
QUICK RAMP SYSTEM

Check the Order.

Make sure that all of the parts required are included in your shipment BEFORE going to the job site. A packing slip is included with your order. Please take the time to check that all of the parts arrived and are in good condition. If you have any damaged or missing parts that are listed on the packing slip, IMMEDIATELY call the carrier that delivered your order and note the damaged or missing parts.

Read the Instructions.

Take the time to completely read the instructions on how to assemble the ramping system. It may answer some questions before you get to the job site. If you have any questions concerning the construction or installation of the ramping system, please feel free to call us at the factory (517.639.8777).

Tools Recommended for Ramp Installation.

7/16", 1/2", 9/16" wrench

phillips head screwdriver

electric drill: 5/16 bit phillips driver

circular saw

extension cord

tape measure

level

pencil or marker

broom for cleanup

hammer or mallet

sandpaper or sander

Optional Tools:

reciprocating saw

shovel (just in case)

pry bar

electric miter saw

instructions page 2

QUICK RAMP SYSTEM : Wood Requirements

Ramp Selections.

It is recommended that for the ramping sections that you purchase a treated plank, either 2" x 6" or 2" x 10". These are standard sizes found at lumber yards and will vary in price. Use the size that is most economical for you. Choose the length that will allow you to cut the width desired for your ramping with the least amount of waste. The standard Quick Ramp Support assembly is designed for 36" or narrower ramp sections. (Refer to the chart below for some standard ramp wood requirements.)

Platforms.

The wood for the platforms is the same as the wood for the ramp sections described above, except you will need wood that is 60" in length.

SAMPLE WOOD REQUIREMENTS				
	2" x 6" for tread	OR	2" x 10" for tread	2" x 4" for rails
4' Ramp	9pc @ 36" (1pc 1" x 3"x 40" optional)		6pc @ 36" (1pc 1" x 3"x 40" optional)	6pc @ 48" 4pc @ 36"
6' Ramp	14pc @ 36" (1pc 1" x 3" x 64" optional)		8pc @ 36" (1pc 1" x 3" x 64" optional)	6pc @ 72" 4pc @ 36"
8' Ramp	18pc @ 36" (1pc 1" x 3" x 88" optional)		11pc @ 36" (1pc 1" x 3" x 88" optional)	6pc @ 96" 4pc @ 36"
10' Ramp	22pc @ 36" (1pc 1"x 3" x 112" optional)		13pc @ 36" (1pc 1"x 3" x 112" optional)	6pc @ 120" 6pc @ 36"
60" x 60" Platform	11pc @ 60" 1pc 2" x 4" x 60"		7pc @ 60" 1pc 2" x 4" x 60"	6pc @ 60" 4pc @ 36"
60" x 90" Platform	18pc @ 60" 1pc 2"x 4" x 96"		11pc @ 60" 1pc 2"x 4" x 96"	6pc @ 60" 3pc @ 96" 6pc @ 36"

NOTE: The best and most economical way to purchase dimensional lumber would normally be to buy the boards in longer lengths and then cut them down to size. Example:

To build an 8' ramp and rails, purchase: 5pc @ 2" x 6" x 12' treated boards
6pc @ 2" x 4" x 8' treated boards
1pc @ 2" x 4" x 12' treated board
1pc @ 1" x 3" x 8' treated board

This would allow you to cut the pieces required for the ramp and rail construction from the full length boards purchased from the lumber yard.

When buying the lumber in longer lengths, you may end up with extra pieces when the ramp is completely assembled. You may need these extra pieces in case you have a "bad" board.

When assembling ramp sections you will be required to cut one of the tread boards to fit to size in order to fill in the tread surface.

www.alumiramp.com

AlumiRamp, Inc. | 855 East Chicago Road | Quincy, MI 49082
800.800.3864

QUICK RAMP SYSTEM : Assembly of Ramp Sections

Each ramp kit will consist of the following:

2 Side "F" Stringers – the length of the ramp to be built

Handrail Attachment Angles:

- (4) For ramps 4' to 8' length
- (6) For ramps 10' length
- (8) For ramps 12' length
- (1) Package of bolts for ramp assembly (BOLT PACKAGE 3601)

Cut your wood for the tread as described previously.

Slide the wood treads into the "F" stringers as shown until the ramp length is completed.

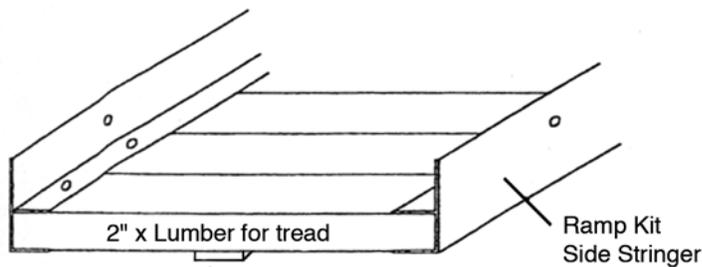
NOTE: In most cases, you will have to trim one board down to the proper width in order to make the wood fit into the stringers. Do not use the trimmed board as the end board. Place it in 2 or 3 boards and use complete boards at the end.

Using the predrilled holes as a guide, drill out the wood tread and insert the carriage bolts supplied to attach the side stringers to the wood. Repeat this for all 8 holes on the ramp.

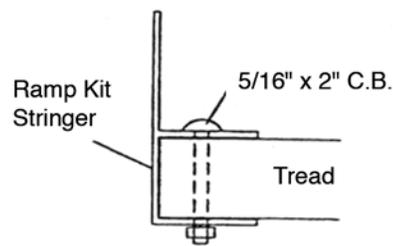
Make sure that the ramp is square. When checked, tighten the bolts. **DO NOT OVER TIGHTEN!** The fasteners supplied are made of stainless steel and the nut will "weld" itself to the bolt if over tightened and you will not be able to loosen it for later adjustment without breaking the bolt or cutting it off.

INSTALLERS NOTE: The wood in the ramp will be subject to expansion and contraction due to weather changes. Some installers choose to use wood screws to secure the boards between the carriage bolts to reduce the amount of movement by the tread boards when weather conditions change.

The ramp section is ready for use.



It is also recommended a 1" x 3" strip of wood be attached under the Ramp section to tie all the tread boards together. Keep 4" from the end of the Ramp to allow for placement of crossarm support.



instructions page 4

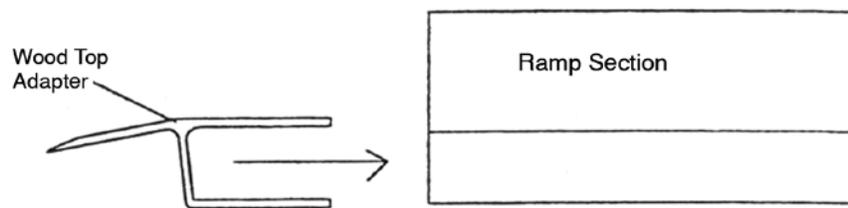
QUICK RAMP SYSTEM : Single Ramp Installations

When using a ramp in a single span, you will require the use of the following parts:

Top Adapter Plate.

This part is used for the transition at the top of the ramp run to the landing. It will hold the top of the ramp run up and no additional support is usually required.

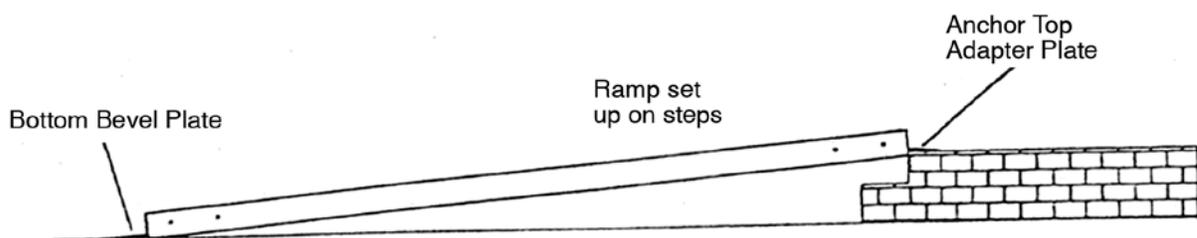
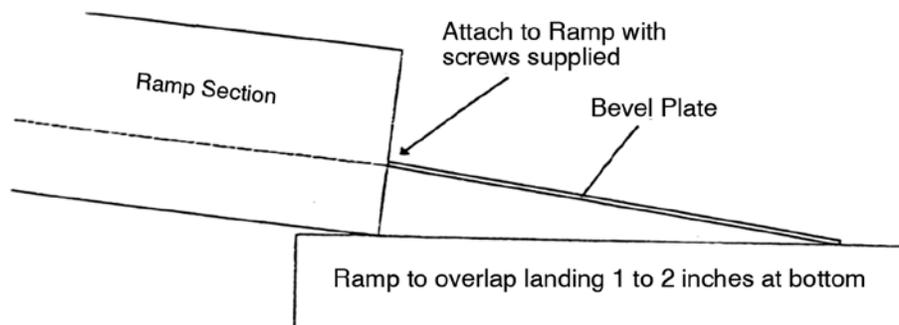
Simply slide the Top Adapter onto the end board as shown and secure by drilling through the predrilled holes and inserting the carriage bolts supplied in the bolt pack marked "WOOD TAK". Once the Top Adapter is attached to the ramp, place the lip onto the landing and secure it to the landing using the lag screws provided.



Bottom Bevel Plate:

This part is used to make the transition from a ramp run down to a lower landing or to the ground. It is used by placing the bottom of the ramp 1 to 2 inches on the landing (or on the ground) and placing the Bevel Plate at an angle as shown. Once in place, drill 1/4" pilot holes through the top edge of the plate and secure it to the last board of the ramp run. **BE SURE** that the end of the ramp is on TOP of the landing. The bevel plate is not designed to hold the weight of the ramp, it is to be used as a transition only.

INSTALLERS NOTE: In order for the plate to acquire the proper angle, it may be required to angle the corner of the last board before screwing the plate down.



www.alumiramp.com

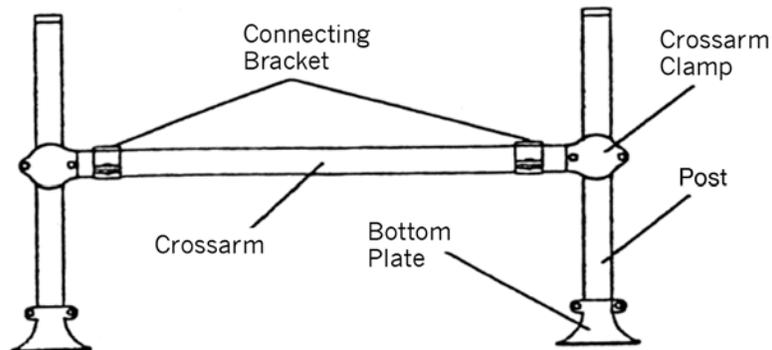
AlumiRamp, Inc. | 855 East Chicago Road | Quincy, MI 49082
800.800.3864

bridging the gap.

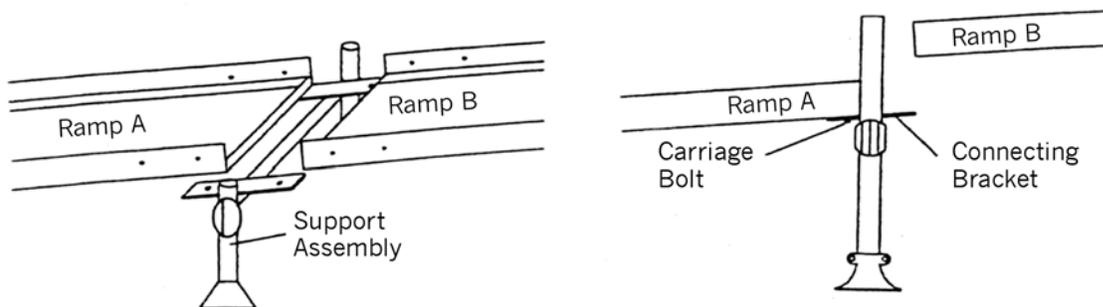
QUICK RAMP SYSTEM : Connecting Ramps Together

When connecting more than one ramp to make a longer ramp run, it will require the use of a Connecting Support Assembly as shown below. This adjustable support will not only connect the ramps, but also provide support where the two ramps meet.

Assemble the support assembly as shown below (BOLT PACKAGE 3606 and 3603):



After the support is assembled and set at the approximate height, place the ramps to be connected as shown below. Secure the ramp to the support by lining up the end holes in the ramp with the holes that are predrilled in the connecting brackets and placing the carriage bolt so that it goes through the ramp and through the connecting bracket also. Adjust the support assembly as necessary to insure the ramps are at the proper slope and that there is a smooth transition from one ramp to the next. (No peaks or valleys.)



Use the Top Adapter Plate at the top of the ramp run and use a Bottom Bevel Plate at the bottom of the ramping run.

INSTALLERS NOTE: AlumiRamp Inc. along with most regulatory agencies recommend that for every 1 inch of rise, one foot of ramp run should be used (1:12 ratio). This allows for a safe grade which will accommodate most any chair or scooter.

For any run that is longer than 30 feet, the use of a rest platform is strongly recommended.

instructions page 6

QUICK RAMP SYSTEM : Assembly of Platforms

Each platform kit will consist of the following:

60" TURN PLATFORM

- (1) 60" E stringer
- (1) 60" F stringer
- (1) 56" F stringer
- (2) Platform H Supports
- Bolt Package 3701

60" STRAIGHT PLATFORM

- (2) 60" E stringers
- (2) Platform H Supports
- Bolt Package 3701

60" x 96" PLATFORM

- (1) 96" E stringer
- (1) 96" F stringer
- (2) 2 56" F stringers
- (3) Platform H Supports
- Bolt Package 3701

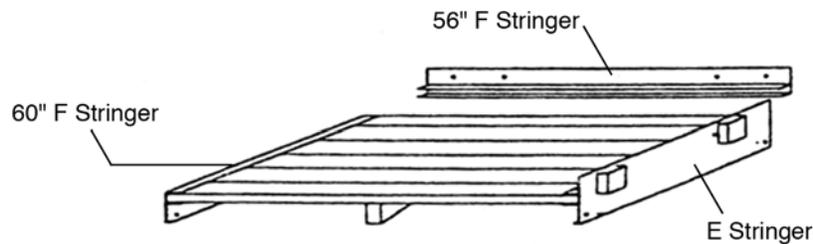
Cut your wood for the tread of the platform as described previously.

Slide the wood between the 60" or 96" stringers as shown until the tread of the platform is filled. Secure the 2 x 4 under the center of the platform. This is used for added support and will rest on the platform support assembly.

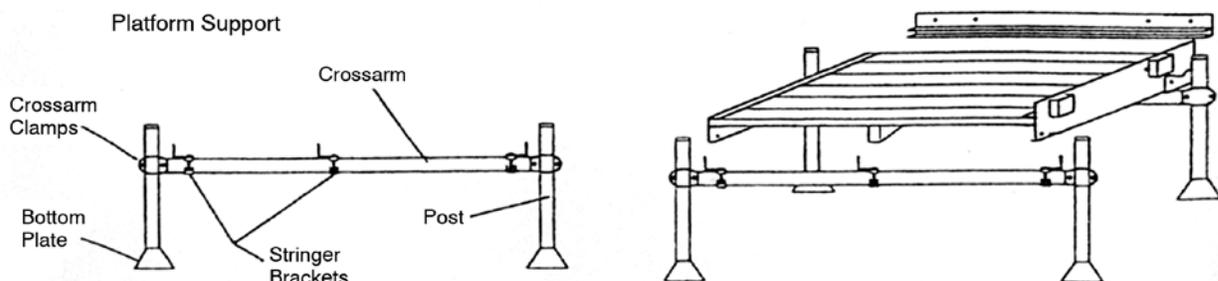
NOTE: You will be required to trim a board as done when building the ramp sections.

Secure the wood to the stringers by using the supplied carriage bolts. Again, making sure that the platform is squared. **DO NOT OVER TIGHTEN THE BOLTS!**

If the platform is used to change direction, you will now place the 56" F stringers onto the open side of the platform for curb protection. Depending on the ramp system configuration, this stringer may be used on the right or left side as shown. See illustration. (On a 96" turnback, a 56" stringer is placed on both open ends.)

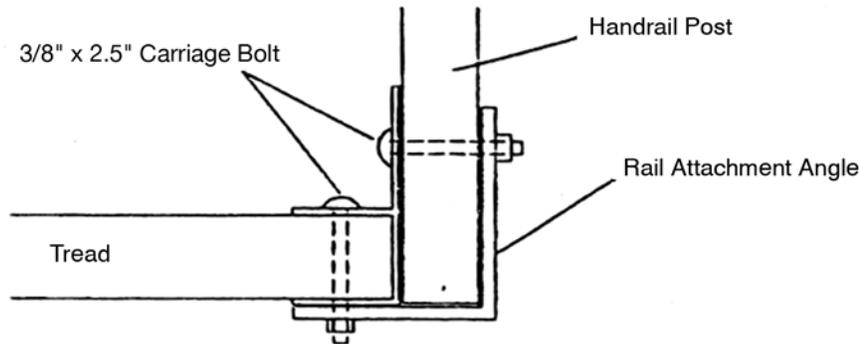


Assemble the Platform "H" Supports as shown below. Each 60" x 60" platform should have (2) supports while the 96" platforms require (3). The platform is then secured to the supports by placing the deck onto the stringer brackets that are attached to the crossarm of the H unit. Line up the holes in each corner of the platform with one of the holes in the stringer bracket and fasten with a 5/16" x 1" hex bolt and nut.



QUICK RAMP SYSTEM : Handrails

Each ramp kit includes angles for rail attachment. (See the detail below.) The platforms will have pockets welded to the stringers for rail attachment.



Handrail Design.

There are various forms of handrail construction. You must decide which type is best for your application or meets any building codes for ramping in your area.

Two Line Rail

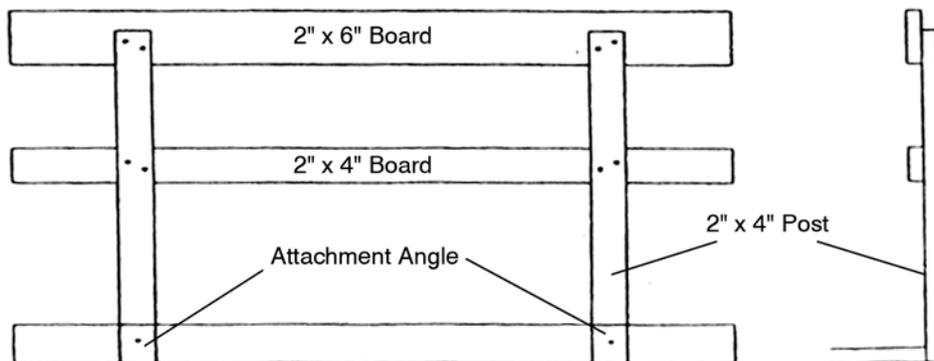
This style handrail is a basic rail for ramping. Constructed of 2" x 4" treated wood with a 2" x 6" top rail.

EXAMPLE: 8' Handrail Pair

- MATERIALS NEEDED:
- (4) 2" x 4" x 8' treated boards
 - (2) 2" x 6" x 8' treated boards
 - (1) 2" x 4" x 12' treated board
 - (1) Quick Ramp Rail Kit

NOTE: Every handrail job is different depending on the type of construction used and the personal preference of the one constructing them. Do not hesitate to add features to the rails that you want as long as you do not compromise the structural integrity of the rails.

Be sure to check local building codes for any regulations concerning the building of rails for uses with ramping.



instructions page 8

QUICK RAMP SYSTEM : Parts List

PART#	DESCRIPTION
QRK04	4' L RAMP KIT - 2 SIDE STRINGERS
QRK06	6' L RAMP KIT - 2 SIDE STRINGERS
QRK08	8' L RAMP KIT - 2 SIDE STRINGERS
QRK10	10' L RAMP KIT – 2 SIDE STRINGERS
QPK48X48 ST/TN	48" X 48" PLATFORM KIT ST/STRAIGHT – TN/TURN
QPK60X60 ST/TN	60" X 60" PLATFORM KIT ST/STRAIGHT – TN/TURN
QPK60X96TB	60" X 96" PLATFORM KIT TURN BACK
QTAK36	TOP ADAPTER 32"
QBBK32	BOTTOM BEVEL 32"
NS007BK	NON SKID TAPE 3/4" X 60' ROLL
3601	RAMP BOLT PACKAGE
QRKIT	HANDRAIL KIT –INCL.3605 BOLT PACKAGE
QANGLE4	HANDRAIL ATTACHMENT ANGLE

SUPPORT ASSEMBLIES

SA312R	RAMP SUPPORT ASSEMBLY 12" POST
SA324R	RAMP SUPPORT ASSEMBLY 24" POST
SA336R	RAMP SUPPORT ASSEMBLY 36" POST
SA348R	RAMP SUPPORT ASSEMBLY 48" POST
SA512P	PLATFORM SUPPORT ASSEMBLY 12" POST
SA524P	PLATFORM SUPPORT ASSEMBLY 24" POST
SA536P	PLATFORM SUPPORT ASSMEBLY 36" POST
SA548P	PLATFORM SUPPORT ASSEMBLY 48" POST
BP	BOTTOM PLATE
XC	CROSSARM CLAMP
EB	EXTRUDED (CONNECTING)BRACKET
SB	STRINGER BRACKET
3603	BOLT PACK FOR CROSSARM CLAMP
3606	BOLT PACK FOR SUPPORT ASSEMBLIES