# Create-A-Bed <sup>®</sup>LLC

# **NOTE:** DO NOT deviate from these plans

These plans are for constructing an ADJUSTABLE

# KING HORIZONTAL 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**

Power Drill

#### **TOOLS NEEDED:**

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

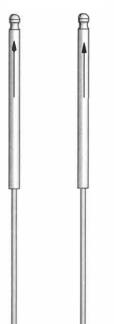
1800 Taylor Avenue Louisville, KY 40213

www.createabed.com

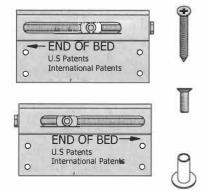
TOLL FREE: 1-877-966-3852

# Create-A-Bed® LLC PAGE 1

KING Horizontal (Sidebed) murphy bed mechanism



PLYWOOD CONSTRUCTION





Two (2) ADJUSTABLE UPPER PLATES with four (4) "T" NUTS with MACHINE screws

two (2) BALL STUDS

two (2) BLACK BALL STUD SPACERS

Two (2) ADJUSTABLE LOWER PLATES with four (4)  $#10 \times 1-5/8$ " screws four (4) "T" nuts with machine screws

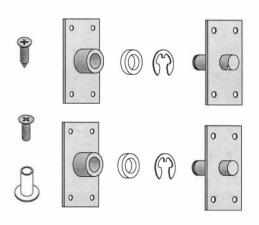






Two (2) BED STOPS with two (2) #10 x 3/4" black screws

Two (2) GAS SPRINGS

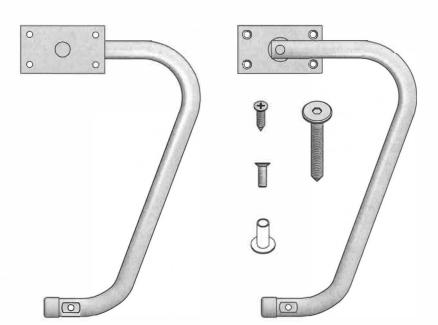


Two (2) pair of METAL PIVOTS with two (2) plastic spacers two (2) "E" CLIPS four (4) "T" nuts with machine screws twelve (12) #12 x 3/4" silver screws

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

Online Video: bit.ly/AdjustableVertical

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Two (2) Metal Pivoting Legs

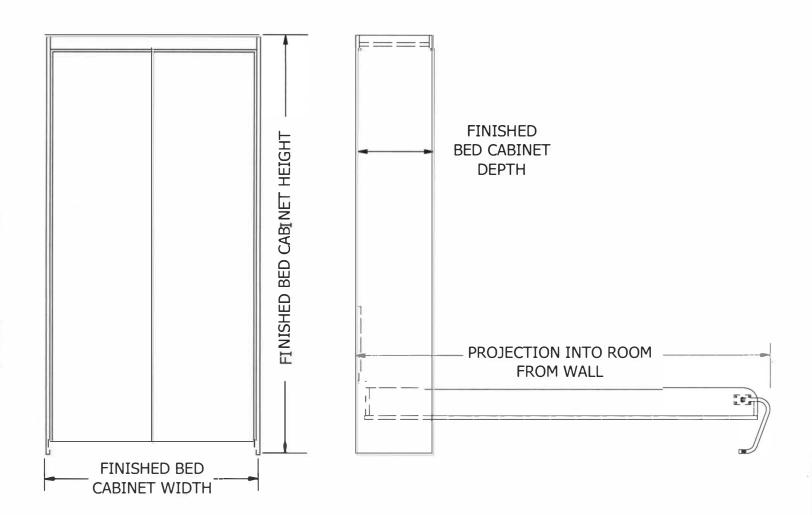
Two (2) 1/4" x 2" Leg Support Rail screws

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

Four (4) "T"nut with machine screws

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

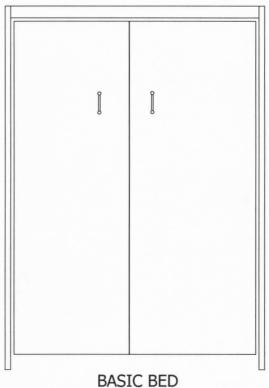
# Out-to-out dimensions of Horizontal Style murphy bed cabinet constructed using the $Create-A-Bed^{ @}$ mechanism



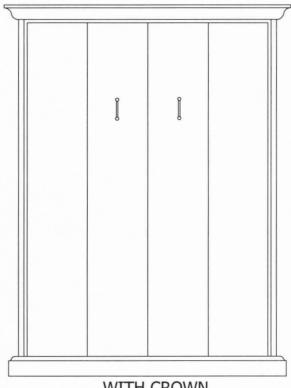
# OUTSIDE-EDGE TO OUTSIDE-EDGE FINISHED Horizontal BED CABINET DIMENSIONS

SIZE	HEIGHT	WIDTH	DEPTH	PROJECTION
		E4 117		
		1897/2017	The High	
KING	83-1/8"	85-7/8"	15-7/8"	83"

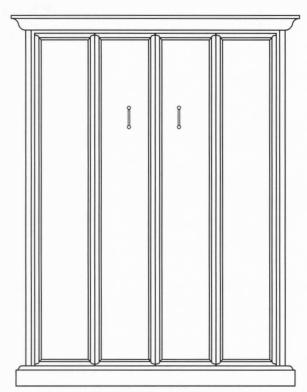
# Some design options... or create your own!



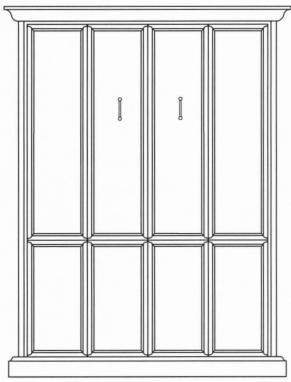




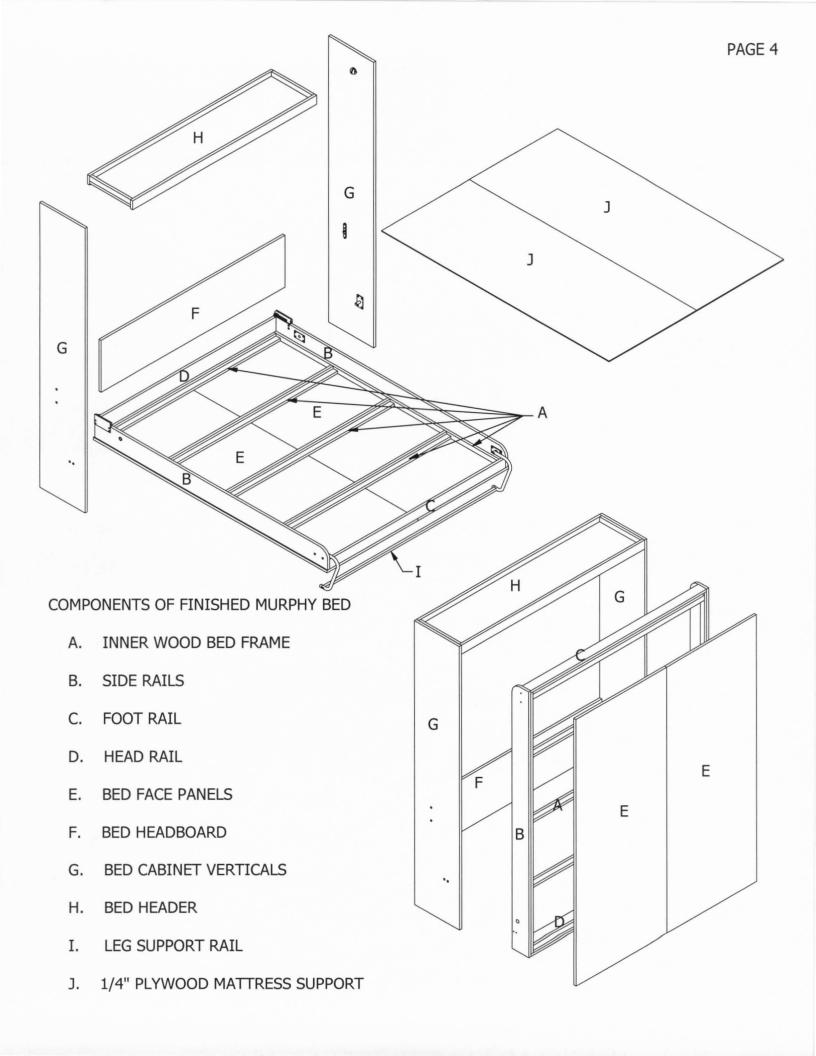
WITH CROWN AND BASE MOLDING



WITH CROWN, BASE AND FULL-LENGTH FACE PANEL MOLDING

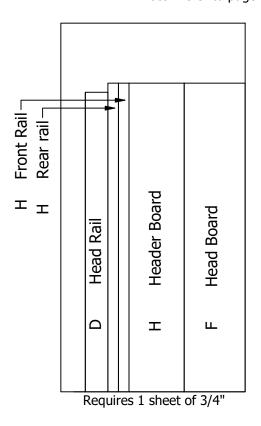


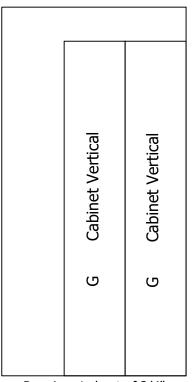
WITH CROWN, BASE AND SPLIT FACE PANEL MOLDING



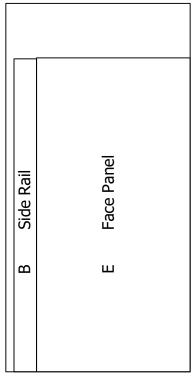
### **KING Size Plywood Cutting Guide**

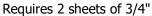
Requires: 4 sheets of 3/4" x 4' x 8' and 2 sheets of 1/4" x 4' x 8' Note: Refer to page 6 for cutting dimensions

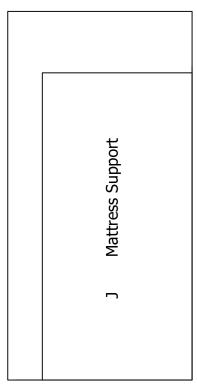




Requires 1 sheet of 3/4"







Requires 2 sheets of 1/4"

# King SIZE ADJUSTABLE DELUXE KIT Horizontal BED WITH 3/4" PLYWOOD FACE PANEL BILL OF MATERIALS / CUT SHEET

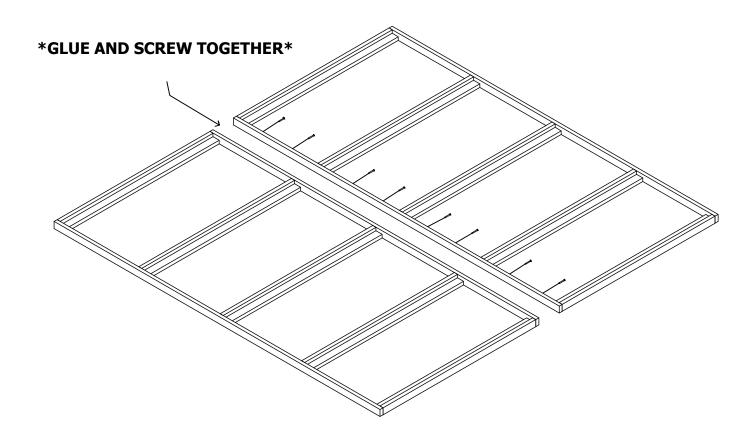
#### **DO NOT SUBSTITUTE OTHER MATERIALS** without calling Create-A-Bed toll-free FIRST

DO NOT SUBSTITUTE OTHER MATERIAL	DO NOT SUBSTITUTE OTHER WATERIALS WILLIOUT CAILING Create-A-Ded 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 39-1/2"	aple, etc.* 20 pieces 4 pieces			
IMPORTANT: PLYWOODB. SIDE RAILS:	MUST BE USED FOR THESE PIECES: 3/4" X 5-7/8" X 77-1/2"	2 pieces			
C. FOOT RAIL: *Solid Hardwood*	3/4" X 3" X 82"	1 piece			
D. HEAD RAIL:	3/4" X 5-7/8" X 82"	1 piece			
E. BED FACE PANEL:	3/4" X 42" X 77-3/4"	2 pieces			
F. BED HEADBOARD:	3/4" X 15-7/8" X 84-3/8"	1 piece			
G. BED CABINET VERTICALS:	3/4" X 15-7/8" X 83-1/8"	2 pieces			
H. BED HEADER: HEADERBOARD: FRONT RAIL: REAR RAIL: MOUNTING CLEATS:* <b>SOLID WOOD</b> *	3/4" X 14-3/8" X 84-3/8" 3/4" X 2-3/4" X 84-3/8" 3/4" X 2-3/4" X 84-3/8" 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 72-1/4"	1 piece			
J. 1/4" <b>PLYWOOD</b> mattress support:	1/4" X 41" X 76"	2 pieces			
K. VENEER or MELAMINE TAPE:	13/16" X 80 feet				
L. WOOD GLUE:	One 8 ounce bottle				
M. FINISH NAILS:	1-1/2" 2"	box of 50 box of 25			
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 HAND					

P. MATTRESS MUST WEIGH between 65 - 80 pounds
Your mattress dimensions must not exceed 80" X 76"
Mattress thickness CANNOT exceed 12" in thickness – including pillow top

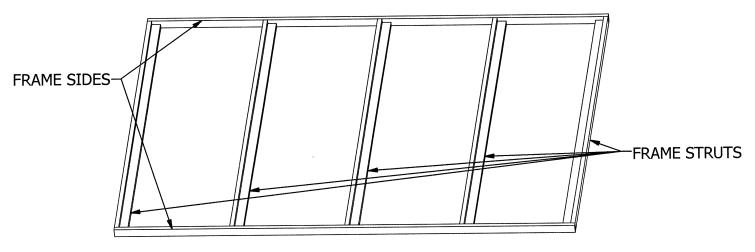
# King Size Inner Bed Frame

- 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.

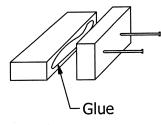


#### A. INNER WOOD BED FRAME

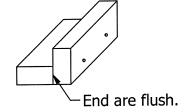
See Bill of Materials / Cut Sheet (PART A) for Twin, Full or Queen size frame struts and frame sides dimensions.

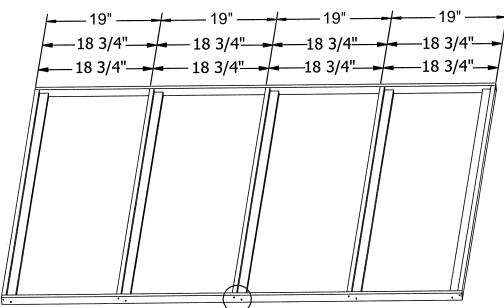


STEP 1: Construction of five (5) frame struts.



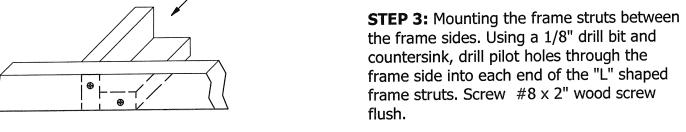
Run a bead of wood glue along inside edge. Making sure ends are flush, drill pilot holes approximately 8" apart and nail with 1-1/2" finish nails, or you can use  $\#8 \times 1-1/2$ " screws.





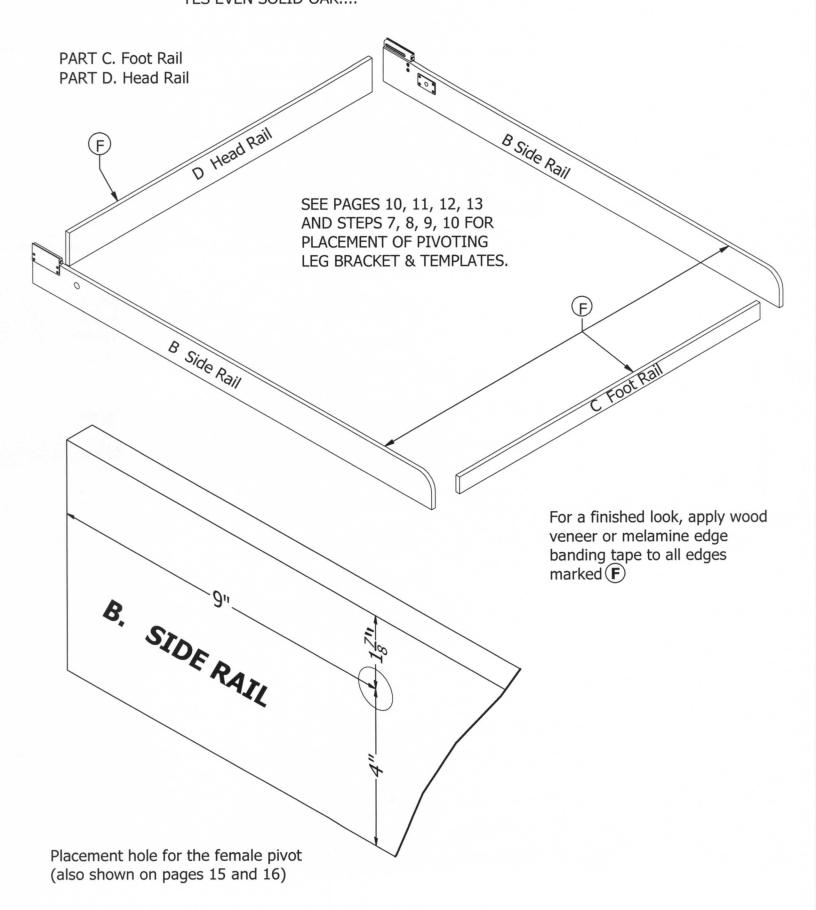
SPACING FOR KING-SIZE BED
SPACING FOR FULL-SIZE BED
SPACING FOR TWIN-SIZE BED

**STEP 2:** Position of frame struts between frame sides.

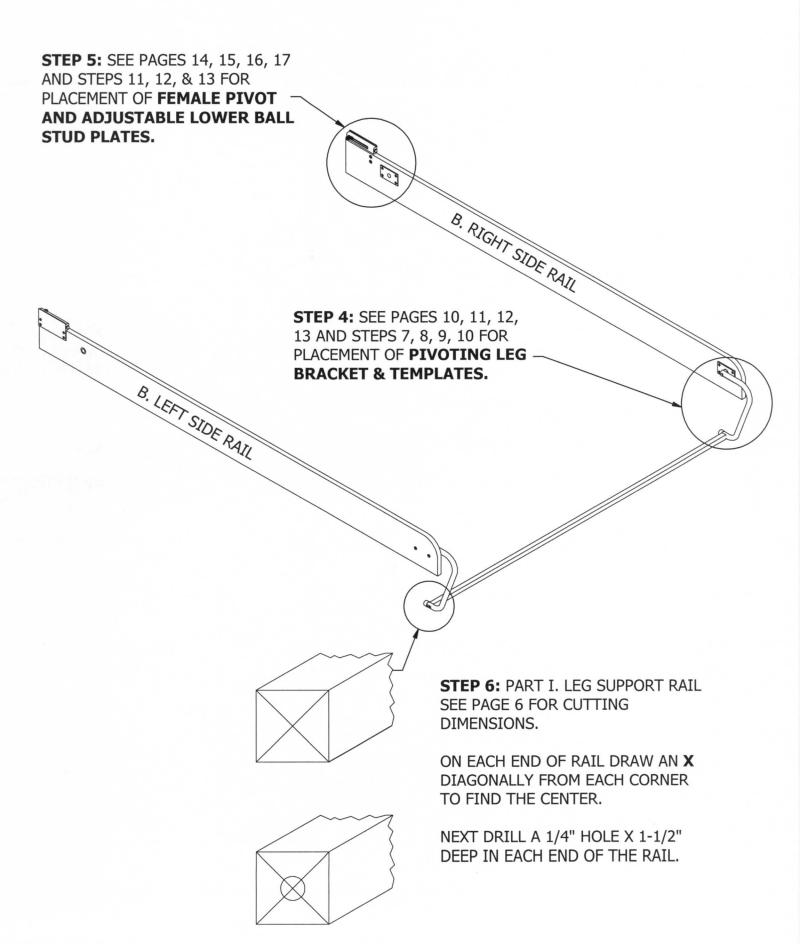


#### PART B. Side Rails: (MUST BE MADE OF PLYWOOD)

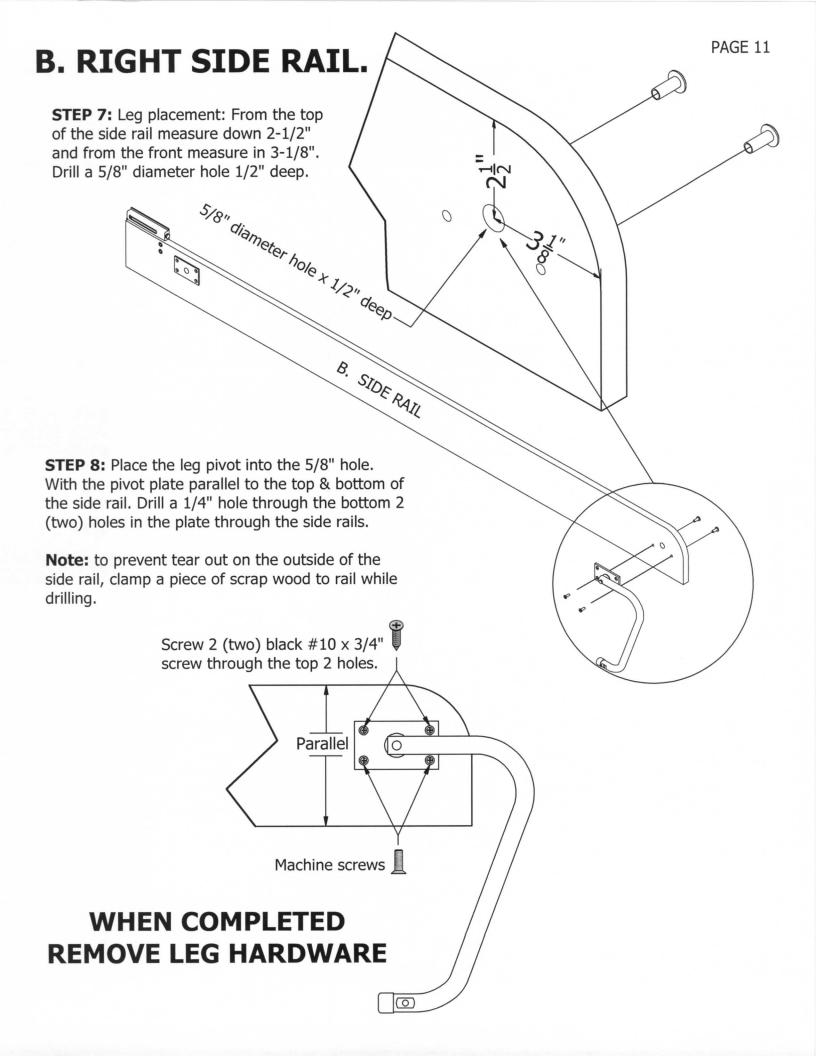
Why?.. This is where the stress takes place. Plywood is stronger than solid wood. YES EVEN SOLID OAK....

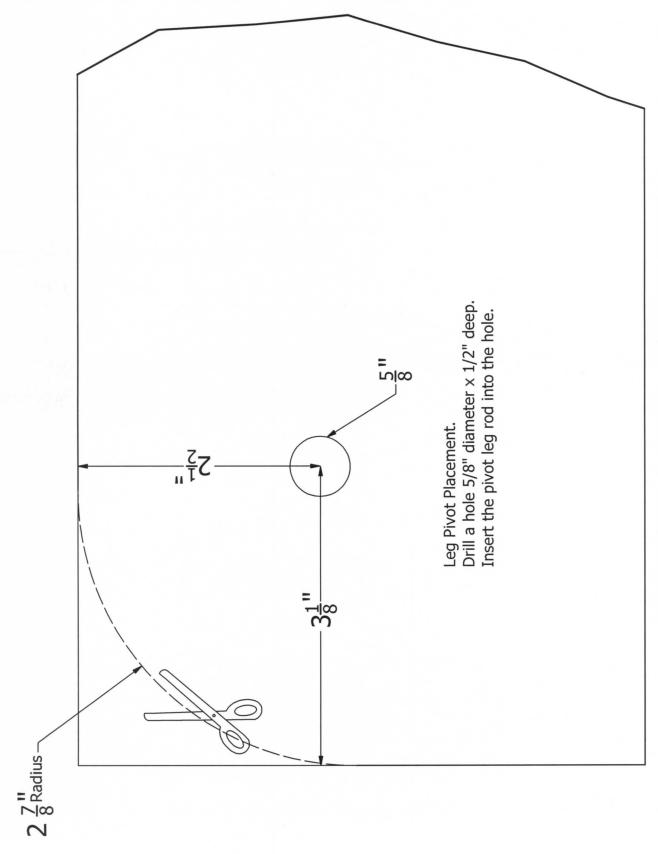


#### HARDWARE PLACEMENT FOR B. SIDE RAILS

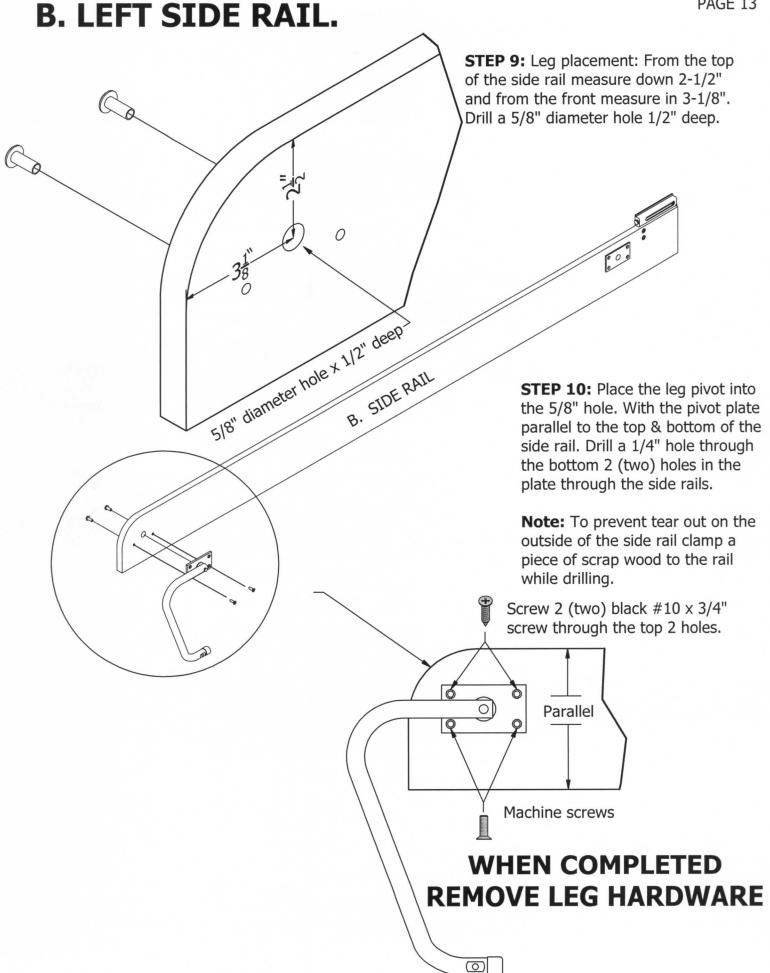


# RIGHT SIDE RAIL TEMPLATE

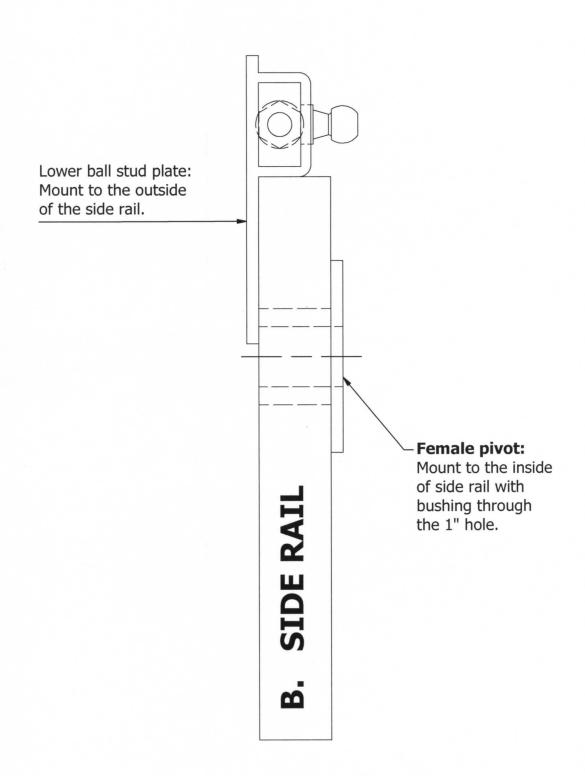


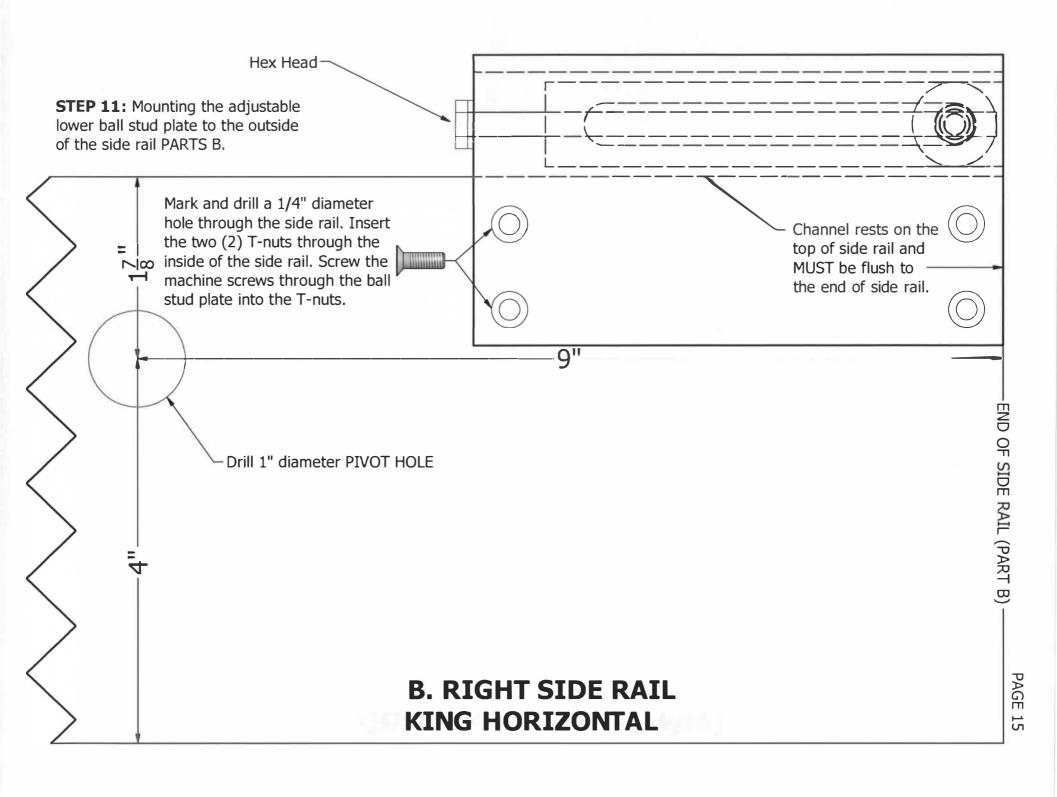


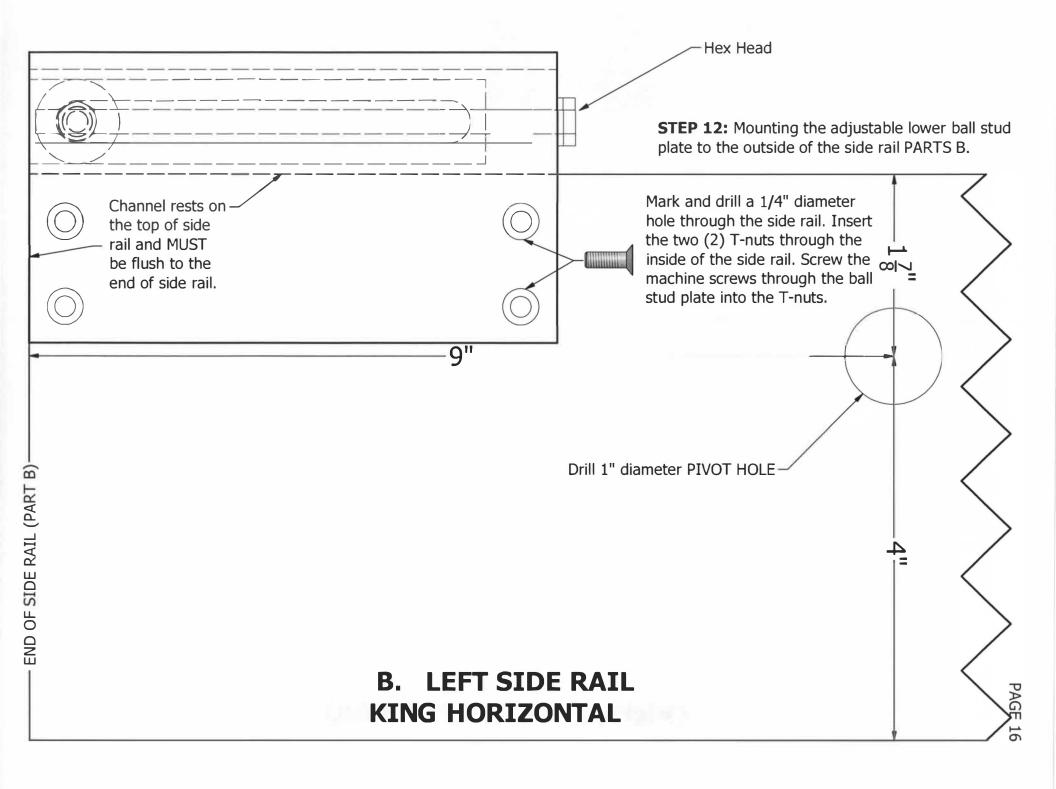
**LEFT SIDE RAIL TEMPLATE** 

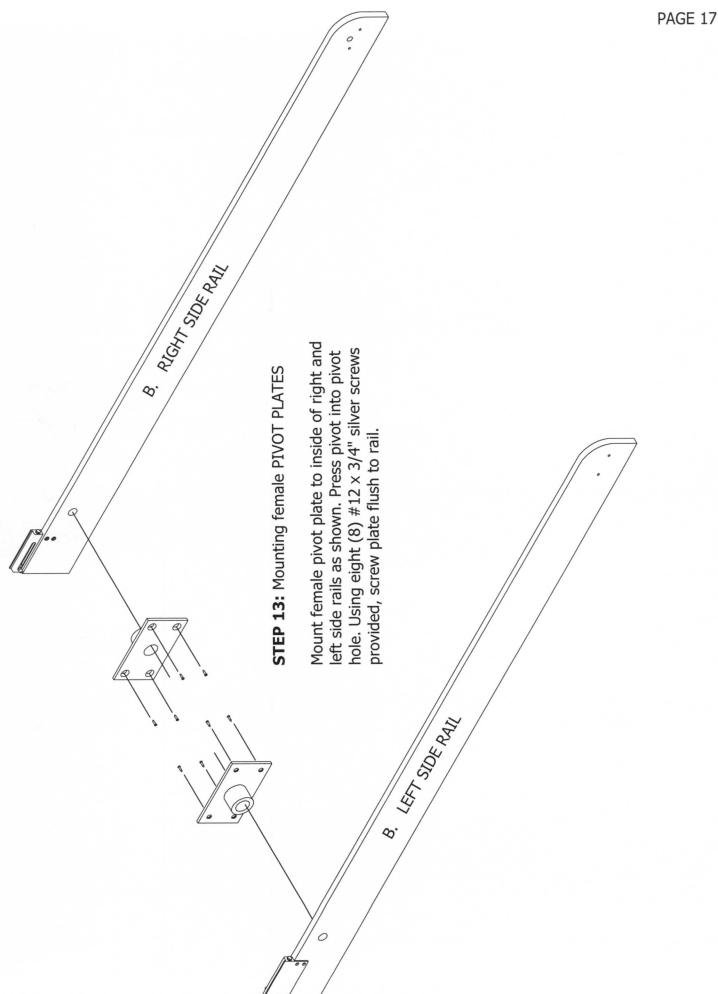


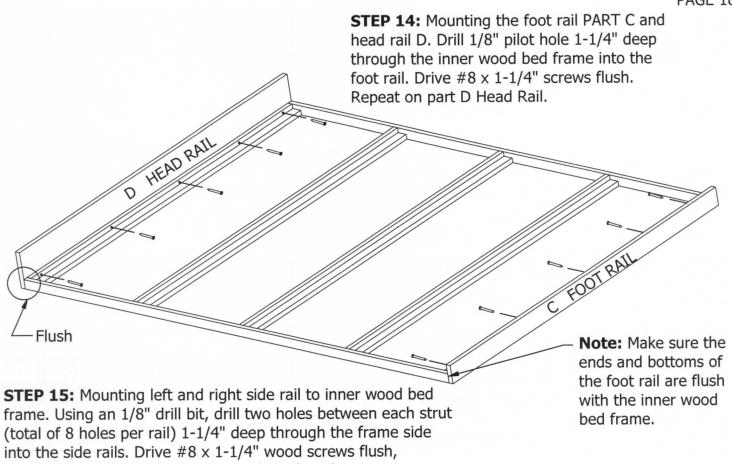
This page pertains to the orientation and mounting positions of the lower ball stud plates and female pivots, **USE WITH PAGE 15**, **16**, **& 17** 

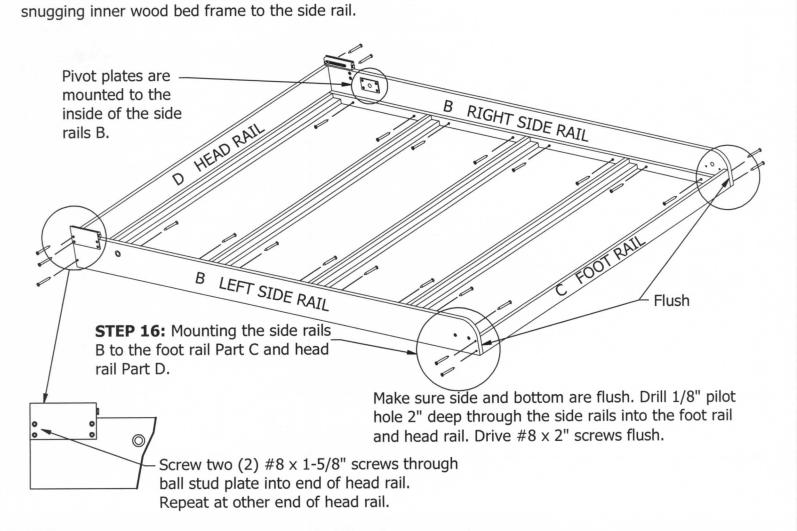








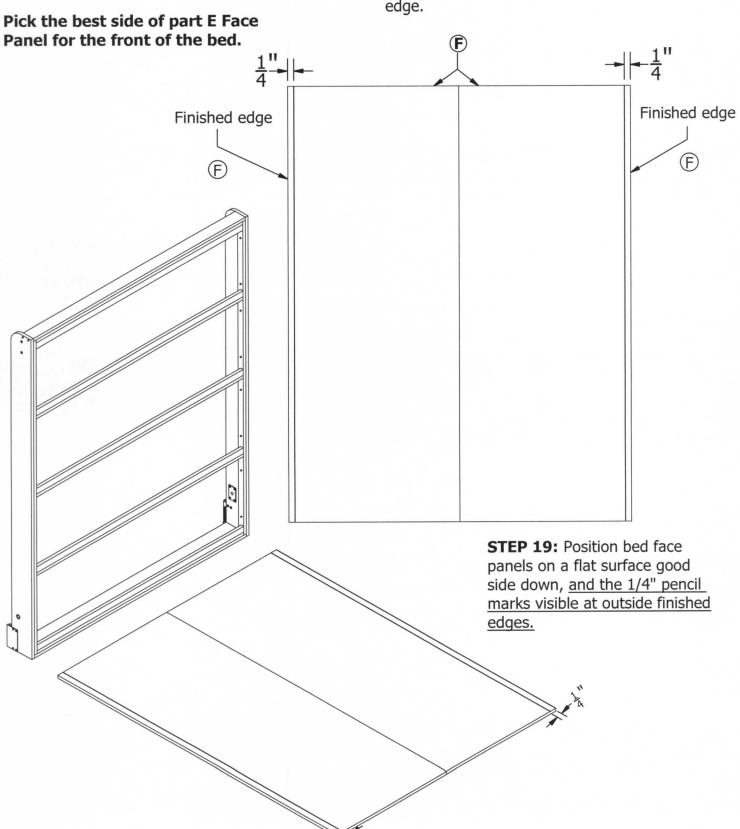


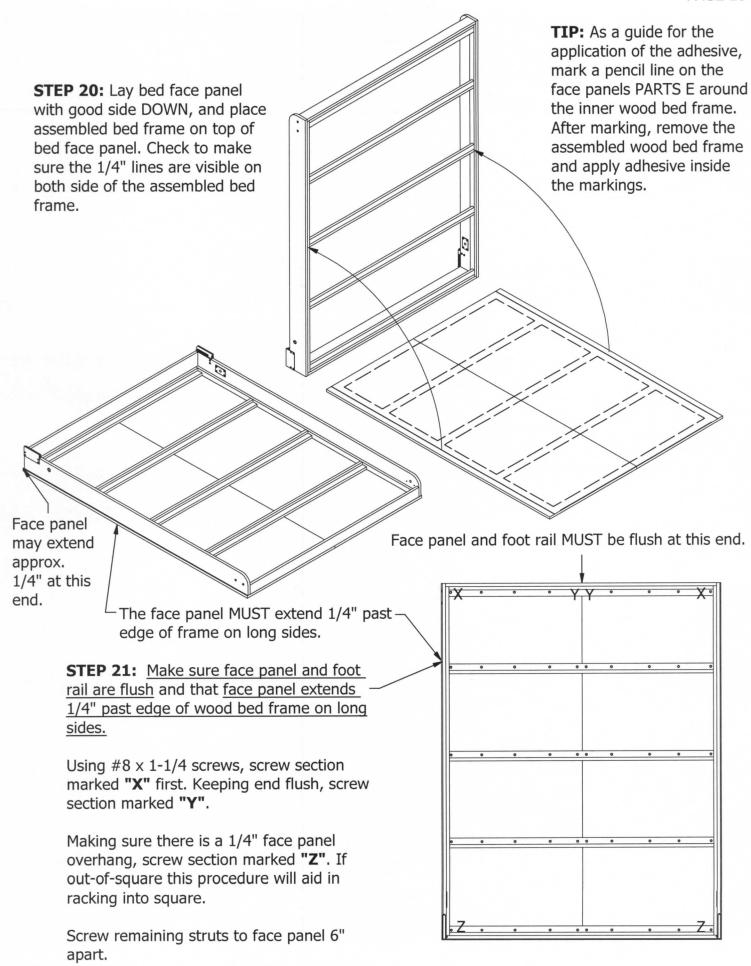


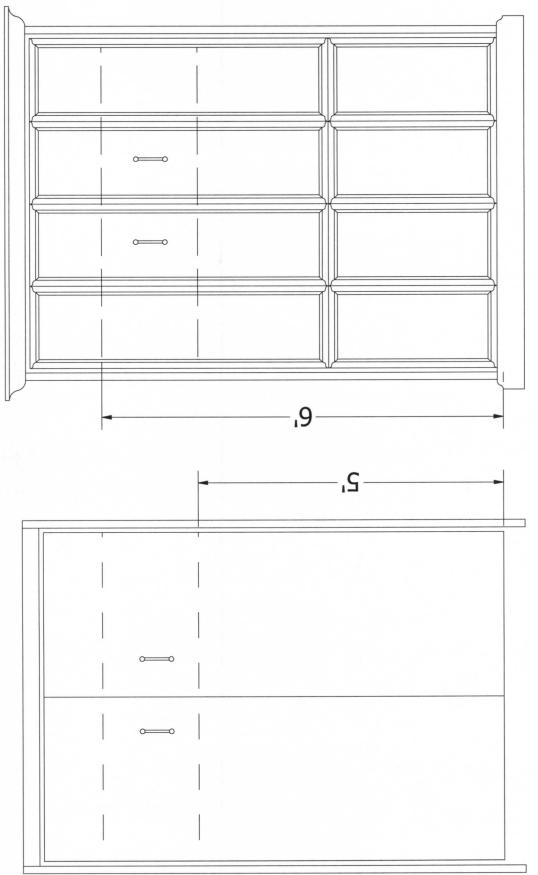
#### **STEP 17:**

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

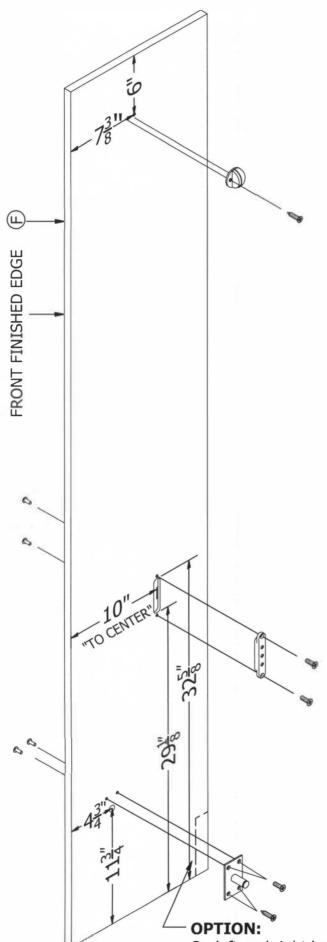
**STEP 18:** Turn face panels over. On back side, mark a 1/4" line the full length of the panel along finished long edge.







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 **King** Horizontal.

#### **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 King Horizontal.

#### **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:**

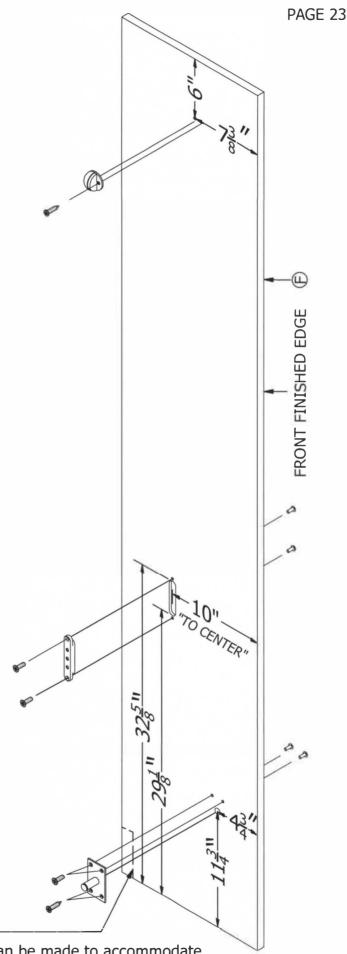
ADJUSTABLE UPPER BALL STUD PLATE: Rout out 3/4" x 1/4" deep x 3-1/2" long and insert the adjustable upper plate into hole. Drill 1/4" holes through the mounting locations and secure with "T" Nuts and machine screws.

#### **STEP 27:**

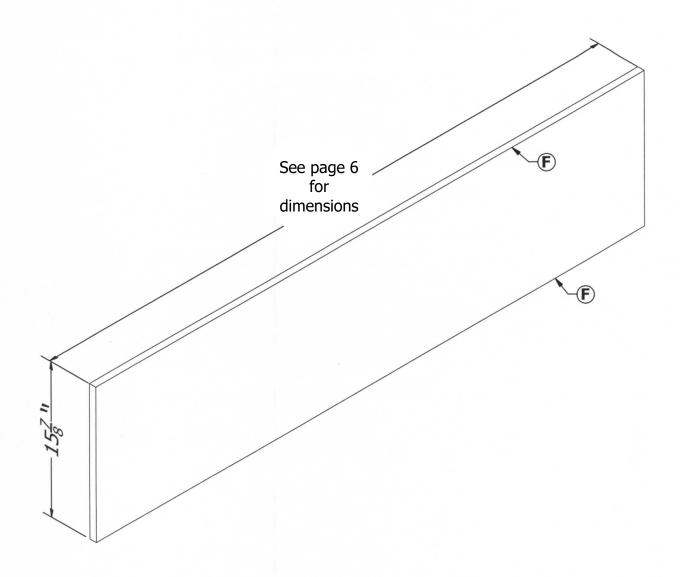
MALE PIVOT PLATE: Drill a hole 5/8" diameter x 1/2" deep. Insert the 1/2" end of rod into hole. Drill two (2) holes 1/4" diameter through the vertical using the upper holes in the pivot plate as a guide. Tap "T" Nuts into two (2) upper holes from outside, then screw 1/4" machine screws through pivot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



#### **STEP 28:**

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

#### **PART H: BED HEADER COMPONENTS**

