

# SAFETY WARNINGS

## RH23 Bed with Center Stretcher

RH23 beds are designed for nine different configurations. For safety, beds should be only configured in one of these nine styles and are not to be assembled in any other manner. For proper assembly of the bed frame please follow the RH23 Bed Assembly Instructions attached as it relates to your particular choice of bed style.

1. Each bed has been designed for a specific mattress size so that no greater than 1" is left between the mattress and the bed end structure to prevent the likelihood of serious injury or fatalities due to entrapment or falls. The table below specifies the appropriate and only mattress size to be used with each bed. **Absolutely do not use a different mattress size!**

<u>ITEM#</u>	<u>NOMINAL MATTRESS SIZE</u>	<u>NOMINAL MATTRESS THICKNESS</u>
RH23LBM3674	36" x 74-75"	No less than 7"
RH23LBM3680	36" x 80"	No less than 7"
RH23LBM3874	38" x 74-75"	No less than 7"
RH23LBM3880	38" x 80"	No less than 7"
RH23LBO3674	36" x 74-75"	No less than 7"
RH23LBO3680	36" x 80"	No less than 7"
RH23LBO3874	38" x 74-75"	No less than 7"
RH23LBO3880	38" x 80"	No less than 7"

2. Guardrails are available and **required** for bunking or lofting beds. Check with your Student Housing staff. Guard rails are to be used on **both** sides of the top bed when bunked or lofted. Top boring pattern is for safety rails only when bunked or lofted.
3. Top surface of mattress must be at least 5" (five inches) below the upper edge of the guardrails if guardrails are in use.
4. Do not allow children under six years of age to use the upper bunk.
5. Periodically check and ensure that the guardrails, ladder, and other components are in their proper position, free from damage, and that all connectors are tight. Eight bolts with washers should be used to secure head boards to rails for each RH23 bed frame. Four each 1/4" diameter x 3-1/4" long steel pins should be used--one at each bed post connection--when lofting or bunking RH23 Beds.
6. Do not allow horseplay on or under the bed and prohibit jumping on the bed.
7. Only use the built-in ladder formed by the end slats of the bed boards or the ladder provided for entering and leaving the upper bed if in a loft or a bunk.
8. Do not use substitute parts. Contact your Student Housing staff for substitute or repair parts. You may contact us directly for information.

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9. Do not use any foreign objects or additional items to assemble beds.
10. Refrain from putting bed up on blocks or elevating bed with items other than a supporting RH23 bed frame.
11. The use of water or sleep flotation mattresses is prohibited.
12. Beds without center stretchers are to have the bed decks screwed down with a minimum of four screws. If the bed utilizes a 3-piece deck, screw in the center board with a minimum of two screws per side. If the bed uses a one-piece deck without the center stretcher, secure the deck to the rail cleats using two screws spaced evenly along each side. Please see drawing attached.
13. Keep these instructions for future reference.



# **RH23 ASSEMBLY INSTRUCTIONS**

## **DO NOT OVER TIGHTEN! RAILS WILL SPLIT!**

Each bed comes with the following:

Two each 37" headboards and two bed rails,  
One center stretcher deck support (older beds do not have center stretchers)  
One three-piece or one single-piece plywood deck.  
One hardware kit containing: 4 ea 4"-bolts & washers, 2 ea 3-1/4" bunking pins, four bed decks screws or two center stretcher joint connector bolts.  
(You may need to check out bunking pins from the Student Housing Staff)

Tools necessary for assembly:

An electric or battery operated 1/4" drill.  
An extension with 2" socket for use with the drill to tighten down 4" bolts.  
An extension with a (p2) Phillips tip to screw in the bed deck.  
A straight slot screw driver to adjust steel cross dowels in rail if needed.  
5/32 mm hex driver for joint connector bolt if bed comes w/center stretcher.

### **For configurations 1-5 follow these instructions:**

1. Place the two headboards and two bed rails on the floor in the general configuration desired. The RECESS, which accepts the washer, should be towards the outside.
2. Insert the bolts and washers through the headboards into the rails, two per rail at each end. The rail cleats, which support the bed deck, should be towards the inside. Tighten down snug with a power drill and 2" socket extension.  
***DO NOT CINCH; RAILS WILL SPLIT!***
3. Attach center stretcher in between side rails and tighten down.
4. Place the 3-piece bed deck evenly distributed across rail cleats providing ventilation for mattress. Or, place the one-piece deck on rail cleats. Bed is ready for mattress.  
***\*Please Note:*** If a center stretcher is used to secure the bed rails together, it is not necessary to screw down the bed decks.
5. Center stretcher must be attached after side rails during assembly and removed first before removing side rails in disassembly.

### **For bed configurations 6-9 follow these instructions:**

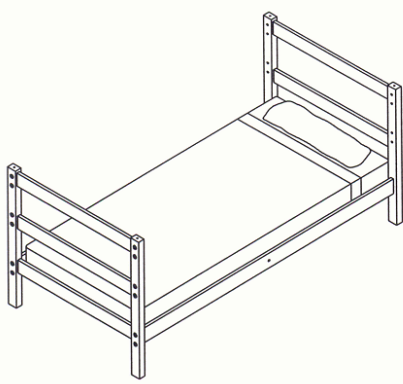
1. Begin by assembling the lower bed frame of the loft or bunk. Place the two headboards and two bed rails on the floor in the general configuration desired. The boring pattern, which accepts the washer, should be towards the outside.
2. Insert the bolts and washers through the headboards into the rails, two per rail at each end. Attach center stretcher. In a bunk bed position, use the bottom boring position for the lower bed. The rail cleats which support the lower bed deck should be towards the inside. In a loft bed configuration, the bed rails are attached on one side at the top and bottom with the cleats positioned towards the outside. Tighten down snug with a power drill and 2" socket extension.  
***DO NOT CINCH!***
3. Place four 3 1/4" steel bed pins in each post of bottom bed. Pins may need to be check out from your residence staff. For safety, do NOT use any other substitute for these pins.



4. Assemble top bed per desired configuration on the floor next to the bottom frame using the same directions as #1-#2 above.
5. With a person at each headboard, lift the top bed onto the bottom bed placing each bed post over the pins. **BE VERY CAUTIOUS OF PINCHING A FINGER BETWEEN THE TOP AND BOTTOM BED POST AS THEY SLIP OVER THE PINS.**
6. Place the 3-piece bed deck evenly distributed across rail cleats providing ventilation for mattress. Or, place the one-piece deck on rail cleats. **\*Please Note:** If a center stretcher is secured between the bed rails, screwing the bed deck down to the rail cleats is not necessary.
7. Place Mattress onto bed.

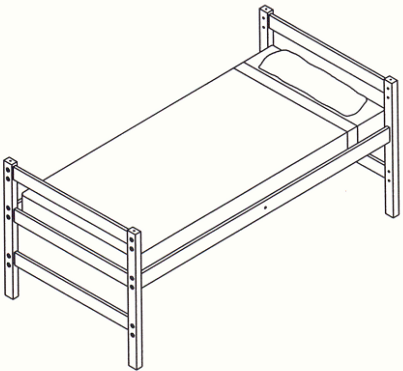
## 1. Single Bed

Rails placed on bottom boring pattern



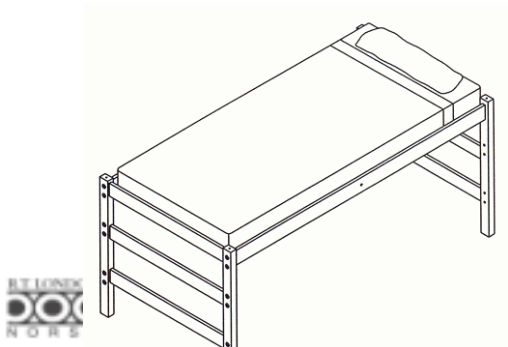
## 2. Elderhostel Bed

Headboards right side up. Rails in middle pattern.



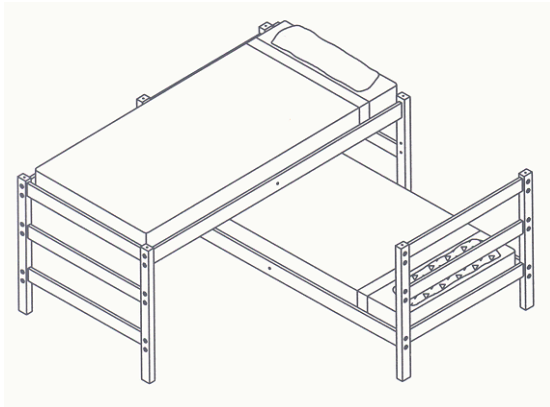
## 3. Captain's Bed

Rails placed on top boring pattern. A 3-Drawer Dresser can be positioned under the bed.



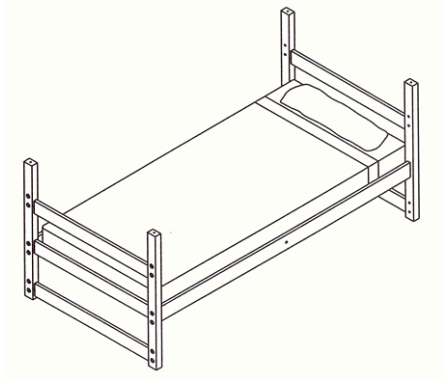
#### 4. **L-Shaped Beds**

Rails on bottom for one bed, rails on top for other bed. A 3-drawer dresser can fit beside lower bed.



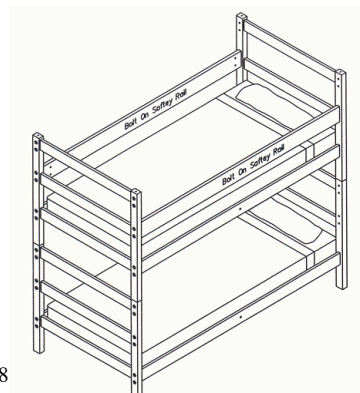
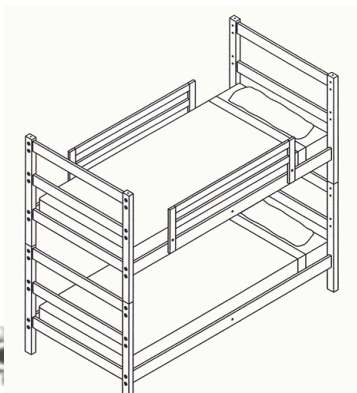
#### 5. **Barrier Free Bed**

Headboards are turned over. Rails use middle boring pattern. Mattress height is approx. 22".



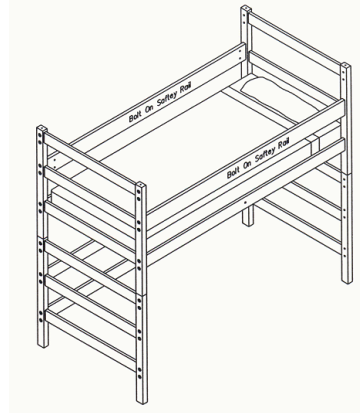
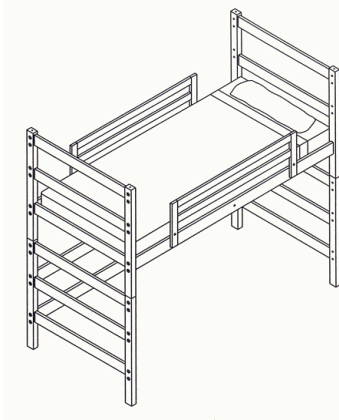
#### 6. **Low Bunk Bed**

Rails on bottom for lower bed, bottom for top bed.



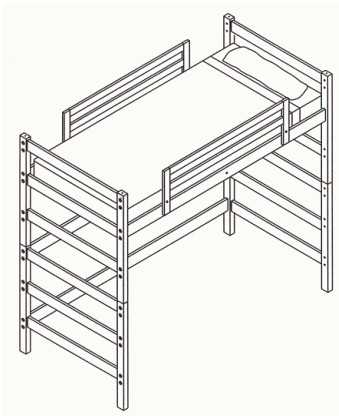
## 7. Low Loft

Rails on back lower and middle pattern, on lower for top bed.



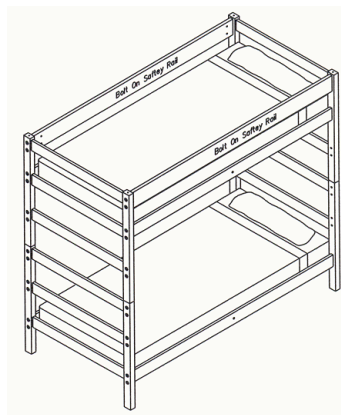
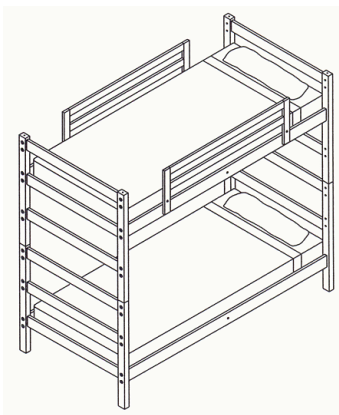
## 8. High Loft

Rails on the back lower and top pattern for supporting frame.  
Rails on the middle pattern for the top bed. A desk and dresser  
can be positioned below the high loft.



## 9. High Bunk Bed

Rails on bottom for lower bed, middle for top bed.



# **Safety Rail Installation**

## **Clamp On Safety Rail:**

Description: This rail has two clamps which are designed to fit directly onto the wood side rail of the bed. Components of the safety rail consist of a wood rail with two holes at both ends, two bolts which fit through the bottom holes, two steel angles with a hole, which receives the threads, and a nut to tighten the clamp.

Installation: Put the bolts through the bottom holes of both ends of the rail (there is no front or back at this point). Place the steel angles onto the threads of the bolt, making sure that the inside of the angle is facing the rail (see drawing). Put the nut onto the end of the threads, but do not tighten yet. Slip the rail onto the bed rail, making sure that the angles are toward the sleep surface. Reach around the rail and tighten the nut until the rail is secure. Two rails are required.

## **Bolt On Safety Rail:**

Description: This rail is 80" in length and 7" wide, and is designed to be secured to the highest position on the headboard (when bunked or lofted). It is secured in the same manner as the actual side rails of the bed. Four 4" bolts and four washers are needed to attach the rail to the bed.

Installation: Hold rail such that the holes at both ends are aligned with the holes at the top of the headboard. (There are three positions at which the bed can be assembled). For aesthetic purposes, the wood cleats attached to the side of the rail should be facing the sleep surface. Put the bolts with washers through the headboards and into the rail (two per rail at each end). Tighten down snug with a power drill and 1/2" socket extension. Do not cinch; Do not over tighten; Rails will split!

