Create-A-Bed [®]LLC

NOTE: <u>DO NOT</u> deviate from these plans

These plans are for constructing an ADJUSTABLE

FULL VERTICAL BED using PLYWOOD material

If you are missing any parts or have ANY questions pertaining to materials

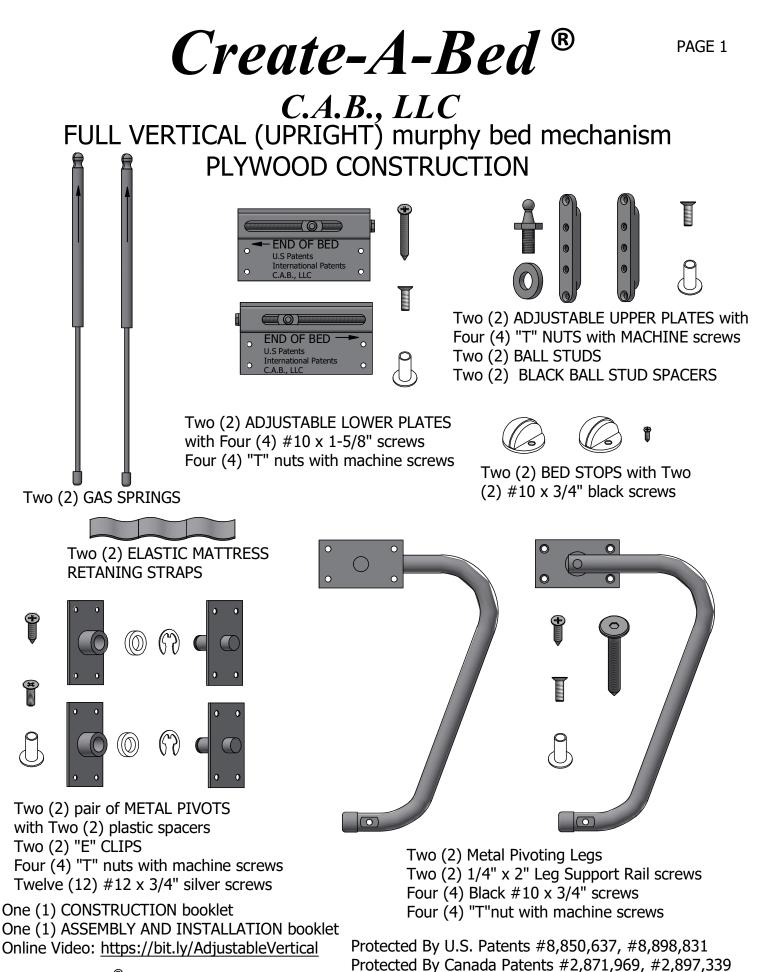
or construction please phone the manufacturer. TOLL FREE 1-877-966-3852

TOOLS NEEDED:

Power Drill Drill Bits: 1/8" 1/4" 5/16", 1" Forstner Bit, 5/8" Forstner Bit 3/4" Forstner Bit Power Saw, Table Saw or Circular Saw Jigsaw or Coping Saw Phillips-Head and Flat-Head Screwdrivers or Driver Bits for Drill Tape Measure #4 Allen Wrench Hammer Chisel Clamps Straight Edge or Framing Square Household Iron for Veneer Tape and Utility Knife 7/16" Socket, Wrench, or Driver 1/2" Wrench Stud Finder

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murphy bed mechanism 1800 Taylor Avenue Louisville, KY 40213 www.createabed.com TOLL FREE: 1-877-966-3852

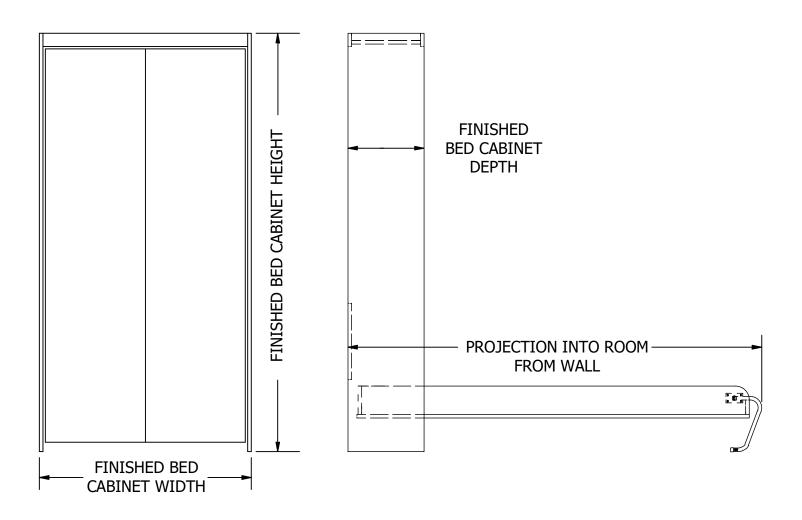


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Protected By Mexico Patent #351674

Protected By China Patent #ZL 201380032662.0

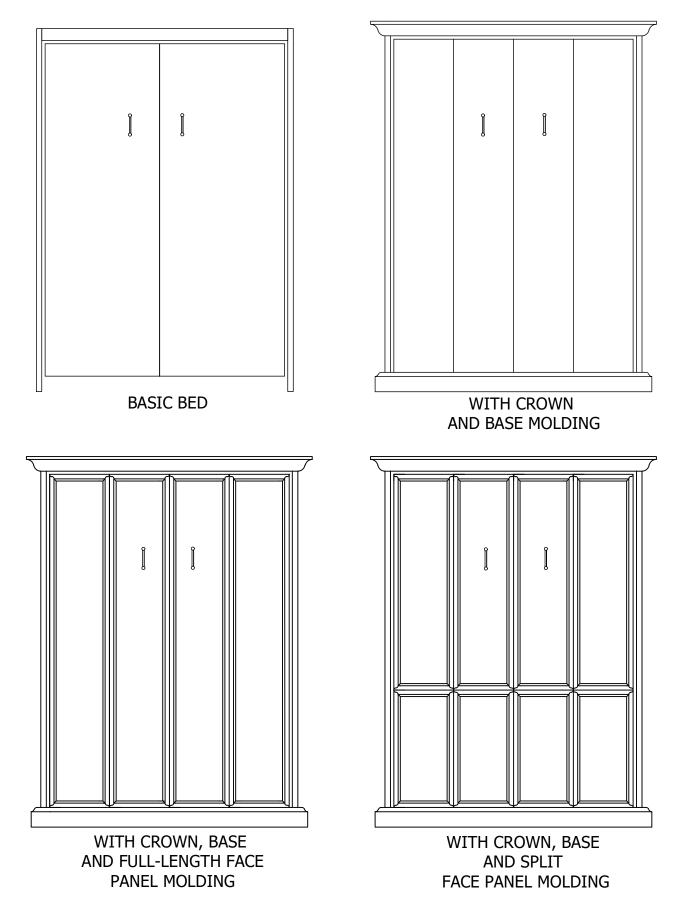
Out-to-out dimensions of **VERTICAL STYLE** murphy bed cabinet constructed using the *Create-A-Bed*[®] mechanism

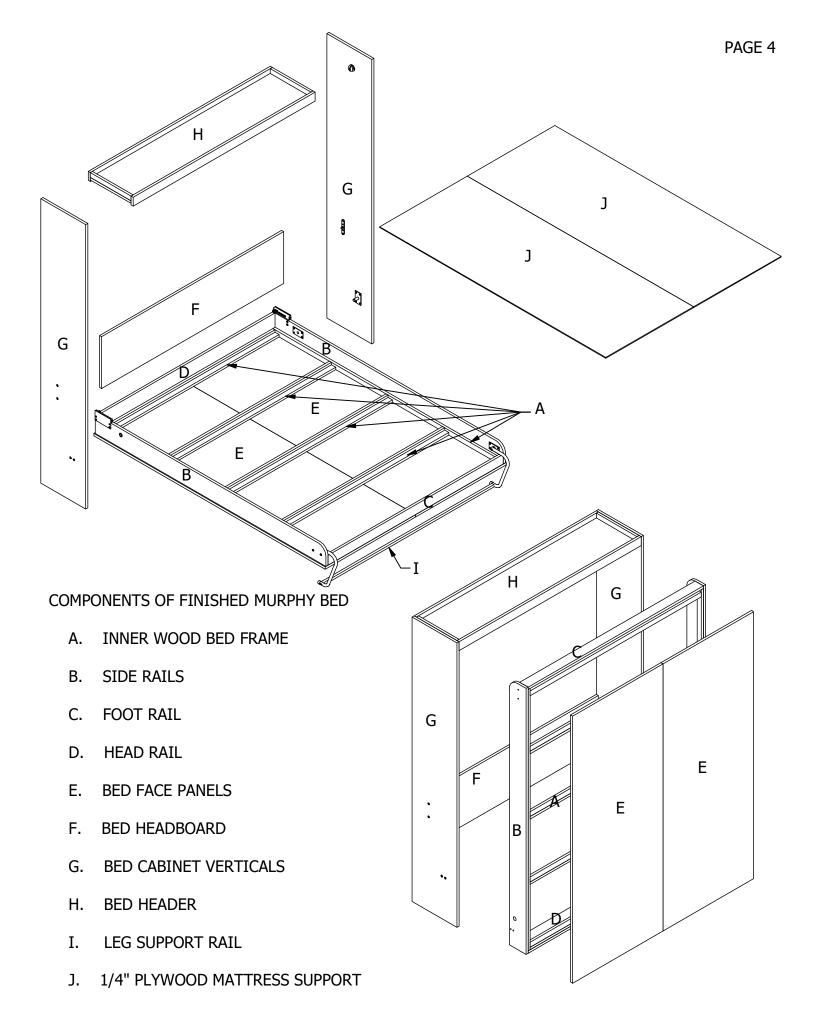


OUTSIDE-EDGE TO OUTSIDE-EDGE FINISHED VERTICAL BED CABINET DIMENSIONS

SIZE	HEIGHT	WIDTH	DEPTH	PROJECTION
TWIN	82-1/8"	44-7/8"	15-7/8"	83"
FULL	82-1/8"	59-7/8"	15-7/8"	83"
QUEEN	87-1/8"	65-7/8"	15-7/8"	87"

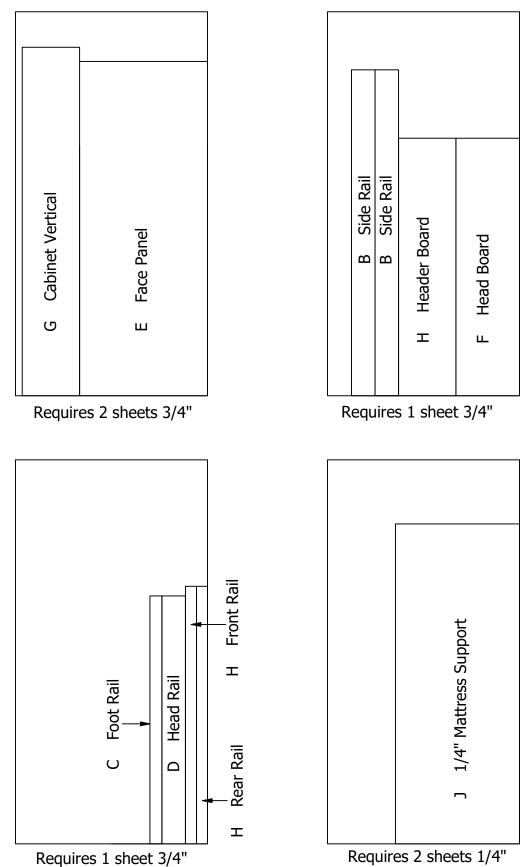
Some design options... or create your own!





FULL Size Vertical Plywood Cutting Guide

Requires: 4 sheets of 3/4" x 4' x 8' and 2 sheets of 1/4" x 4' x 8' NOTE: Refer to page 6 for the cutting dimensions.



FULL SIZE (double) ADJUSTABLE KIT VERTICAL BED WITH 3/4" PLYWOOD FACE PANEL BILL OF MATERIALS / CUT SHEET DO NOT SUBSTITUTE OTHER MATERIALS without calling Create-A-Bed toll-free FIRST

___ check off as completed

A. INNER WOOD	BED FRAME: *To be	e constructed of solid wood: poplar,	clear pine, maple, etc.*			
FRAME STRUTS:	*SOLID WOOD*	3/4" X 1-1/2" X 54-1/2"	10 pieces			
FRAME SIDES:	*SOLID WOOD*	3/4" X 1-1/2" X 75"	2 pieces			
INA						

IMPORTANT: PLYWOOD <u>M</u> B. SIDE RAILS:	<u>IUST</u> BE USED FOR THESE PIEC 3/4" X 5-7/8" X 76-1/2"	ES: 2 pieces
C. FOOT RAIL:	3/4" X 3" X 56"	1 piece
D. HEAD RAIL:	3/4" X 5-7/8" X 56"	1 piece
E. BED FACE PANEL:	3/4" X 29" X 76-3/4"	2 pieces
F. BED HEADBOARD:	3/4" X 15-7/8" X 58-3/8"	1 piece
G. BED CABINET VERTICALS:	3/4" X 15-7/8" X 82-1/8"	2 pieces
H. BED HEADER: HEADERBOARD: FRONT RAIL: REAR RAIL: MOUNTING CLEATS:* SOLID WOOD *	3/4" X 14-3/8" X 58-3/8" 3/4" X 2-3/4" X 58-3/8" 3/4" X 2-3/4" X 58-3/8" 3/4" X 1-1/2" X 14-3/8"	1 piece 1 piece 1 piece 2 pieces
I. Leg Support Rail:* SOLID WOOD *	3/4" X 3/4" X 54-1/4"	1 piece
J. 1/4" PLYWOOD mattress support:	1/4" X 28" X 75"	2 pieces
K. VENEER or MELAMINE TAPE:	13/16" X 75 feet	
L. WOOD GLUE:	One 8 ounce bottle	
M. FINISH NAILS:	1-1/2" 2"	box of box of
N. SCREWS:	#8 1-1/4" coarse thread#8 1-1/2" coarse thread#8 2" coarse thread	Box of 100 Box of 30 Box of 40

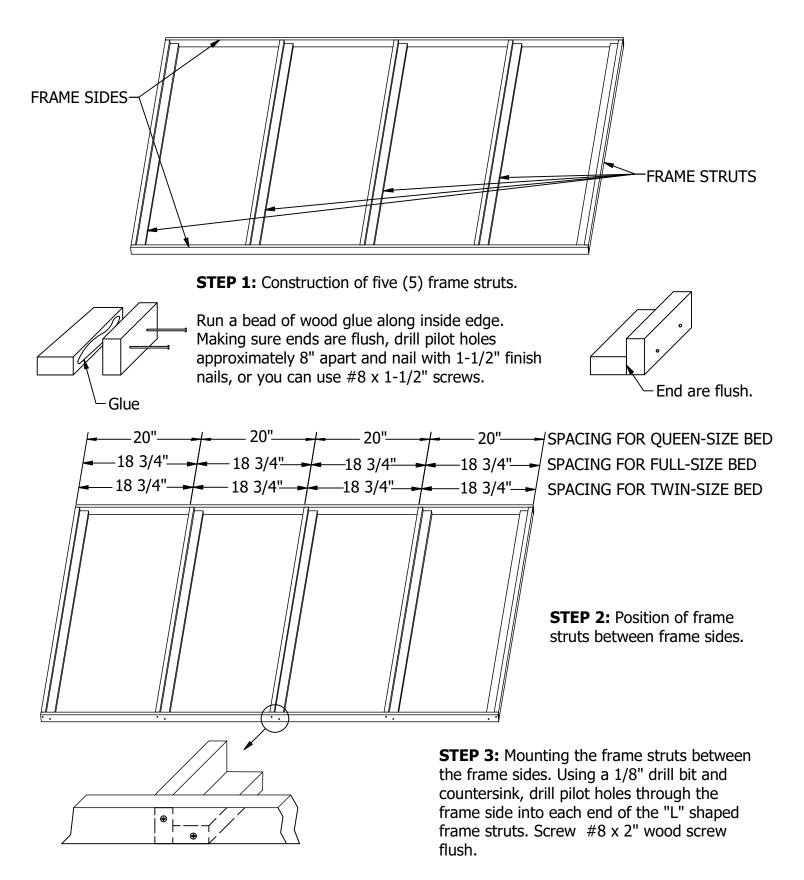
__O. DESIRED CABINET HANDLES OR PULLS

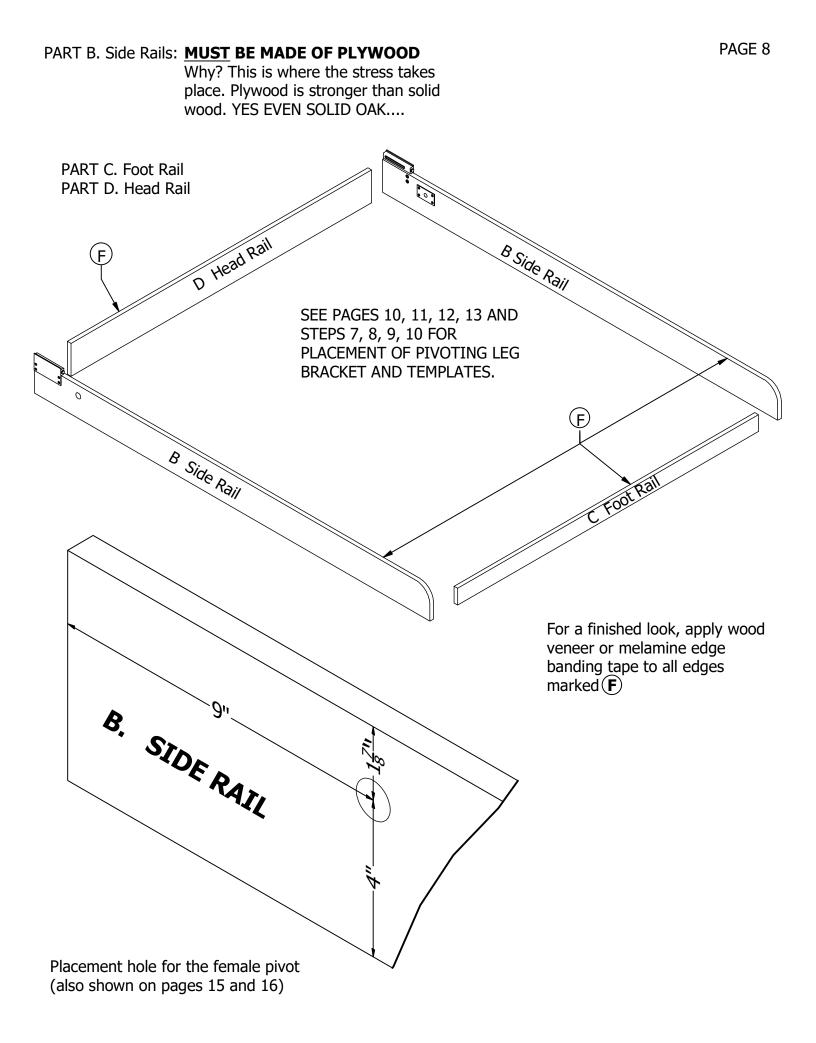
2 HANDLES

__P. MATTRESS MUST WEIGH between 50 - 65 pounds Your mattress dimensions must not exceed 54" x 75" Mattress thickness CANNOT exceed 12" in thickness – including pillow top.

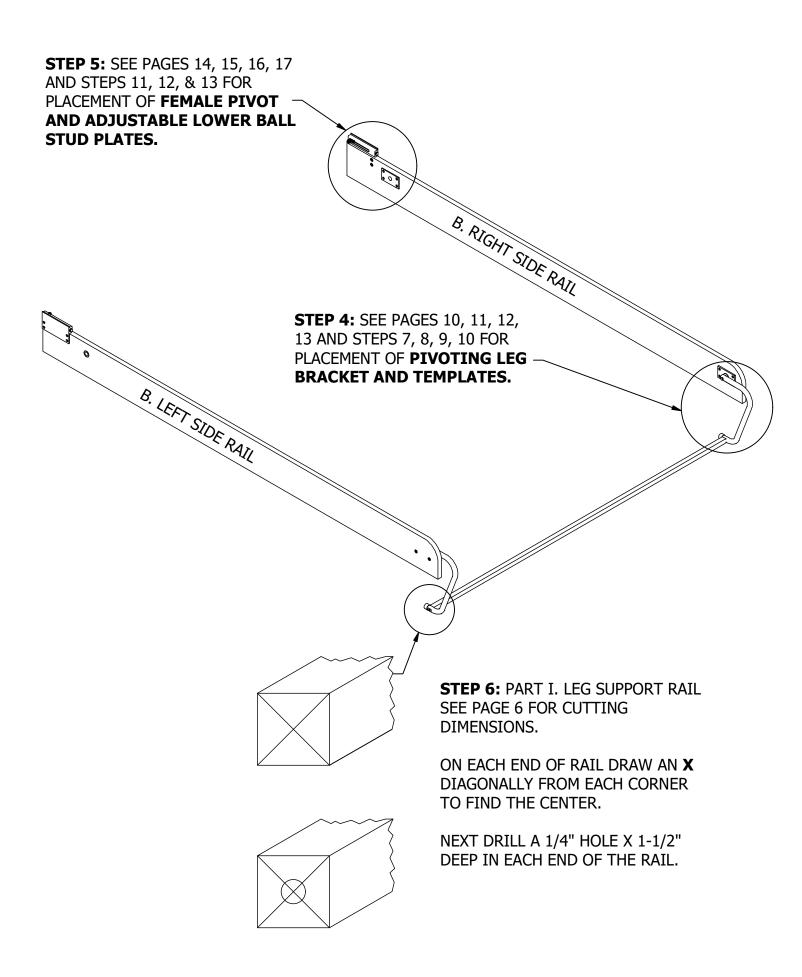
A. INNER WOOD BED FRAME

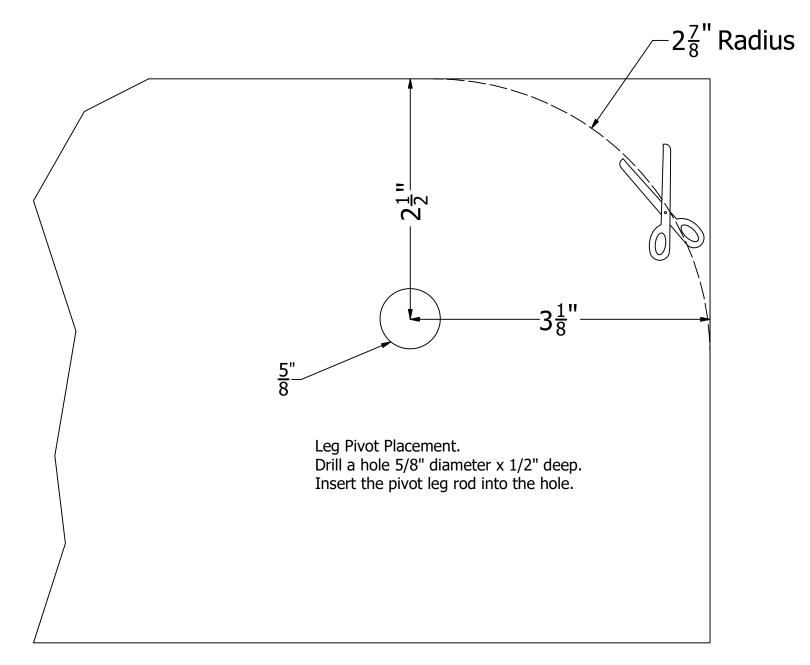
See Bill of Materials / Cut Sheet (PART A) for Twin, Full or Queen size frame struts and frame sides dimensions.



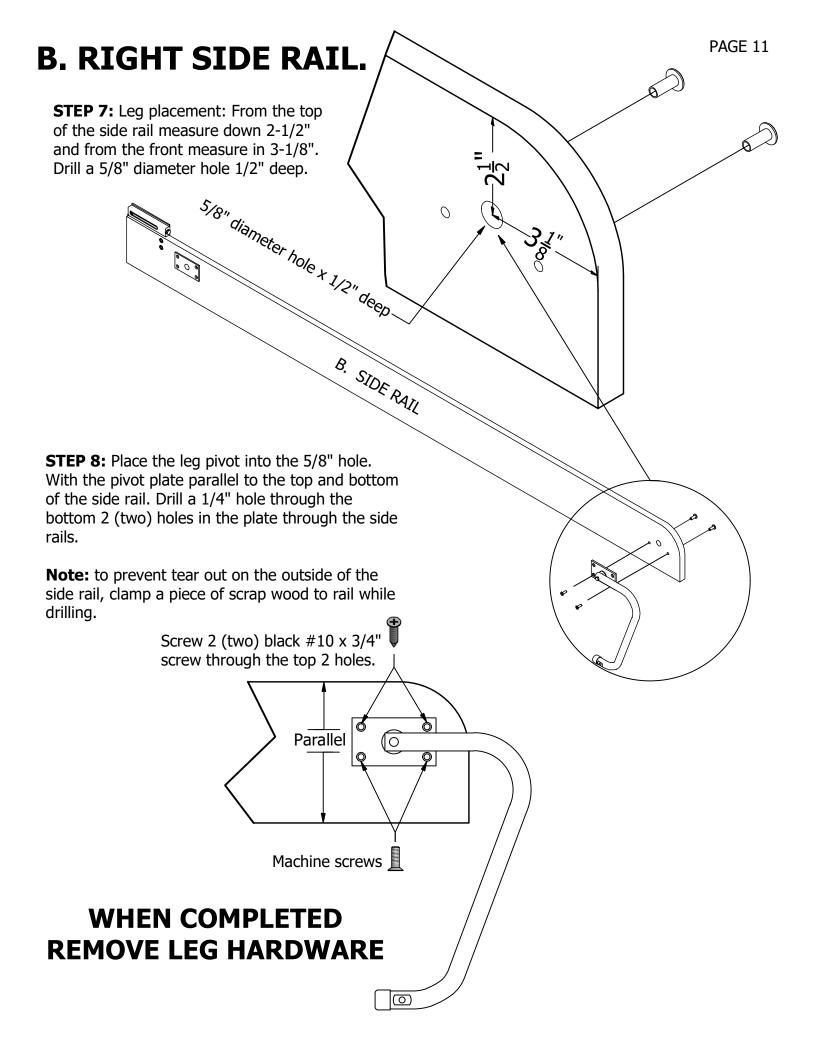


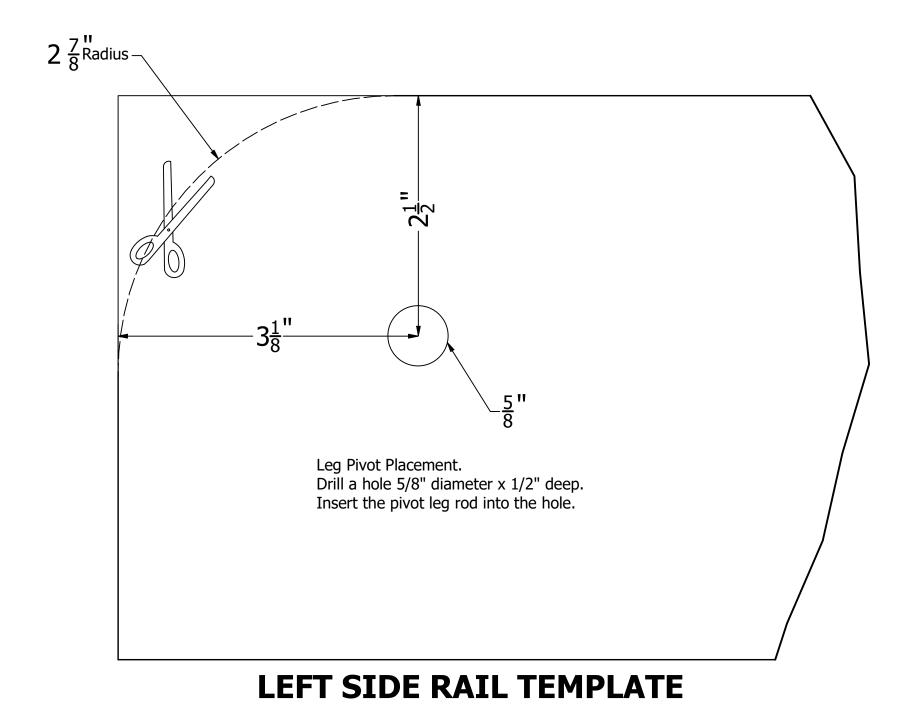
HARDWARE PLACEMENT FOR B. SIDE RAILS





RIGHT SIDE RAIL TEMPLATE





B. LEFT SIDE RAIL.

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B. SIDE RAIL

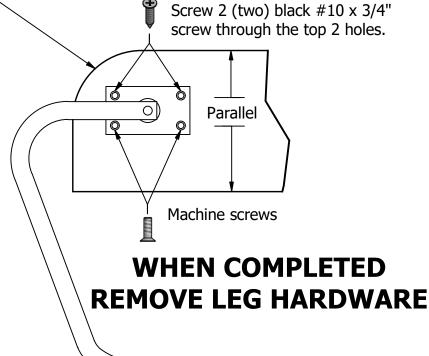
5/8" diameter hole X 1/2" deep

STEP 9: Leg placement: From the top of the side rail measure down 2-1/2" and from the front measure in 3-1/8". Drill a 5/8" diameter hole 1/2" deep.

> **STEP 10:** Place the leg pivot into the 5/8" hole. With the pivot plate parallel to the top and bottom of the side rail. Drill a 1/4" hole through the bottom 2 (two) holes in the plate through the side rails.

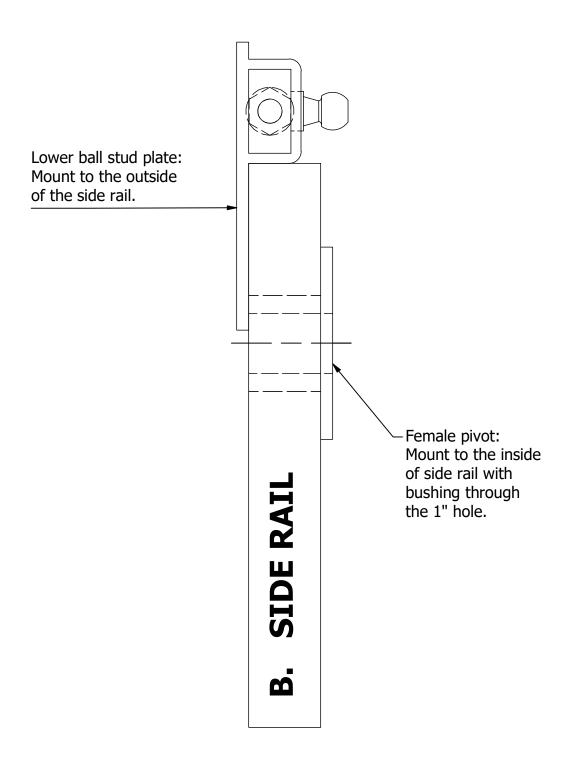
Note: To prevent tear out on the outside of the side rail clamp a piece of scrap wood to the rail while drilling.

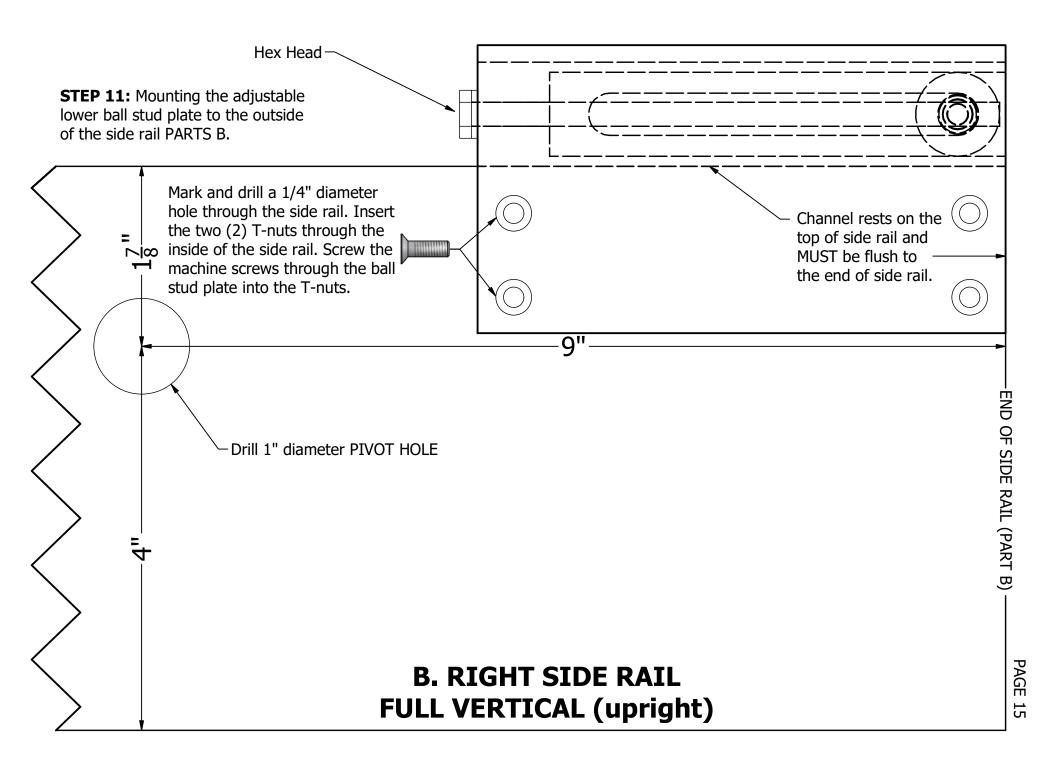
Screw 2 (two) black #10 x 3/4" screw through the top 2 holes.

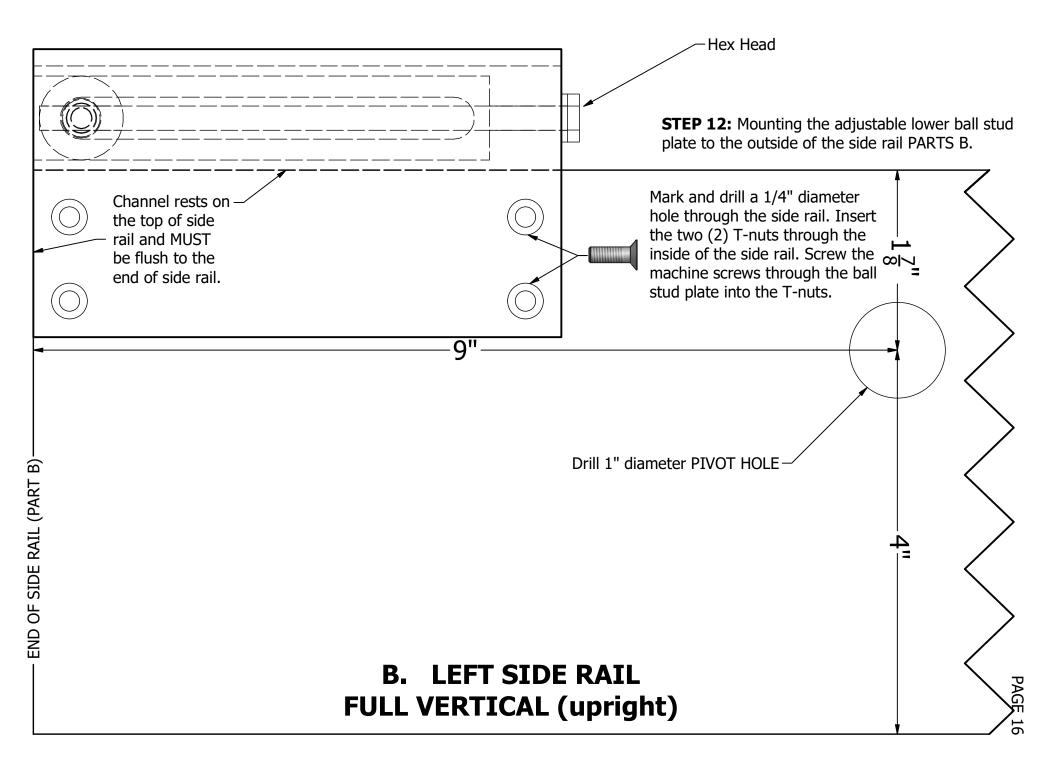


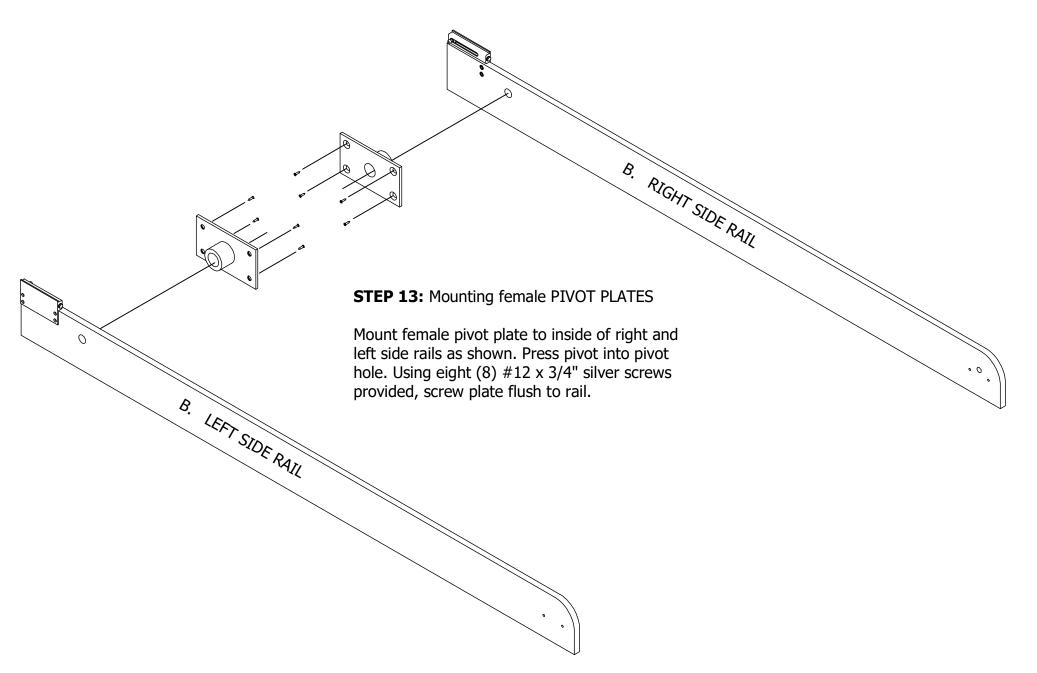
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This page pertains to the orientation and mounting positions of the lower ball stud plates and female pivots, **USE WITH PAGE 15, 16, & 17**

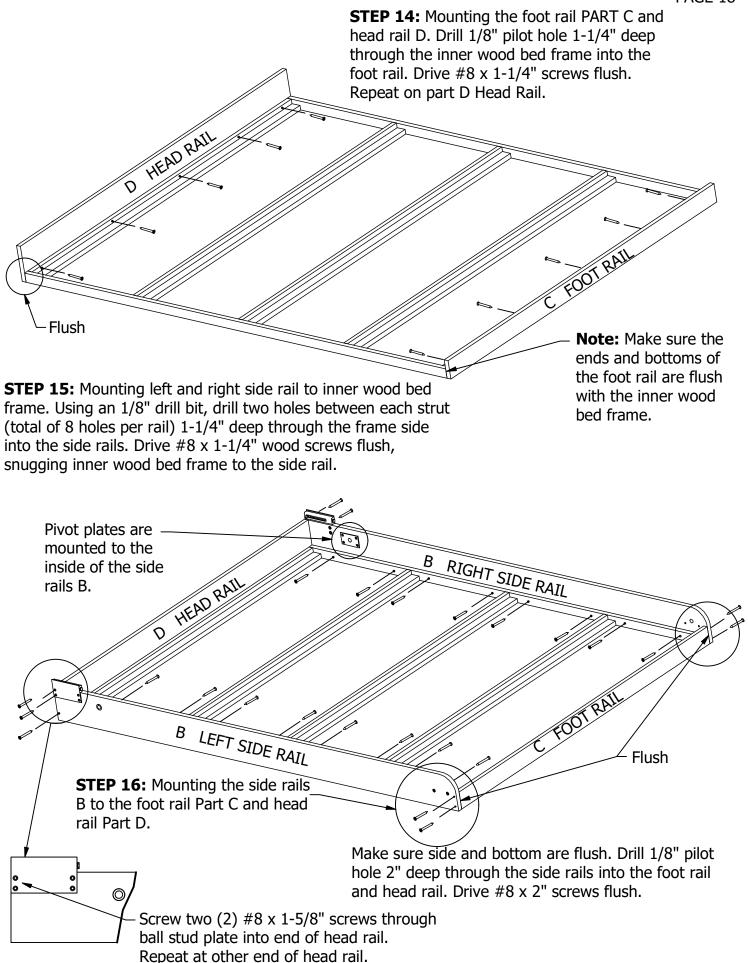








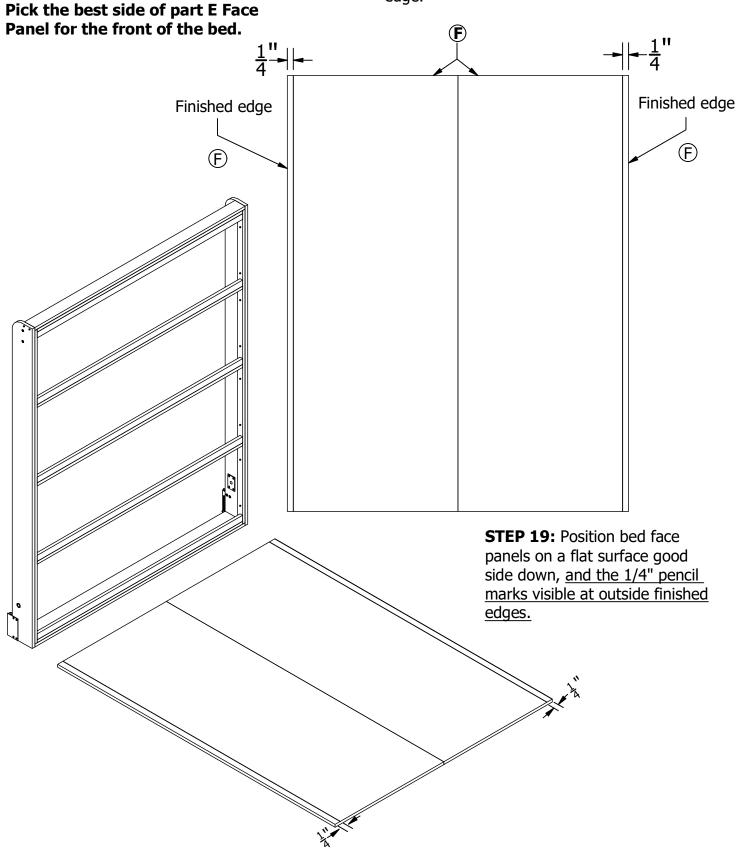
PAGE 17

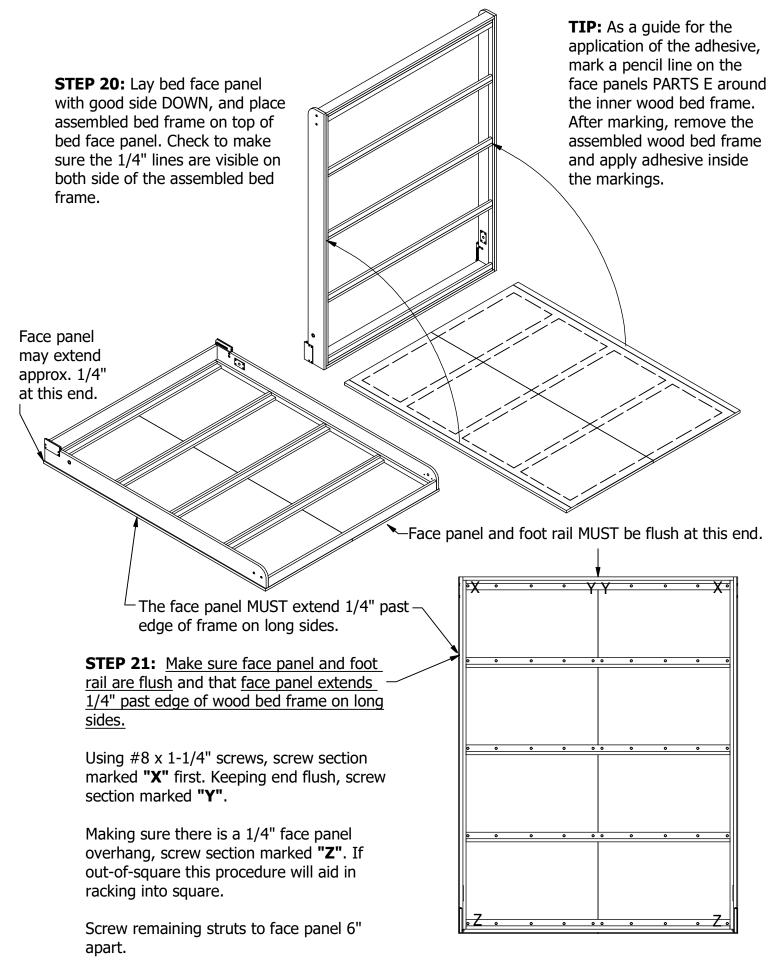


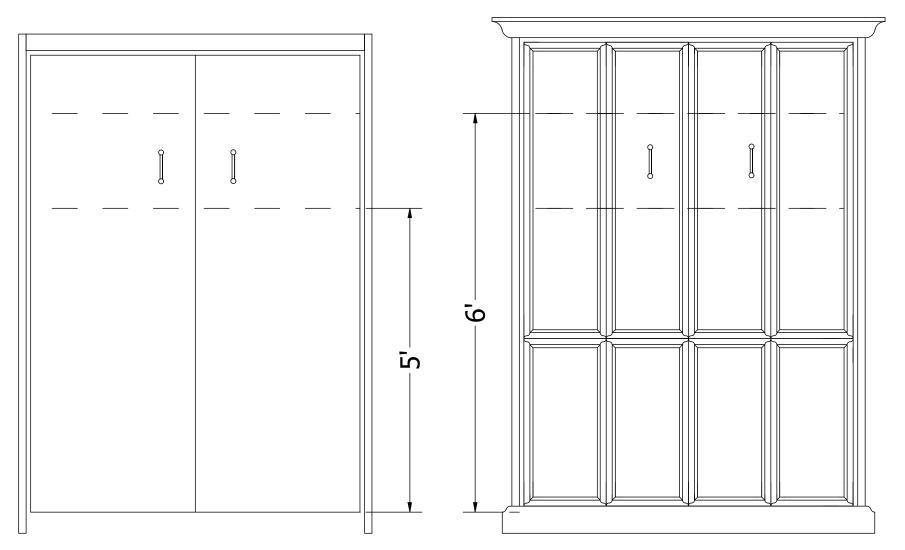
STEP 17:

NOTE: For a finished look apply wood veneer or melamine edge tape to all edges marked (\mathbf{F})

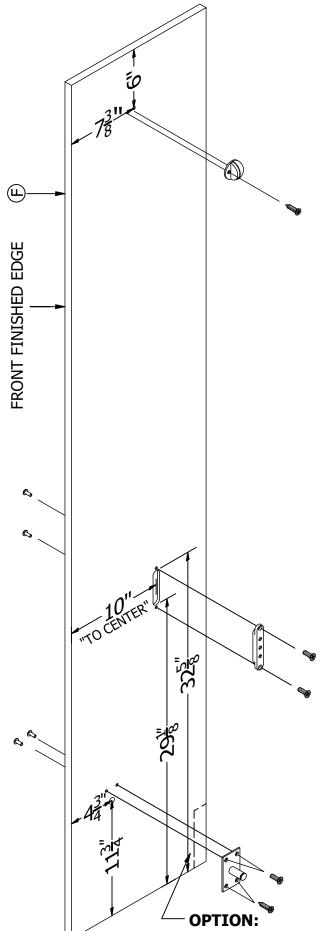
STEP 18: Turn face panels over. On back side, mark a 1/4" line the full length of the panel along finished long edge.







Placement of cabinet handles for optimal leverage should be between 5' and 6' on face panel PART E.



PART G: BED CABINET VERTICALS (LEFT) For Full Vertical (Upright).

NOTE: For a finished look, apply wood veneer or melamine edge tape to all edges marked (**F**.)

STEP 22:

BED STOP: Drill a hole 5/16" diameter x 1/2" deep. Insert the bed stop pin into hole and attach with a $#10 \times 3/4$ " black screw.

STEP 23:

ADJUSTABLE UPPER BALL STUD PLATE: Rout out 3/4" x 1/4" deep x 3-1/2" long and insert the adjustable upper plate into hole. Drill 1/4" holes through the mounting locations and secure with "T" Nuts and machine screws.

STEP 24:

MALE PIVOT PLATE: Drill a hole 5/8" diameter x 1/2" deep. Insert the 1/2" end of rod into hole. Drill two (2) holes 1/4" diameter through the vertical using the upper holes in the pivot plate as a guide. Tap "T" Nuts into two (2) upper holes from outside, then screw 1/4" machine screws through pivot plate into "T" Nuts. Screw two (2) #12 x 3/4" screws through pivot plate holes into vertical.

On left and right bed verticals, a cut can be made to accommodate existing base molding so cabinet will fit flush against the wall.

PART G: BED CABINET VERTICALS (RIGHT) For Full Vertical (Upright).

NOTE: For a finished look, apply wood veneer or melamine edge tape to all edges marked $(\mathbf{F}.)$

STEP 25:

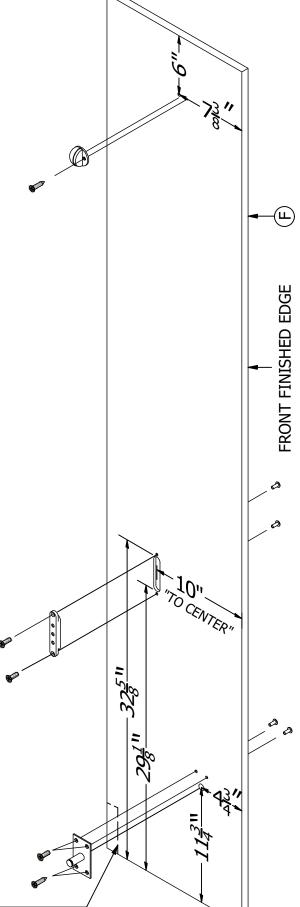
BED STOP: Drill a hole 5/16" diameter x 1/2" deep. Insert the bed stop pin into hole and attach with a $#10 \times 3/4$ " black screw.

STEP 26:

ADJUSTABLE UPPER BALL STUD PLATE: Rout out 3/4" x 1/4" deep x 3-1/2" long and insert the adjustable upper plate into hole. Drill 1/4" holes through the mounting locations and secure with "T" Nuts and machine screws.



MALE PIVOT PLATE: Drill a hole 5/8" diameter x 1/2" deep. Insert the 1/2" end of rod into hole. Drill two (2) holes 1/4" diameter through the vertical using the upper holes in the pivot plate as a guide. Tap "T" Nuts into two (2) upper holes from outside, then screw 1/4" machine screws through pivot plate into "T" Nuts. Screw two (2) #12 x 3/4" screws through pivot plate holes into vertical.

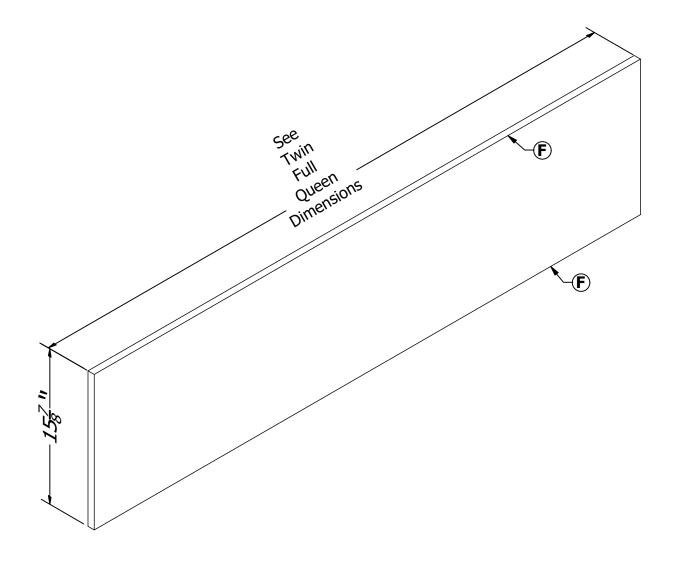


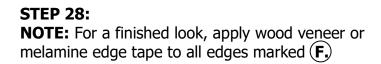
OPTION:

On left and right bed verticals, a cut can be made to accommodate existing base molding so cabinet will fit flush against the wall.

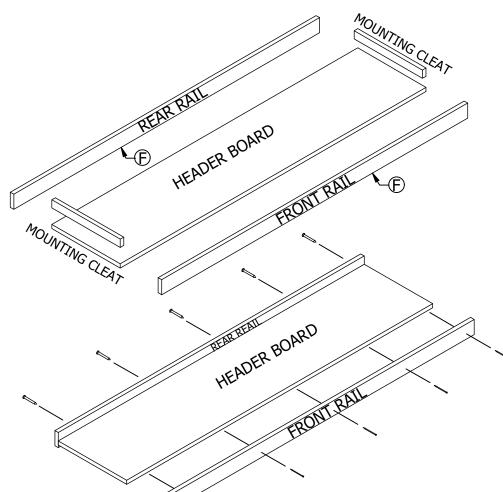
PAGE 24

PART F: BED HEADBOARD





PART H: BED HEADER COMPONENTS



NOTE: For a finished look, apply wood veneer or melamine edge tape to all edges marked **F**.)

STEP 30:

Using 2" finish nails, glue and nail front rail to header board, maintaining a 1/2" lip on underside lip of header board.



STEP 29:

Using #8 x 2" screws, glue and screw rear rail to header board, maintaining a 1/2" lip on the underside of the header board.

NOTE: REAR RAIL MUST BE GLUED AND SCREWED TO HEADER BOARD.

STEP 31:

Using #8 x 2" screws, glue and screw mounting cleats to header board between front and rear rails as shown.

NOTE: Be sure to drill pilot holes and counter-sink screws flush with the wood.

STEP 32: Remove all Hardware, sand & finish all components!

STEP 33: Now refer to the **ASSEMBLY BOOKLET** for assembling and installing your murphy bed.