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Access for Living

Platform Assembly Instructions

For a short video of Ramp and Platform assembly go to:
http://www.access4uinc.com/instructionsvideo/g5.mp4

Common sense:

- Review the drawing that came with your shipment before starting assembly.
- Consider door opening directions to avoid interference with handrails, platform and ramp.
- Proper installation requires anchoring to immovable objects. Consider terrain, wind and conditions of use.

Tools:

- Ratchet or impact wrench with ½ inch deep socket
- Screwdriver
- Mallet
- String for checking alignment
- Level for checking horizontally and vertically
- Drill/driver for self-tapping screws No2. square head provided
- Metal saw or grinder with cut off wheel in case legs need to be shortened
- Anchoring tools required for site conditions – May include hammer-drill and drivers

Important hints to help make assembly easier:

- Place parts in approximate location on ground before assembly
- Do not anchor posts to ground until entire frame assembly is completed and located in final position
- Do not tighten nuts/bolts until whole ramp/platform frame is completely assembled and you are satisfied with position and level so the platform and or ramp is ready for anchoring of the frame
- Anchor the foot of each leg to a solid, immovable footer or similar foundation
- All bolts are 5/16-18 which takes a ½ in socket wrench. Self-tapping screws are provided

Assembly Approaches:
Ramps and platforms are self supporting and may be assembled separately.

1. Arrange the platform components near the desired positions for installation. Platform deck, posts, legs and handrails.

2. Attach footplate to leg with 2 ½” carriage bolt and nut in most convenient position (see below)

HINT: Experienced Installers place the footplate underneath the platform with the leg in one of the positions shown below. In the center, outside position, the platform can be pushed flush with corners/porches overhangs.

Center Outside

Corner Inside

3. Loosen two (2) bolts at corner of the platform deck (make sure bolts do not protrude inside clamp)

Hint: Experienced installers stand the platform on its side and roll the platform to reach all the corners.

4. Insert LEG through clamp – set to approximate planned height of platform and snug one bolt
   Repeat at all 4 outside corners.
   For 6 legged platforms, insert middle legs but adjust so that they do not touch ground until platform is leveled.

5. Place platform in position and adjust height as necessary to level platform deck. Be aware that a very slight slope away from the building is preferred to allow rain or snow runoff from the roof to flow from the ramp and building.

6. Legs must extend between 6” & 18” above platform deck. Measure to be sure that excess leg does not extend more than 18 Inches above platform deck as it will interfere with lower handrail. **If necessary, cut LEG so it sticks out between 6 and no more than 18 inches above platform deck**

7. Handrails can be assembled in various configurations. This shows the basic assembly of handrail panels for platform. Detailed assembly drawings are on pages 6-8.

HANDRAIL PANELS AND CONNECTIONS with Ramps (see last page)

Locate the picture that looks most like your application on the following page for a 5x5 platform and ramp connection(s). The 5x6 and 5x7 are similar. You may also have a MIRROR image but even if you do, work in a clockwise direction. Do not tighten bolts and nuts until complete.

LONG PANELS (5,6,7 and 8 ft. Handrail panels

Start working in a clockwise direction with the 5 ft. panels. That usually means at corner "A".
Place the 5 ft. (3) rail panel over the leg with the bolts that clamp it to the leg on the outside of the platform.

The corners of the examples are labeled A, B, C, or D. The connections at all "A" corners are the same and shown in the enlarged area in the drawing. The connects at all "B" corners are the same and shown in the enlarged drawing. This is also the case for C, D, and E corners.

If the platform layout has a "B" connection, place the second 5 ft. (3) rail panel over the leg, as in the step above. Use (2) 3-inch hex bolts. Then complete the "C" connection(s) using (2) 3-inch hex bolts.

SHORT SIDE PANELS

Note: If ramp is being connected to platform in a center or intermediate position, installer may have to cut handrails to fit exact ramp to platform location.
Place the assembled short side panel over the leg, locate the elbows for the top middle and top handrail and secure them with self-tapping screws.
Locate the lower/curb rail support and attach it as shown with self-tapping screws.
Finishing UP

1. Insert self-tapping screws in handrail/sleeve

2. Check position, level, alignment and tighten all bolts. Make sure the two bolts that clamp the LEG to the platform deck are tight and bottomed out

Tighten all bolts, insure, that self-tapping screws are in both ends of elbows and connect platform to adjoining ramps with EXIT PLATE and anchor securely.

Ramp Handrails are placed inside of platform to comply with ADA guidelines.

8. For details of the most common configurations please choose from the following drawings.

Congratulations!

Platform Instructions
Straight

Step 8: Check level & adjust if necessary.
Knock in or cut all unused studs
Tight all bolts: Foot-Leg, Leg-Deck, Leg-Post, Rail-Post

FEET, LEGS & DECK:
Step 1: Determine orientation of each FOOT & assemble LEGS to FEET with 2 1/2" carriage bolts

Step 2: Loosen hex-bolts at all corners of DECK & slide LEG thru clamps. Set LEGS for approximate deck height. LEG should extend 4"-18" above DECK. Finger tighten clamp bolts. Level DECK by adjusting each LEG

RAIL PANELS:
Step 3: If inside corner RAILS & POST are not preassembled, assemble RAILS to POST to make INSIDE PANEL. Shorter Rail is CURBRAIL

Step 4: Loosen hexbolts at bottom of POSTs & slide OUTSIDE PANELS over LEGs at corners A & C then POST at corner C & INSIDE PANEL at corner D. Knock in or cut bottom stud in POST on side facing PANEL. DO NOT TIGHTEN BOLTS AT BOTTOM OF POSTS UNTIL STEP 6. Posts must slide freely.

Step 5: Connect OUTSIDE PANEL at corner A to POST at corner B & OUTSIDE PANEL at corner C to INSIDE PANEL at corner D with (2) 2 3/4" Hex bolts. DO NOT TIGHTEN BOLTS AT BOTTOM OF POSTS UNTIL STEP 6. Posts must slide freely.

Step 6: Connect to ramprails with ELBOWS. Longer ELBOW arm goes to upper ramprail. Now tighten hex-bolts at bottom of posts.

Step 7: Assemble CURB SUPPORT to CURB RAIL. Anchor to DECK with screws

FINAL CHECK:
Step 8: Check level again & adjust if necesssary.
TIGHTEN ALL BOLTS:
FOOT-LEG, LEG-DECK, DECK-POST, POST-RAIL

Platform Instructions
Turn 90

Step 8: Check level & adjust if necessary.
Tight all bolts: Foot-Leg, Leg-Deck, Deck-Post, Rail-Post

FEET, LEGS & DECK:
Step 1: Determine orientation of each FOOT & assemble LEGS to FEET with 2 1/2" carriage bolts

Step 2: Loosen hex-bolts at all corners of DECK & slide LEG thru clamps. Set LEGS for approximate deck height. LEG should extend 4"-18" above DECK. Finger tighten clamp bolts. Level DECK by adjusting each LEG

RAIL PANELS:
Step 3: If inside corner RAILS & POST are not preassembled, assemble RAILS to POST to make INSIDE PANEL. Shorter Rail is CURBRAIL

Step 4: Loosen hexbolts at bottom of post & slide OUTSIDE PANELS over LEGs at corners A & B, then POST at corner C & INSIDE PANEL at corner D. Knock in or cutoff bottom stud in POST on side facing panel. DO NOT TIGHTEN BOLTS AT BOTTOM OF POSTS UNTIL STEP 6. Posts must slide freely

Step 5: Connect OUTSIDE PANEL at corner A to OUTSIDE PANEL at corner B & OUTSIDE PANEL at corner B to POST at corner C with (2) 2 3/4" Hex bolts. DO NOT TIGHTEN BOLTS AT BOTTOM OF POSTS UNTIL STEP 6. Posts must slide freely.

Step 6: Connect to ramprails with ELBOWS. Longer ELBOW arm goes to upper ramprail. Now tighten hex-bolts at bottom of posts.

Step 7: Assemble CURB SUPPORT to CURB RAIL. Anchor to DECK with screws

FINAL CHECK:
Step 8: Check level again & adjust if necesssary.
TIGHTEN ALL BOLTS:
FOOT-LEG, LEG-DECK, DECK-POST, POST-RAIL

Platform Instructions
U-Turn

FEET, LEGS & DECK:
Step 1: Determine orientation of each FOOT & assemble LEGS to FEET with 2 1/2" carriage bolts

Step 2: Loosen hex-bolts on DECK & slide LEGs thru clamps. Set LEGS for approximate deck height. LEG should extend 4"-18" above DECK. Finger tighten clamp bolts. Level DECK by adjusting each LEG. Cutoff LEGs at E & F to 3" above DECK. Assemble STUB POSTs over LEGs at E & F

OUTSIDE RAIL PANELS:
Step 3: Loosen hexbolts at bottom of post & slide OUTSIDE PANELs over LEGs in order at corners A, B & C, then POST at corner D. DO NOT TIGHTEN BOLTS AT BOTTOM OF POSTS UNTIL STEP 4. Posts must slide freely.

Step 4: Connect OUTSIDE PANELs to each other & POST with (2) 2 3/4" Hex bolts. When all OUTSIDE PANELs & POST are assembled to each other tighten bolts at bottom of posts.

INSIDE CORNER RAILS:
Step 5: Connect ramprails with ELBOWS. 3 5/8" arm connects to upper rail of down side ramp and lower rail of up side ramp.

FINAL CHECK:
Step 6: Check level again & adjust if necesssary. TIGHTEN ALL BOLTS: FOOT-LEG, LEG-DECK, DECK-POST, POST-RAIL