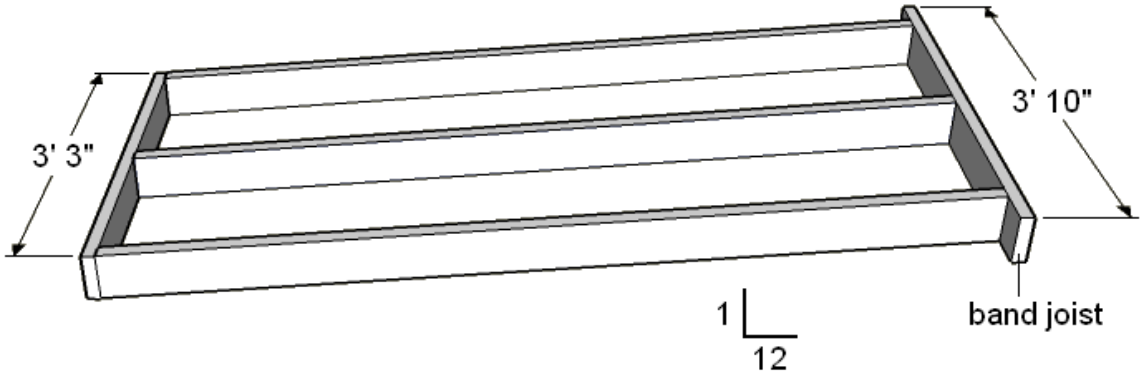
PRE-FAB WHEELCHAIR PANELS

Panel A

Panel A will be 8’ long and 39” wide. This panel will act as the actual ramp. It will consist of three runners spaced equidistant apart covered with decking; the runners will have a slope of 1:12 (1” rise for every 12” of run).



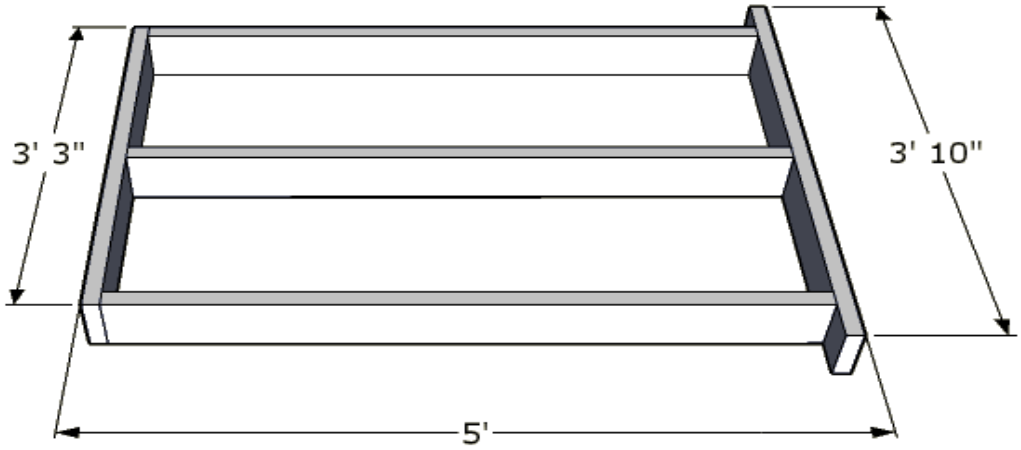
The top band joist will extend 3 ½” beyond the outside of the runners on either side (as seen below). The bottom runner will end flush with the outside of the runners.

Each panel will be bolted to 4x4 treated posts and to each other, through the band joist, with 3/8” x 7” lag bolts.

Panel B

Panel B will be 5’ long and 39” wide. The panel will act as the landing that is required every 30 feet. It will consist of three runners spaced equidistant apart, covered with decking, and will have no slope.

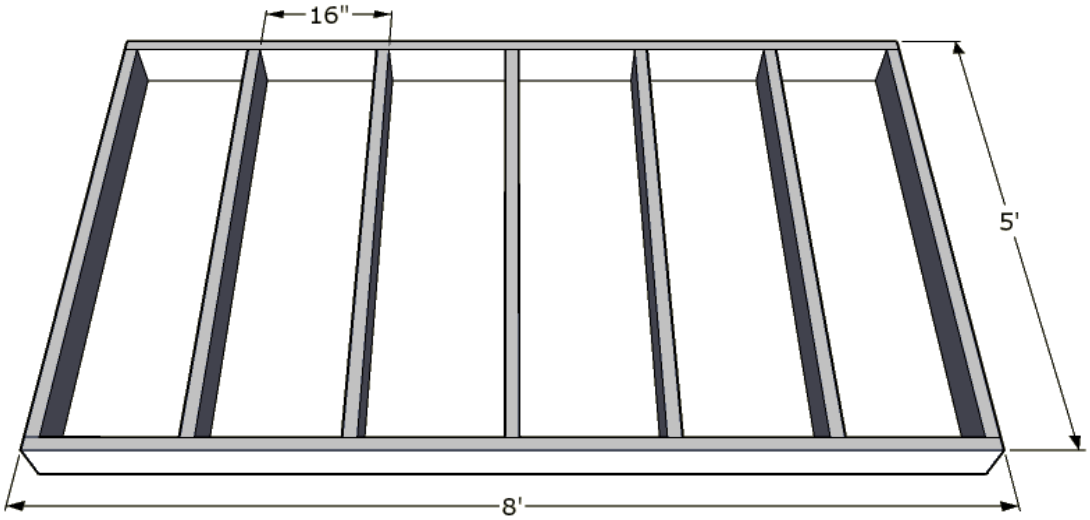
One of the band joists will extend 3 ½” beyond the outside of the runners on either side (as seen below). The opposite band joist will end flush with the ends of the runners.



Each panel will be bolted to 4x4 treated posts and to each other, through the band joist, with 3/8” x 7” lag bolts.

Panel C

Panel C will be 5’ wide and 8’ long. This panel will act as a landing at the top of the ramp, or as a 180° turn. This panel will have joists every 16” on center and will be covered with decking.



Each panel will be bolted to 4x4 treated posts and to each other, through the band joist, with 3/8” x 7” lag bolts.

Guidance for Determining the Panels Required to construct a Wheelchair Ramp:

Attached, you will find the description and plans for three wheelchair ramp "panels" used to build a wheelchair ramp. Any of the construction guidelines are not that important for you, but you can see each of the three "Ramp Panels" referenced in this Guideline that should allow you to determine how many of each panel you will require. All ramps and landings that we provide will be constructed of 2x6 treated lumber and 5/4x4" treated decking. You will be provided with enough decking material to cover all ramps you receive, but for shipping, handling purposes and due to weight, we have limited the decking installed on each panel.

Drop in Height from Exit of House to Flat Ground:
The first and most important step is to determine the drop in height from the bottom of the door on the house or top step of a porch or landing, when leaving the house. The drop in height is from that point, to the ground level that you must reach, either to a driveway, a sidewalk or flat grass area that will allow you to easily push a wheelchair. **The Ramp Panels are designed to decline 1 foot over each 12 feet of ramp.**

Ramp Panel A:
The "Panel A" in the attachment, is designed to have a slope that will drop 1 foot over 12 feet of ramp. So if the drop in height is 2 feet, you would require 24 feet of ramp (2 times 12 ----- 2 foot drop - 1 foot for every 12 feet of ramp). In that the "Panel A's " are 8 feet in length, that 2 foot drop would require 3 "Panel A's". **So for every 2 feet of drop, you will require 3 Panel A Ramps.**

You should, after 3 or 4 ramp "A" panels (normally required by code after 30 feet) use a "Panel B" ramp to make a turn or slow down the descent.

Landing Panel B:
The "B Panel" is 5 feet long and the same width as the Ramp Panels. Depending on the drop in height you may need 1 or more of these "Landing Panel B's". The Landing Panel B is also the panel you must use to make a turn when one is required due to the terrain of the property.

Landing Panel C:
You do need to determine if you require a "Panel C" as a landing panel as you exit your house. "Panel C", in the attachment is a 5 foot by 8 foot landing that could be mounted to an exit door or set of stairs. You should only require 1 "Panel C" if you have no natural porch or landing as you exit your house.

Mounting of Wheelchair Ramps:
"Ramp Panel A" and "Landing Panel B" are designed with one joist extended 3 1/2 inches on each side so that it can be bolted into a 4x4 post cemented into the ground to support the wheelchair ramps. **These you will have to provide** and require a minimum of two 4x4s for each ramp used.

Wheelchair Ramp Handrails:
Once you have installed the required ramps by mounting them into the 4x4 posts to secure the ramp, you will need to add on Wheelchair Ramp Handrails for safety so that the wheel chair can not fall off the ramp. You can use 2x2 or 1x4 rails mounted on each side and secured into the 4x4 posts used for the ramp. **You will have to provide the material for hand rails**.

Please use the following attachment to determine what materials you will need to construct a wheelchair ramp.

Additional Information:

Pick-Up Requirements:

You must have available to you, a vehicle that will accommodate the size (width) and weight of the ramps you require**.**

Installation Requirements:

Based on the above description and guidelines, you will be provided with the specific wheelchair panels that will allow you to install the ramp that will go from the door exit of your house to the flat surface in front of your house.

You will be responsible for installing the ramps along with providing the 4x4 posts to secure the ramps and also the materials to install handrails. All of the ramps will come with sufficient materials to add on the remaining decking for each ramp. Due to weight, we only install enough to hold the form, but will provide the extra decking to complete the ramp.