



# Prairie View Industries, Inc.

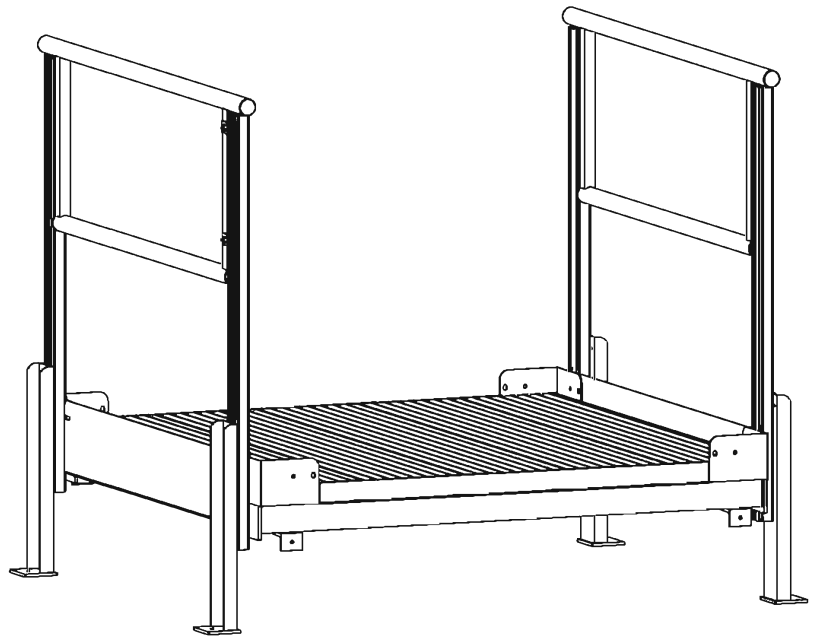
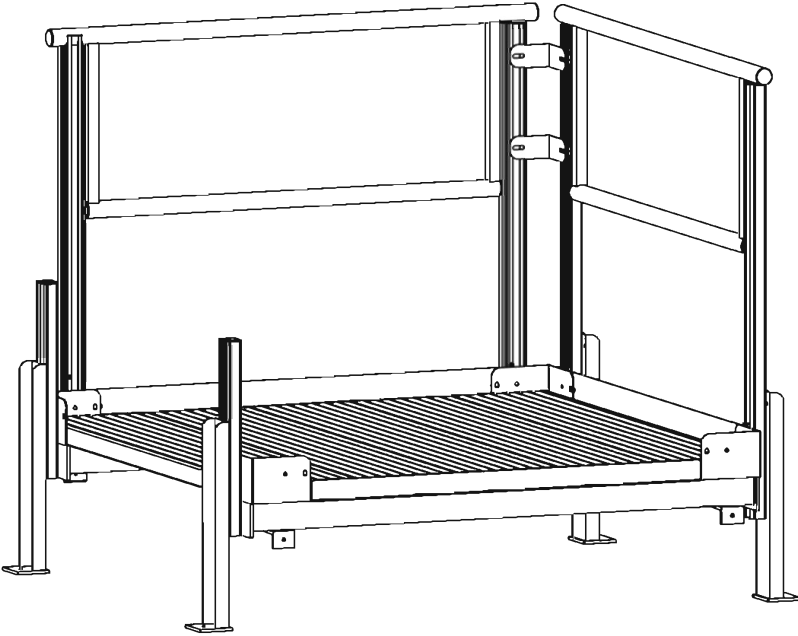
## Modular Ramp Landing Instructions



# Prairie View Industries Inc.

## 4'x4' Landing Assembly

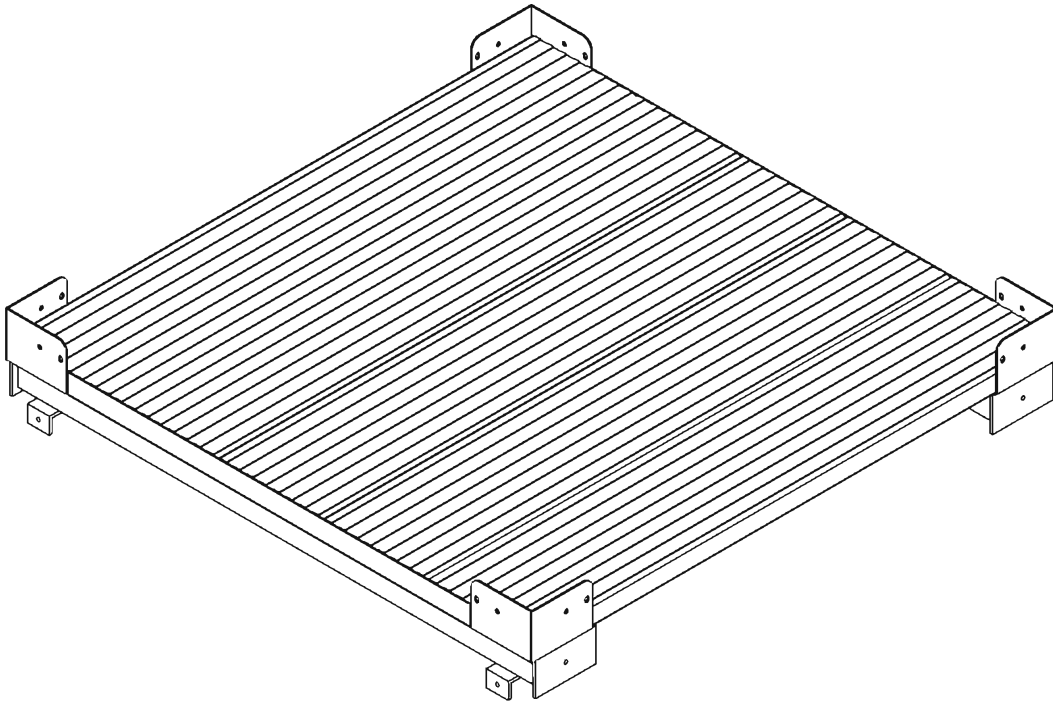
---



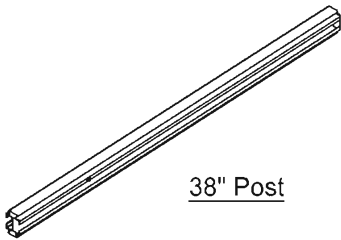
---

Instructions

# 4'x4' Landing Material



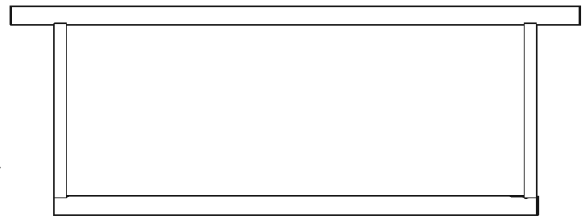
## 4'x4' Welded Landing Base



38" Post



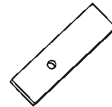
Slide Nut



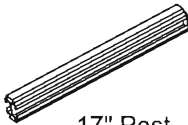
45 7/8" Handrail



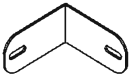
Handrail clip



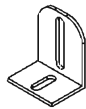
Anchor Nut



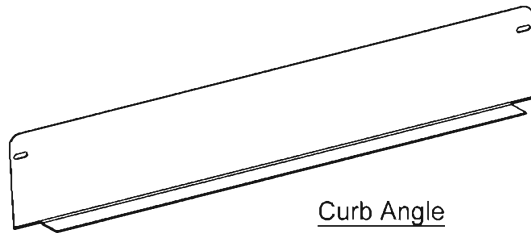
17" Post



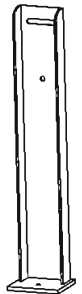
Post Corner Brackets



Ramp Attachment Clips

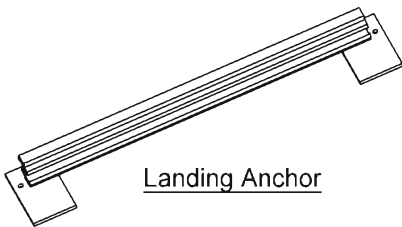


Curb Angle

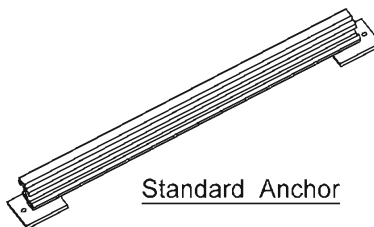


Legs

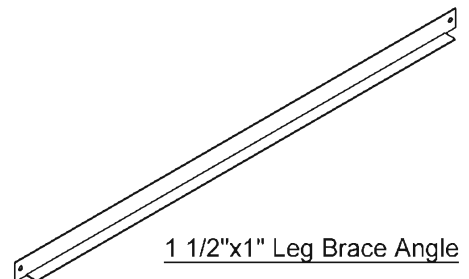
18", 30", 42", 54"



Landing Anchor



Standard Anchor



1 1/2"x1" Leg Brace Angle

## Assembling Landing

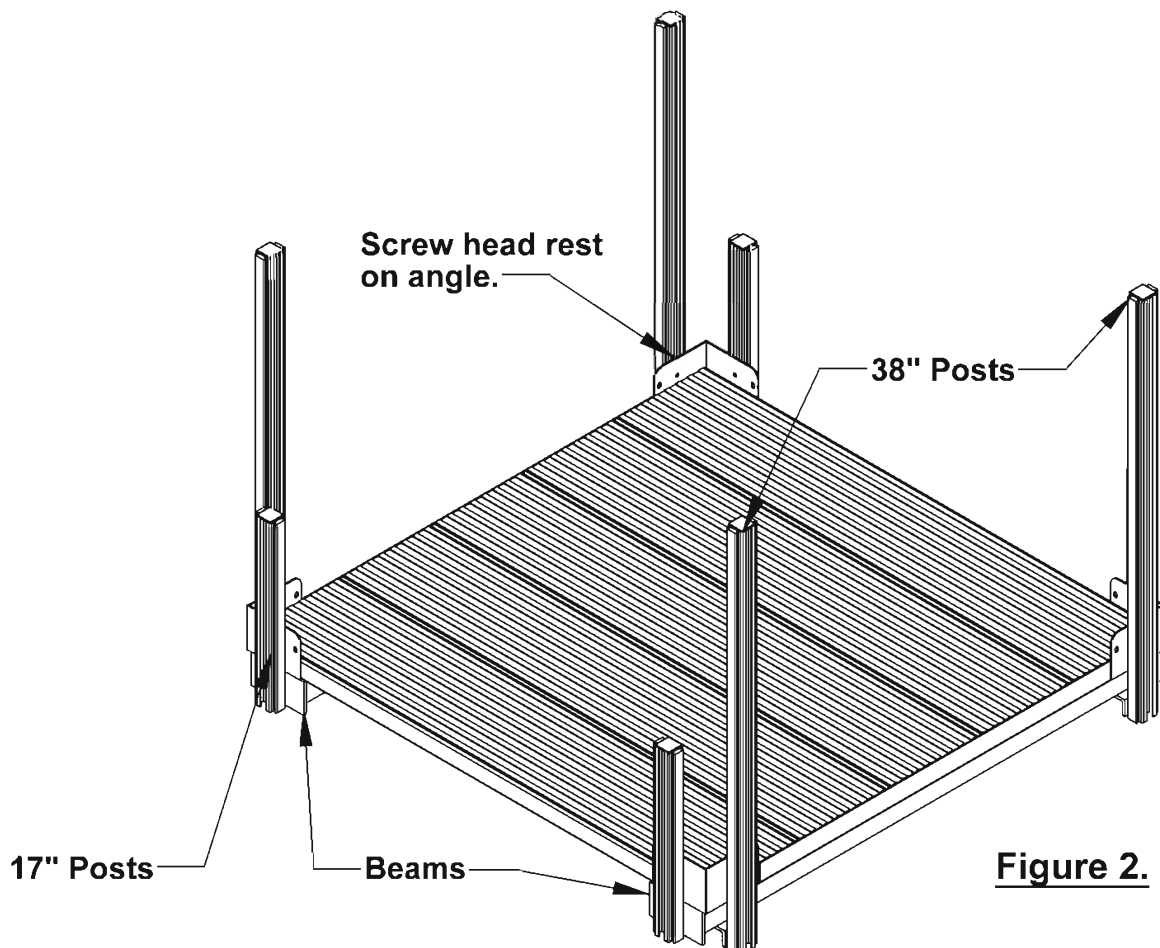
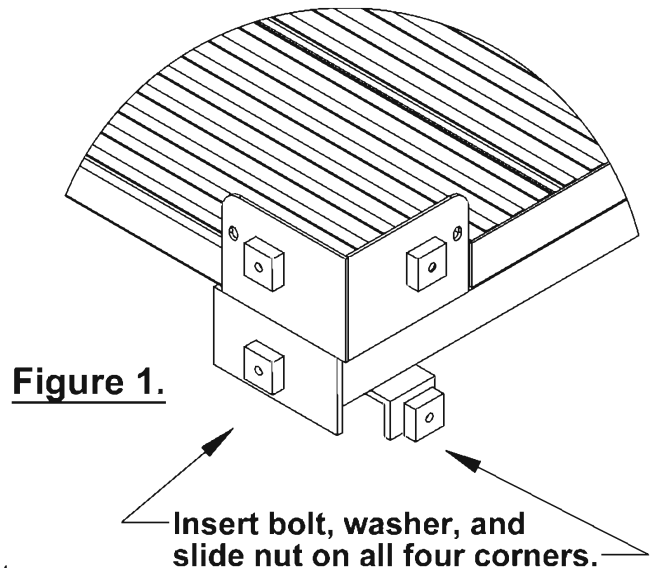
Unpack all parts and material and check against packing list to make sure all parts are accounted for. Place landing on saw horses so it is up off the ground. Before assembling you need to determine whether you will be going straight off the landing and down the ramp or if you are making a 90 degree turn.

Locate holes 3 1/8" in from each corner and insert into holes a 5/16"x7/8" hex bolt and washer with slide nut on opposite side. Do the same in hole in angle tabs just below and beam ends. (See Figure 1.)

There are two ways to assemble the landing depending upon its application:

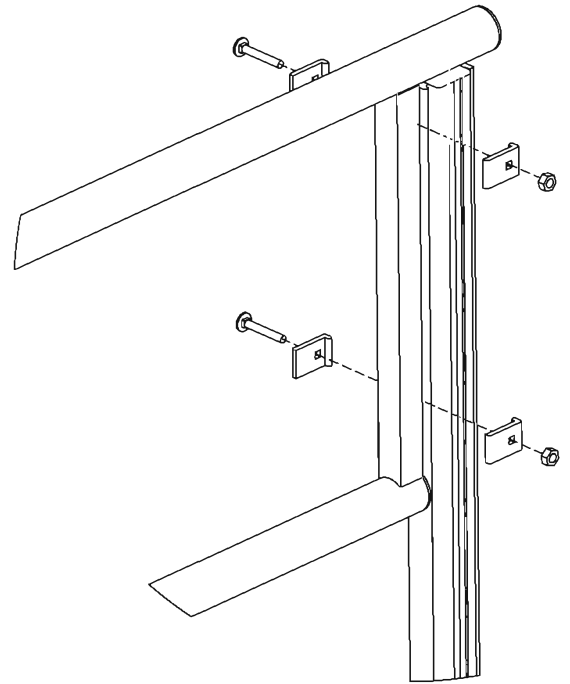
### Straight Through Configuration-Option 1

The landing and ramp may be installed in a straight through configuration with the planks in the landing running in a parallel pattern with the planks in the ramp. The bolts and slide nuts should already be attached to the landing. On each beam end, slip a 17" post over each slide nut. Slide these down over the second slide nut and finger tighten in place. On the other two sides of the landing, install 38" posts with the welded tab on post facing to the inside. Slide these down over the slide nuts until the welded tab rests on the corner angle. Finger tighten. (See Figure 2.)

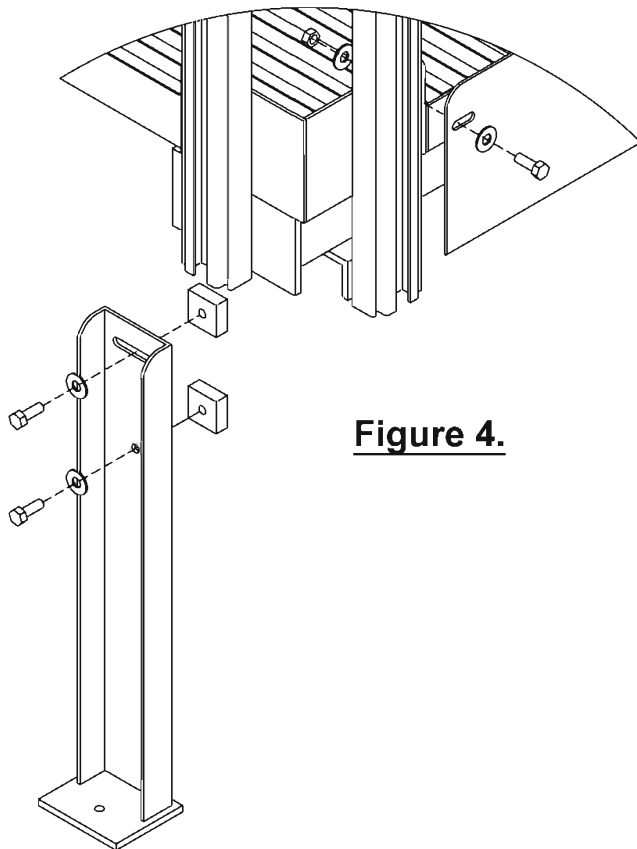


## Attaching Handrail

Attach the 45 7/8" handrail to the 38" post with handrail clips, 1/4"x1 3/4" carriage bolt and 1/4" lock nuts. With both sides on, go back and tighten all nuts. Also tighten all bolts attaching posts to the landing. (See Figure 3.) Next attach curb angles to landing. These will be located at the two openings you will not be using just below the two 45 7/8" handrails. Insert through the slot in the curb angle and hole in landing a 5/16"x7/8" hex bolt with washer and washer with a 5/16" lock nut on the opposite side. Repeat this procedure on the other opening. Tighten bolts.



**Figure 3.**

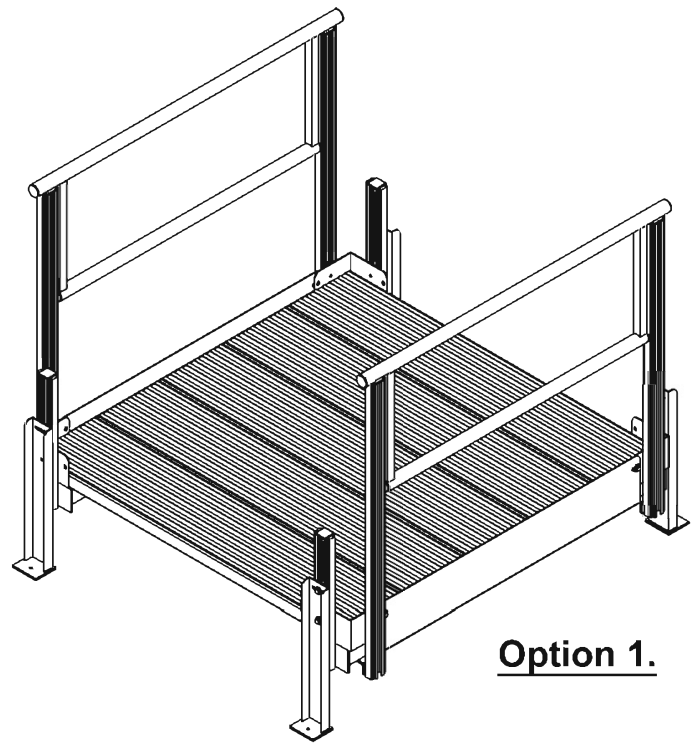


**Figure 4.**

## Attaching Legs

With channels of leg facing you, insert into the slot and the hole a 5/16"x7/8" hex bolt with washer and a slide nut on the opposite side. Slide a leg into each 17" post. Adjust legs to the required height. Tighten all bolts. (See Figure 4.) With legs installed, move the landing to its location. Be sure to anchor the landing down with anchor bolts through holes in the base of legs. A threshold may be required to span the gap between the house and landing.

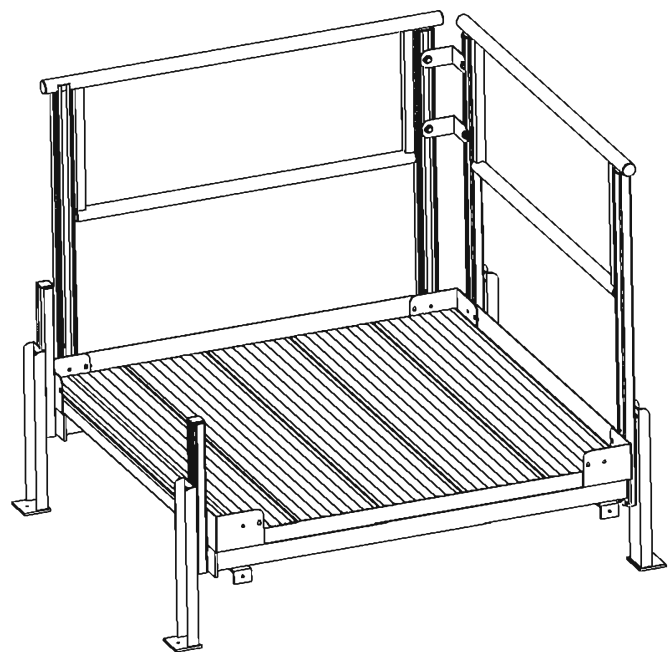
Option one instructions apply to keeping the tread of the landing the same direction as the tread of the ramp. (See Option 1.) If this is not a concern, you may rotate landing around so the beams under the landing are running parallel to the building. Attach the 38" post, handrails and legs on the beam ends. Adjust to the required height and butt the landing up against the building. In this case you may not need a threshold between the door and landing and there will be a small amount of extra parts left when assembly is completed.



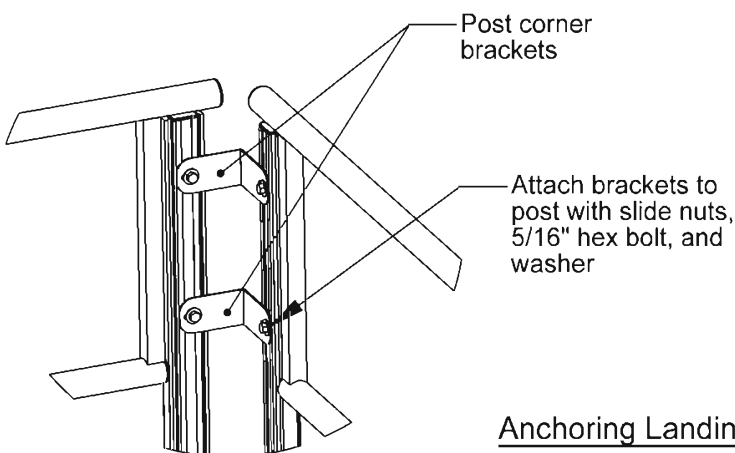
**Option 1.**

**90 Degree Turn-Option 2.**

With the beams running parallel to the building, attach 38" posts, handrail and legs on one side of beam ends and two 17" posts and legs on the other depending on which way you will be turning on the landing. Attach the other 38" posts and handrail to the side opposite the door. (See Option 2.). Find the post corner brackets and insert into each slot a 5/16"x7/8" hex bolt with washer and slide nut on opposite side. Remove the caps from the two corner posts and slip corner brackets down the inside groove of the two corner posts. Evenly position these apart from each other. Tighten and replace caps. (See Figure 5).



**Option 2.**



Post corner brackets  
 Attach brackets to post with slide nuts, 5/16" hex bolt, and washer

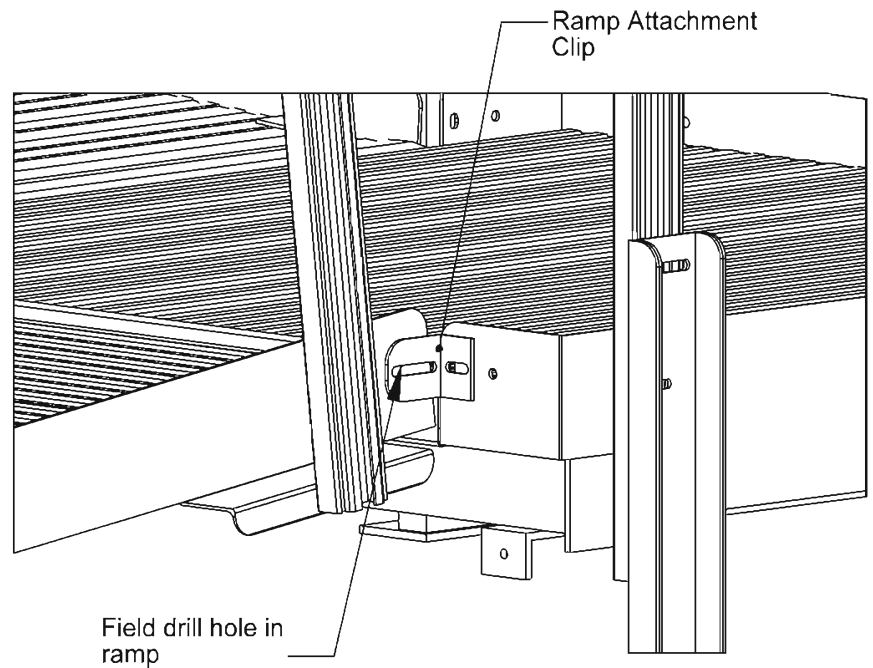
**Anchoring Landing**

**Figure 5.**

With completion of the landing assembly, finish tightening all nuts and bolts. The landing needs to be anchored to the ground with anchor bolts. Most of the time your landing will be placed over existing concrete. If you find yourself over grass or another surface, we suggest putting patio blocks under each leg. These are usually inexpensive and work well to anchor the landing.

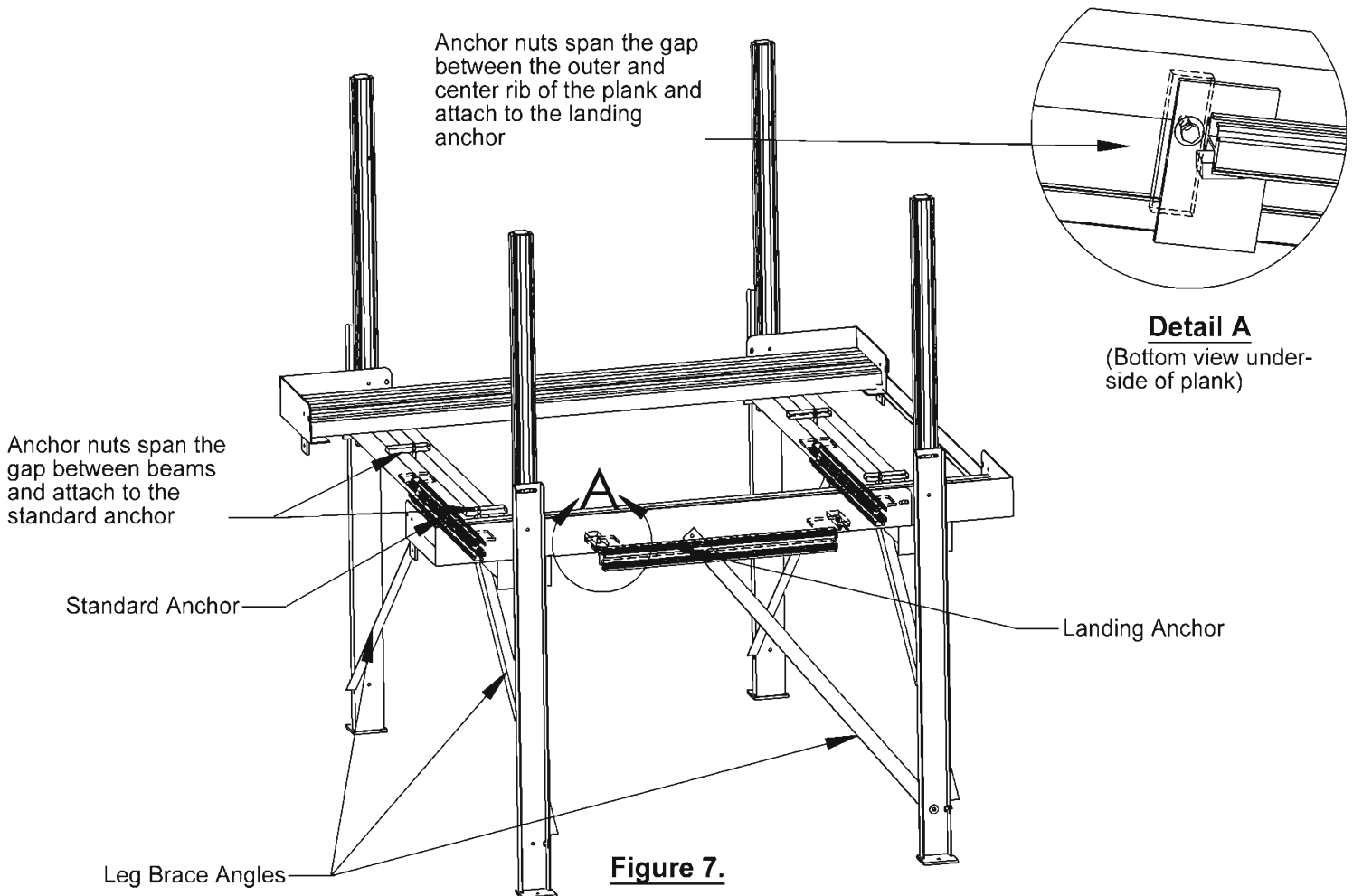
## Attaching Ramp

Move the ramp to its location on the landing and adjust the height of the ramp to the landing. Locate the ramp attachment clips provided and insert into the short slot a  $5/16"$  x  $7/8"$  hex bolt and washer. Insert this assembly through the holes  $1/2"$  in from each side of the opening on landing. Finish with a washer and  $5/16"$  lock nut on the opposite side. Line up the longer slot in the ramp attachment clip with the ramp and drill a hole to fit a  $5/16"$  bolt in this location. Insert through the slot and hole a  $5/16"$  x  $7/8"$  hex bolt, washer and finish with a washer and  $5/16"$  lock nut on the opposite side. Tighten. (See Figure 6).



## Leg Brace Anchor (when required)

The standard anchor is bolted to the underside of the  $2\ 1/2"$  x  $1\ 1/2"$  beams with  $5/16"$  x  $3\ 1/2"$  hex bolts, washers and leg brace anchor nuts. The bolt on each end should be centered between the beams and the anchor should be centered in the landing. The landing anchor is bolted to the plank on beam end sides with  $5/16"$  x  $1\ 1/2"$  hex bolts, flat washers and leg brace anchor nuts. The landing anchor is located as close to the outer edge of the plank as possible and the anchor nuts span the gap between the outer and center rib of the plank. Attach the leg brace angles to anchors with  $5/16"$  hex bolts, washers and slide nuts and to the legs with  $5/16"$  hex bolt, washers and  $5/16"$  lock nut. (See Figure 7.)



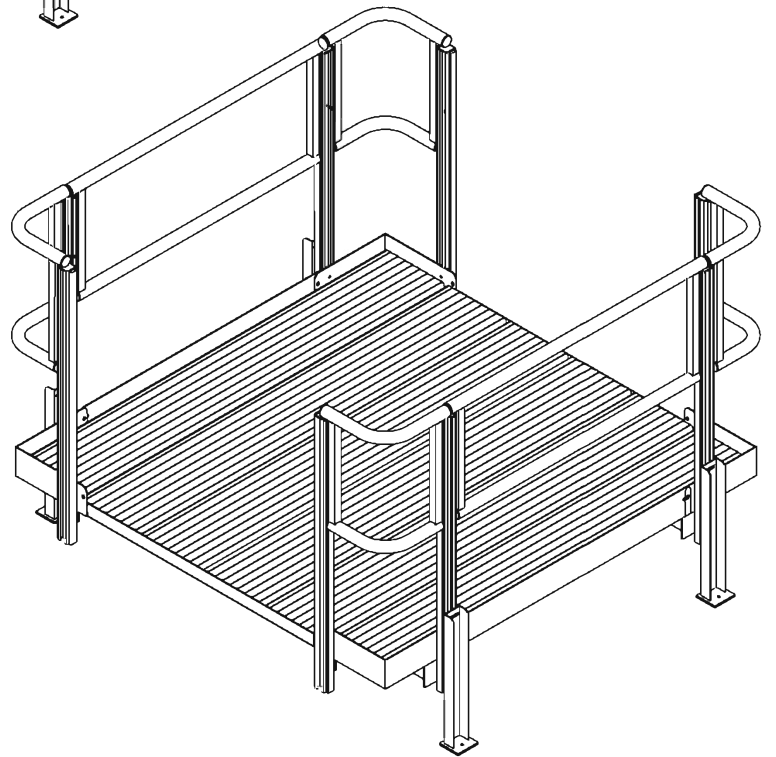
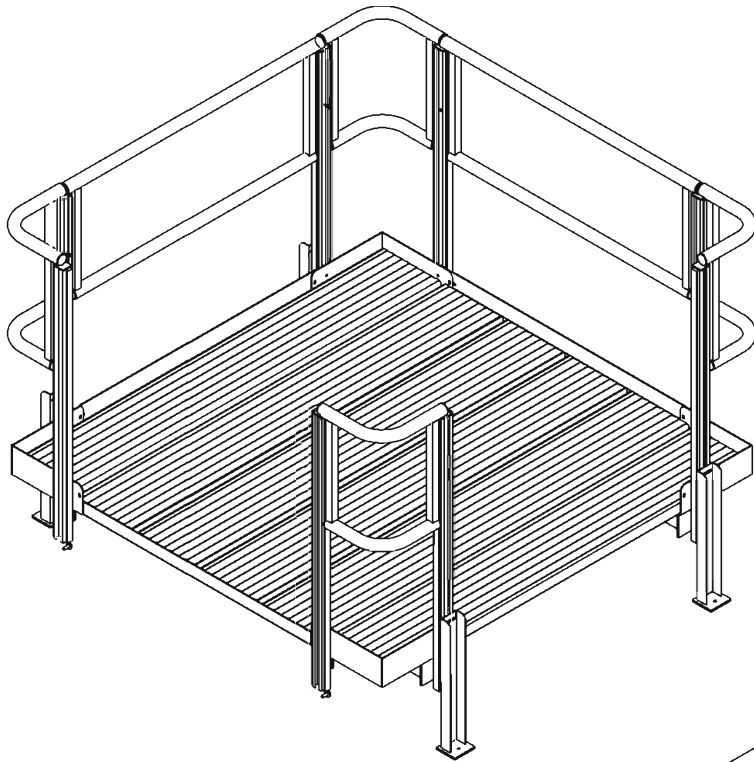
**Figure 7.**

**Figure 6**

# Prairie View Industries Inc.

## 5'x5' Landing Assembly

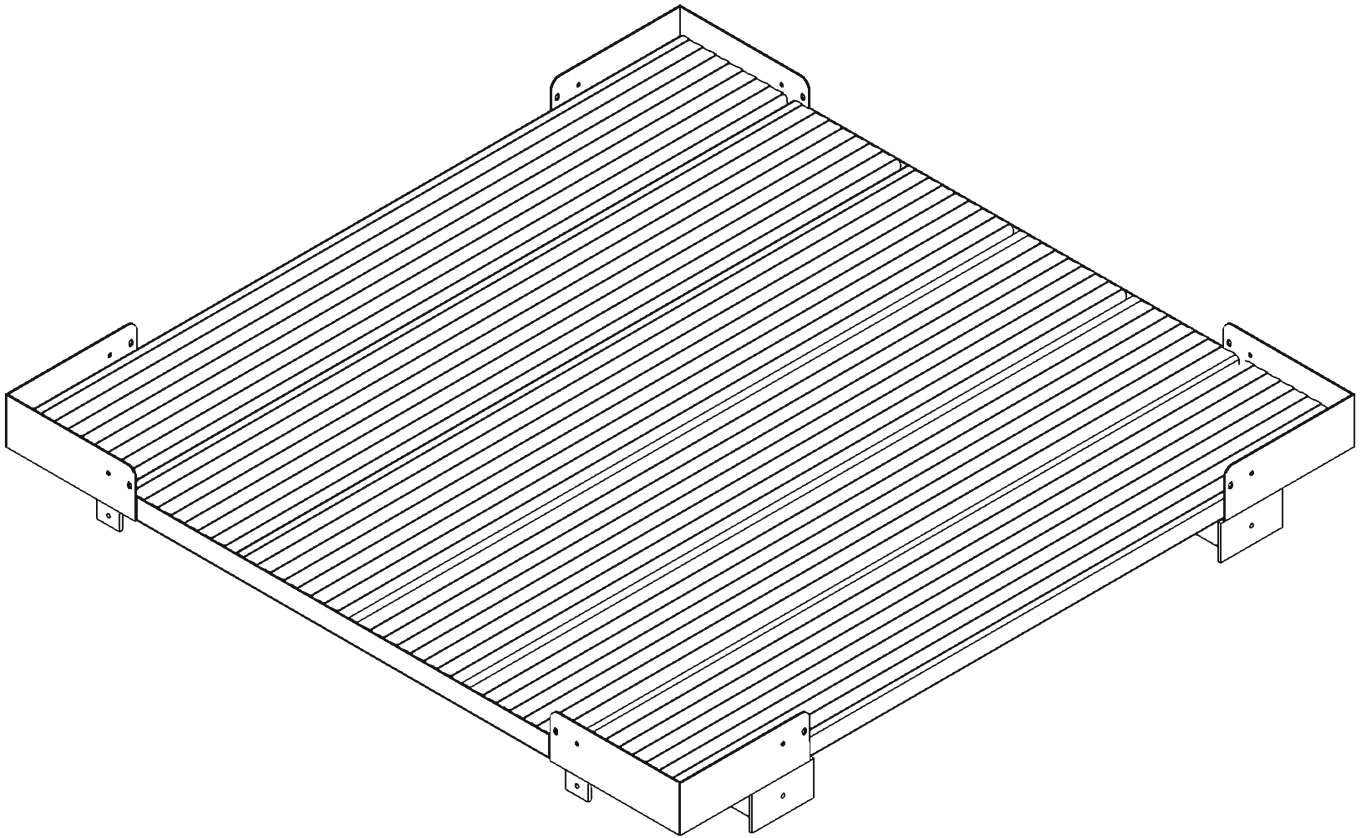
---



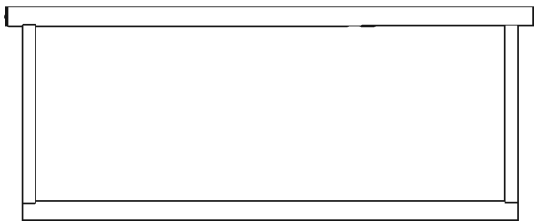
---

Instructions

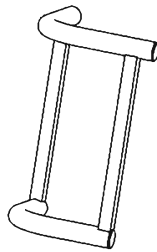
# 5'x5' Landing Material



## 5'x5' Welded Landing Base



41 1/2" Handrail



Corner Handrail



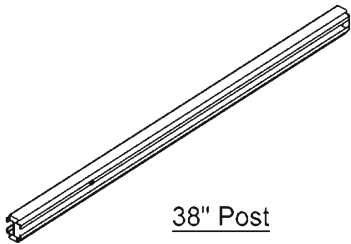
Legs  
18", 30", 42", 54"



Slide Nut



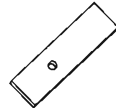
Handrail clip



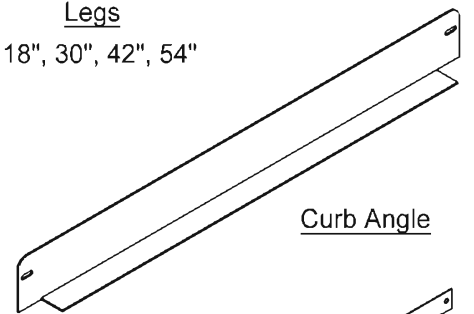
38" Post



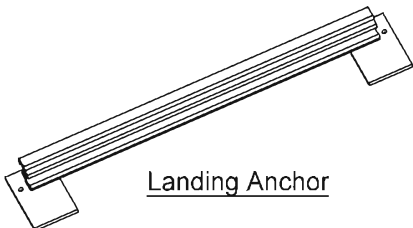
Ramp Attachment Clips



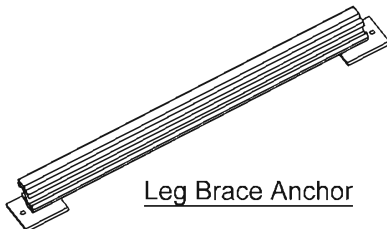
Anchor Nut



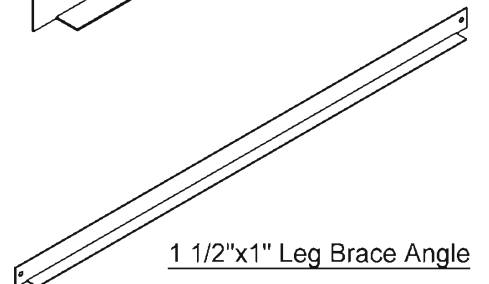
Curb Angle



Landing Anchor



Leg Brace Anchor

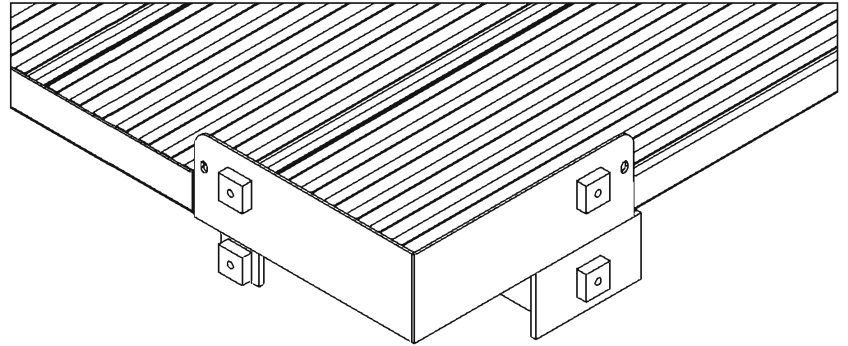


1 1/2"x1" Leg Brace Angle

## Assembling Landing

Unpack all parts and material and check against packing list to make sure all parts are accounted for. Place landing on saw horses so it is up off the ground. Before assembling you need to determine whether you will be going straight off the landing and down the ramp or if you are making a 90 degree turn.

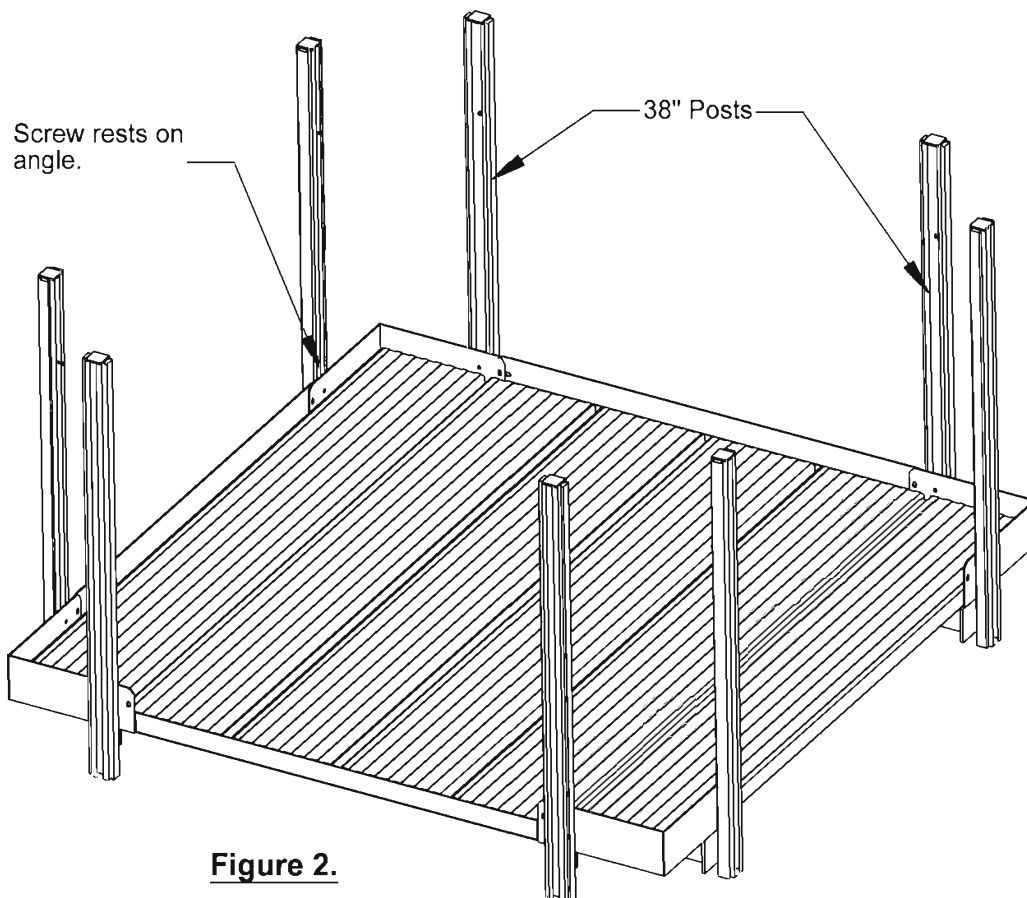
Locate the holes 9 1/8" in from each corner and insert into these holes a 5/16" x 7/8" hex bolt with washer and slide nut on the opposite side. Do the same in the holes just below these. (See Figure 1.)



**Figure 1.**

## Attaching Posts

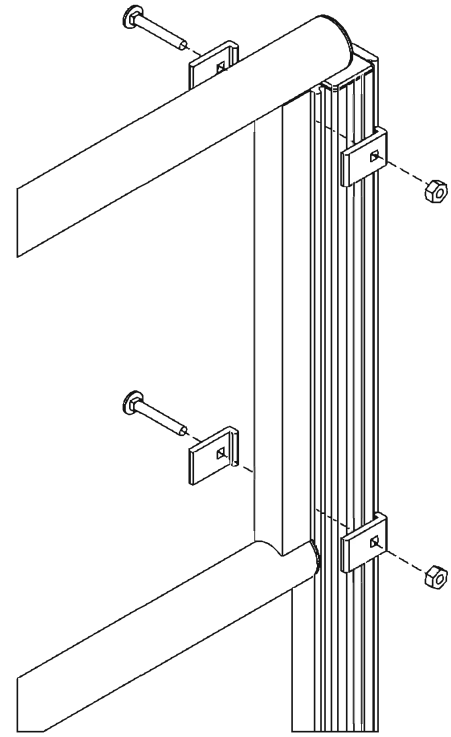
With the welded tab on post to the inside, begin to slip the slide nut into the groove of the post. Continue to slide the post down into the second slide nut until the welded tab sits directly on the angle of the landing. Repeat this step with the remaining posts. Finger tighten to avoid them from slipping down. (See Figure 2.)



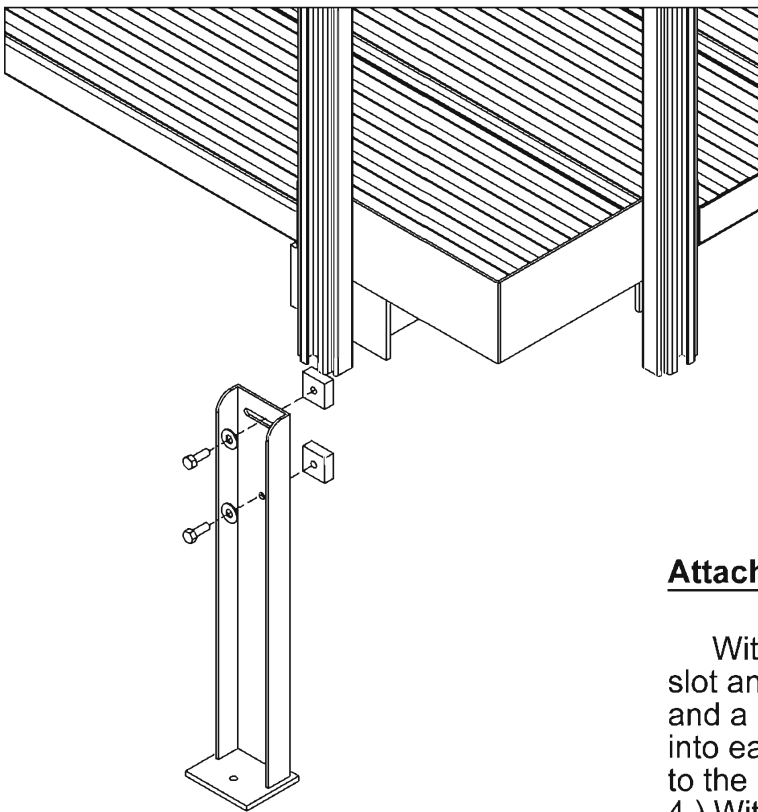
**Figure 2.**

## Attaching Handrail

Attach the 41 1/2" handrail to the 38" post with handrail clips, 1/4"x1 3/4" carriage bolts and 1/4" lock nuts. Also attach all four corner handrails. With the two sides and corners on, go back and tighten all nuts. Also tighten all bolts attaching posts to the landing. (See Figure 3.) Next attach curb angles to landing. These will be located at the two openings you will not be using just below the two 41 1/2" handrails. Insert through the slot in the curb angle and hole in landing a 5/16"x7/8" hex bolt with washer and finish with a washer and 5/16" lock nut on the opposite side. Repeat this procedure on the other opening. Tighten bolts.



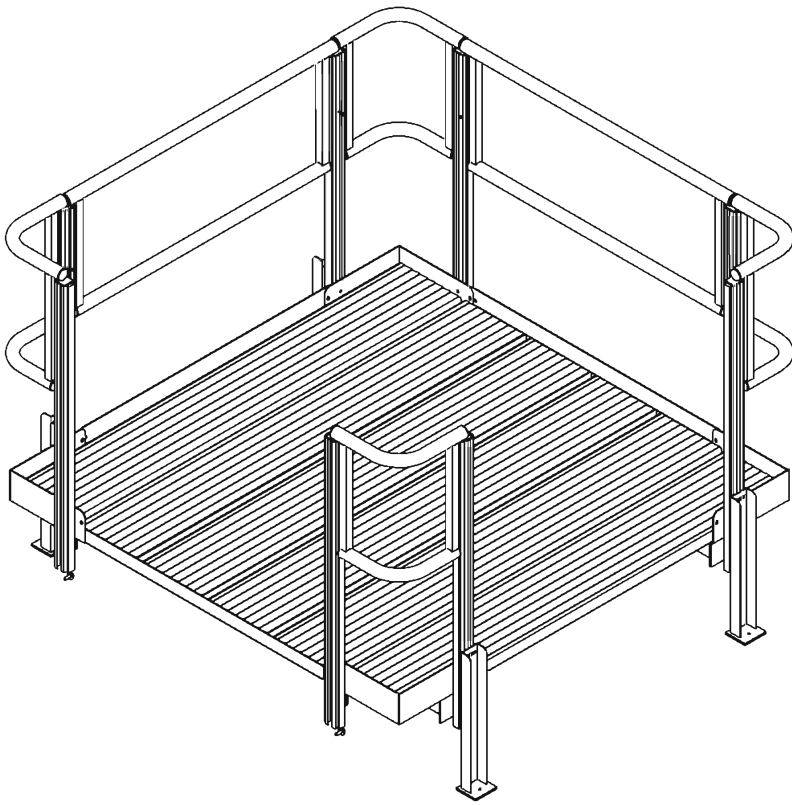
**Figure 3.**



## Attaching Legs

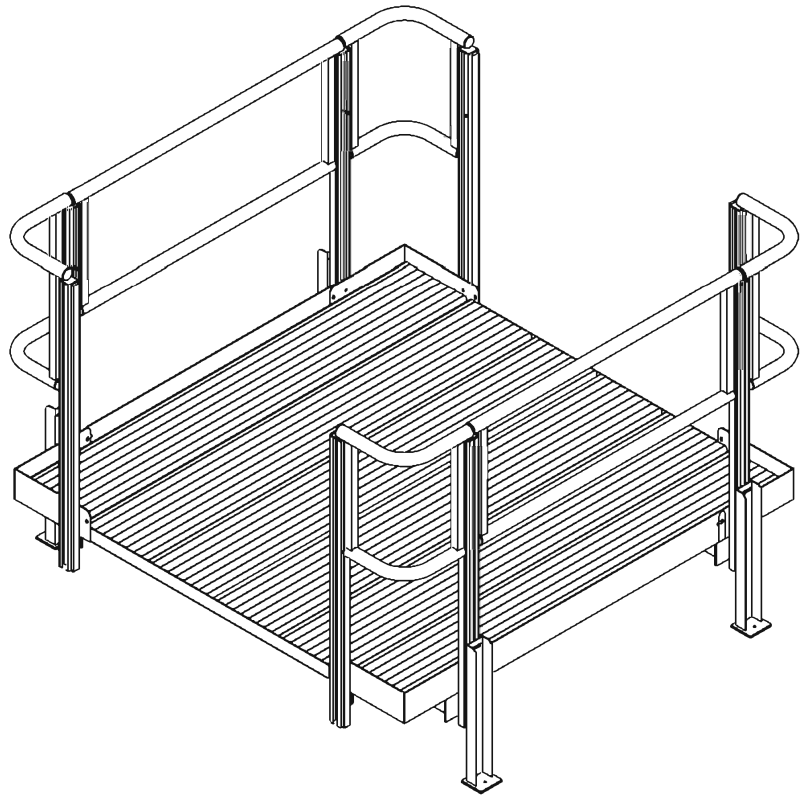
With leg channels facing you, insert into the slot and the hole a 5/16"x7/8" hex bolt with washer and a slide nut on the opposite side. Slide a leg into each 38" post on the beam ends. Adjust legs to the required height. Tighten all bolts. (See Figure 4.) With legs installed, move the landing to its location. Be sure to anchor the landing down with anchor bolts through holes in the base of legs. A threshold may be required to span the gap between the house and landing.

**Figure 4.**



**Option 1.**  
(90 Degree Turn)

As mentioned before there are two ways to assemble the landing depending upon its application to the building. The instructions provided is a basic way of assembling the landing. Look at options 1 and 2 to be sure the landing is assembled correctly.



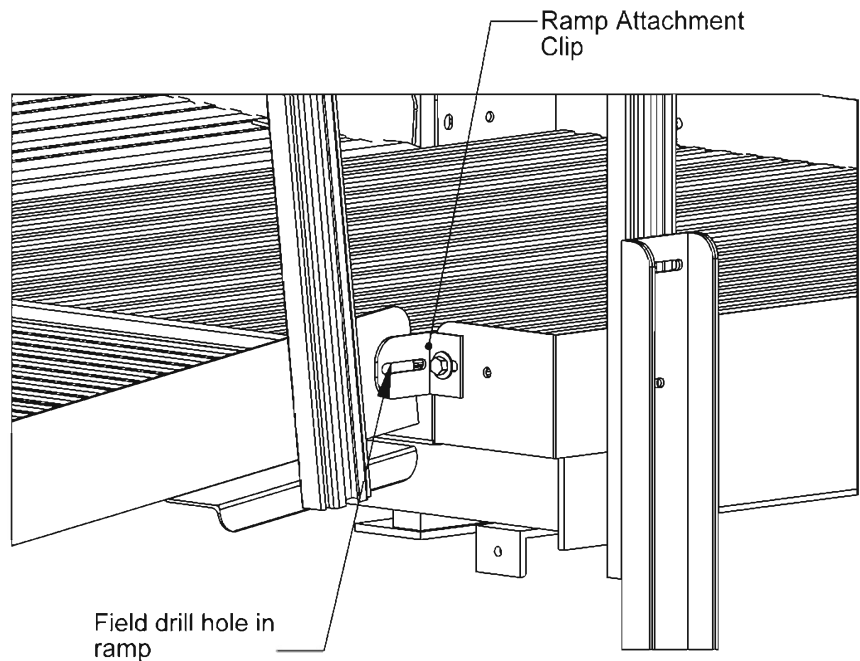
**Option 2.**  
(Straight Through)

### **Anchoring Landing**

With completion of the landing assembly, finish tightening all nuts and bolts. The landing needs to be anchored to the ground with anchor bolts. Most of the time your landing will be placed over existing concrete. If you find yourself over grass or another surface, we suggest putting patio blocks under each leg. These are usually inexpensive and work well to anchor the landing.

## Attaching Ramp

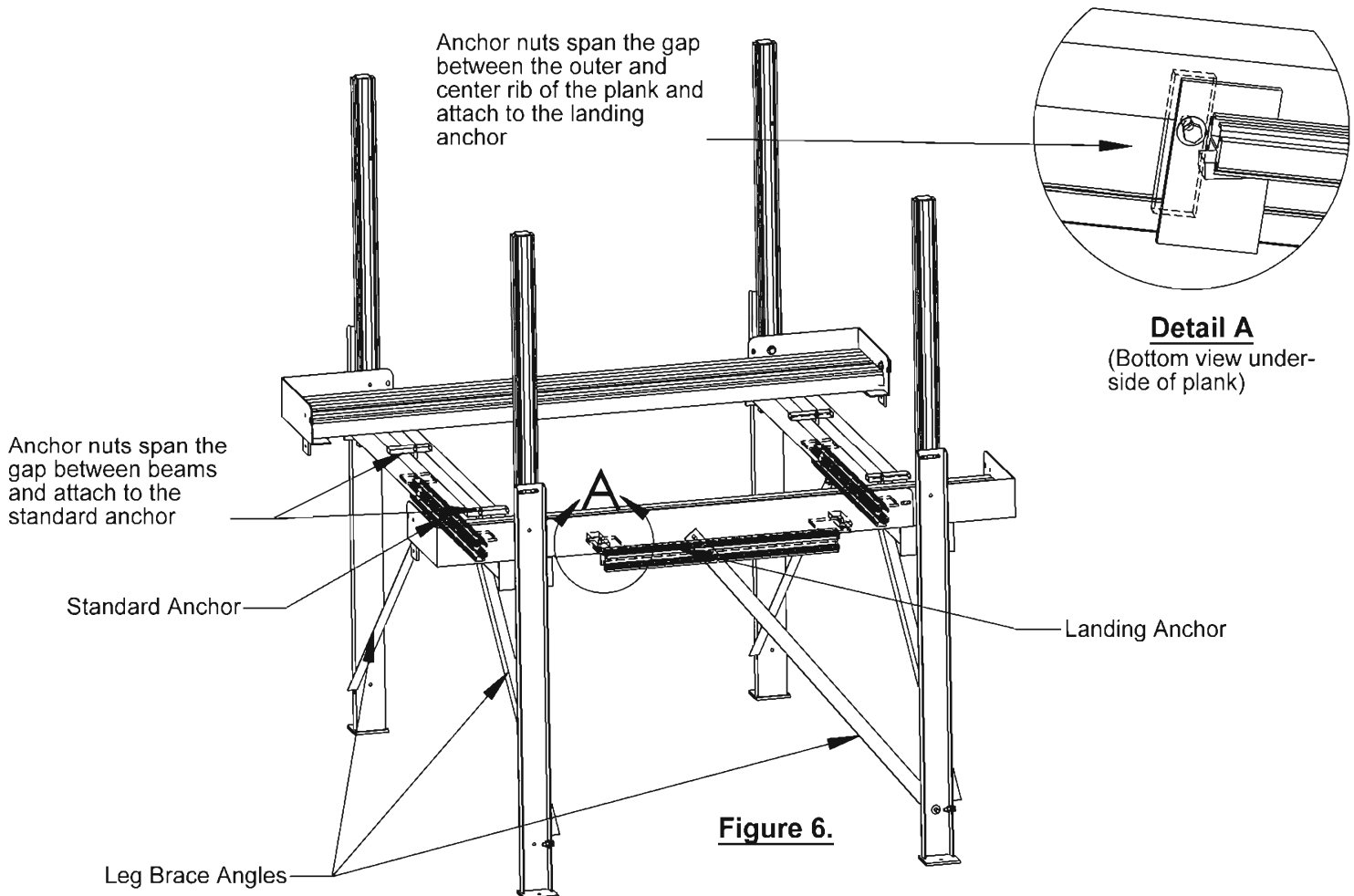
Move the ramp to its location on the landing and adjust the height of the ramp to the landing. Locate the ramp attachment clips provided and insert into the short slot a  $5/16$ "x $7/8$ " hex bolt and washer. Insert this assembly through the holes  $1/2$ " in from each side of the opening on landing. Finish with a washer and  $5/16$ " lock nut on the opposite side. Line up the longer slot in the ramp attachment clip with the ramp and drill a hole to fit a  $5/16$ " bolt in this location. Insert through the slot and hole a  $5/16$ " x $7/8$ " hex bolt, washer and finish with a washer and  $5/16$ " lock nut on the opposite side. Tighten. (See Figure 5).



**Figure 5.**

## Leg Brace Anchor (when required)

The standard anchor is bolted to the underside of the  $2\ 1/2$ "x $1\ 1/2$ " beams with  $5/16$ "x $3\ 1/2$ " hex bolts, washers and leg brace anchor nuts. The bolt on each end should be centered between the beams and the anchor should be centered in the landing. The landing anchor is bolted to the plank on beam end sides with  $5/16$ "x $1\ 1/2$ " hex bolts, flat washers and leg brace anchor nuts. The landing anchor is located as close to the outer edge of the plank as possible and the anchor nuts span the gap between the outer and center rib of the plank. Attach the leg brace angles to anchors with  $5/16$ " hex bolts, washers and slide nuts and to the legs with  $5/16$ " hex bolt, washers and  $5/16$ " lock nut. (See Figure 6.)

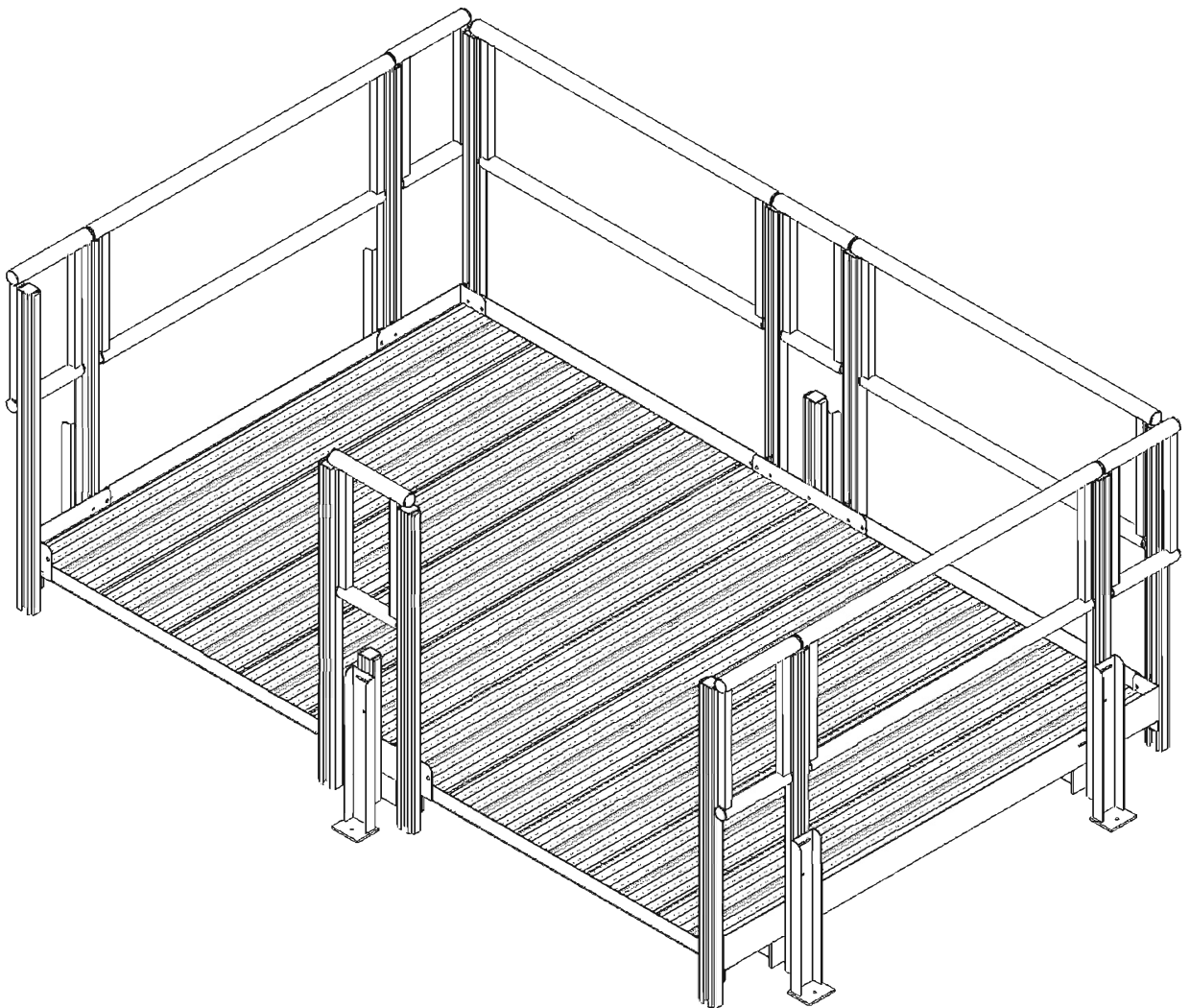


**Figure 6.**

# Prairie View Industries Inc.

## 5' x 8' Landing Assembly

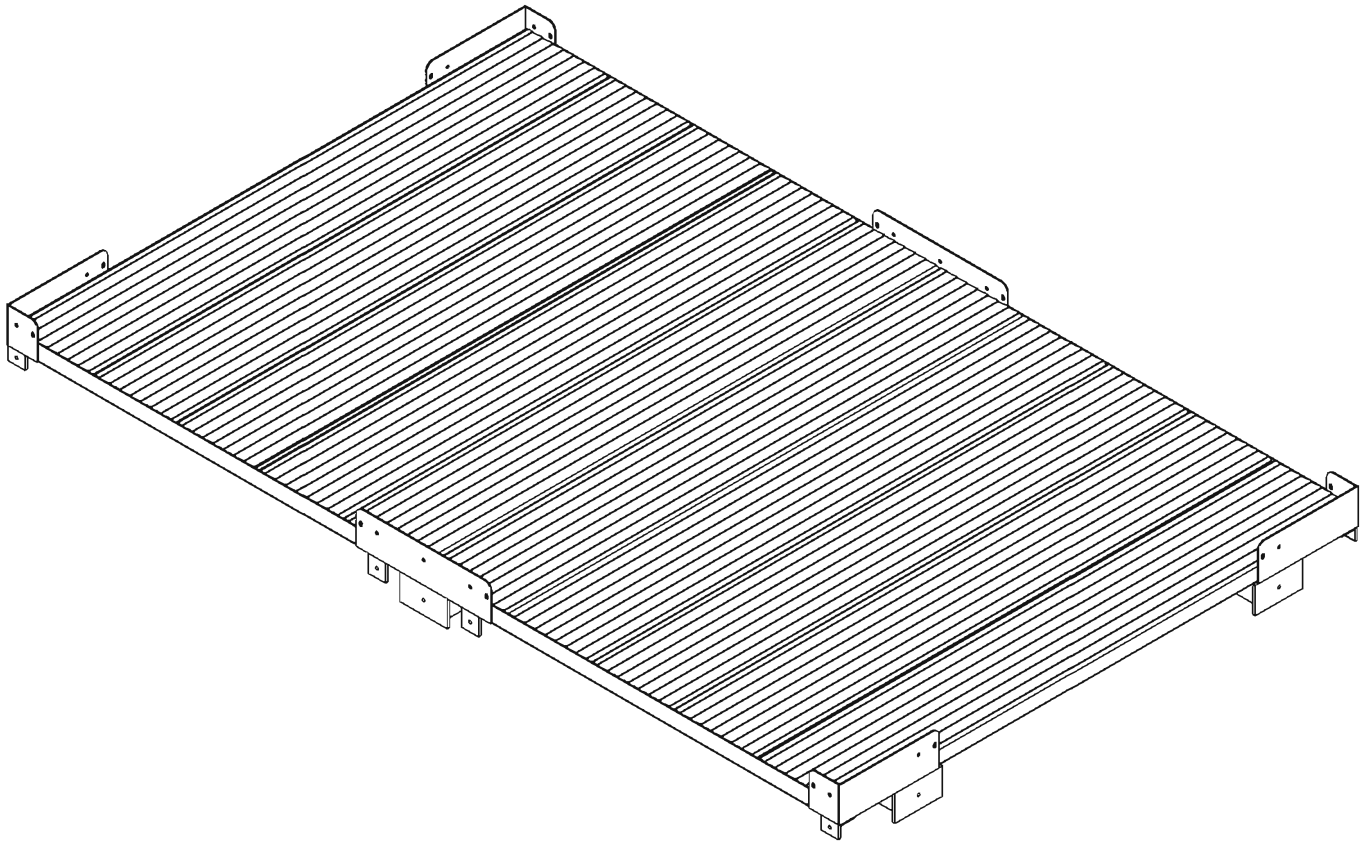
---



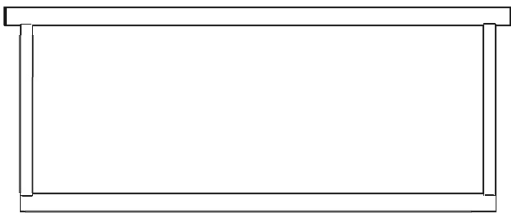
---

Instructions

# 5'x8' Landing Material



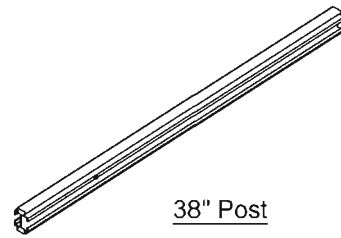
## 5'x8' Welded Landing Base



41 1/2" Handrail



17" Post

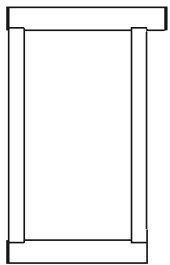


38" Post

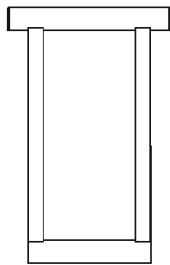


Legs

18", 30", 42", 54"



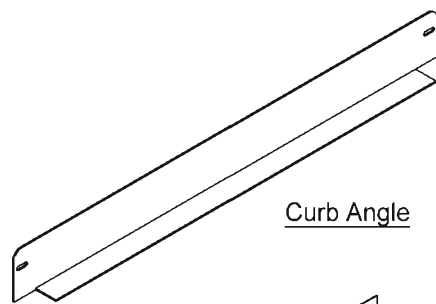
10 9/16" Corner Handrail



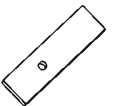
10 3/4" Center Handrail



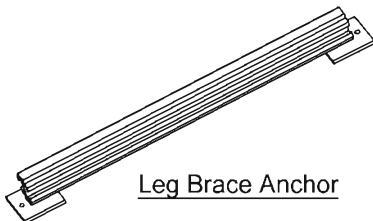
Ramp Attachment Clips



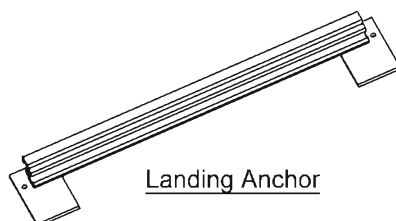
Curb Angle



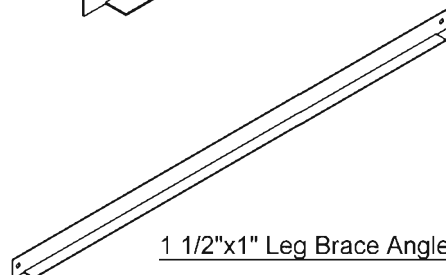
Anchor Nut



Leg Brace Anchor



Landing Anchor



1 1/2"x1" Leg Brace Angle



Slide Nut



Handrail clip

## Assembling Landing

Unpack all parts and material and check against packing list to make sure all parts are accounted for. Place landing on saw horses so it is up off the ground.

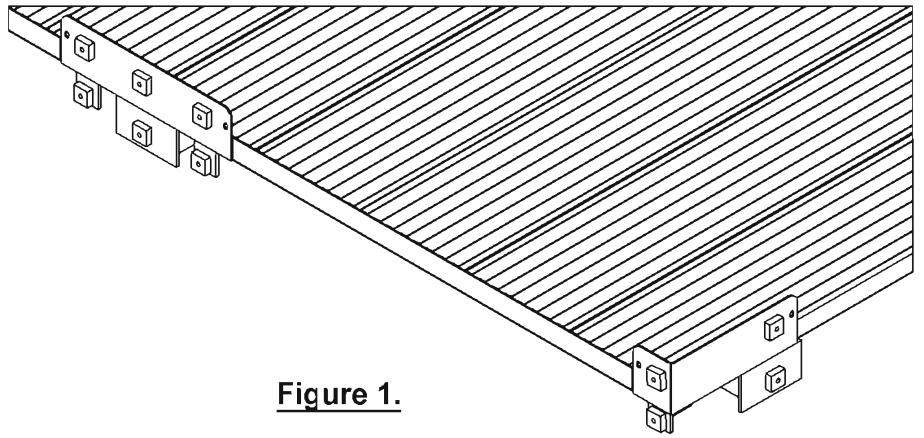


Figure 1.

Locate the holes on both eight foot sides of landing 1 1/8" in from each corner. Insert into these holes a 5/16"x7/8" hex bolt with washer and slide nut on the opposite side. Locate the holes on both five foot sides 9 1/8" in from each corner. Insert into these a bolt, washer and slide nut. Next locate the center plates on both eight foot sides of landing. Insert into the holes 2 3/8" in and center hole a bolt, washer, and slide nut. Also insert a bolt, washer, and slide nut in the holes just below all the ones. (See Figure 1.)

## Attaching Posts

With the welded tab on 38" post to the inside, begin to slip the slide nut into the groove of the post at all slide nut locations except for the center ones on both eight foot sides of the landing. Continue to slide the post down into the second slide nut until the screw head sits directly on the angle of the landing. Repeat this step with the remaining posts. Finger tighten to avoid them from slipping down. Locate the center slide nuts in the middle plate. Slip onto these the 17" post provided until both slide nuts are attached to the post. Finger tighten to keep in place. (See Figure 2.)

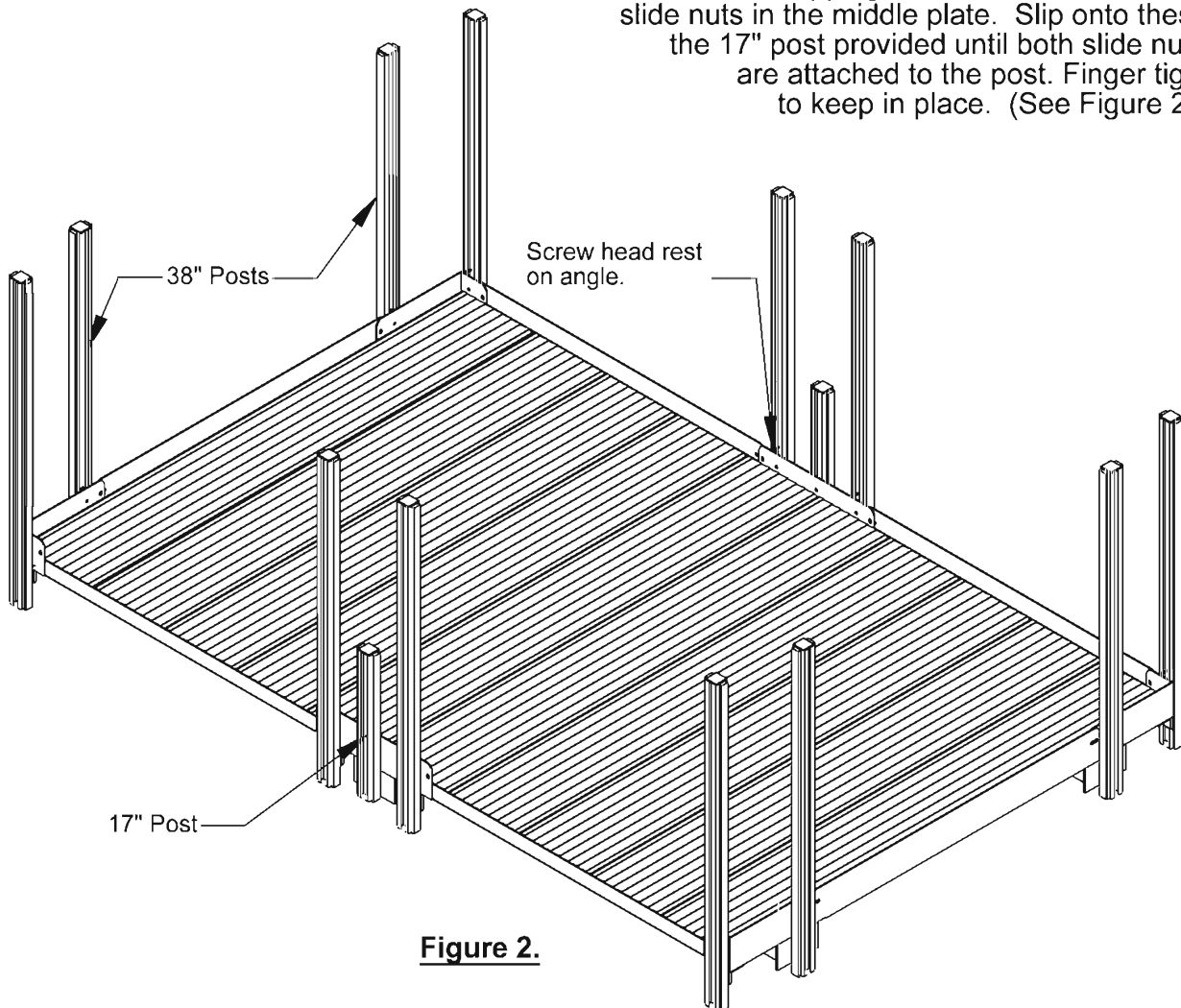
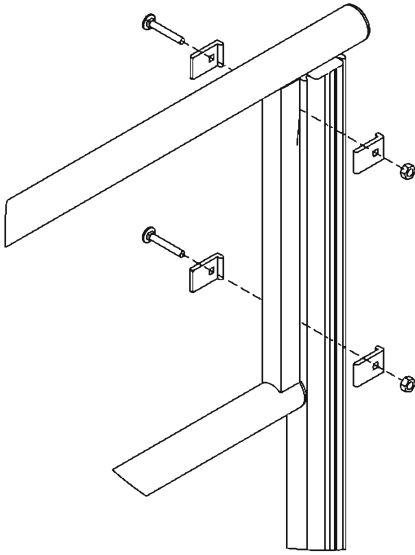


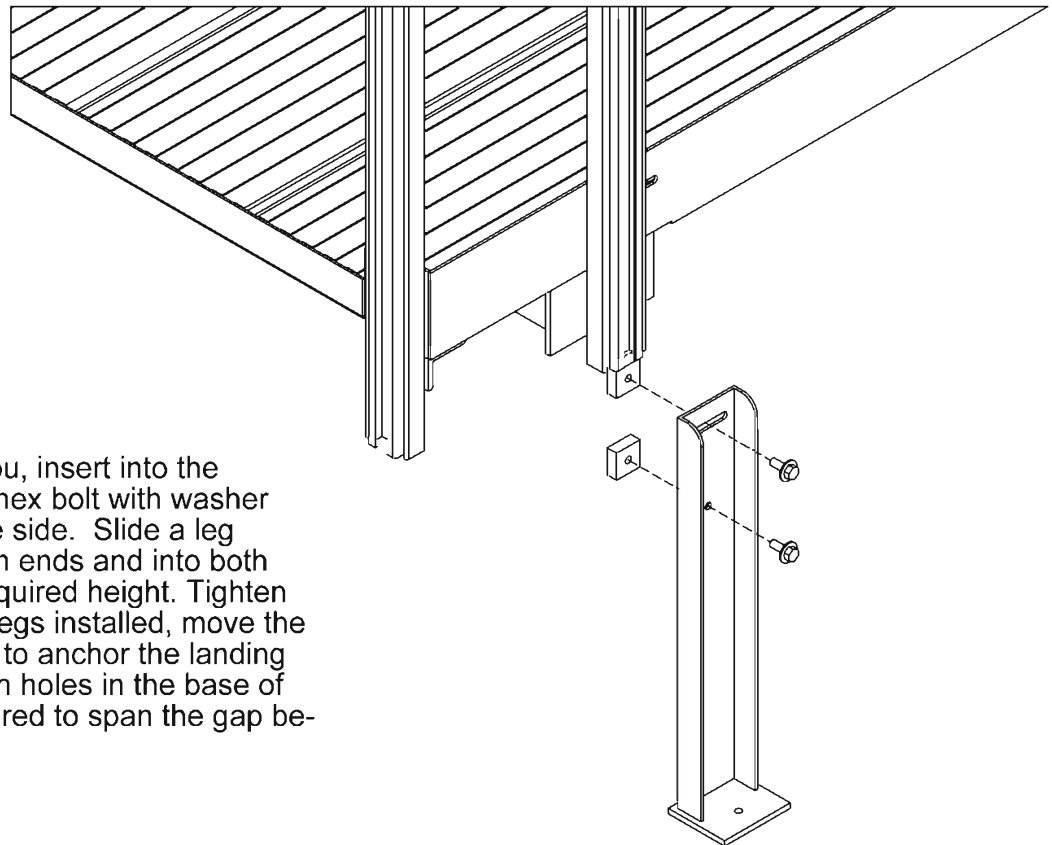
Figure 2.



**Figure 3.**

### Attaching Handrail

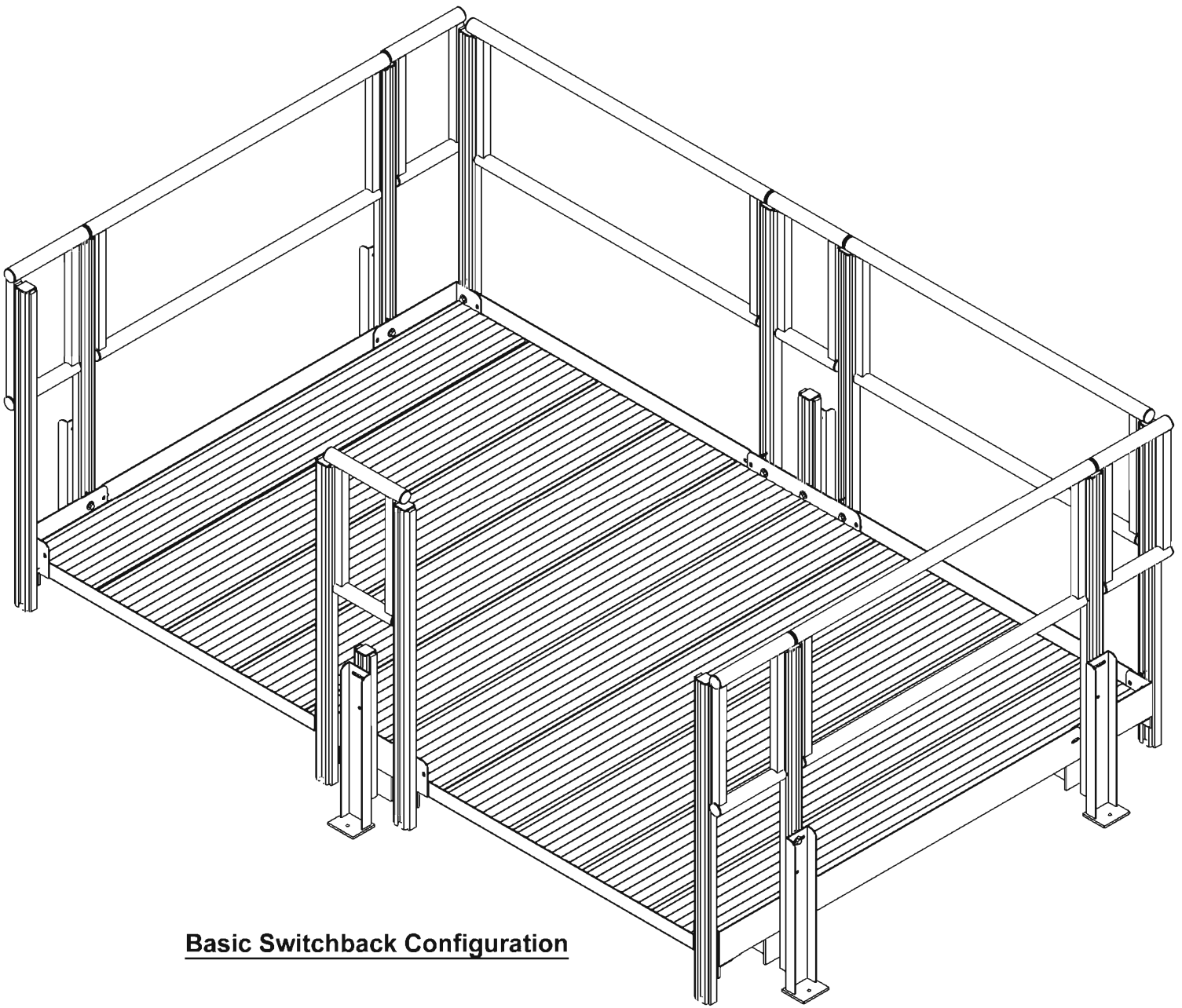
Determine locations you will be coming on and off the landing. Attach the handrails to the sides you will not be using. Attach the 41 1/2" handrail to the 38" post with handrail clips, 1/4"x1 3/4" carriage bolts and 1/4" lock nuts. At all corners, attach to the post the 10 9/16" corner handrail provided. Also attach the remaining 10 3/4" center handrails in the middle of both eight foot side of the landing. Adjust and tighten all handrail down. Tighten down too all the posts to the landing. Next attach curb angle to the landing. These will be located at the openings you will not be using just below the 41 1/2" handrails. Insert through the slot in the curb angle and hole in landing a 5/16"x7/8" hex bolt with washer and finish with a washer and 5/16" lock nut on the opposite side. Repeat this procedure on the other openings. Tighten Bolts. (See Figure 3.)



### Attaching Legs

With leg channels facing you, insert into the slot and the hole a 5/16"x7/8" hex bolt with washer and a slide nut on the opposite side. Slide a leg into each 38" post on the beam ends and into both 17" post. Adjust legs to the required height. Tighten all bolts. (See Figure 4.) With legs installed, move the landing to its location. Be sure to anchor the landing down with anchor bolts through holes in the base of legs. A threshold may be required to span the gap between the house and landing.

**Figure 4.**



### Basic Switchback Configuration

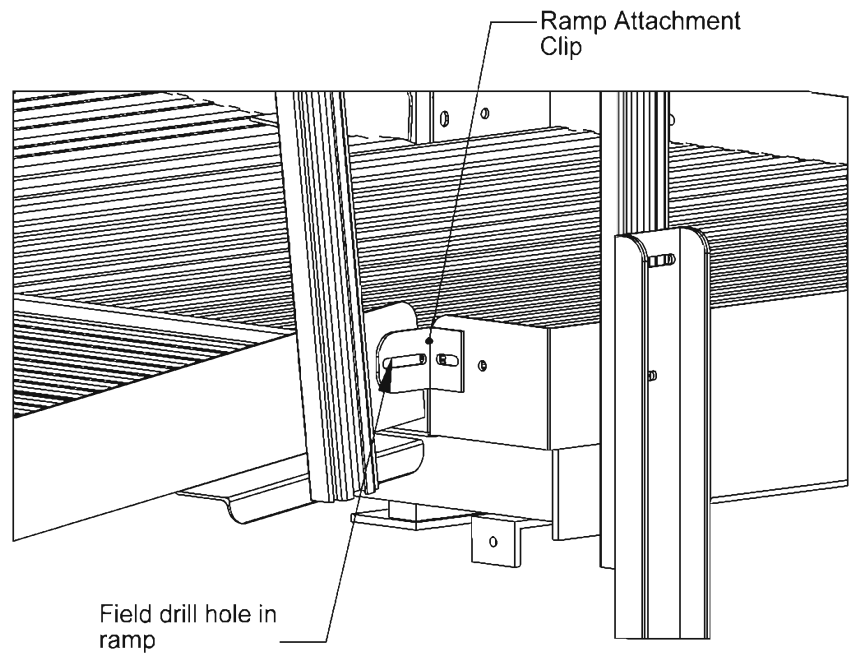
The instructions provided is a basic way of assembling the landing. Reconfigure the landing according to its application to the building.

### Anchoring Landing

With completion of the landing assembly, finish tightening all nuts and bolts. The landing needs to be anchored to the ground with anchor bolts. Most of the time your landing will be placed over existing concrete. If you find yourself over grass or another surface, we suggest putting patio blocks under each leg. These are usually inexpensive and work well to anchor the landing.

## Attaching Ramp

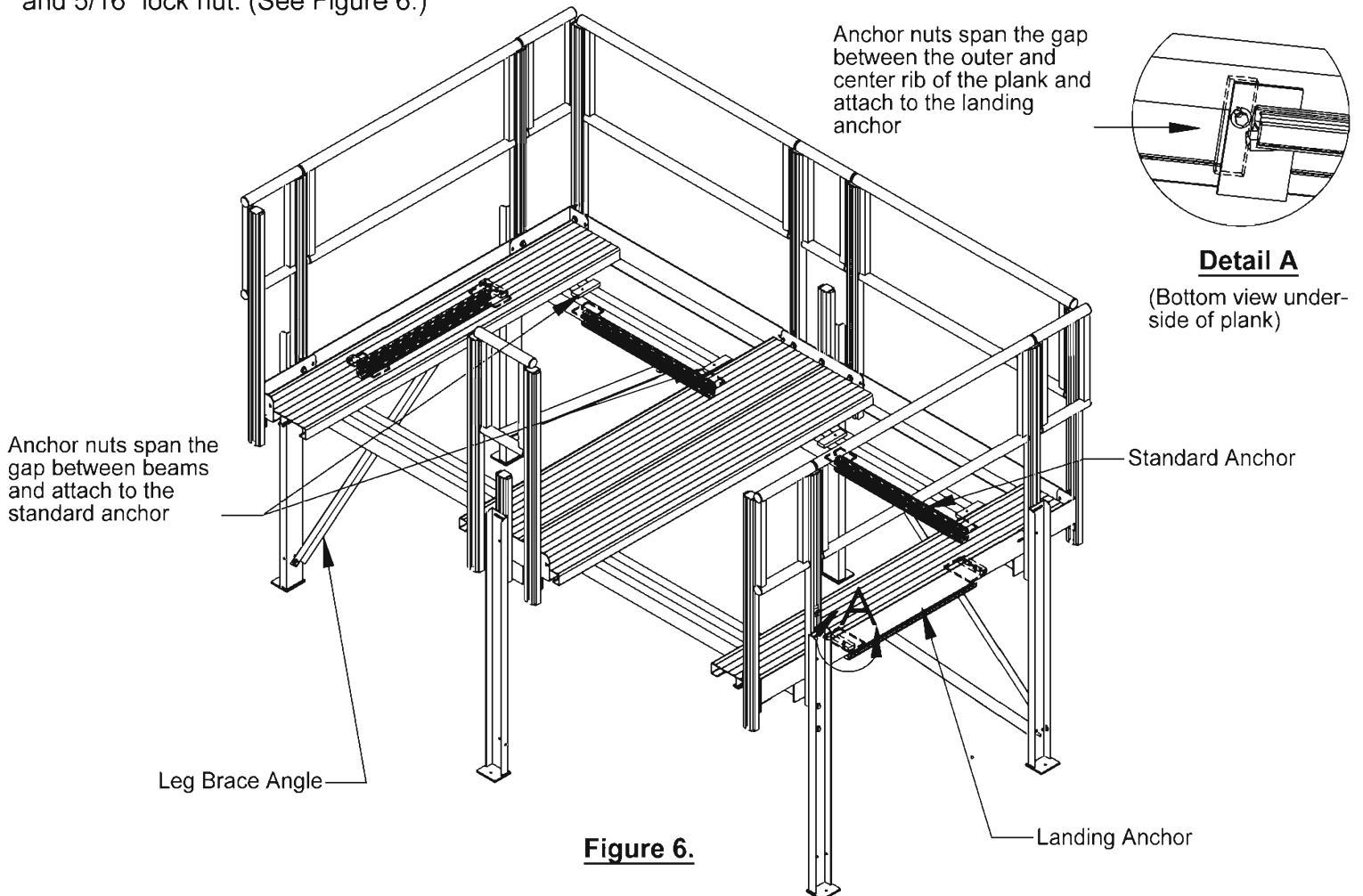
Move the ramp to its location on the landing and adjust the height of the ramp to the landing. Locate the ramp attachment clips provided and insert into the short slot a  $5/16"$  x  $7/8"$  hex bolt and washer. Insert this assembly through the holes  $1/2"$  in from each side of the opening on landing. Finish with a washer and  $5/16"$  lock nut on the opposite side. Line up the longer slot in the ramp attachment clip with the ramp and drill a hole to fit a  $5/16"$  bolt in this location. Insert through the slot and hole a  $5/16"$  x  $7/8"$  hex bolt, washer and finish with a washer and  $5/16"$  lock nut on the opposite side. Tighten. (See Figure 5).



**Figure 5.**

## Leg Brace Anchor (when required)

The standard anchor is bolted to the underside of the  $2\ 1/2"$  x  $1\ 1/2"$  beams with  $5/16"$  x  $3\ 1/2"$  hex bolts, washers and leg brace anchor nuts. The bolt on each end should be centered between the beams and the anchor should be centered in the landing. The landing anchor is bolted to the plank on beam end sides with  $5/16"$  x  $1\ 1/2"$  hex bolts, flat washers and leg brace anchor nuts. The landing anchor is located as close to the outer edge of the plank as possible and the anchor nuts span the gap between the outer and center rib of the plank. Attach the leg brace angles to anchors with  $5/16"$  hex bolts, washers and slide nuts and to the legs with  $5/16"$  hex bolt, washers and  $5/16"$  lock nut. (See Figure 6.)



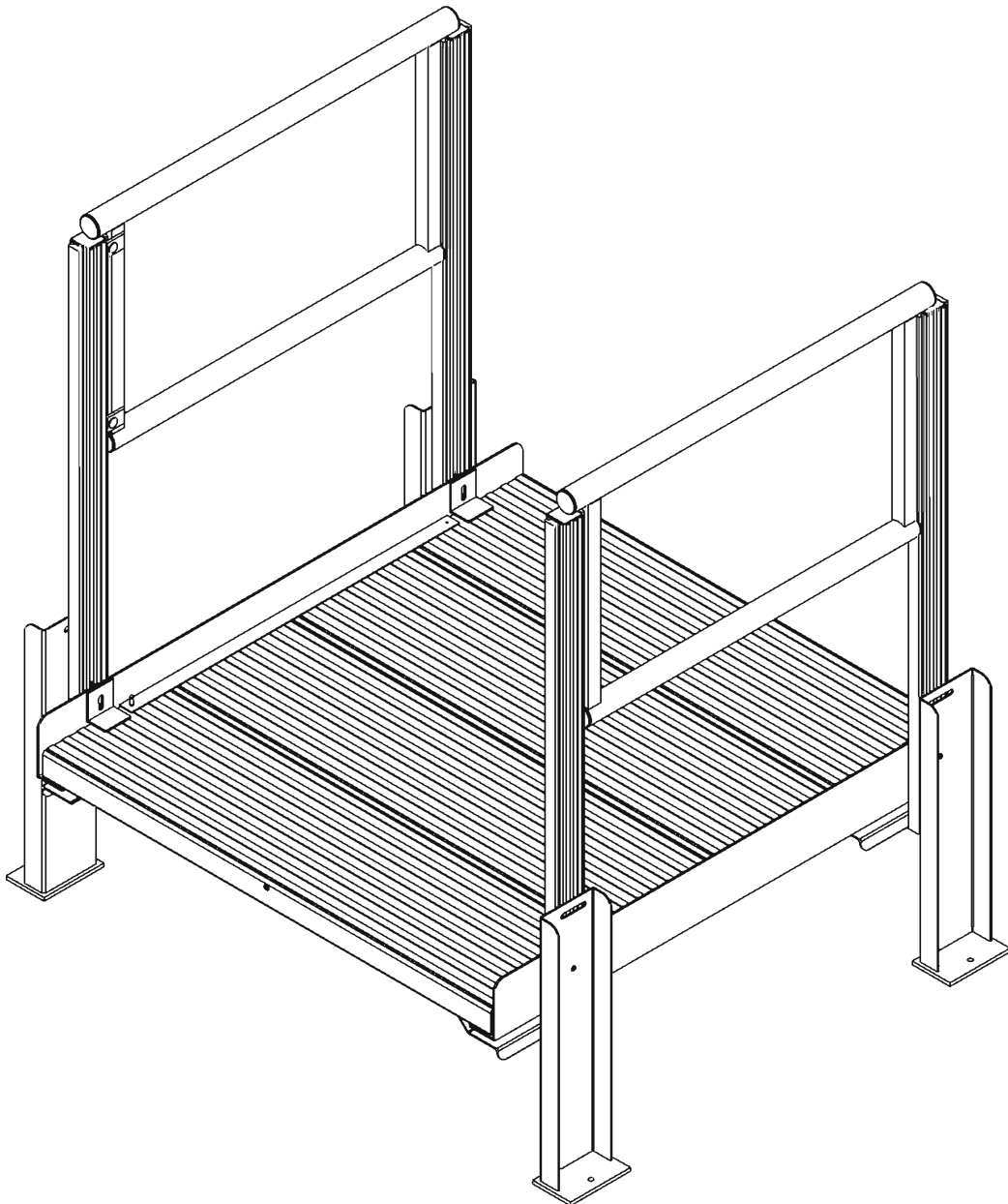
**Figure 6.**



Prairie View Industries, Inc.

## Intermediate Landing

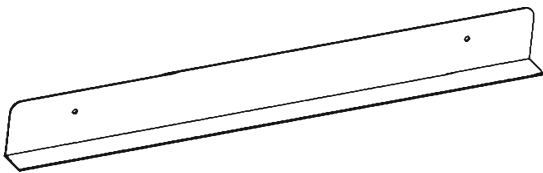
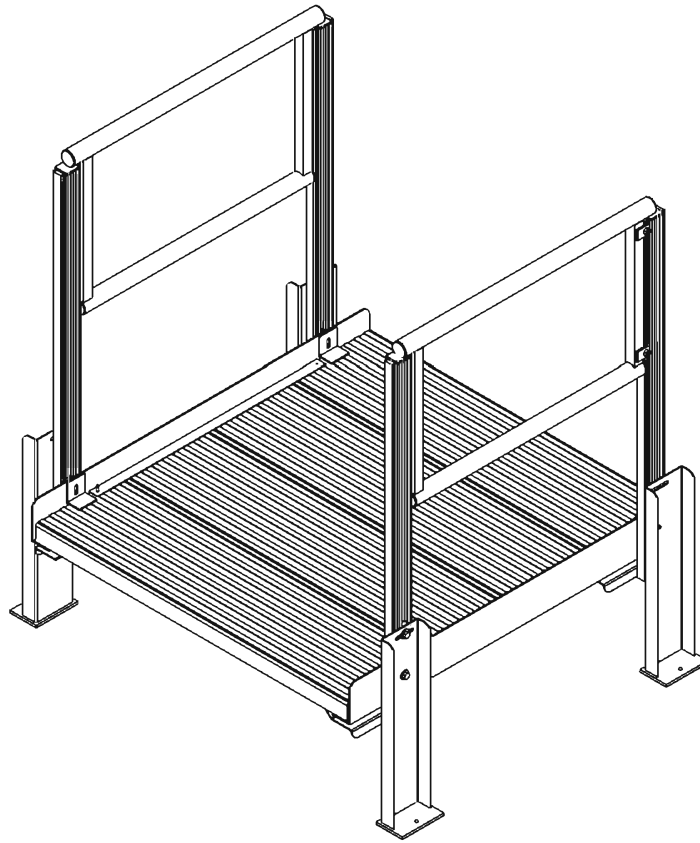
---



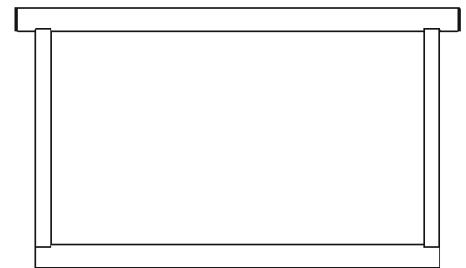
---

**Assembly Instructions**

# Intermediate Landing Material



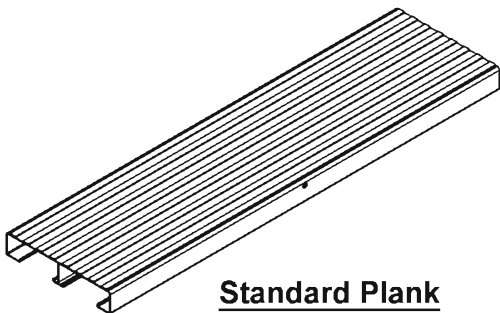
38 3/8" Frame Angle



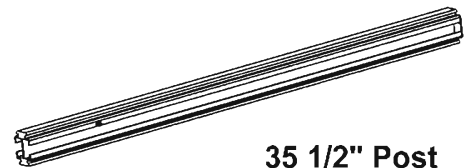
28 3/4" Handrail



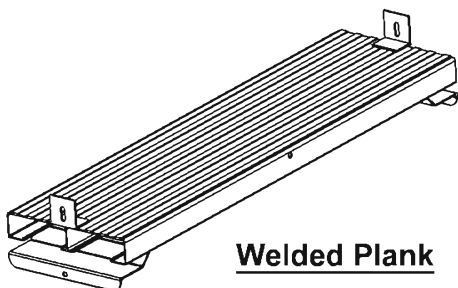
Slide Nut



Standard Plank



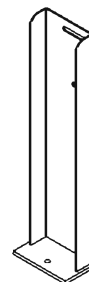
35 1/2" Post



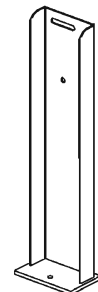
Welded Plank



Handrail Clip



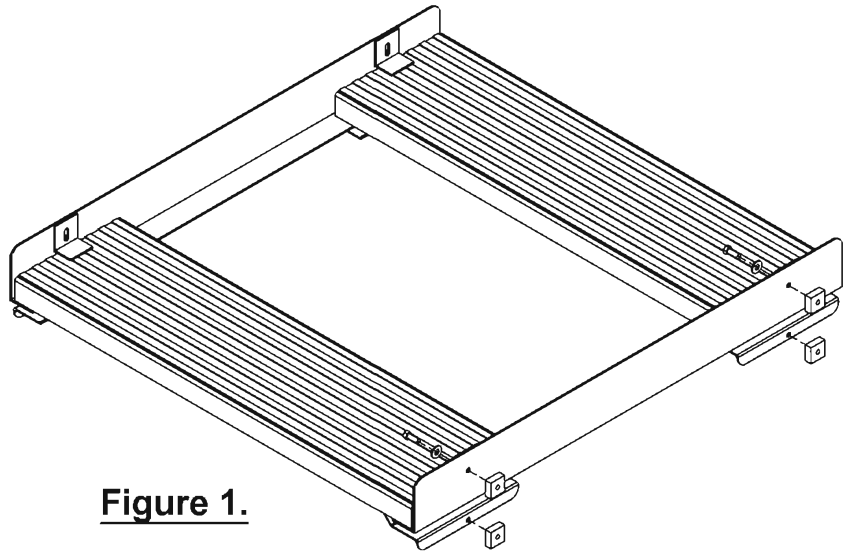
Right 18" Leg



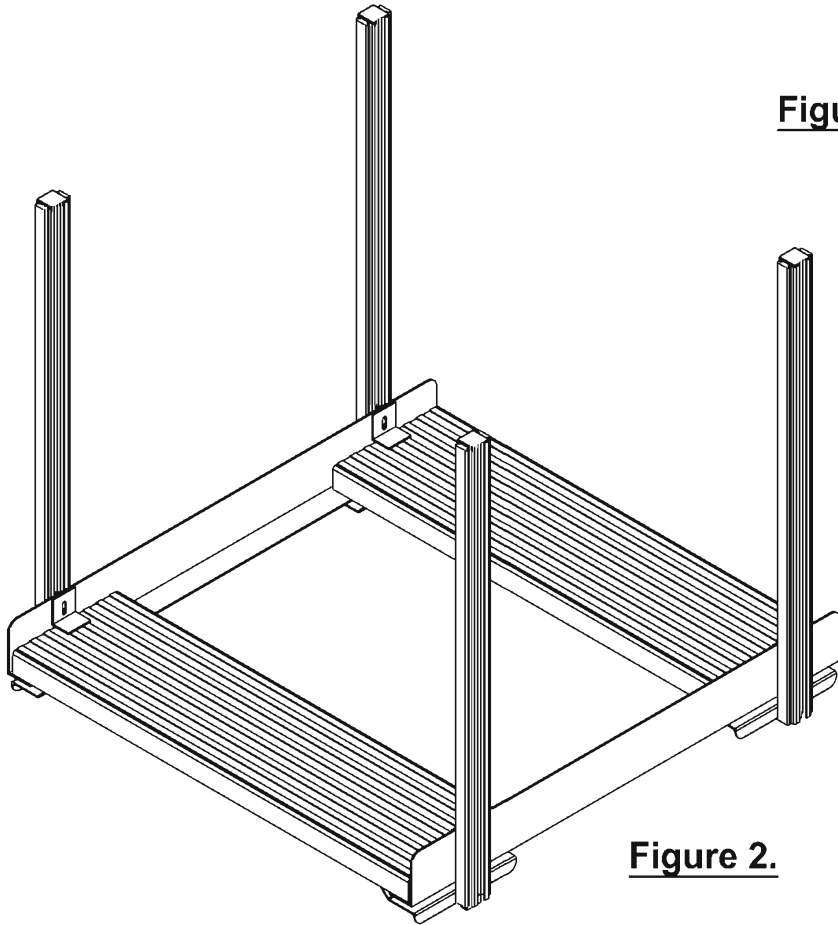
Left 18" Leg

# Assembly Instructions

Position welded plank assemblies so that slot in vertical tab on welded plank is aligned with the holes near the ends of frame angle. The plank rest on 2" leg of frame angle. Start 5/16" x 7/8" hex bolt with flat washer into a pair of square slide nuts at each end of both welded plank assemblies. (See figure 1.)



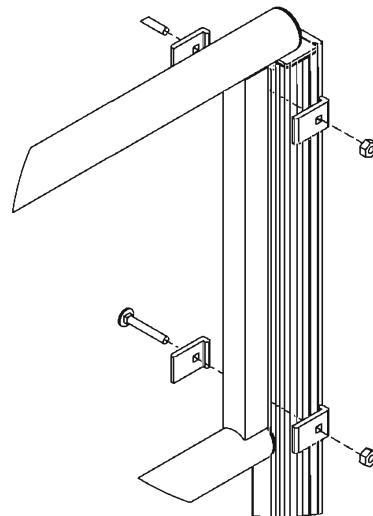
**Figure 1.**



**Figure 2.**

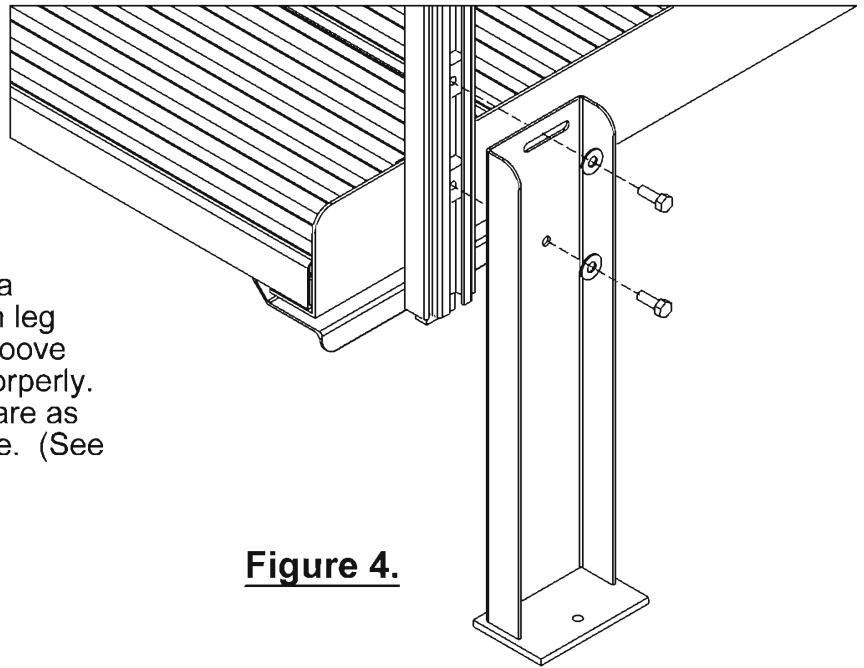
Slide upport post onto each pair of slide nuts (capped end on top with welded tab on post to inside and resting on top of 4" angle frame). Finger tighten bolts. (See Figure 2.)

Attach handrail assembly to both sides with handrail clips, 1/4" x 1 3/4" carriage bolts, and adn self-locking nuts. Tighten handrail bolts. (See Figure 3.)

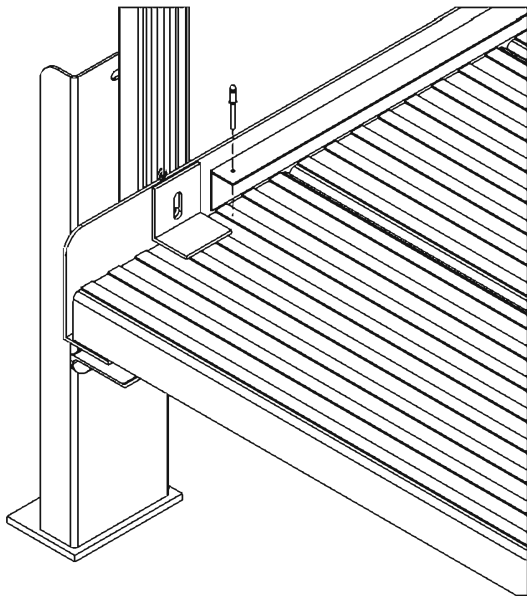


**Figure 3.**

With channel of leg facing you, start a 5/16" x 7/8" hex bolt with flat washer into a slide nut at round and slotted hole of each leg assembly. Slide the legs into the outer groove of the post. Be sure the legs are offset properly. They should be installed so that the legs are as near to the ends of the landing as possible. (See Figure 4.)

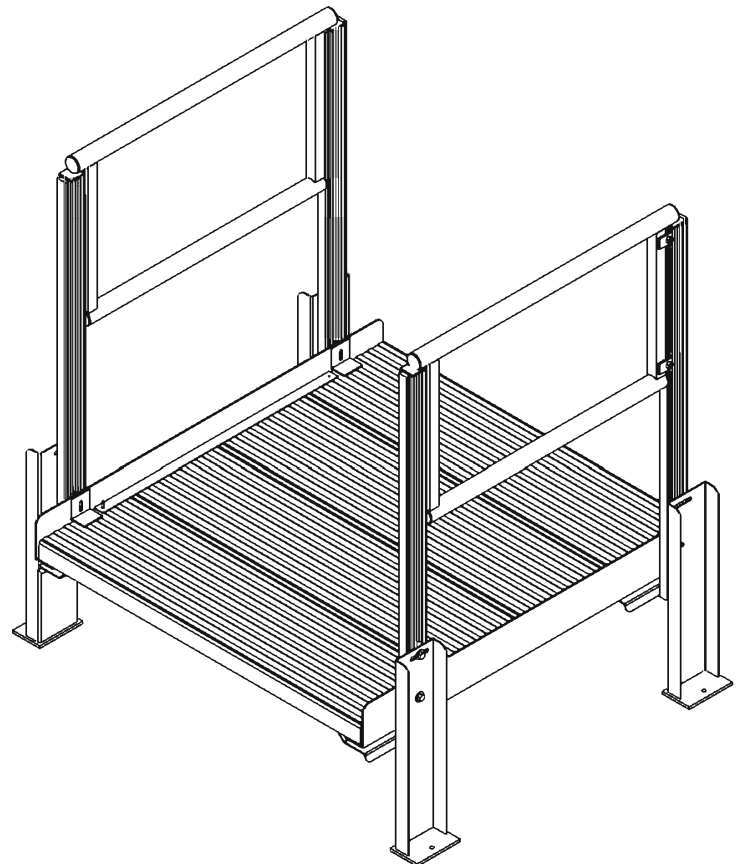


**Figure 4.**



**Figure 5.**

Set platform on its legs and drop 2 standard planks in the open area between the welded planks. Drop hold down angles into place between plank ends and 4" frame angle. Drill a 1/8" hole and pop rivet the hold down and let to both ends of each of the planks. Take care to avoid vertical ribs in planks when drilling holes for rivets. (See Figure 5.)



Set in place and adjust legs so platform is level and at the proper height. Go back over landing to be sure everything is tight and secure. Anchor landing to ground.