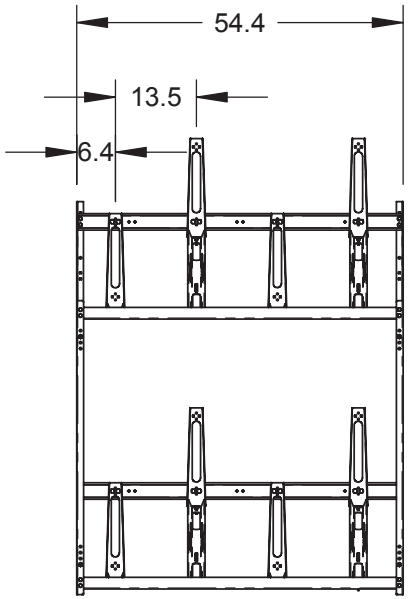
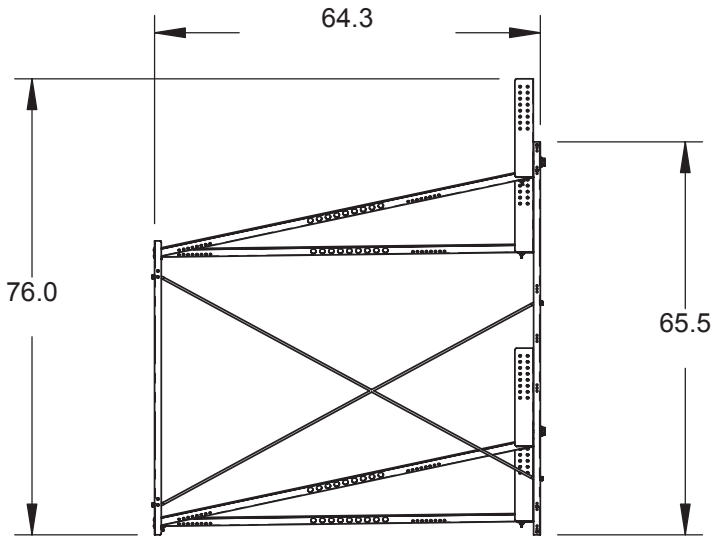
Specifications and Assembly Instructions for item 116-1058



Front View



Side View

NOTE:

1. DO NOT SCALE DRAWING.
2. INTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. MINIMUM CEILING HEIGHT - 8' 0".

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PHONE: 561.620.7878• FAX: 561.620.8668

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PLANNING YOUR BIKE STORAGE ROOM

A Bike storage facility at your condo, apartment complex, residence or workplace can be one of the most used areas on the property. More people are using cycling as a way to stay healthy, save money and stay out of traffic jams. Because of the increased numbers of bicycle commuters, there is a rising need and responsibility to provide adequate bike parking at your facility. Having the right plan for your Bike Room will ensure it is a convenient and efficient space to store bicycles securely.

LOCATION :

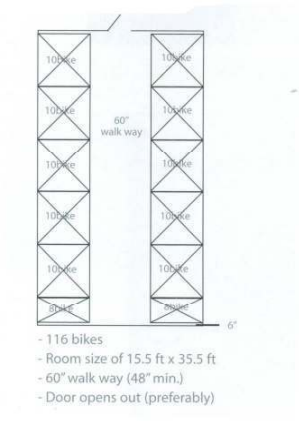
The right location can ensure convenience as well as added security. Locate the room near an exit and avoid any steps or narrow hallways cyclists would have to navigate. Handicap accessible doors can be helpful for getting bikes into the building. If you have an automatic door already, try to utilize it as a bike entrance.

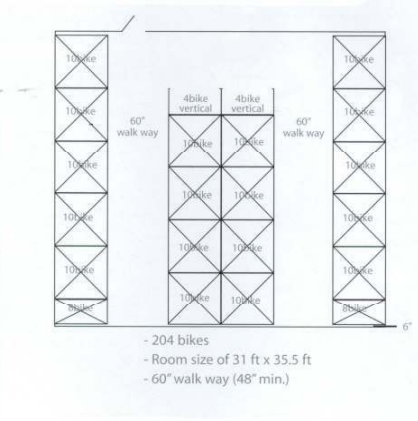
FLOOR PLAN:

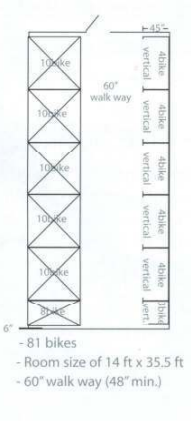
Although you may be tempted to fit as many bikes as possible in the space, not providing enough walkway space in the room can make it difficult to move and park bikes. A 5-6ft. walkway is ideal, but where space is tight, a 48-inch minimum is recommended. As seen in the sample floor plans below, a 6 inch clearance from the wall is recommended to provide adequate space for bikes in the last bike position adjacent to walls. White mechanical fixtures like low hanging pipes, support beams, and electrical or plumbing access points may not always be present, proper planning can make sure affected space is efficiently utilized. Reference the product features chart on this page for footprints, ceiling height minimums and other details.

SECURITY :

Limiting the access of the Bike Room to authorized users will drastically reduce the possibility of theft. If the site is in an open space, like a parking garage or warehouse, a chain link cage can be a simple, low cost solution to add security. Be sure the site has adequate lighting and consider the use of security cameras.







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Double-Decker Bike Rack

Assembly Instructions

Tools Required:
-Tape Measure
-9/16" deep well socket
-7/16" deep well socket
-Socket Wrench

Parts List:

	10bike	8bike	6bike
A. Tall Angle Iron (rear corner)	2	2	2
B. Short Angle Iron (front corner)	2	2	2
C. U-Channel, Back Horizontal	2	2	2
D. L-Channel, Front Horizontal	2	2	2
E. Horizontal Wheel Tray	10	8	6
F. Vertical Wheel Stabilizer	10	8	6
G. Cross brace (gold)	4	4	4
H. Lockbar (models 8100 series only)	10	8	6
I. Bolt 1/2"	40	36	32
J. Bolt 1.5"	20	16	12
K. Wheel stop pin	10	8	6
L. Washer	10	8	6
M. Kep nut ¼"	60	52	44
N. Lock nut 3/8"	8	8	8

Hardware

I - Bolt 1/2"

J - Bolt 1.5"

K - Wheel stop pin

L - Washer

M - Kep nut ¼"

N - Lock nut 3/8"

Figure 1

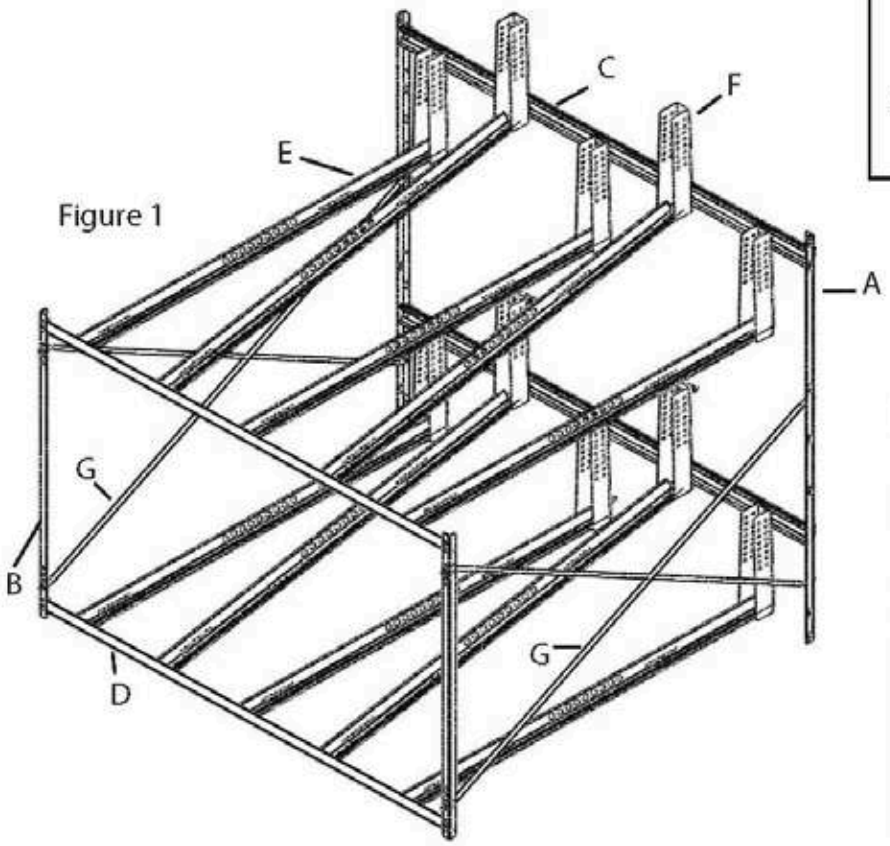
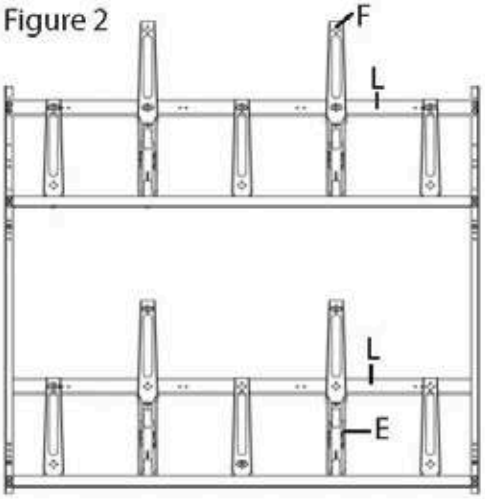


Figure 2



-Step 1: Rear Frame Assembly

Using rear vertical corner (part A) attach U-channels (part C) as seen in Figure 3 and 3a. Mount bottom U-channel 15 3/4" from floor. Mount top U-channel 60 3/4" from floor. Finger tighten with 1.5" carriage bolts (hardware I) and Kep nuts (hardware M).

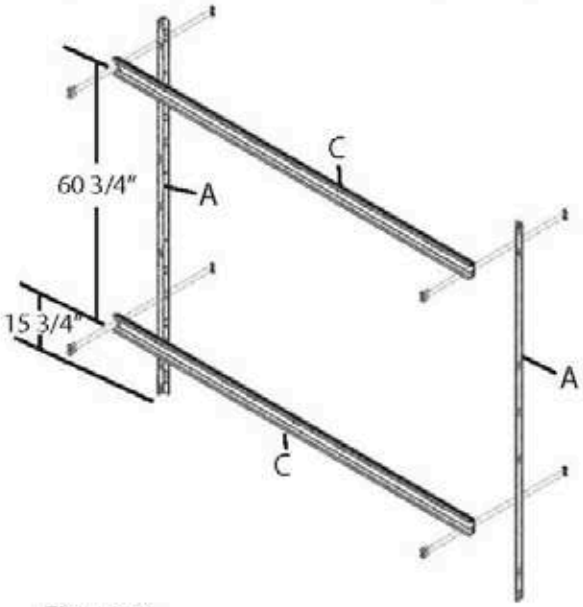


Figure 3

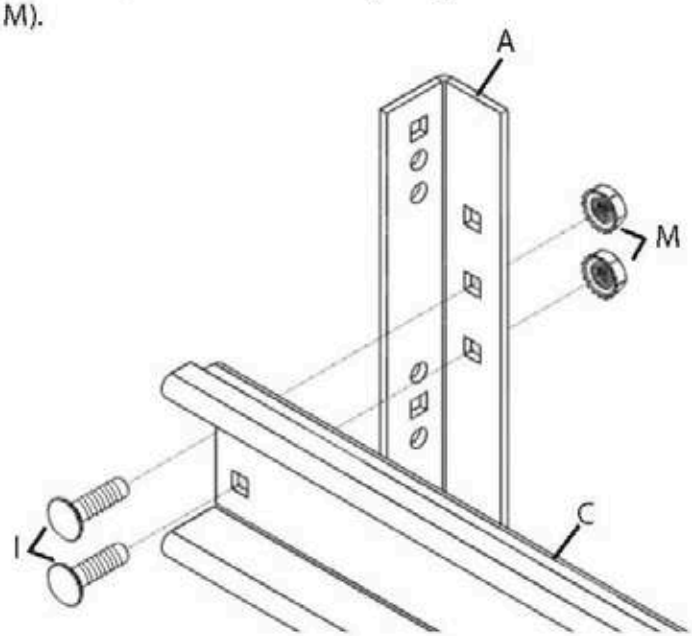


Figure 3a

-Step 2: Front Frame Assembly

Using front vertical corner (part B) attach L-channel (part D) as seen in Figure 4 and 4a. Mount bottom L-channel 1 1/8" from floor. Mount Top L-channel 46 1/8" from floor. Finger tighten with 1.5" carriage bolts (hardware I) and Kep nuts (hardware M).

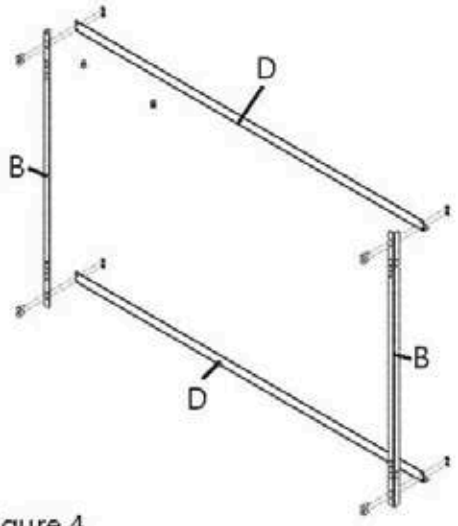


Figure 4

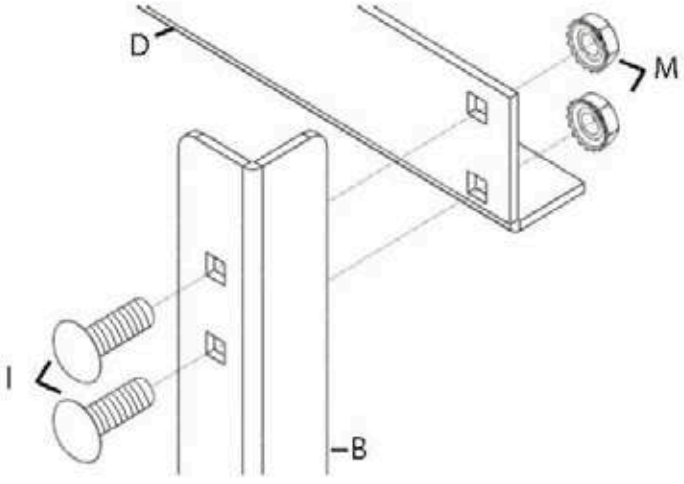


Figure 4a

-Step 3: Attaching front and rear frames

First attach two cross rods (part G) to front vertical corner at 5" and 42" from floor using 3/8" Locknut (hardware N). Next, attach the other end of the cross rods to rear vertical corner (part A) at 9 ½" and 38 ½" from the floor as seen in Figure 5. Repeat assembly for second side. Location of cross rods on front vertical corners are adjustable to set rack parallel to wall.

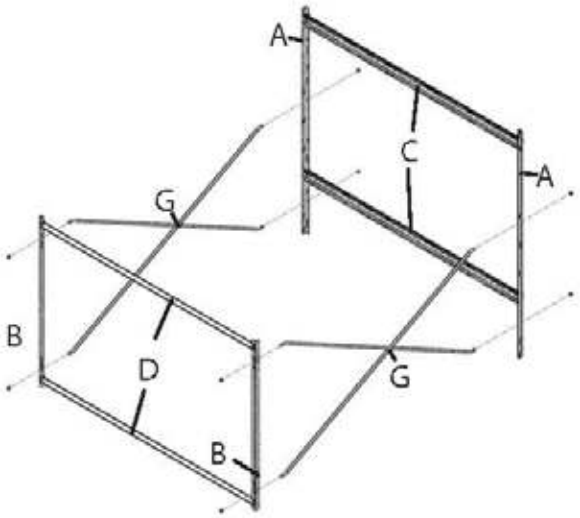


Figure 5

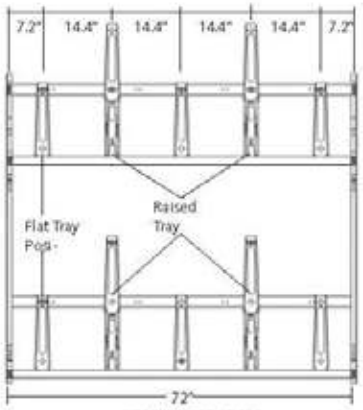
-Step 4: Planning Bike tray layout

Alternate wheel trays from raised position to flat position to space handlebars and minimize interference with adjacent bikes.

Bike Tray Requirements:

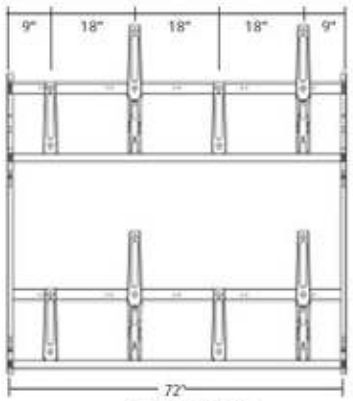
	10 bike 116-1057	8bike 116-1085	8 bike 116-1058	6bike* 116-1059
Flat trays needed	6	4	4	4
Raised trays needed	4	4	4	2
Bike spacing	14.4"	18"	13.5"	18"

*These models can be upgraded to hold an additional 2 bikes per rack by reducing bike spacing.



116-1057

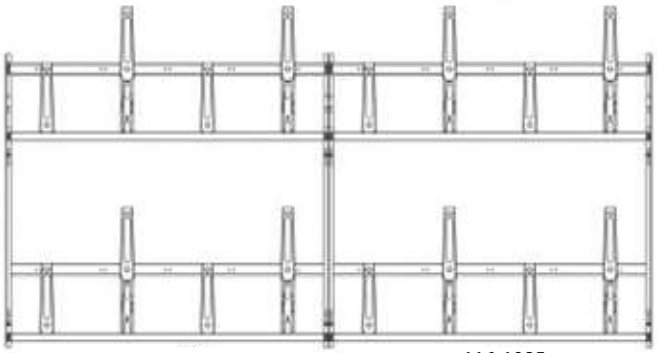
Figure 6



116-1085

Figure 6a

Note: For multiple units, assembly should be modified to continue staggered positions. Four additional bolt I and Nut M are included to connect parts A and B for adjacent setups.



116-1085 116-1085

Figure 7

-Step 5: Bike Tray Assembly

Flat tray assembly:
Attach Horizontal Wheel Tray (Part E) to Vertical Wheel Stabilizer (Part F) using the second square hole from the end. Use a 1.5" carriage bolt, washer and kep nut, finger tight.

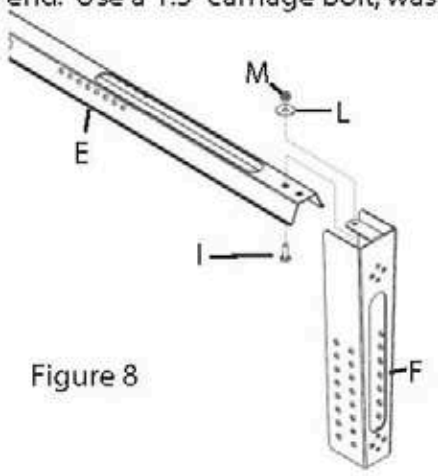


Figure 8

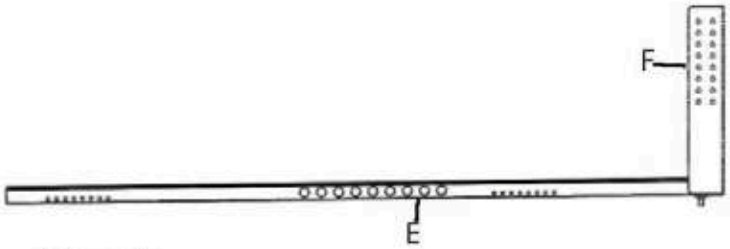


Figure 8a

Raised tray assembly:
Attach Horizontal Wheel Tray (Part E) to Vertical Wheel Stabilizer (Part F) using the first square hole from the end. Use a 1.5" carriage bolt, washer, and kep nut, finger tight.

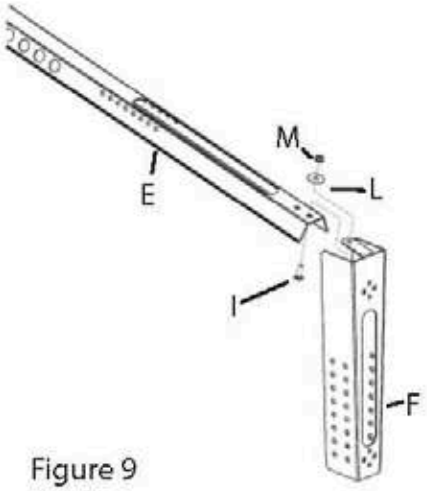


Figure 9

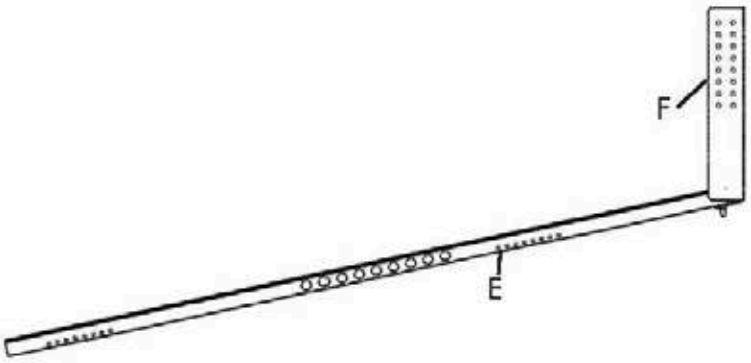


Figure 9a

-Step 6: Mounting bike trays to frame

Flat tray attachment:

Using a flat tray assembly from step 5, attach to front L-channel (part D) through round hole located second from the end on the bike tray. Mount lanyard of the wheel stop pin (part K) between L-channel and horizontal wheel tray. Attach vertical tray through top mounting holes to rear U-channel (part C) using 1.5" bolts and nuts. See Figure 1

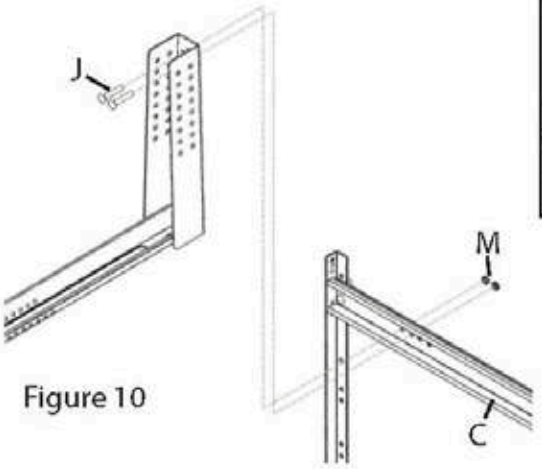


Figure 10

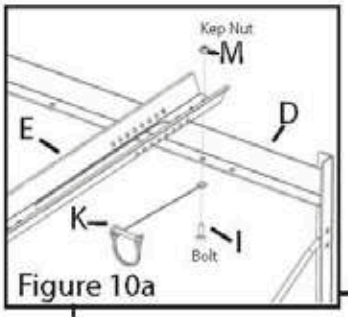


Figure 10a

LOCK

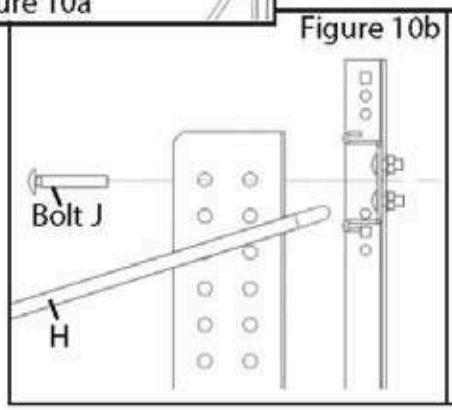


Figure 10b

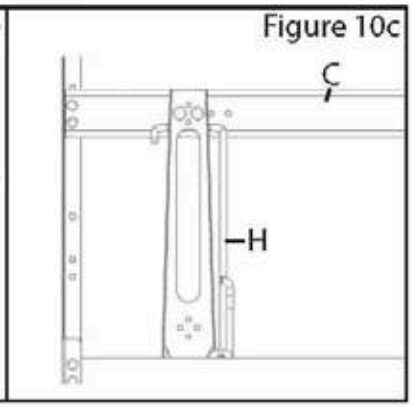


Figure 10c

Raised tray attachment:

Using a raised tray assembly from step 5, attach to front L-channel (part D) through round hole located closest to the end on the bike tray. Mount lanyard of the wheel stop pin (part K) between L-channel and horizontal wheel tray. Attach vertical tray through bottom mounting holes to rear U-channel (part C) using 1.5" bolts and nuts. See figure 11 and 11a for spacing.

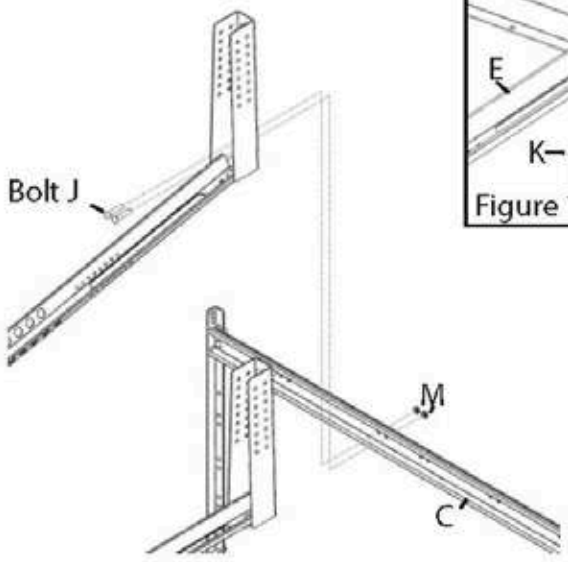


Figure 11

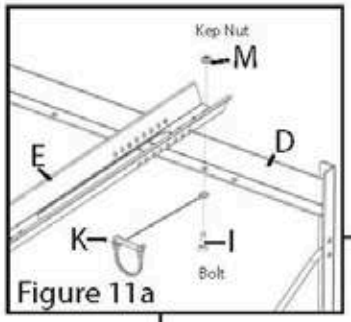


Figure 11a

LOCK

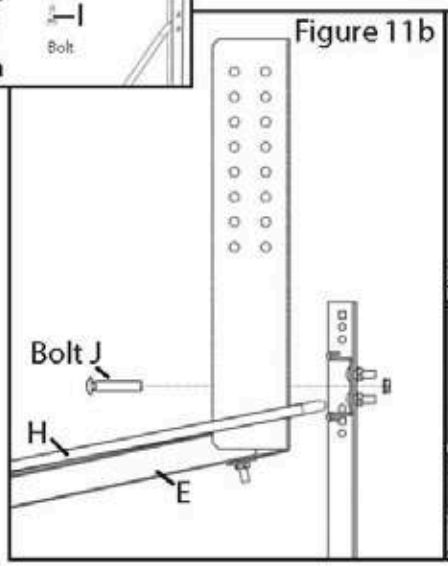


Figure 11b

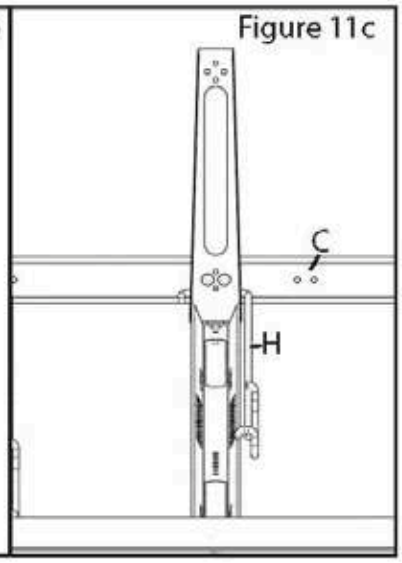


Figure 11c

-Step 7: Final check

• Double check location and assembly of all parts, reference Figure 1. Then tighten down all nuts snuggly with ratchet. Move rack into final location.

• Adjust cross braces as needed to ensure the rack is square and parallel to the back wall.

User Tips:

1. Always load bikes handlebar first. This will elevate the front wheel of every other bike, staggering the handlebars. Wider handlebars will work best when loaded on the elevated bike positions

2. Lock bikes with a user-provided lock for any model as shown in figure 12.

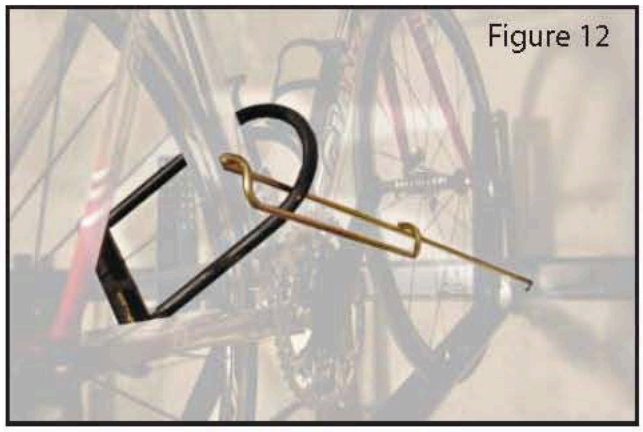


Figure 12

3. For maximum stability, it is important for the bike to be positioned all the way forward in the vertical wheel tray. Some bikes will require wheel stop pin to be placed through the horizontal wheel tray to keep the bike in this position. The need and location of the wheel stop pin will vary depending on wheel size as well as bike size.

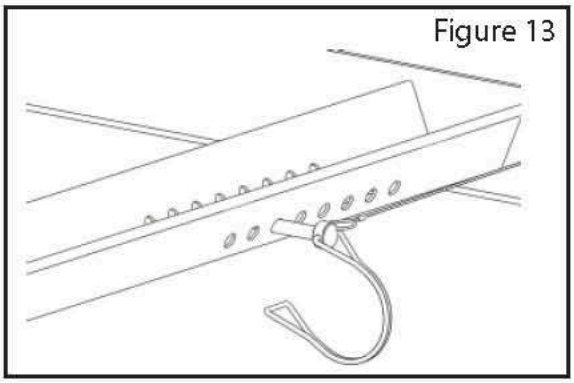


Figure 13