**ACCIDENT AND SERIOUS INJURY COULD RESULT BY FAILURE TO FOLLOW THIS ASSEMBLY MANUAL.**

If you have any problems during the assembly of THE MURPHY DOOR, please do not hesitate to call Customer Support at 1-801-991-0875.
Step 2.1: Lay all parts on a soft, flat but solid surface (carpeted floor works best). Lay the vertical sides so holes are facing each other.

Step 2.2: Screw KD pins into bottom-most and top-most holes of each vertical side. (Use caution when inserting. If using power screwdriver, set for medium torque. If you strip a pin out or break one off, you will need to order a new vertical panel.)

Step 2.3: Measure 36” from the bottom of the vertical panel and place KD pins in these holes. Make sure both sides are in the same location. (This is the center shelf support.)

Step 2.4: Lay three (3) permanent shelves on a soft, but solid surface. Lay the shelves so that the holes for the KD pins are facing up. (Do not lay shelves on each other or on side panels).

Step 2.5: Align KD pins so that the openings are facing outward toward the edge of the shelf. Using firms blows with a rubber hammer. This will insert KD pins so they are flush with the shelf.
**Step 2.6:** Take one shelf and insert it on the bottom KD pins. Using a Phillips screwdriver, twist the KD pins to lock the shelf in position. There should be no gaps between the shelf and the vertical. Do not use a power screwdriver to lock the KD pin into place. This can pull the pin out of the vertical side, in which event; you will be to replace the vertical side.

**Step 2.7:** Repeat Step 6 for the middle shelf and for the top shelf. Notice that KD pins will face upwards on the top shelf, opposite the other two shelves.

**Step 2.8:** With one side completely attached to the shelves, set the completed unit aside. You are now ready to attach the second side.

**Step 2.9:** Repeat Steps 1 through 8 for each shelf unit. Care should be taken to not scratch doors units when moving units.

PROCEED TO STEP THREE: ATTACHING BACK TO DOOR UNIT.
**STEP THREE: ATTACHING BACK TO DOOR UNIT**

**MATERIALS NEEDED:**
- 1 ASSEMBLED DOOR SECTION
- 1 BACK SECTION
- 12 #8 SCREWS
- 1 PIANO HINGE

**TOOLS REQUIRED**
- ELECTRIC DRILL OR PHILLIPS SCREWDRIVER
- 1/8" DRILL BIT (SUPPLIED)

**This list is for one section. Repeat this process for each section.**

**FINISHED SIDE DOWN**

**BOTTOM**

**PIANO HINGE SIDE**

**TOP**

**OUTSIDE EDGE**

**MARK CENTER OF ALL SHELVES (BOTH SIDES)**

**Step 3.1:** Lay the two shelf units facing front side down on solid padded surface. Make sure that the front banding is well protected. Identify the outer side of unit.

**Step 3.2:** Using a #2 pencil, mark the centers of all permanent shelves along the back edges of the sides for alignment.

**Step 3.3:** Place one back piece “B” (with finished side down), on the back of the shelves. At this point, it is critical that the bottoms and backs of both shelf units are aligned correctly.

**Step 3.4:** Locate the pre-drilled holes on all four corners. Use one (1) #6 x 1-1/4” screw in each corner. Once this is complete, again make sure the alignment is correct. If not, remove the screws, re-align (square) the parts and re-insert the screws.

**Step 3.5:** Continue placing screws into the back every 12”, **along the outer edges only**. On the inner edges, place one screw in the center and at both ends.

**Step 3.6:** Using a #2 pencil and a straight edge, mark a line along the back for the center of each shelf. Use the marks placed earlier on the sides.
**Step 3.7:** Using a 1/8” drill bit, drill four (4) holes along the centerlines from Step 6. Holes need to be a minimum of 2” from each end and equal distance across the backs. Once completed, use # 6 screws to secure back to shelves.

**Step 3.8:** Place both door units with inside edges facing each other. (These edges should only have screws on each end and one in the middle). Take a paper towel or clean rag and wipe the oil from the piano hinge. Lay the piano hinge so the raised portion is up between the two door units. Align the bottom of the hinge 2” up from the bottom of the unit. Use two (2) screws (one on each side) to secure the hinge. Repeat this at the top of the unit and again in the middle. Once this is complete, you will notice a gap that is 1/8” between the units. This is correct. Begin in the middle and stagger from side to side and place screws in the remaining pre-drilled holes.

**Step 3.9:** Using the 1/8” drill bit, pre-drill all remaining holes in piano hinge. (Caution should be taken to drill all holes straight to prevent splitting or exiting through finish products.) Again, using staggered method, start from the center of the door and work toward each end, placing screws in the holes you have just drilled. Once the hinges are installed, the door is complete.

**PROCEED TO STEP FOUR: INSTALLING TOE KICKS AND TOP PLATES.**
**STEP FOUR: TOE KICKS AND TOP PLATES**

**MATERIALS NEEDED:**
(1) COMPLETE DOOR ASSEMBLY
(6) 1-1/2" X 3/4" TOE KICKS
(12) 1-5/8" GRABBER SCREWS

**TOOLS REQUIRED**
TAPE MEASURE
POWER SCREWDRIVER OR PHILLIPS SCREWDRIVER

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**Step 4.1:** with the top door, units joined the piano hinge; you are ready to install the top and toe plates. Remember to keep the units on a soft surface to protect the finish.

**Step 4.2:** Collect and identify Part “H” (6 pieces 3/4” x 1-5/8”). (Finish banding on one side only.) Set two aside for bottom toe kick and two for middle shelves. (The pieces are identical.)

**Step 4.3:** Identify the top and bottom of the door unit. The middle shelf is 36” from the bottom of the unit. From this point on, it is critical to maintain top and bottom identification. Check both units to make sure they match. If not, the piano hinge was incorrectly installed. Stop here and go back to Step Three: ATTACHING BACK TO DOOR UNIT.

**Step 4.4:** With both top and bottom identified, you are now ready to install the top, middle and bottom kick plates. Begin with the bottom kick plate. Take one Part “H” and set the remaining kick plates aside for later usage.
Step 4.5: Align one Part “H” with the right side of the door unit. Locate the top so that it is 1/8” from the front of the shelf. Using 2” grabber screws, secure the place to the shelf, using the counter-sunk hole at the top. Align the bottom for the same 1/8” distance and again secure it with the 2” grabber screws. Caution should be taken so as not to set the screws too deep. This will split the plate and could come through the top of the shelf. If the plate splits, it will need to be replaced. Now, place one screw in the middle to secure it in place.

Step 4.6: Repeat Step 4.5 for the left side of the bottom and middle shelf and for the right and left side of the top plate. Once the top, bottom and middle plates are completed, CONTINUE TO STEP FIVE: HARDWARE LOCATIONS.
Step 5.1: It is critical to identify the correct location for all swivel pins and guides. This step identifies the swivel and stationary part of the door on the right-hand side looking into the closet area. If you desire the swivel stationary part to be on the left-hand swing, simply locate the parts accordingly to the opposite side. You have not yet stood the door unit upright. Simply identify the swivel side by laying the combined units on their back with the finished or open side facing up. Mark on the underside of the shelf the right and left side of the doors. They should be opposite each other. Now make the same marks on the top of the shelf unit.
Make sure all marks are completed because it is easy to get turned around from this point on. Installing the incorrect part in the wrong place could cause injury when you proceed to place the door unit into the track.

PROCEED TO STEP SIX: BOTTOM ROLLER ASSEMBLY.
Step 6: BOTTOM ROLLER ASSEMBLY

Materials Needed:  
(1) Complete Door Assembly  
(1) Roller Assembly Kit  
(10) #6x5/8" Wood Screws

Tools Required:  
Tape Measure  
Power Screwdriver or Phillips Screwdriver  
Electric Drill  
1/8" Drill Bit

Step 6.1: Locate the bottom assembly and collect all necessary parts as stated above. At this point, you should have determined if the door is right or left pivot. Mark the bottom of the door unit for the left and right side. This assembly will be made on the side of the door that will open (the non-pivot side).

Step 6.2a: New Hardware – Place the bottom roller in the front inside corner of the door unit.

Step 6.2b: Old Hardware - Measure 3/4” from the front inside edge of the door unit and place a mark on the bottom of the side.

Step 6.3: Place the roller assembly on the mark you just made. You will notice that the roller assembly is not setting flat. You will need to drill a hole for the bolt on the assembly. Hole depth should be 3/8” to allow the assembly to set flat on door unit. Make sure you align the back edge of the assembly to that mark. Use a 1/8” drill bit and pre-drill the four holes using the holes in the bracket at your guide.

Step 6.4: Using two (2) 3/4” pan head screws, loosely screw the roller assembly into place. Do not secure the screws until all screws are started.
**Step 6.5:** You will notice that the roller assembly should be 2” from the front of the door also. Now that the roller assembly is in place, take the 1/8” drill bit and pre-drill two (2) holes through the pre-drilled holes in the roller assembly and into the edge of the side panel. Be sure you are drilling at a correct 90° angle. If not, the screws can cause the side of the wood to split.

**Step 6.6:** Using two 2” grabber screws, screw the side down even with the side of the panel. Secure the screws to the underside of the bottom shelf.

**Step 6.7:** To recap this step, the roller assembly should be located at the bottom of the door unit opposite the piano hinge, and on the non-pivot side of the door unit. If the door is opening to the left, the assembly goes on the right side door unit. If it opens to the right, the assembly goes on the left side door unit. If this is incorrect, you must make the correction now or the door unit will not operate correctly.
**STEP SEVEN: BOTTOM PIVOT BRACKET**

**MATERIALS NEEDED:**
1) COMPLETE DOOR ASSEMBLY
1) BOTTOM PIVOT BRACKET
10) #6x5/8" WOOD SCREWS

**TOOLS REQUIRED**
TAPE MEASURE
POWER SCREWDRIVER OR PHILLIPS SCREWDRIVER
ELECTRIC DRILL
1/8" DRILL BIT

"THESE INSTRUCTIONS ARE FOR A TYPICAL RIGHT HAND SWING DOOR
ALL PARTS MOVE TO OPPOSITE SIDE FOR A LEFT HAND SWING DOOR"

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**Step 7.1:** Locate the bottom pivot bracket and other parts as indicated. This bracket will be mounted on the bottom shelf directly opposite the roller assembly in the previous step. This side now becomes known as the pivot side.

**Step 7.2a:** New Hardware – Place the pivot bracket in the front inside corner of the door unit.

**Step 7.2b:** Old Hardware - Measure 3/4” from the front inside edge of the door unit and place a mark on the bottom of the side.
**Step 7.3:** Using two (2) #6 x 3/4” wood screws, loosely attach the pivot bracket to the underside of the door unit. Do not tighten the screws at this time.

**Step 7.4:** You will notice that the bracket fits snugly into the corner of the shelf. You must apply slight pressure to get it to slide into place.

**Step 7.5:** Use the 1/8” drill bit and, using the bracket as a guide, drill two (2) pilot holes (approx. 1” depth) into the bottom edge of the shelf. Make sure you are drilling at a 90° angle or when you put the screws in, it could split the shelf unit.

**Step 7.6:** Using two (2) #6 x 1-1/4” wood screws, securely fasten the pivot bracket to the side panel. Tighten the two screws used to attach the bracket to the bottom of the shelf. Once this step is completed, proceed to **STEP EIGHT: TOP PIVOT BRACKET.**
STEP EIGHT: TOP PIVOT BRACKET

**MATERIALS NEEDED:**
(1) COMPLETE DOOR ASSEMBLY
(1) TOP PIVOT BRACKET
(6) #6x3/4" WOOD SCREWS

*THESE INSTRUCTIONS ARE FOR A TYPICAL RIGHT HAND SWING DOOR
ALL PARTS MOVE TO OPPOSITE SIDE FOR A LEFT HAND SWING DOOR

**TOOLS REQUIRED**
TAPE MEASURE
POWER SCREWDRIVER OR PHILLIPS SCREWDRIVER
ELECTRIC DRILL
1/8" DRILL BIT

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**Step 8.1:** Identify and collect the top pin guide and other parts as listed above. Note that you will be working on the top of the door unit. Correctly mark the top units as pivot side and non-pivot side. (The pivot side must be the same side on top and bottom.)

**Step 8.2:** if you find that the top pivot is not on the correct side for the correct opening, you can stop here, go back, and repeat Steps 6 & 7, mounting the hardware opposite of the way it is now.

**Step 8.3a:** New Hardware – Place the top pivot bracket in the front inside corner of the door unit.
**Step 8.3b: Old Hardware** - Measure 3/4” from the front inside edge of the door unit and place a mark on the bottom of the side. Make special note that the bracket mounts upside down to the previously installed bracket in this step.

**Step 8.4:** Using two (2) #6 x 3/4” screws align and loosely fit the bracket to the shelf using the two (2) pre-drilled holes as a guide. Do not tighten these screws at this time.

**Step 8.5:** Using the bracket as a guide, and using the 1/8” drill bit, pre-drill two (2) holes (approx. 1” in depth) into the end of the side panel. Use caution and drill at exactly a 90° angle to the door panel.

**Step 8.6:** Using two (2) #6 x 1-1/4” wood screws, secure in place the bracket using the two holes drilled. Tighten the other two screws into the shelf unit. Once this step is completed, proceed to STEP NINE: INSTALLING TOP ROLLER GUIDE.
**Step 9.1:** Identify and collect the top roller guide and other parts as listed above. Note that you will be working on the top of the door unit. Correctly mark the top units as pivot side and non-pivot side. (The pivot side must be the same side on top and bottom.)

**Step 9.2:** if you see that, the top roller guide is not on the correct side for the correct opening. You can stop and go back and repeat Steps 6 & 7, mounting the hardware opposite of the way it is now.

**Step 9.3a:** New Hardware – Place the top pivot bracket in the front inside corner of the door unit.
**Step 9.3b: Old Hardware** - Measure 3/4” from the front inside edge of the door unit and place a mark on the bottom of the side. Make special note that the bracket mounts upside down to the previously installed bracket in this step.

**Step 9.4:** Using two (2) #6 x 3/4” screws align and loosely fit the bracket to the shelf using the two (2) pre-drilled holes as a guide. Do not tighten these screws at this time.

**Step 9.5:** Using the bracket as a guide, and using the 1/8” drill bit, pre-drill two (2) holes (approx. 1” in depth) into the end of the side panel. Use caution and drill at exactly a 90° angle to the door panel.

**Step 9.6:** Using two (2) #6 x 1-1/4” wood screws, secure in place the bracket using the two holes drilled. Tighten the other two screws into the shelf unit. Once this step is completed, proceed to STEP TEN: INSTALLING BOTTOM.PIVOT GUIDE
STEP TEN: INSTALLING BOTTOM PIVOT GUIDE

MATERIALS NEEDED:
(1) THRESHOLD TRACK
(1) BOTTOM PIVOT GUIDE
(4) PANHEAD SCREWS

TOOLS REQUIRED:
ELECTRIC DRILL
PENCIL
1/8” DRILL BIT

(PFOR EXACT WIDTH, LENGTH AND DEPTH, SEE CUT SHEET)

**Step 10.1:** Begin to install the necessary hardware for the threshold of bottom of the door. Locate the threshold and pivot guide, along with the remainder of the items in the list above.

**Step 10.2:** Note that it does not matter what direction you place the track.

**Step 10.3:** The pivot guide has bushings on both sides. The smaller of the two (sticking up above the mounting plate) is considered the top.

**Step 10.4:** Measure 1” from the end of the track that is to be your pivot side, and place the edge of the bracket on the mark. Then pre-drill the holes.

**Step 10.5:** Using four (4) wood screws, secure the bracket into place. You may use a little wax or vegetable spray on the screws so they will go in a little easier. Use caution not to strip the screws or break the heads off by over tightening.

**Step 10.6:** remove the aluminum bar from the threshold, keep the screws, and bar together. Proceed to STEP TEN: INSTALLING THRESHOLD.
**MATERIALS NEEDED:**
(1) THRESHOLD TRACK W/ BOTTOM PIVOT GUIDE
(3) 3” GRABBER SCREWS

**TOOLS REQUIRED**
ELECTRIC DRILL
PENCIL
MEASURING TAPE

**STEP ELEVEN INSTALLING THRESHOLD**

**Step 1.1:** Locate all parts and tools as listed above. All dimensions or spacing shown are critical to within 1/8”.

**Step 1.2:** Measure 4-1/2” from the closest point on the wall (casing if applied) to the edge of threshold, then center the track with the door opening. If installing to a wood sub floor, remove the steel track. Place the three (3) 2” grabber screws in the three (3) pre-drilled holes.

**Step 1.3:** If installing on concrete, you should mark the holes on the floor, remove the threshold and, using a concrete bit, drill three (3) holes. This will work fine as long as they penetrate the concrete by at least 1” in depth.

**Step 1.4:** CAUTION! If you have carpet over cement, you must place the track where it needs to be, then take a razor blade and score the carpet around the track so when you drill through the carpet with the concrete bit, the carpet will not run past the track.
**Step 11.5:** Once the threshold is securely in place, you are ready to re-install the aluminum track to its original location using the screws you removed with it in the previous step. (NOTE: The center of track groove to the closest point of the wall or molding should measure 6 ½”) Proceed to STEP TWELVE: PUTTING VALANCE TOGETHER
**STEP TWELVE: PUTTING VALANCE TOGETHER**

*VALANCE ASSEMBLY*
*(USE 2 1/2” TO 3 1/2” GRABBER SCREWS)*

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**THE TOP TRACK IS HELPFUL IN PREVENTING WOBBLE AND FOR PUTTING A “BIND” ON A DOOR IF LOTS OF BOOKS ARE USED. THE “BIND” KEEPS THE DOOR FROM DRIFTING OPEN DUE TO EXCESS WEIGHT A CUSTOMER MIGHT PUT ON DOOR.**

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**Step 12.1:** Locate the pieces of the valance kit: one (1) aluminum top track; one (1) right side bracket; one (1) left side bracket; and up to three (1-3) center bracket.

**Step 12.2:** Locate the 3/4” x 2” hardwood from the cut list; lay it on a solid surface with the good side facing up. Take the right side and lay the bigger part of the bracket onto the wood, aligning the edge of the metal with the edge of the wood filler. Using the two (2) pre-drilled holes in the metal, you will need to pre-drill into the hardwood, then attach with two (2) 3/4” pan head screws.

**Step 12.3:** Repeat process in Step 2—but with the left side.

**Step 12.4:** Find the center bracket and place in the middle of the two (2) outside brackets that you have already attached to the hardwood cleat.

**Step 12.5:** Locate the aluminum top track. *Depending on what size door you are building you may need to cut the top aluminum track to fit inside the valance.* Depending on what side you have chosen to have your door open, take the top track and place over the non-pivot side directly over the big hole using the small 9/64” hole and the hole in the top track. Screw the track to the bottom of the metal top bracket. Take the track and secure it to the middle bracket, measuring 1-1/4” from the front of the bracket, and pre-drill with a 5/32” bit and using a 3/4” pan head screw.
Step 12.6: Now take your wood valance piece with the rabbit already done. With the back facing the smaller side of the metal brackets, overhang the wood 7/8” on both ends. Make sure that there is 1/2” of wood below the metal bracket and flush with the aluminum track.

Step 12.7: Now find the two sides of the valance and place on each side with the rabbit facing up. They need to match the valance face. Using a pin nailer, attach the front valance to the side and the side valance to the back of the solid wood filler.

Step 12.8: Install the valance to the wall, take the 1/4’ x 8-1/2” lid, place it to the top of the valance, and lay it in the rabbit area. Proceed to STEP THIRTEEN: INSTALLING DOOR.
**Step 13.1:** Get help with this step as you will be lifting the full weight of the door, which will be well over 100 pounds. Do not tighten any screws until told to do so or you will not be able to properly adjust the doors.

**Step 13.2:** With assistance, lift the entire door assembly with the top up. Lift door and set the bottom pivot post into the pivot guide on the threshold. Do not force the post into the guide. When installing, hold door as upright as possible. Now insert the roller assembly into the track.

**Step 13.3:** With assistance, hold the door as upright as possible and close the door holding it away from the wall. Now, in the closed position, rest the door against the wall. Get a step stool or ladder and place your valance to the top of the door. Install the pin onto the top pivot guide of the door.

**Step 13.4:** Now take four (4) pieces of 1/4” material and place between the valance and the top of the door. Now locate the studs and, using the 3/8” lag bolt, secure the valance to the wall. When completed, pull out the 1/4” shims and install the lid to the valance.

**Step 13.5:** Your door should now open and close using gentle force. If unit does not stay closed, refer to adjustments.
ADJUSTMENTS:

– If the door is grinding when opening and closing and you have to use force, pull up the aluminum track and tighten the middle and end screws, pulling it closer to the floor and allowing the swivel guide to float in the middle of the track.

– If the top of the non-pivot side of the door is not flush with the valance, loosen the top track and make the adjustment accordingly. If you are having problems after making these adjustments, call Customer Service at 1-801-991-0875.
### Appendix A

#### Wood requirements for 49” Bi-Fold Door:

- Two Sheets of plywood - 3/4" x 48" x 96"
- One Sheet of plywood - 1/4" x 48" x 96"
- One Hardwood Board - 3/4” x 3” x 49”
- One Hardwood Board - 1” x 3 1/2” x 49”

Following is a complete cut-list for complete 49” Bi-Fold Door:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Thickness</th>
<th>Width</th>
<th>Length</th>
<th>Description</th>
<th>Banding/Finishing</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3/4”</td>
<td>2-3/4”</td>
<td>49”</td>
<td>Filler</td>
<td>None</td>
</tr>
<tr>
<td>4</td>
<td>3/4”</td>
<td>8-1/4”</td>
<td>83”</td>
<td>Side verticals</td>
<td>Banded front edge and back edge with 1/4”w x 1/4” deep rabbit</td>
</tr>
<tr>
<td>6</td>
<td>3/4”</td>
<td>8”</td>
<td>23”</td>
<td>Fixed Shelves</td>
<td>Banded front edge</td>
</tr>
<tr>
<td>8</td>
<td>3/4”</td>
<td>7-15/16”</td>
<td>22-15/16”</td>
<td>Adjustable Shelves</td>
<td>Banded front edge</td>
</tr>
<tr>
<td>6</td>
<td>3/4”</td>
<td>1-5/8”</td>
<td>23”</td>
<td>Shelf Aprons</td>
<td>Banded 1 edge</td>
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<tr>
<td>2</td>
<td>3/4”</td>
<td>2-3/4”</td>
<td>8-1/4”</td>
<td>Valance Sides</td>
<td>Banded bottom edge opposite top with 1/4”w x 1/4” deep rabbit</td>
</tr>
<tr>
<td>1</td>
<td>3/4”</td>
<td>2-3/4”</td>
<td>49”</td>
<td>Valance Face with 1/4” Top Rabbit</td>
<td>Banded all 4 edges</td>
</tr>
<tr>
<td>1</td>
<td>3/4”</td>
<td>2-1/2”</td>
<td>47-5/8”</td>
<td>Valance Cleat</td>
<td>Hardwood for Valance Brackets</td>
</tr>
<tr>
<td>1</td>
<td>1”</td>
<td>3-1/2”</td>
<td>49”</td>
<td>Threshold track</td>
<td>Hardwood Center Groove 3/8” deep x 3/4” wide</td>
</tr>
<tr>
<td>2</td>
<td>1/4”</td>
<td>23-1/2”</td>
<td>83”</td>
<td>Backs</td>
<td>Finish both sides</td>
</tr>
<tr>
<td>1</td>
<td>1/4”</td>
<td>8-1/2”</td>
<td>48”</td>
<td>Valance Lid</td>
<td>Finish 1 side</td>
</tr>
</tbody>
</table>

** Put on back of valance if door has casing
(Door Casing Thickness may vary)
Appendix B

Wood requirements for 61” Bi-Fold Door:

Two Sheets of plywood - 3/4” x 48” x 96”
One Sheet of plywood - 1/4” x 48” x 96”
One Hardwood Board - 3/4” x 3” x 61”
One Hardwood Board - 1” x 3-1/2” x 61”

Following is a complete cut-list for complete 61” Bi-Fold Door:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Thickness</th>
<th>Width</th>
<th>Length</th>
<th>Description</th>
<th>Banding/Finishing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>3/4”</td>
<td>2-3/4”</td>
<td>61”</td>
<td>Filler</td>
<td>None</td>
</tr>
<tr>
<td><strong>4</strong></td>
<td>3/4”</td>
<td>8-1/4”</td>
<td>83”</td>
<td>Side verticals</td>
<td>Banded front edge and back edge with 1/4”w x 1/4” deep rabbit</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>3/4”</td>
<td>8”</td>
<td>29”</td>
<td>Fixed Shelves</td>
<td>Banded front edge</td>
</tr>
<tr>
<td><strong>8</strong></td>
<td>3/4”</td>
<td>7-15/16”</td>
<td>28-15/16”</td>
<td>Adjustable Shelves</td>
<td>Banded front edge</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>3/4”</td>
<td>1-5/8”</td>
<td>29”</td>
<td>Shelf Aprons</td>
<td>Banded front edge</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>3/4”</td>
<td>2-3/4”</td>
<td>8-1/4”</td>
<td>Valance Sides</td>
<td>Banded bottom edge opposite top with 1/4”w x 1/4” deep rabbit</td>
</tr>
<tr>
<td><strong>1</strong></td>
<td>3/4”</td>
<td>2-3/4”</td>
<td>61”</td>
<td>Valance Face with 1/4” Top Rabbit</td>
<td>Banded all 4 edges</td>
</tr>
<tr>
<td><strong>1</strong></td>
<td>3/4”</td>
<td>2-1/2”</td>
<td>59-1/2”</td>
<td>Valance Cleat Hardwood</td>
<td>Hardwood for Valance Brackets</td>
</tr>
<tr>
<td><strong>1</strong></td>
<td>1”</td>
<td>3-1/2”</td>
<td>61”</td>
<td>Hardwood</td>
<td>Hardwood Center Groove 3/8” deep x 3/4” wide</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>1/4”</td>
<td>29-1/2”</td>
<td>83”</td>
<td>Backs</td>
<td>Finish both sides</td>
</tr>
<tr>
<td><strong>1</strong></td>
<td>1/4”</td>
<td>8-1/2”</td>
<td>60”</td>
<td>Valance Lid</td>
<td>Finish 1 side</td>
</tr>
</tbody>
</table>

** Put on back of valance if door has casing
(Door Casing Thickness may vary)
Appendix C

**Wood requirements for 73” Bi-Fold Door:**

- Two Sheets of plywood - 3/4” x 48” x 96”
- One Sheet of plywood - 1/4” x 48” x 96”
- One Hardwood Board - 3/4” x 3” x 73”
- One Hardwood Board - 1” x 3-1/2” x 73”

Following is a complete cut-list for complete 61” Bi-Fold Door:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Thickness</th>
<th>Width</th>
<th>Length</th>
<th>Description</th>
<th>Banding/Finishing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>¾</td>
<td>2-3/4”</td>
<td>73”</td>
<td>Filler</td>
<td>Banded 4 side</td>
</tr>
<tr>
<td>4</td>
<td>¾</td>
<td>8-1/4”</td>
<td>83”</td>
<td>Sides</td>
<td>Banded 2 long with ¼ X ½ rabbit on back</td>
</tr>
<tr>
<td>6</td>
<td>¾</td>
<td>8”</td>
<td>35”</td>
<td>Fixed shelves</td>
<td>Banded 1 long</td>
</tr>
<tr>
<td>8</td>
<td>¾</td>
<td>7-15/16”</td>
<td>34-15/16”</td>
<td>Adjustable shelves</td>
<td>Banded 1 long</td>
</tr>
<tr>
<td>6</td>
<td>¾”</td>
<td>1-5/8”</td>
<td>35”</td>
<td>Shelf aprons</td>
<td>Banded 1 long</td>
</tr>
<tr>
<td>2</td>
<td>¼”</td>
<td>35-1/2”</td>
<td>83”</td>
<td>Backs</td>
<td>Finish both sides</td>
</tr>
<tr>
<td>1</td>
<td>¼”</td>
<td>8-1/2”</td>
<td>72”</td>
<td>Valance lid</td>
<td>Finish 1 side</td>
</tr>
<tr>
<td>2</td>
<td>¾”</td>
<td>2-3/4”</td>
<td>8-1/4”</td>
<td>Valance sides</td>
<td>Finish 4 sides w ½ W “x ½” Deep rabbit</td>
</tr>
<tr>
<td>1</td>
<td>1”</td>
<td>3-1/2”</td>
<td>73”</td>
<td>Solid wood</td>
<td>Center groove 3/8” deep X ¾” wide</td>
</tr>
<tr>
<td>1</td>
<td>3/4</td>
<td>2-1/2”</td>
<td>71-5/8”</td>
<td>Valance Cleat for steel bracket’s</td>
<td>Solid Wood</td>
</tr>
<tr>
<td>1</td>
<td>3/4</td>
<td>2-3/4”</td>
<td>73”</td>
<td>Valance face w/top rabbit</td>
<td>Banded 4 sides</td>
</tr>
</tbody>
</table>

** Put on back of valance if door has casing
(Door Casing Thickness may vary)