Cream Colored Book

Create-A-Bed[®]LLC

NOTE: DO NOT deviate from these plans

These plans are for constructing an ADJUSTABLE

KING 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

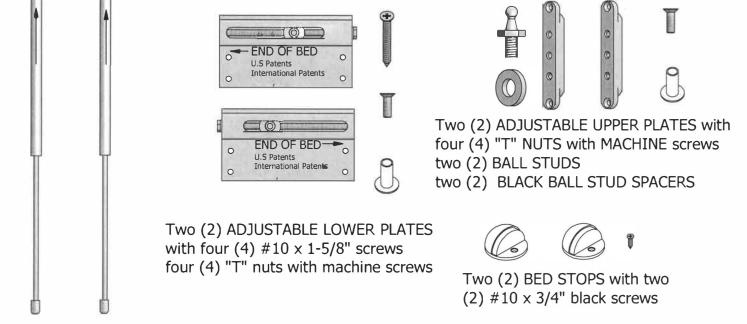
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murphy bed mechanism

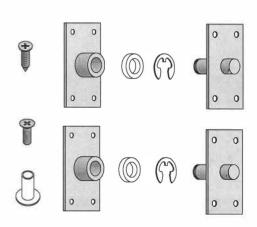
1800 Taylor Avenue Louisville, KY 40213 www.createabed.com TOLL FREE: 1-877-966-3852

Create-A-Bed[®] LLC^{PAGE 1}

KING VERTICAL (UPRIGHT) murphy bed mechanism PLYWOOD CONSTRUCTION

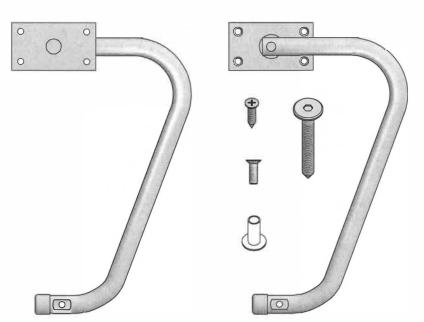


Two (2) GAS SPRINGS



Two (2) pair of METAL PIVOTS with two (2) plastic spacers two (2) "E" CLIPS four (4) "T" nuts with machine screws twelve (12) #12 x 3/4" silver screws

One (1) CONSTRUCTION booklet One (1) ASSEMBLY AND INSTALLATION booklet



Two (2) Metal Pivoting Legs

Two (2) 1/4" x 2" Leg Support Rail screws

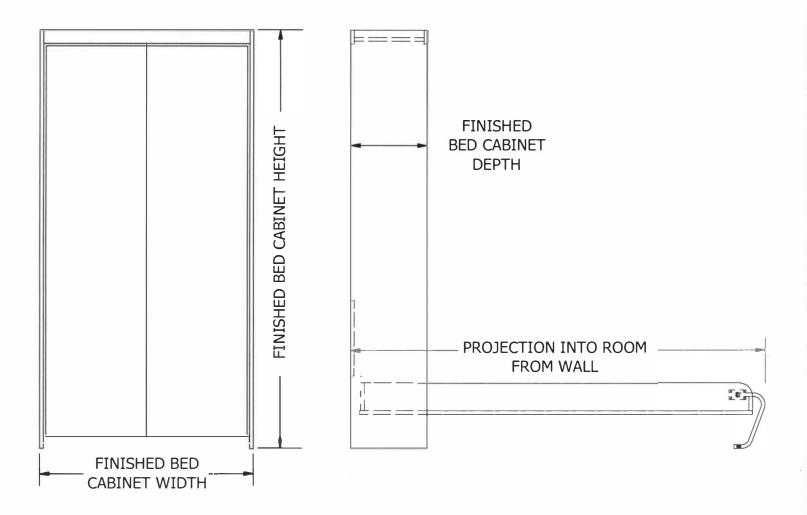
Four (4) Black #10 x 3/4" screws

Four (4) "T"nut with machine screws

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Protected By U.S. Patents #8,850,637 , #8,898,831 Protected By Canada Patents #2,871,969 , #2,897,339 Protected By China Patent #ZL 201380032662.0 Protected By Mexico Patent #351674

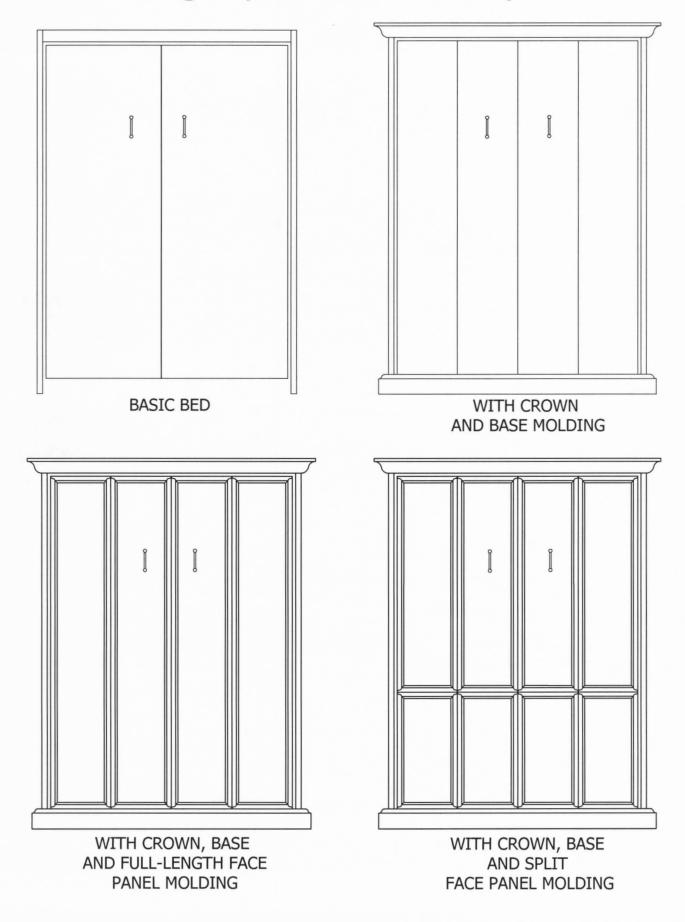
Out-to-out dimensions of **VERTICAL STYLE** murphy bed cabinet constructed using the *Create-A-Bed*[®] mechanism

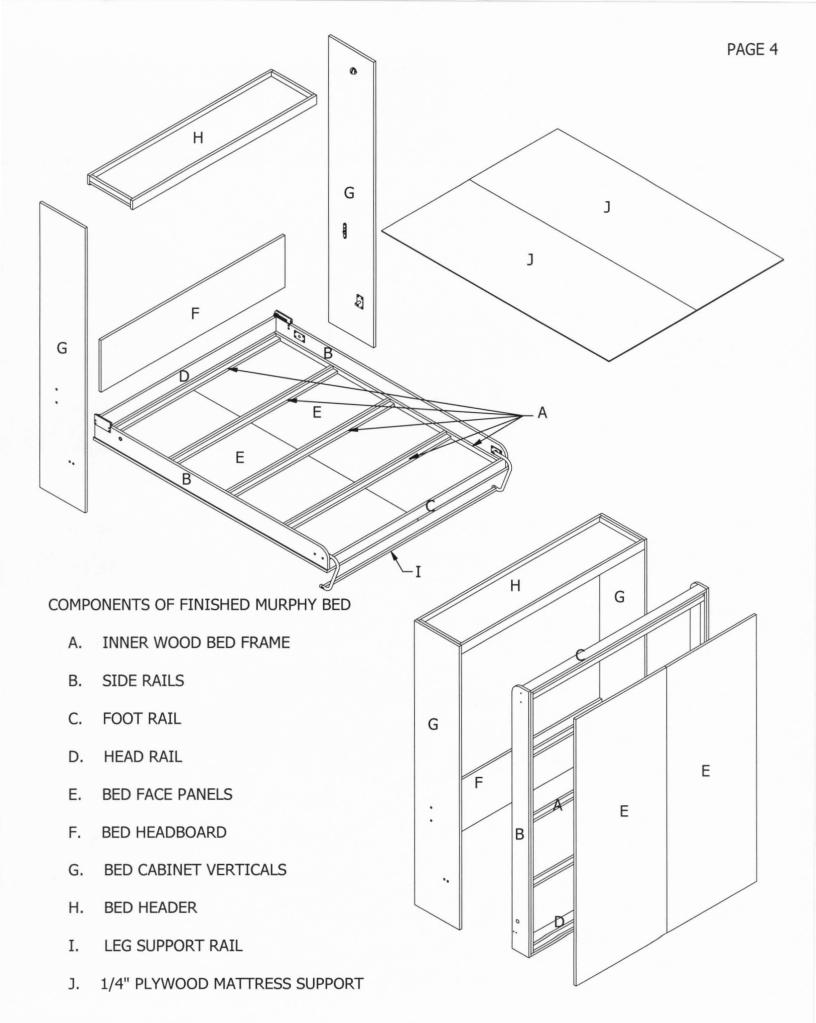


OUTSIDE-EDGE TO OUTSIDE-EDGE FINISHED VERTICAL BED CABINET DIMENSIONS

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"
KING	87-1/8"	81-7/8"	15-7/8"	87"

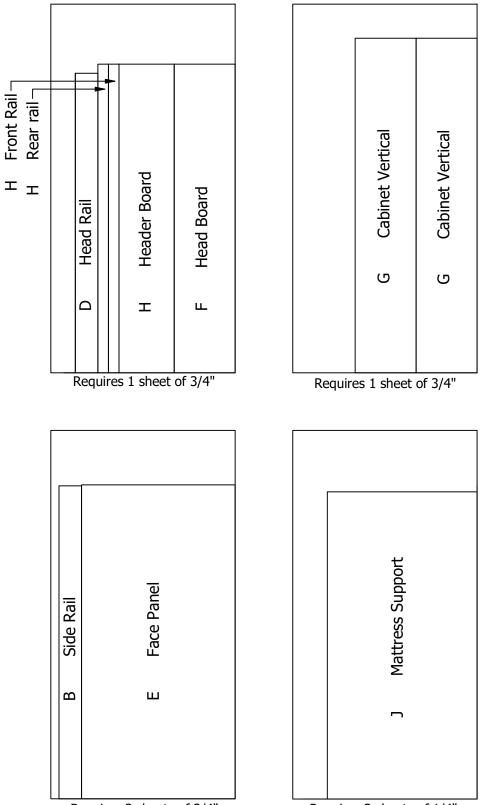
Some design options... or create your own!





KING Size 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 cutting dimensions



Requires 2 sheets of 3/4"

King Size ADJUSTABLE DELUXE 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 cons FRAME STRUTS: *SOLID WOOD* FRAME SIDES: *SOLID WOOD*	3/4" X 1-1/2" X 37-1/2"			
IMPORTANT: PLYWOOD MUST BE USED FOR THESE PIECES:B. SIDE RAILS:3/4" X 5-7/8" X 81-1/2"2 pieces				
C. FOOT RAIL: *SOLID WOOD *	3/4" X 3" X 78"	1 piece		
D. HEAD RAIL:	3/4" X 5-7/8" X 78"	1 piece		
E. BED FACE PANEL:	3/4" X 40" X 81-3/4"	2 pieces		
F. BED HEADBOARD:	3/4" X 15-7/8" X 80-3/8"	1 piece		
G. BED CABINET VERTICALS:	3/4" X 15-7/8" X 87-1/8"	2 pieces		
H. BED HEADER: HEADERBOARD: FRONT RAIL: REAR RAIL: MOUNTING CLEATS:* SOLID WOOD *	3/4" X 14-3/8" X 80-3/8" 3/4" X 2-3/4" X 80-3/8" 3/4" X 2-3/4" X 80-3/8" 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 76-1/4"	1 piece		
J. 1/4" PLYWOOD mattress support:	1/4" X 39" X 80"	2 pieces		
K. VENEER or MELAMINE TAPE:	13/16" X 80 feet			
L. WOOD GLUE:	One 8 ounce bottle			
M. FINISH NAILS:	One box of 1-1/2"			
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 PUI	LLS	2 HANDLES		

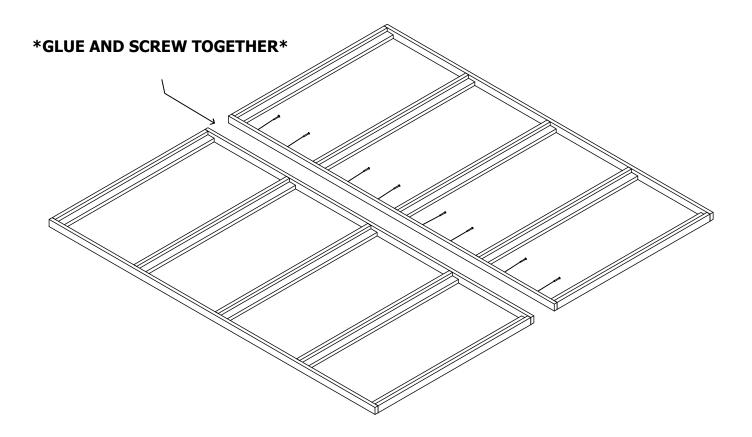
P. MATTRESS

MUST weigh between 65 - 80 pounds

Your mattress dimensions must not exceed 76" x 80" Mattress thickness CANNOT exceed 12" in thickness – including pillow top.

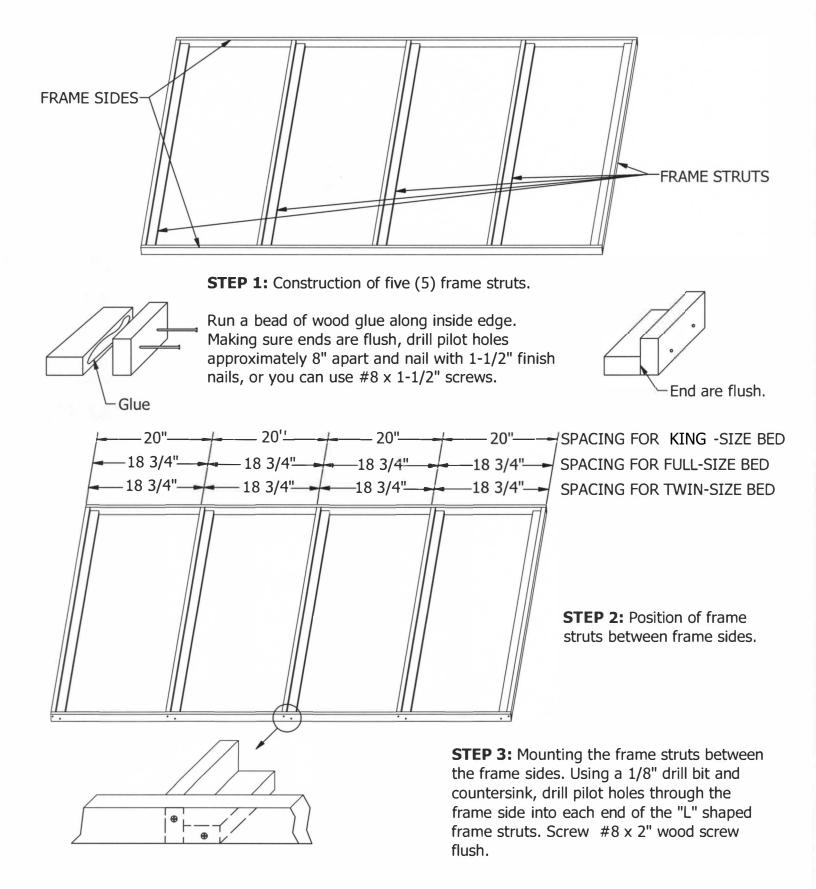
King Size Inner Bed Frame

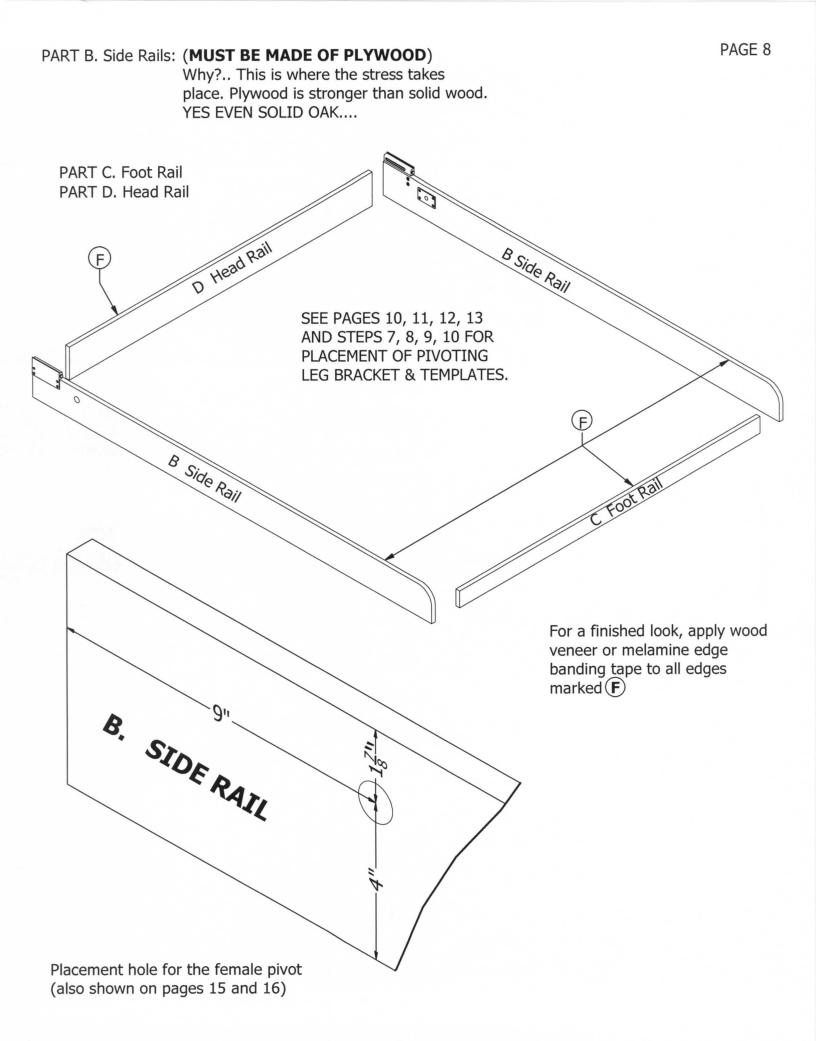
- Build Two Frames per instructions on page 7.
- After constructing the (2) inner wood bed frames(part A), glue and screw them together using 1-1/2" screws.



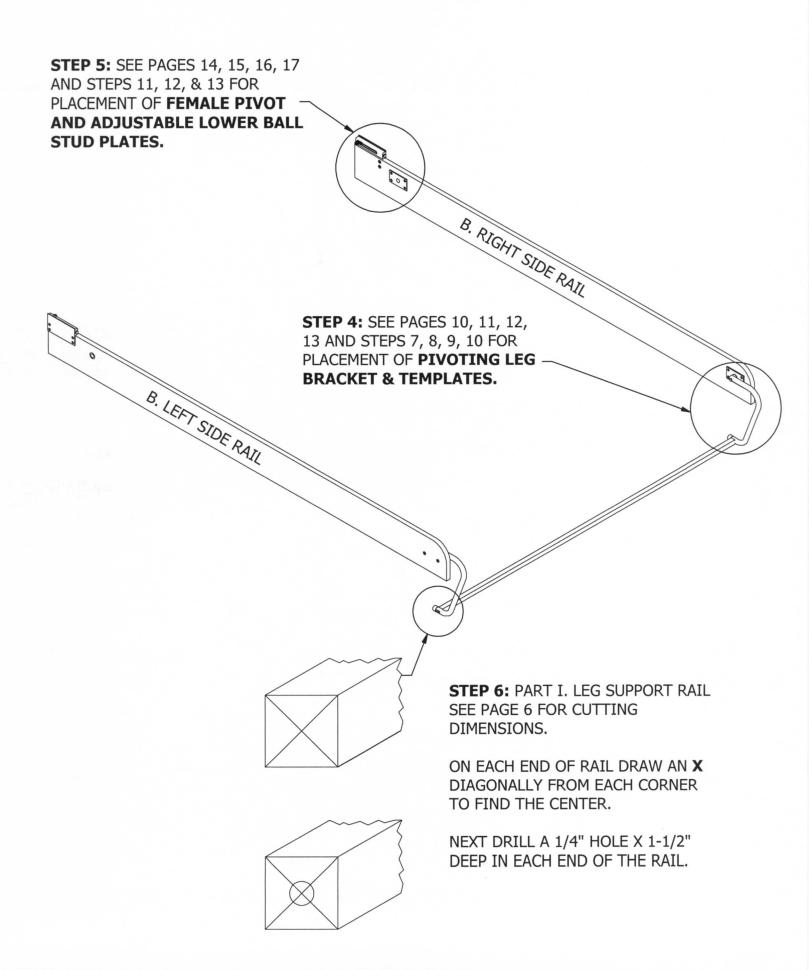
A. INNER WOOD BED FRAME

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

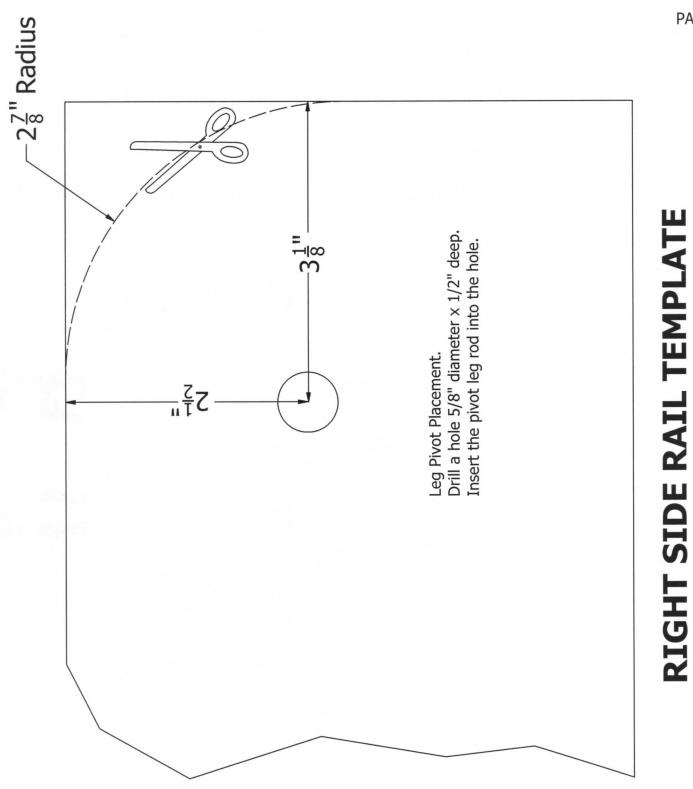


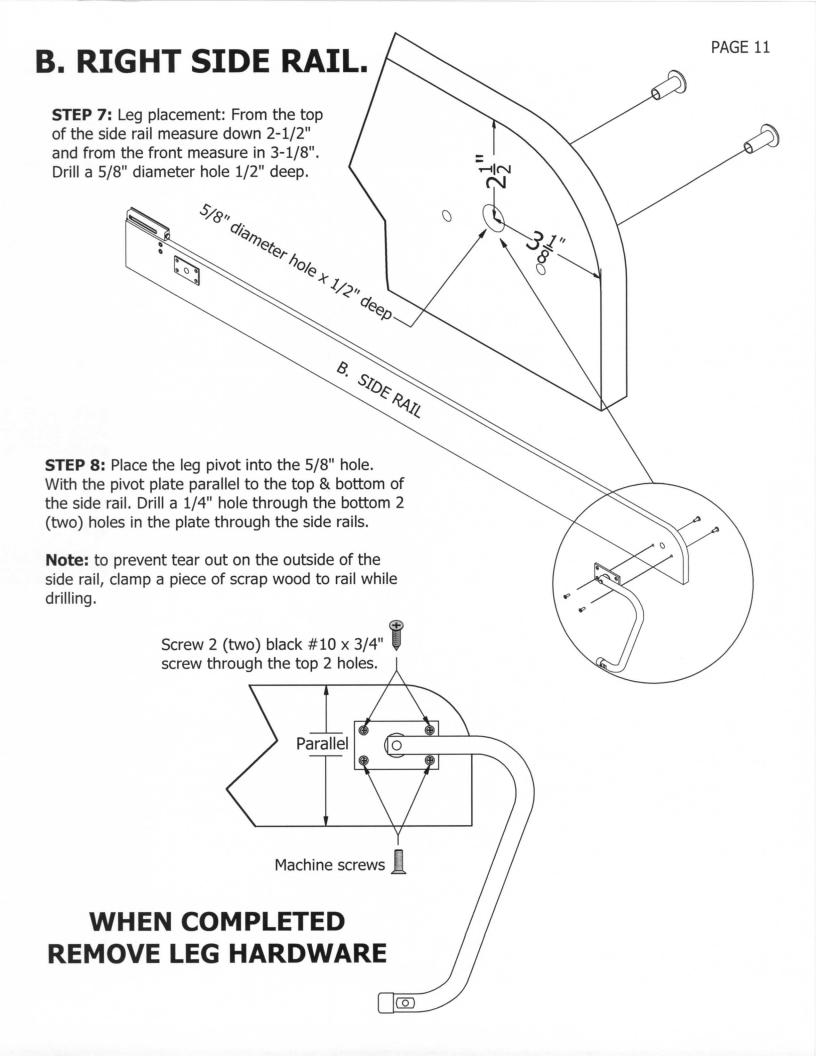


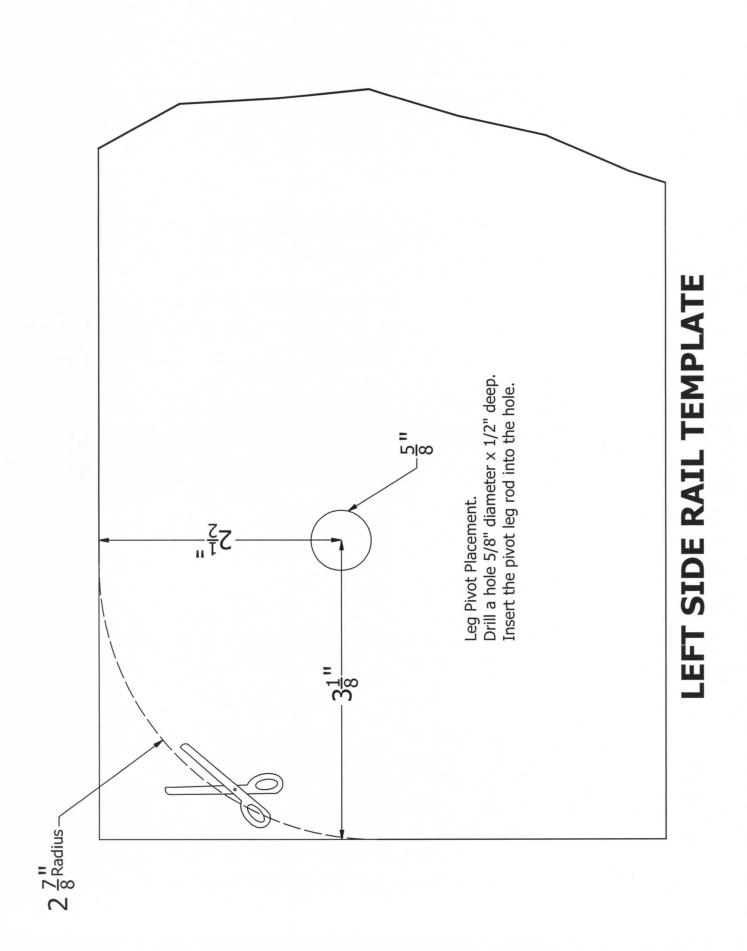
HARDWARE PLACEMENT FOR B. SIDE RAILS



PAGE 9







B. LEFT SIDE RAIL.

0

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 & 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.



Parallel

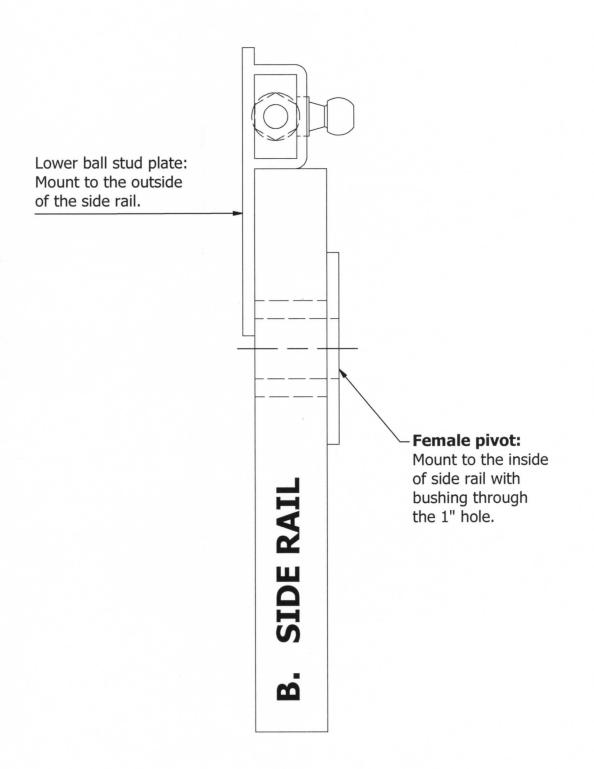
Machine screws

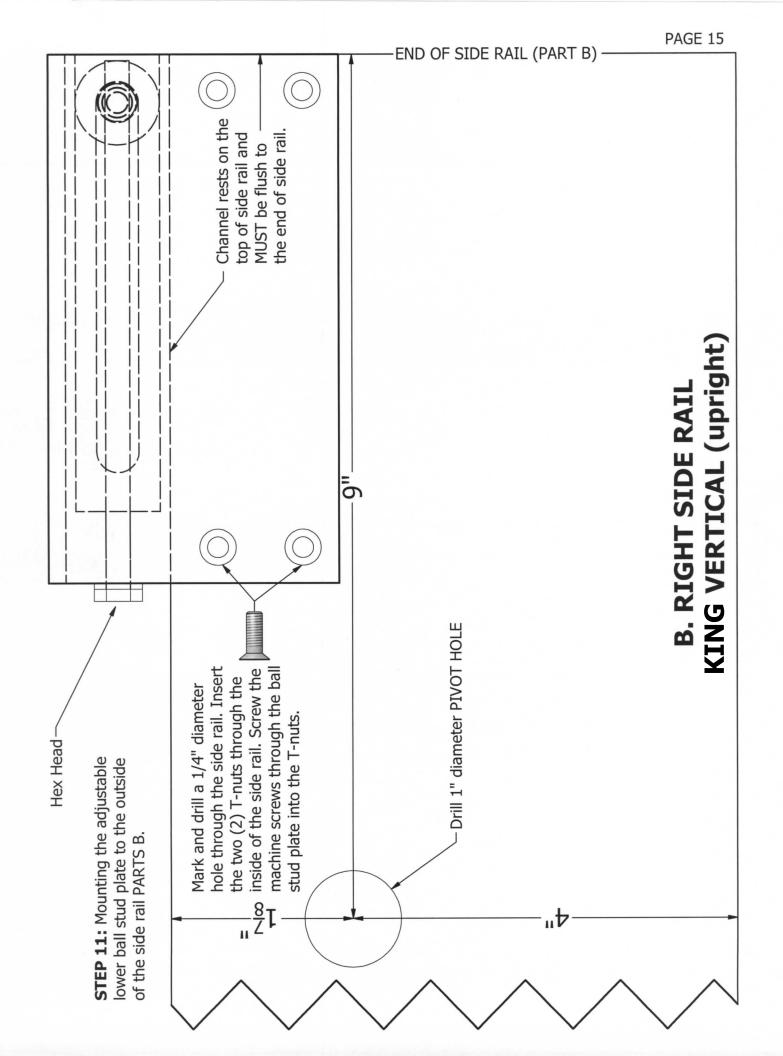
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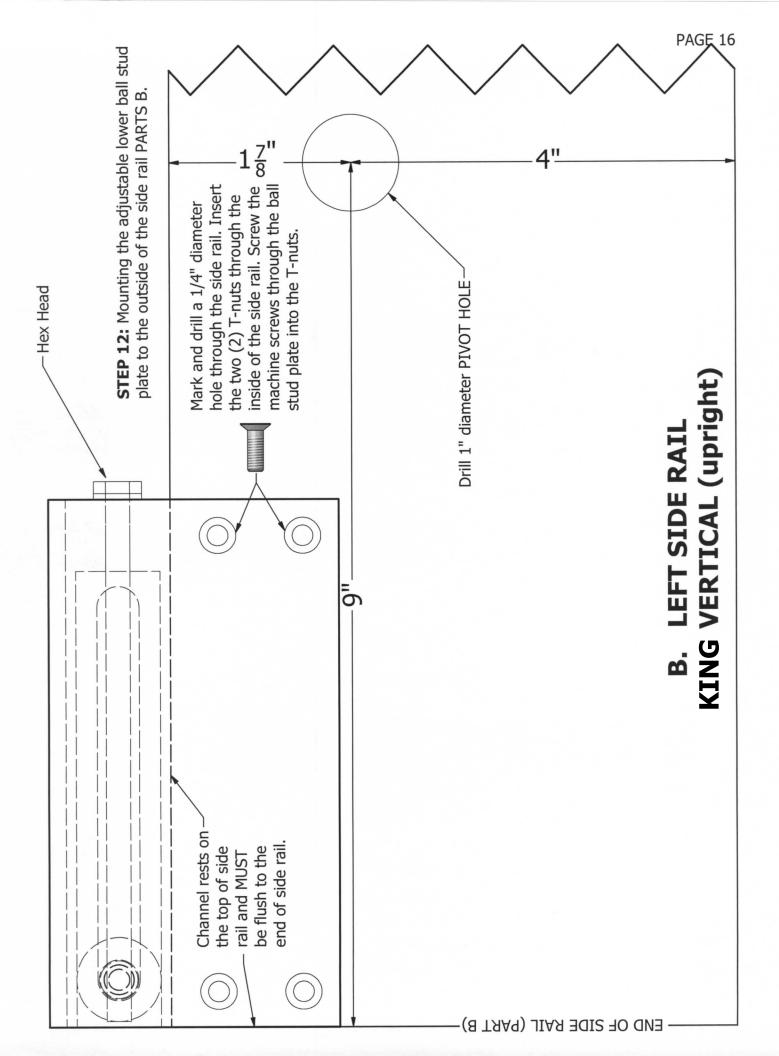
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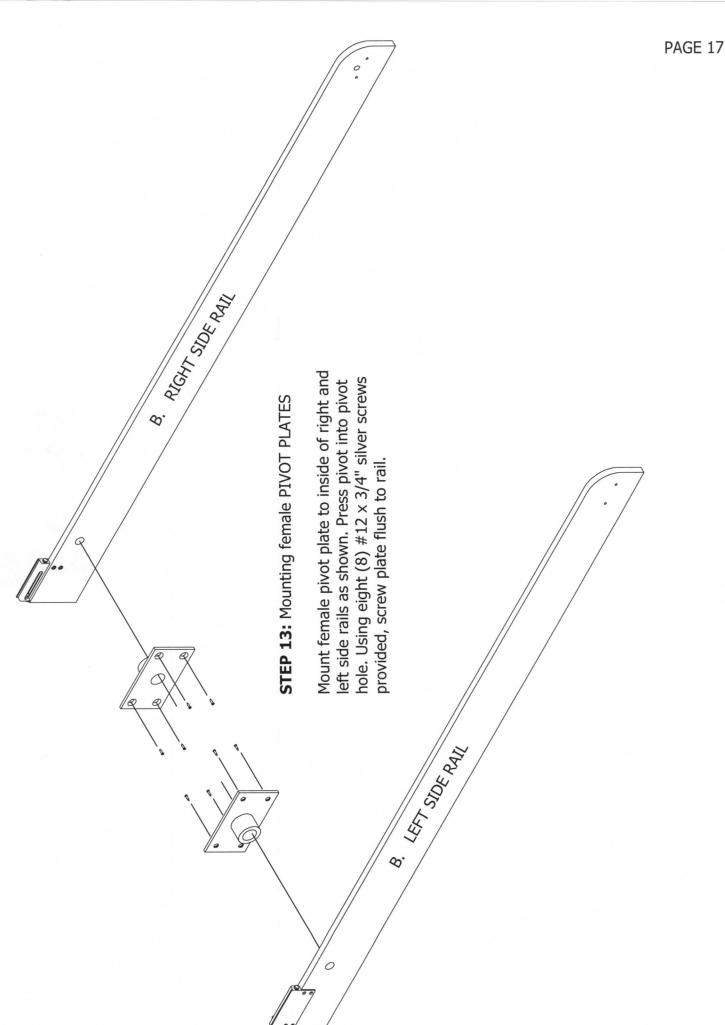
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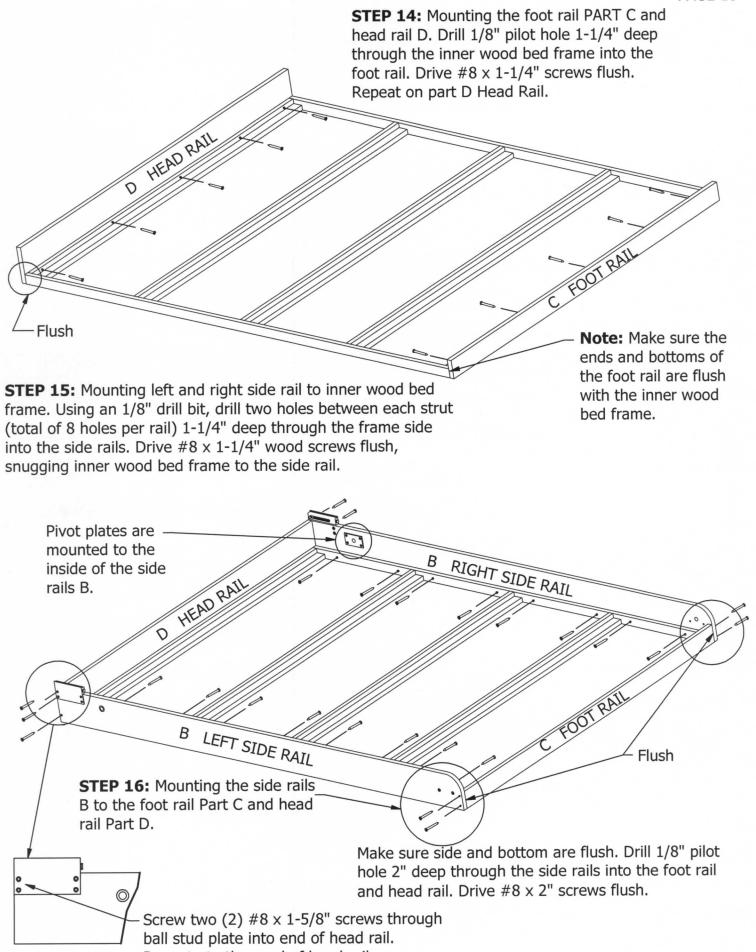
This page pertains to the orientation and mounting positions of the lower ball stud plates and female pivots, **USE WITH PAGE 15, 16, & 17**









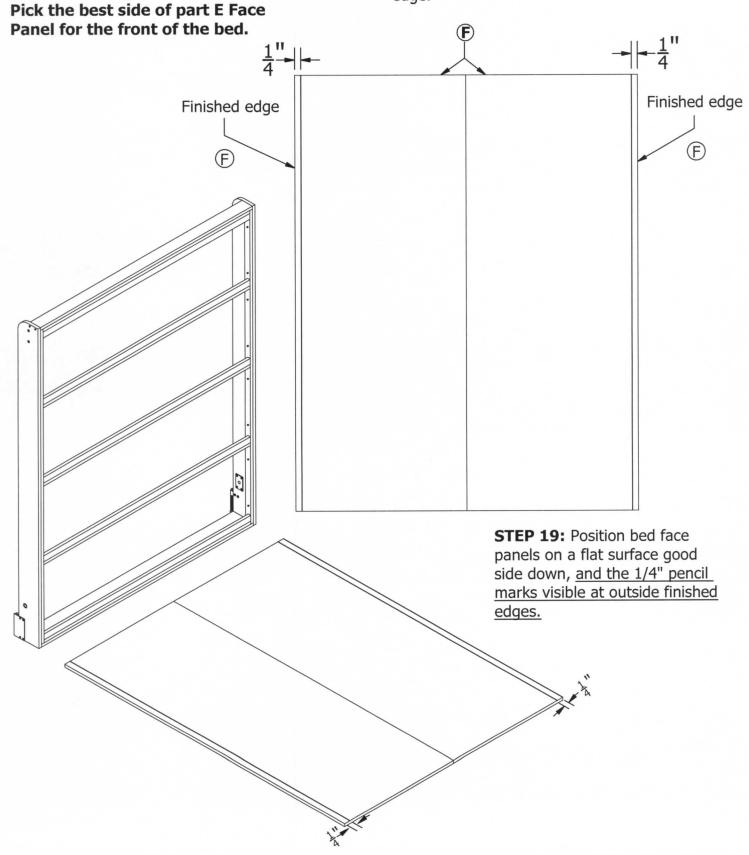


Repeat at other end of head rail.

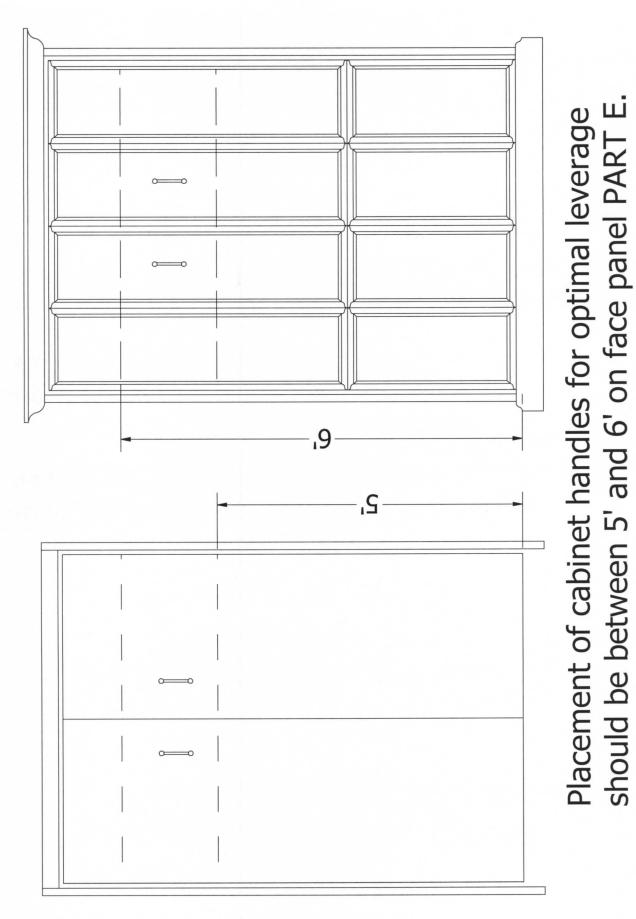
STEP 17:

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

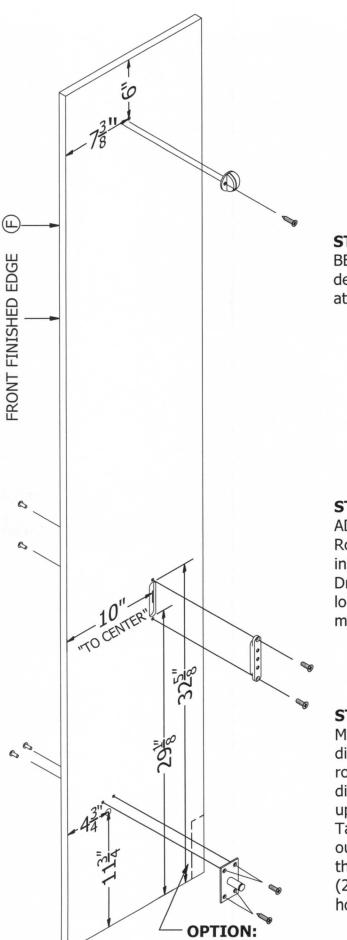
STEP 18: Turn face panels over. On back side, mark a 1/4" line the full length of the panel along finished long edge.



TIP: As a guide for the application of the adhesive, mark a pencil line on the face panels PARTS E around STEP 20: Lay bed face panel with good side DOWN, and place the inner wood bed frame. assembled bed frame on top of After marking, remove the assembled wood bed frame bed face panel. Check to make and apply adhesive inside sure the 1/4" lines are visible on both side of the assembled bed the markings. frame. Face panel Face panel and foot rail MUST be flush at this end. may extend approx. 1/4" at this end. The face panel MUST extend 1/4" past edge of frame on long sides. **STEP 21:** Make sure face panel and foot rail are flush and that face panel extends 1/4" past edge of wood bed frame on long sides. Using $#8 \times 1-1/4$ screws, screw section marked "X" first. Keeping end flush, screw section marked "Y". Making sure there is a 1/4" face panel overhang, screw section marked "Z". If out-of-square this procedure will aid in racking into square. Screw remaining struts to face panel 6" apart.



nd 6' on face panel PART E.



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

STEP 22:

BED STOP: Drill a hole 5/16" diameter $\times 1/2$ " 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 King Vertical (Upright).

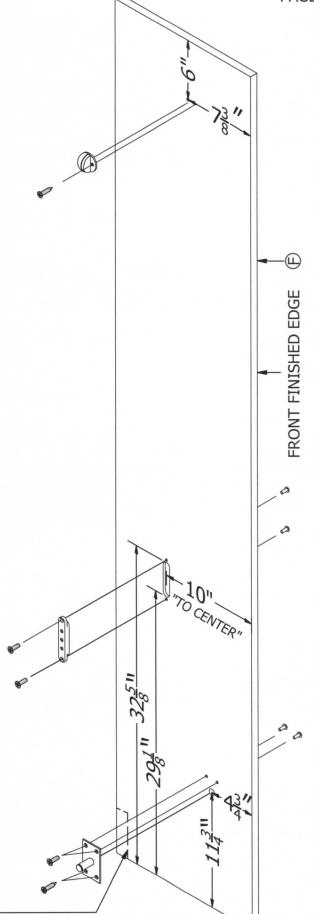
BED STOP: Drill a hole 5/16" diameter x 1/2" deep. Insert the bed stop pin into hole and attach with a $#10 \times 3/4$ " black screw.

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.



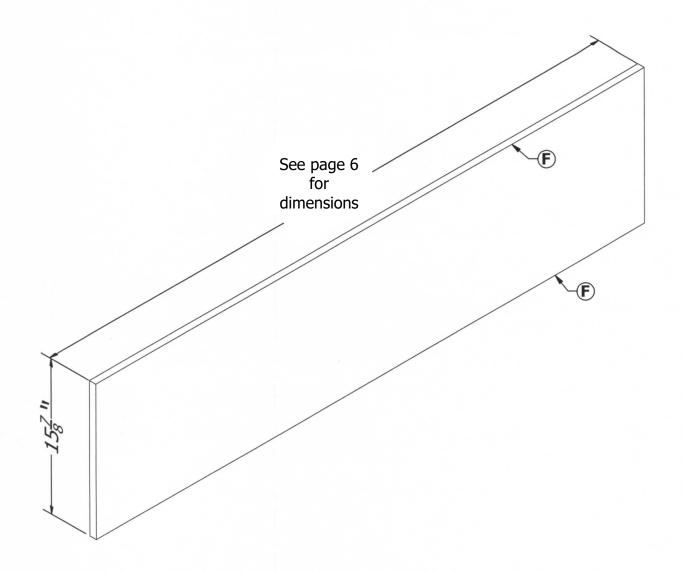
MALE PIVOT PLATE: Drill a hole 5/8" diameter x 1/2" deep. Insert the 1/2" end of rod into hole. Drill two (2) holes 1/4" diameter through the vertical using the upper holes in the pivot plate as a guide. Tap "T" Nuts into two (2) upper holes from outside, then screw 1/4" machine screws through pivot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

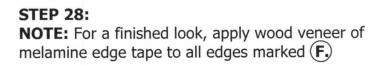


OPTION: -

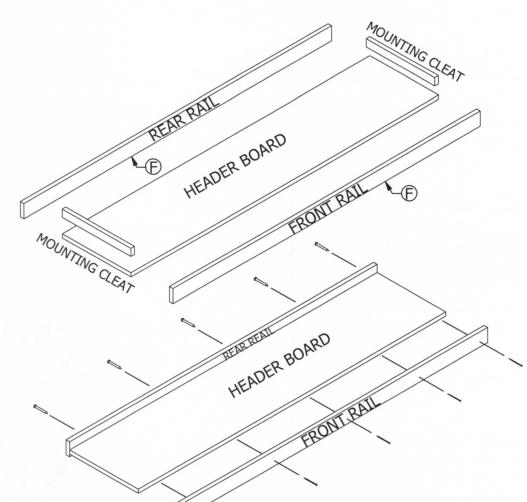
On left and right bed verticals, a cut can be made to accommodate existing base molding so cabinet will fit flush against the wall.

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" finsih 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!

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