



Prefabricated Modular Steel Ramps

Manufacturer:
PortaWalk, Inc.
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We meet all ADA
ADA - American Disabilities Act

QUALITY ASSURANCE

All components shall be universal so that a ramp system can be relocated and assembled into many different configurations. All exposed surfaces shall be smooth and free of sharp or jagged edges.

PortaWalk, Inc. warrants its products to be free from defects in material and workmanship in the course of manufacturing for a period of one year beginning at date of product delivery. This warranty excludes any defects resulting from abnormal use in installation, service, accidental or intentional damage or any occurrences beyond the manufacturer's control.

PRODUCTS

RAMP SECTIONS

Engineering

- a. Ramp sections shall be designed for a minimum uniform live load of 200 pounds per square foot and a concentrated vertical load of 500 pounds distributed uniformly over an area of 1 square foot.

Materials

- a. Decking - 11 ga. steel plate.
- b. Framing - 14 ga. steel tubing 4" x 1-1/2".
- c. Ramp sections shall be prefabricated in typical 8 foot or less lengths.
- d. Custom lengths shall be fabricated as requested.
- e. All ramp sections shall be designed for minimum 4" to maximum 60" height.
- f. Ramp walking surface width shall be 48" minimum inside to inside measurement. All walking surfaces are non-skid.

LANDINGS

Engineering

- a. Landings shall be designed for a minimum uniform live load of 200 pounds per square foot and a concentrated vertical load of 500 pounds distributed uniformly over an area of 1 square foot.

Materials

- a. 11 ga. steel plate.
- b. Framing - 14 ga. 4" x 1-1/2" steel tubing.

Design

- a. Landings shall be prefabricated in typical 5'x5' sections. Larger sizes will be fabricated as required by local codes and for specific applications as indicated on drawings.
- b. Landings shall be designed for adjustment minimum 4" to a maximum 60" height.
- c. The walking surface of the landing shall be non-skid.

LEGS

Engineering

- a. The legs shall be designed to support the ramp and landing sections.

Materials

- a. Legs shall be all steel construction, minimum 14 ga.
- b. All fasteners shall be ASTM A307.

Design

- a. The legs shall be threaded for adjustment. The legs shall be designed to be independent each side, to allow for adjustments without additional foundation systems, and not protrude outside the footprint of the walking surface eliminating tripping hazards.
- b. All legs shall be thoroughly bolted.
- c. All legs shall have 14 ga. 3"x3" pads.

HANDRAILS - GUARDRAILS

Engineering

- a. Guardrails and handrails shall be designed and constructed for a concentrated load of 300 pounds applied at any point and in any direction at the top of the handrails or guardrails.
- b. Handrails and guardrails shall be designed and constructed for a load of 100 pounds per linear foot applied horizontally at the required guardrail height and a simultaneous load of 200 pounds per linear foot applied vertically downward at the top of the guardrail.

- c. Handrails and guardrails shall be designed and constructed to resist a 300 pound concentrated horizontal load applied over a one square foot area at any point in the system.

Note: The above loading shall be applied simultaneously.

Materials

- a. All handrails and guardrails shall be minimum 14 ga. sq. tube design.
- b. Handrail gripping surface shall be smooth and continuous throughout ramp sections and landings.
- c. The handrail shall be 14 ga. 1-1/2" sq. tube, verticals to be 14 ga. steel, 1-1/2" square tube.

Design - over 30" Threshold

- a. If over 30" in height, guardrails shall form a protective barrier of a minimum of 42" high. Guardrails shall be designed such that a 4" sphere cannot pass through any opening.
- b. Guardrail horizontal to be 14 ga. 1-1/2" steel sq. tubing. Verticals to be 14 ga. 1-1/2" sq. steel tubing.

PortaWalk's Portability

As easy as towing your boat to the lake this explains the ease of portability of the PortaWalk system. The effortless transportation allows for trouble-free installation and relocation of system.

Customize your Modular Ramp

Color can be added to either enhance or camouflage the appearance of your PortaWalk system. Choosing from a palette of finishes and colors you can customize PortaWalk for your aesthetic needs.

Contact PortaWalk for more details

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