Create-A-Bed [®]LLC

NOTE: DO NOT deviate from these plans

These plans are for constructing an ADJUSTABLE

QUEEN 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

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

QUEEN VERTICAL (UPRIGHT) murphy bed mechanism PLYWOOD CONSTRUCTION

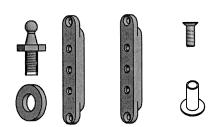
END OF BED

U.S Patents
International Patents
CREATE-A-BED LLC

END OF BED

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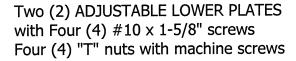
U.S Patents



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

Two (2) BALL STUDS

Two (2) BLACK BALL STUD SPACERS





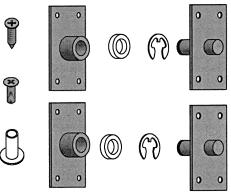


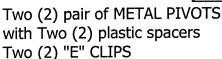


Two (2) BED STOPS with Two (2) $#10 \times 3/4$ " black screws



Two (2) ELASTIC MATTRESS RETANING STRAPS



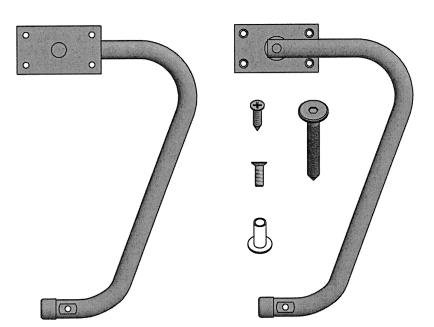


Four (4) "T" nuts with machine screws Twelve (12) #12 x 3/4" silver screws

One (1) CONSTRUCTION booklet

One (1) ASSEMBLY AND INSTALLATION booklet

Online Video: bit.ly/deluxeverticalvideo
© CREATE-A-BED[®] LLC 2014, 2017, 2018, 2021



Two (2) Metal Pivoting Legs

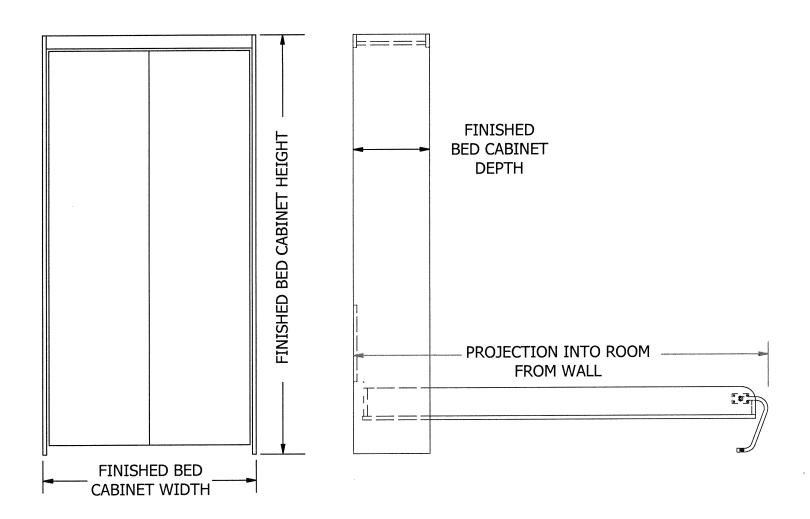
Two (2) 1/4" x 2" Leg Support Rail screws

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

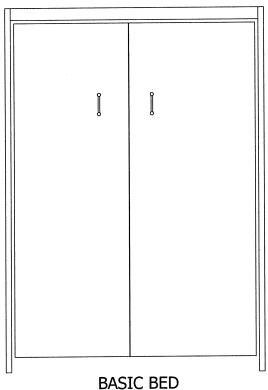
Out-to-out dimensions of **VERTICAL STYLE** murphy bed cabinet constructed using the $Create-A-Bed^{\, @}$ mechanism

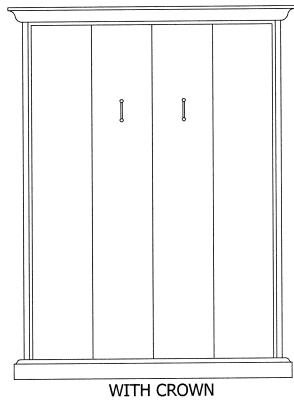


OUTSIDE-EDGE TO OUTSIDE-EDGE FINISHED VERTICAL BED CABINET DIMENSIONS

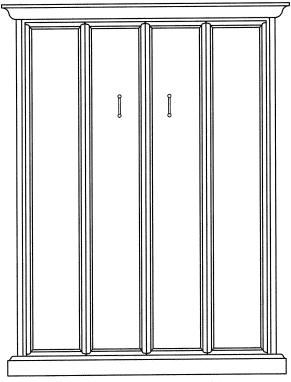
SIZE	HEIGHT	WIDTH	DEPTH	PROJECTION
TWIN	82-1/8"	44-7/8"	15-7/8"	83"
FULL	82-1/8"	59-7/8"	15-7/8"	83"
QUEEN	87-1/8"	65-7/8"	15-7/8"	87"

Some design options... or create your own!

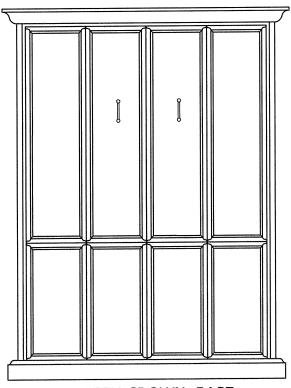




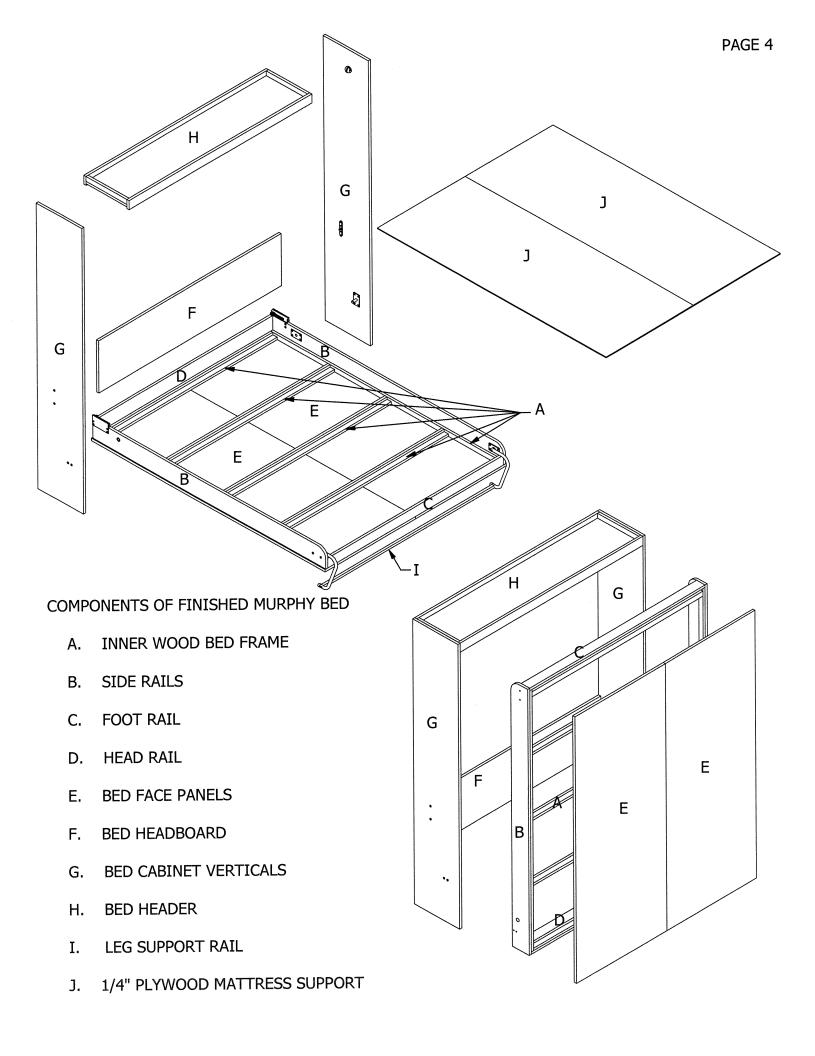
IC BED WITH CROWN
AND BASE MOLDING



WITH CROWN, BASE AND FULL-LENGTH FACE PANEL MOLDING

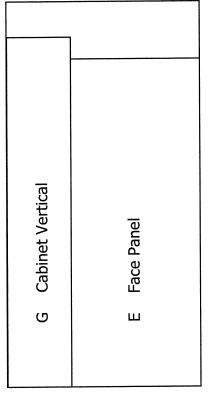


WITH CROWN, BASE AND SPLIT FACE PANEL MOLDING

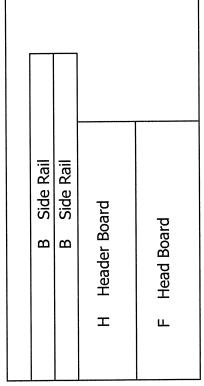


QUEEN Size Vertical Plywood Cutting Guide

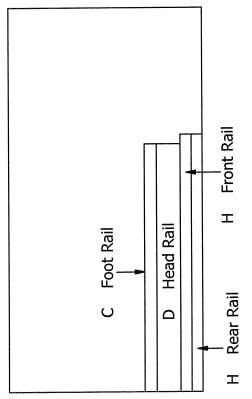
Requires: 4 sheets of 3/4" x 4' x 8' and 2 sheets of 1/4" x 4' x 8' NOTE: Refer to page 6 for the cutting dimensions.



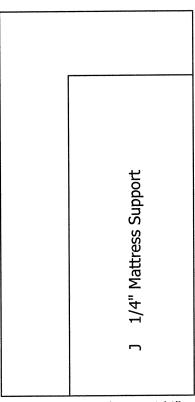
Requires 2 sheets 3/4"



Requires 1 sheet 3/4"



Requires 1 sheet 3/4"



Requires 2 sheets 1/4"

QUEEN SIZE ADJUSTABLE DELUXE KIT VERTICAL BED WITH 3/4" PLYWOOD FACE PANEL BILL OF MATERIALS / CUT SHEET

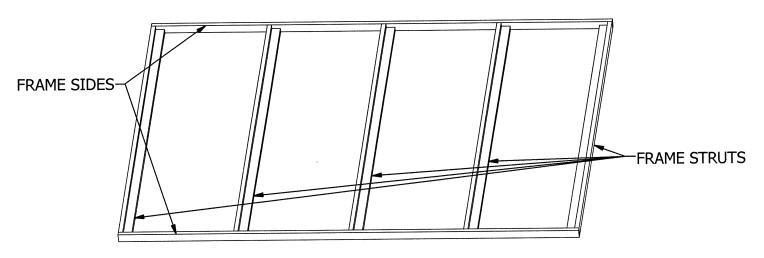
DO NOT SUBSTITUTE OTHER MATERIALS without calling Create-A-Bed toll-free FIRST

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 60-1/2"	naple, etc.* 10 pieces 2 pieces
IMPORTANT; PLYWOODB. SIDE RAILS:	MUST BE USED FOR THESE PIECES: 3/4" X 5-7/8" X 81-1/2"	2 pieces
C. FOOT RAIL:	3/4" X 3" X 62"	1 piece
D. HEAD RAIL:	3/4" X 5-7/8" X 62"	1 piece
E. BED FACE PANEL:	3/4" X 32" X 81-3/4"	2 pieces
F. BED HEADBOARD:	3/4" X 15-7/8" X 64-3/8"	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 64-3/8" 3/4" X 2-3/4" X 64-3/8" 3/4" X 2-3/4" X 64-3/8" 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 60-1/4"	1 piece
J. 1/4" PLYWOOD mattress support:	1/4" X 31" X 80"	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 PU	LLS	2 HANDLES
	FRESS MUST WEIGH between 65 sions must not exceed 60" x 80"	

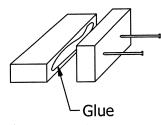
Mattress thickness CANNOT exceed 12" in thickness – including pillow top

A. INNER WOOD BED FRAME

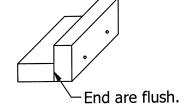
See Bill of Materials / Cut Sheet (PART A) for Twin, Full or Queen size frame struts and frame sides dimensions.

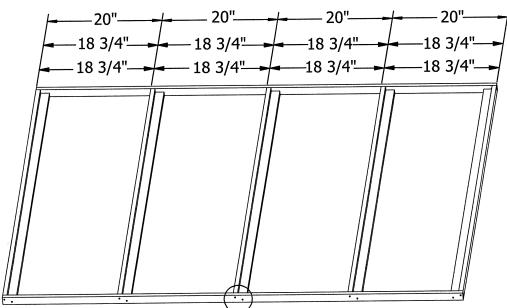


STEP 1: Construction of five (5) frame struts.



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.





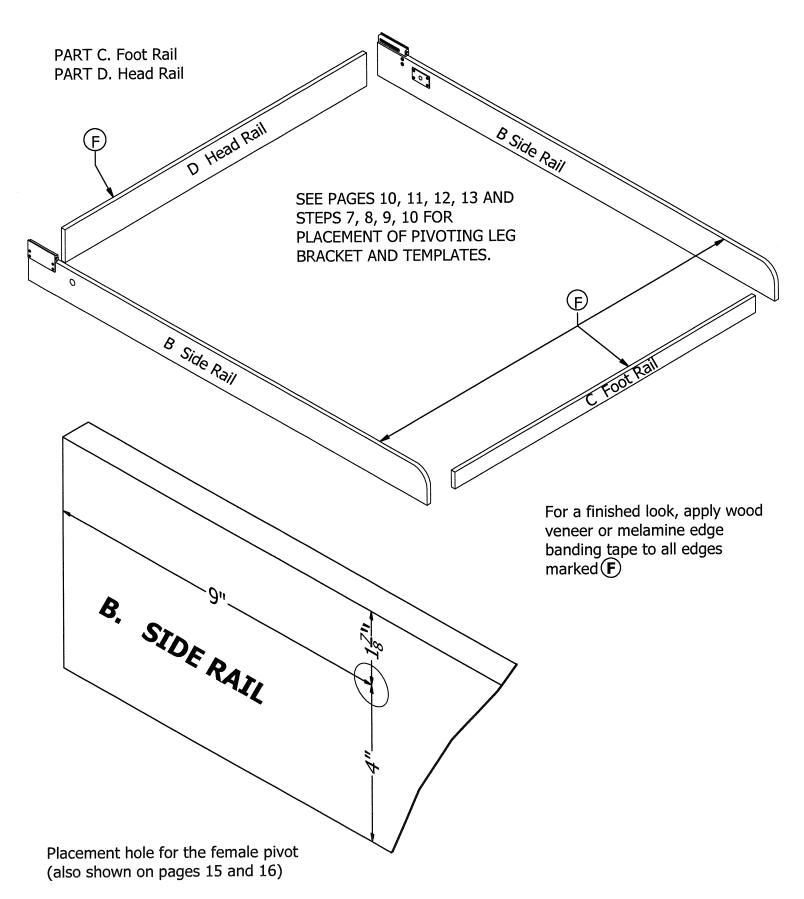
SPACING FOR QUEEN-SIZE BED
SPACING FOR FULL-SIZE BED
SPACING FOR TWIN-SIZE BED

STEP 2: Position of frame struts between frame sides.

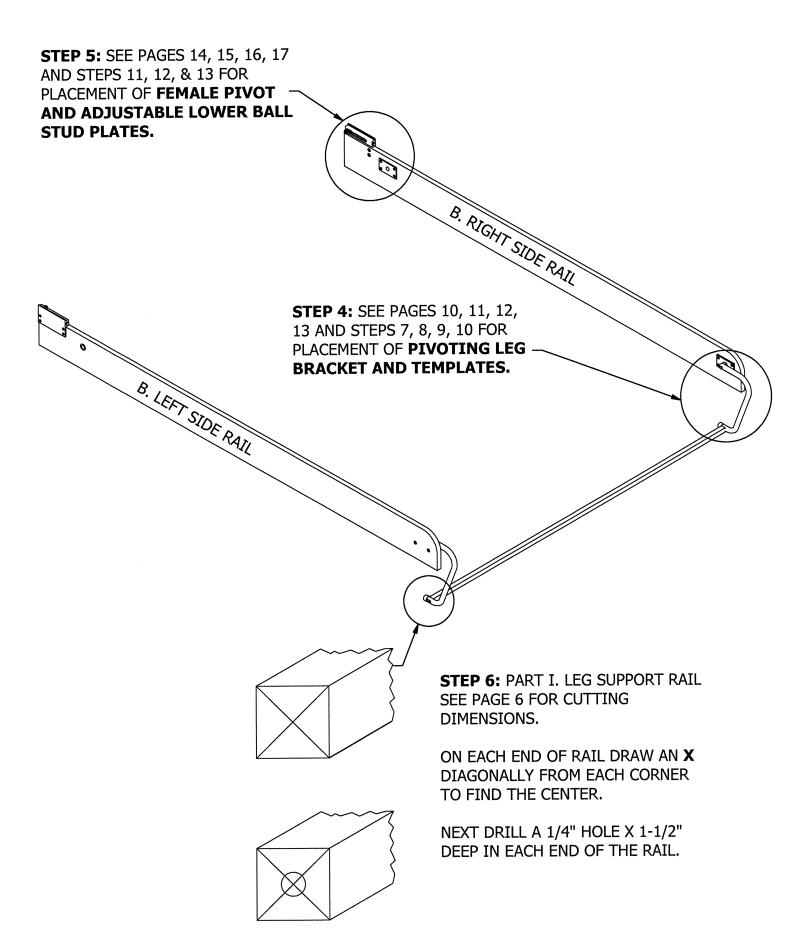
STEP 3: Mounting the frame struts between the frame sides. Using a 1/8" drill bit and countersink, drill pilot holes through the frame side into each end of the "L" shaped frame struts. Screw #8 x 2" wood screw flush.

PART B. Side Rails: MUST BE MADE OF PLYWOOD

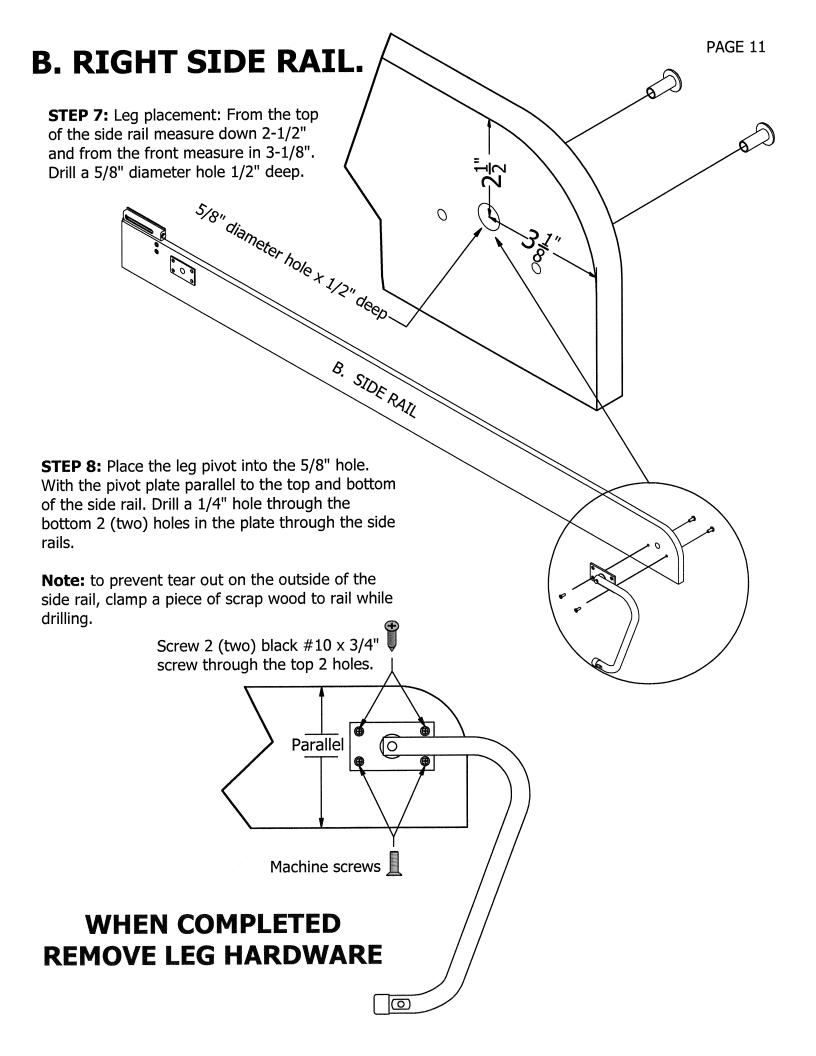
Why? This is where the stress takes place. Plywood is stronger than solid wood. YES EVEN SOLID OAK....

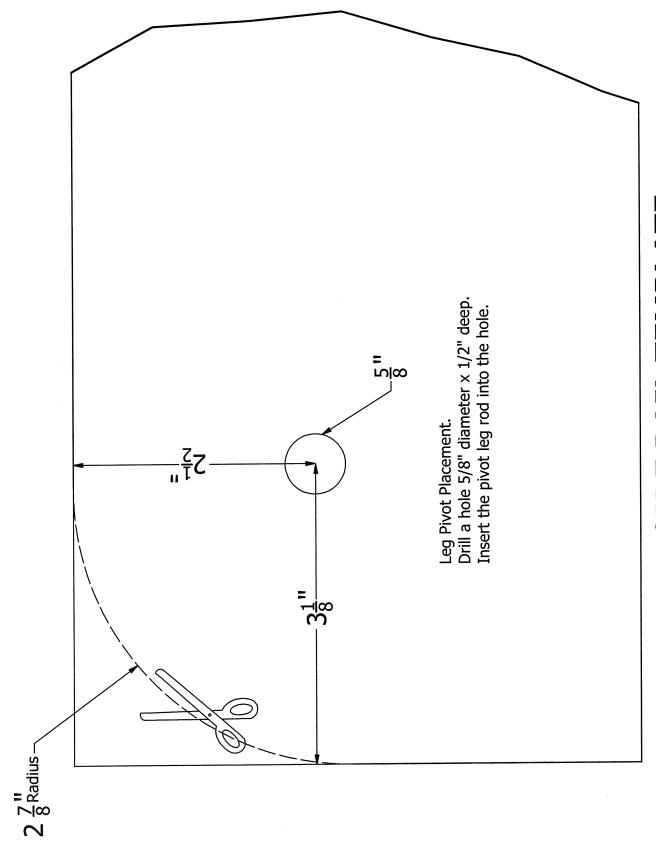


HARDWARE PLACEMENT FOR B. SIDE RAILS



RIGHT SIDE RAIL TEMPLATE



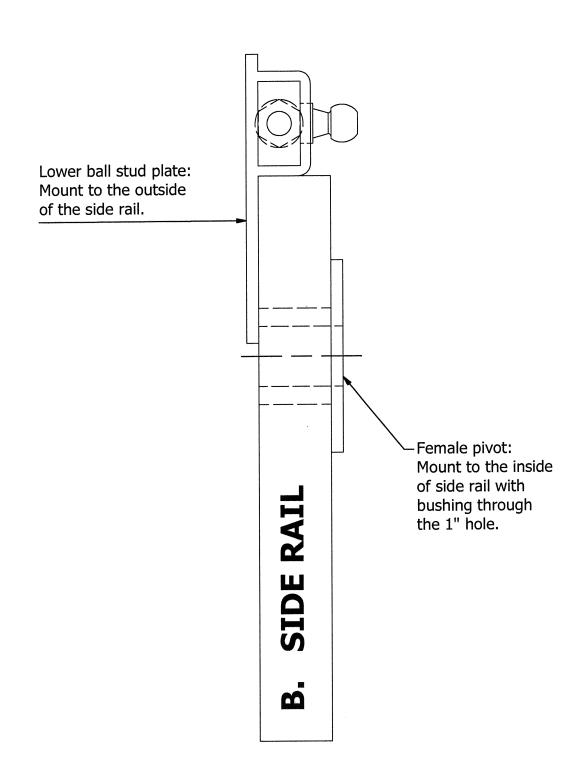


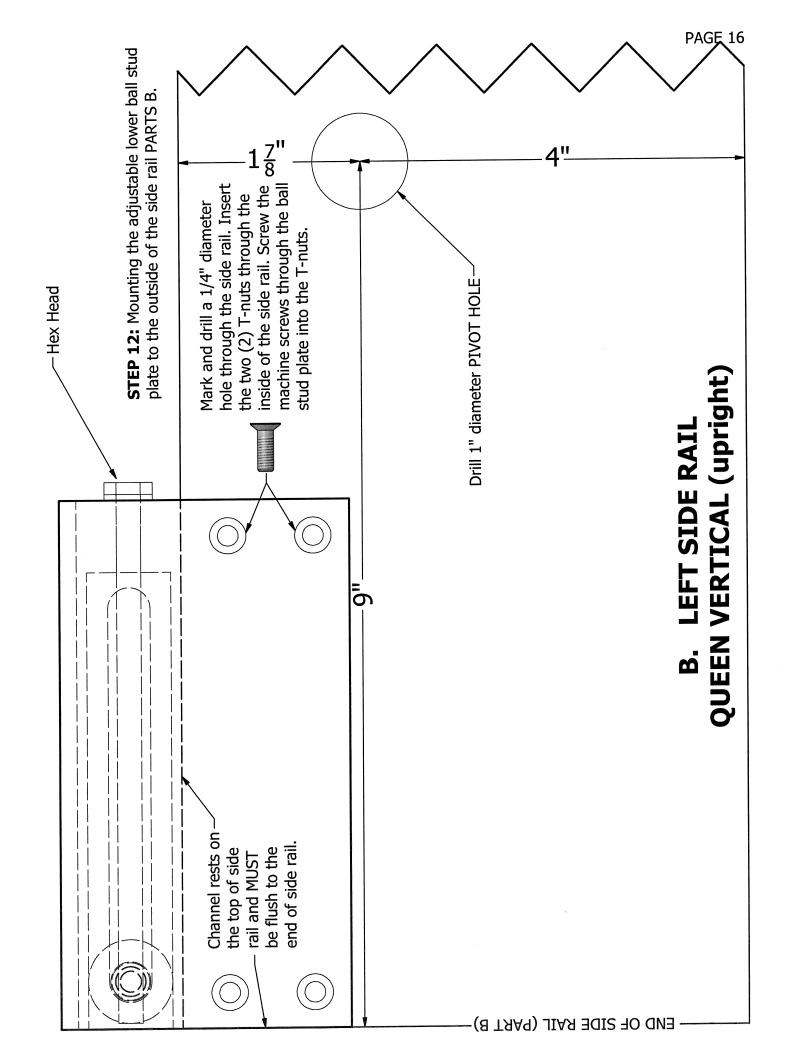
LEFT SIDE RAIL TEMPLATE

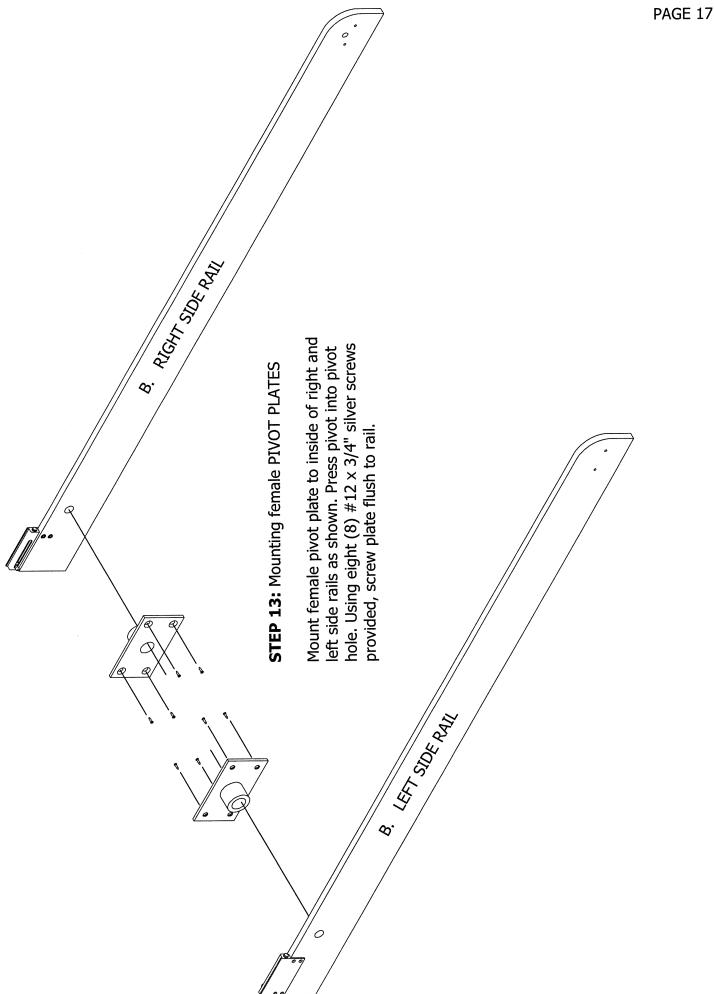
			,	

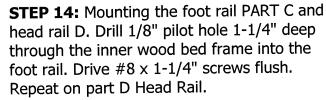
B. LEFT SIDE RAIL. STEP 9: Leg placement: From the top of the side rail measure down 2-1/2" and from the front measure in 3-1/8". Drill a 5/8" diameter hole 1/2" deep. 0 518" diameter hole x 1/2" deep B. SIDE RAIL STEP 10: Place the leg pivot into the 5/8" hole. With the pivot plate parallel to the top 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. <u></u> Parallel Machine screws WHEN COMPLETED **REMOVE LEG HARDWARE** (O)

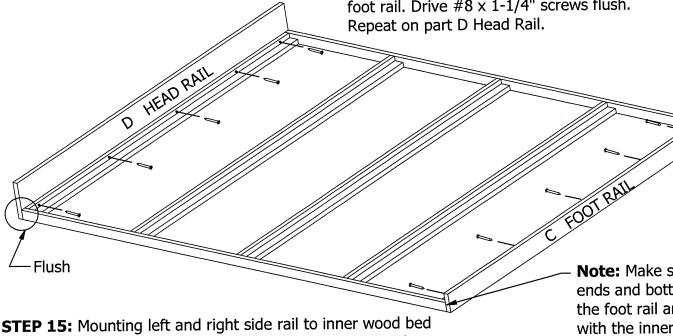
This page pertains to the orientation and mounting positions of the lower ball stud plates and female pivots, **USE WITH PAGE 15**, **16**, **& 17**





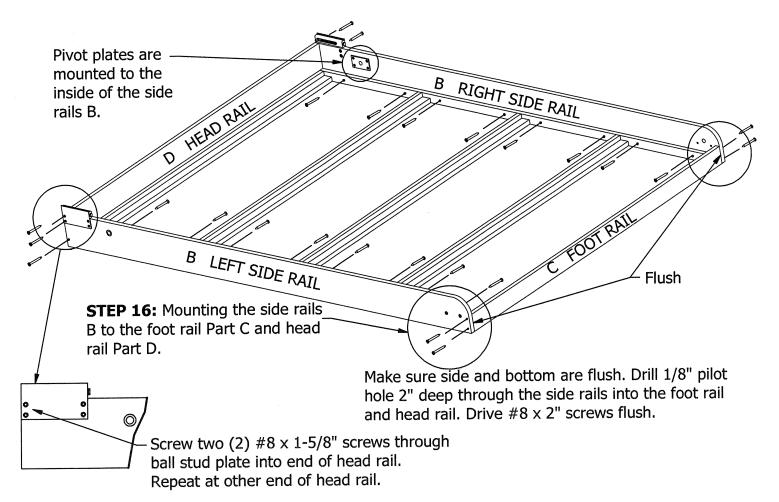






STEP 15: Mounting left and right side rail to inner wood bed frame. Using an 1/8" drill bit, drill two holes between each strut (total of 8 holes per rail) 1-1/4" deep through the frame side into the side rails. Drive $\#8 \times 1-1/4$ " wood screws flush, snugging inner wood bed frame to the side rail.

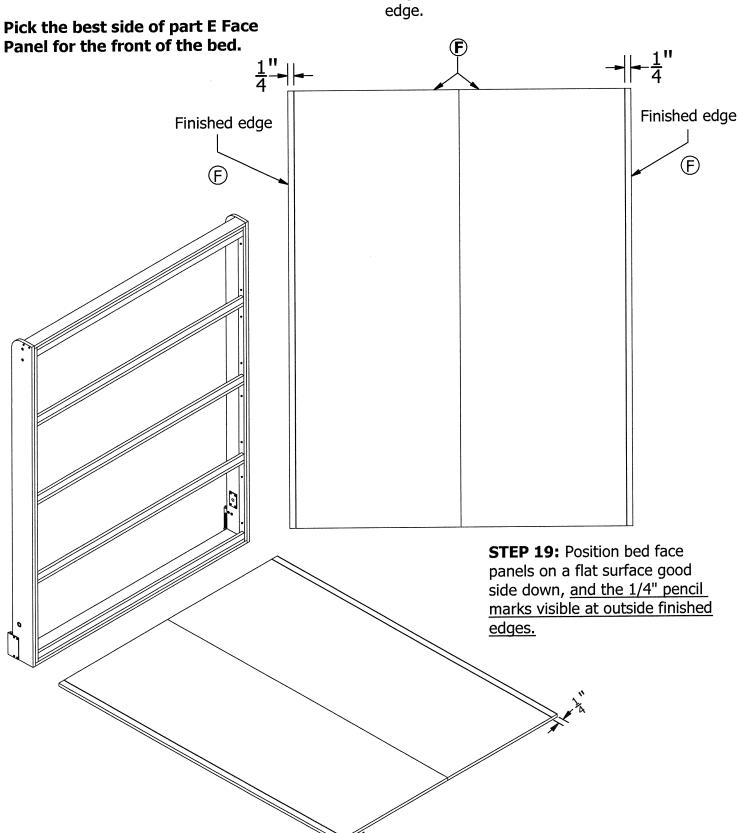
Note: Make sure the ends and bottoms of the foot rail are flush with the inner wood bed frame.

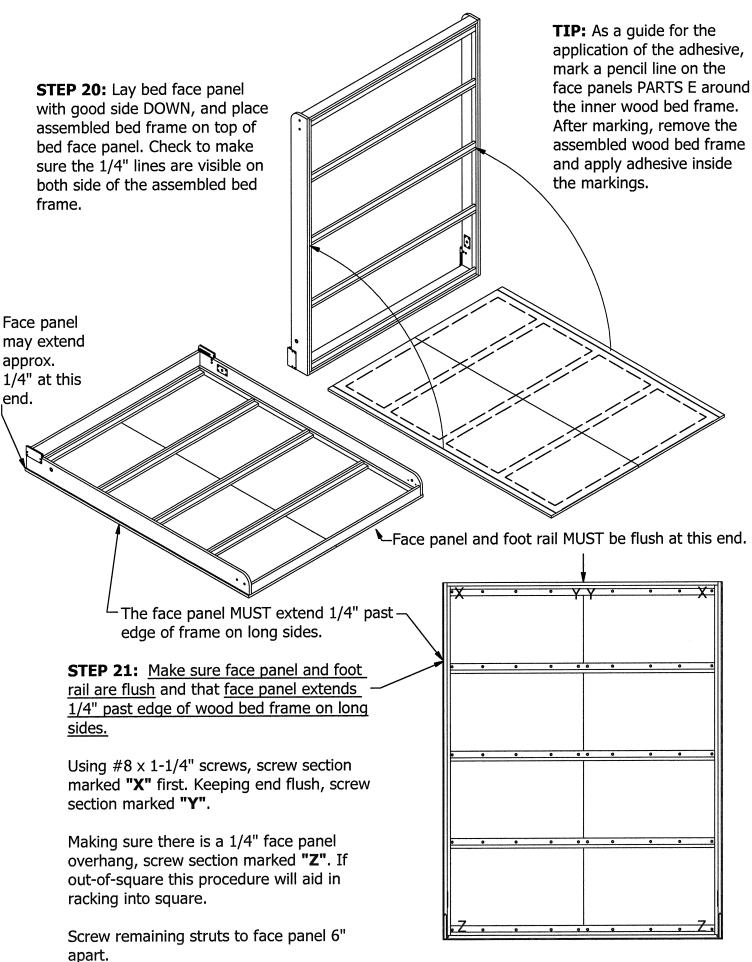


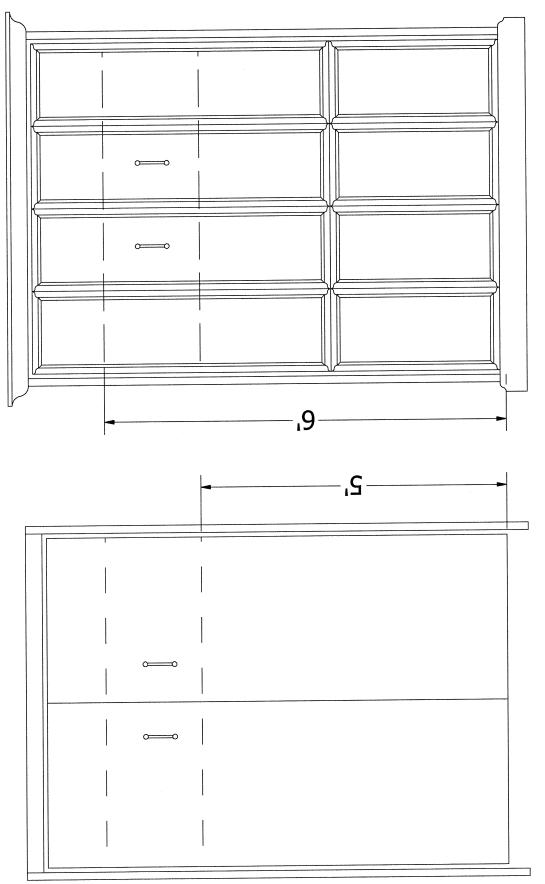
STEP 17:

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

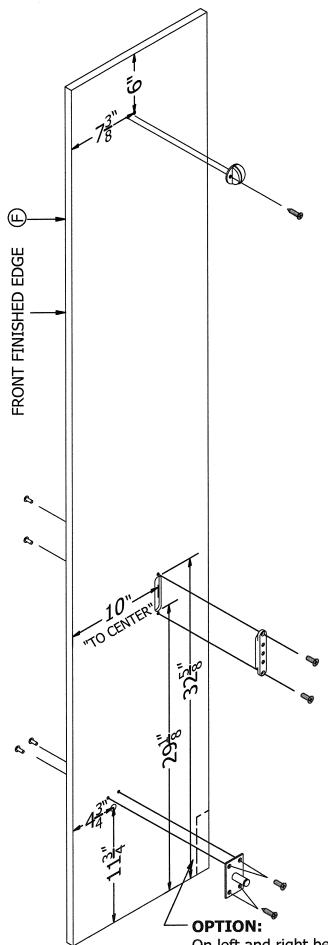
STEP 18: Turn face panels over. On back side, mark a 1/4" line the full length of the panel along finished long edge.







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 Queen 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 Queen Vertical (Upright).

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

STEP 25:

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 26:

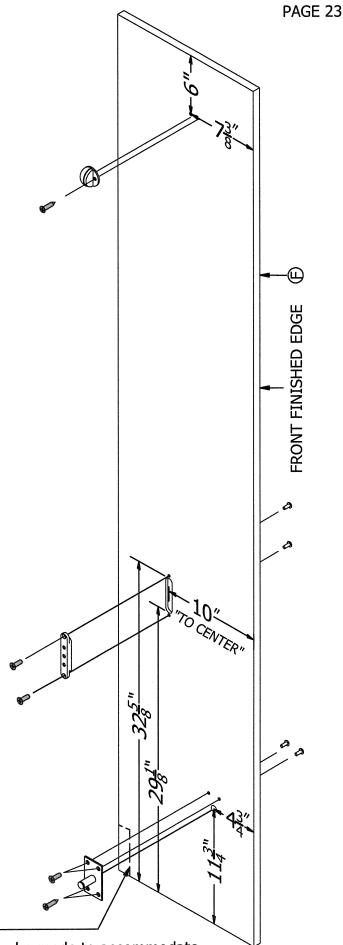
ADJUSTABLE UPPER BALL STUD PLATE: Rout out 3/4" x 1/4" deep x 3-1/2" long and insert the adjustable upper plate into hole. Drill 1/4" holes through the mounting locations and secure with "T" Nuts and machine screws.

STEP 27:

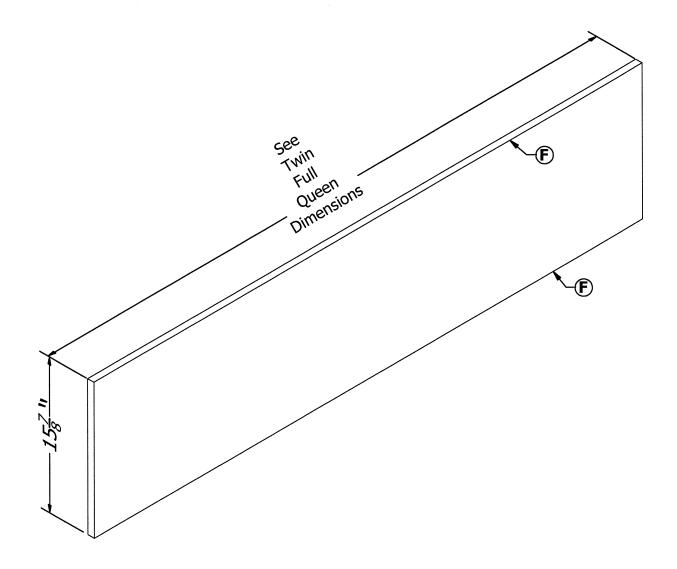
MALE PIVOT PLATE: Drill a hole 5/8" diameter x 1/2" deep. Insert the 1/2" end of rod into hole. Drill two (2) holes 1/4" diameter through the vertical using the upper holes in the pivot plate as a guide. Tap "T" Nuts into two (2) upper holes from outside, then screw 1/4" machine screws through pivot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



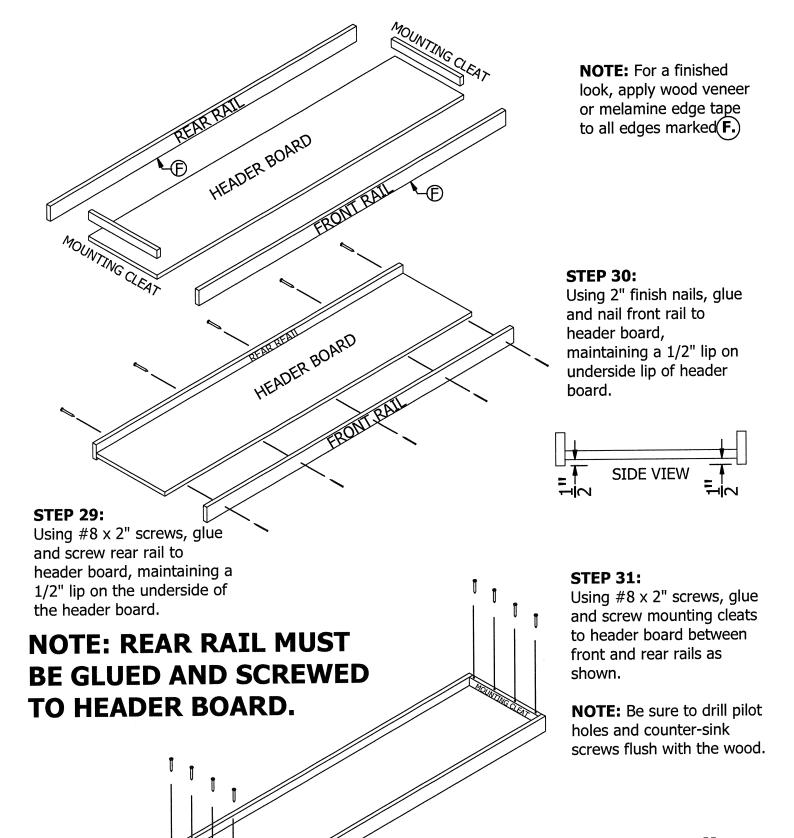
PART F: BED HEADBOARD



STEP 28:

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

PART H: BED HEADER COMPONENTS



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

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