

Fixed Aluminum Industrial Stairs

05 51 16
05 51 19

**Fixed
Industrial
Stairs**



MADE IN THE
USA SINCE 1942



Precision Ladders, LLC • P.O. Box 2279 • Morristown, TN 37816
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Precision Ladders, LLC

www.PrecisionLadders.com



Fixed Industrial Stairs

Fixed Industrial Stair

Precision's Fixed Industrial Stairs are built to meet or exceed OSHA 1910.24 (consult factory for additional building codes and their requirements). Unlike vertical and inclined ladders, industrial stairs have a climbing angle of 30 to 50 degrees which means the user can easily carry items such as toolboxes, equipment, crates, etc. up and down these stairs. Precision's Industrial Stairs meet OSHA code when accessing mezzanines, catwalks, roof hatches, etc. The relative weight of these units compared to steel makes it easier to install and it's aluminum construction also makes it virtually maintenance free. As with all of Precision's products, industrial stairs are built to project conditions and shipped to the job site completely fabricated ready for installation.

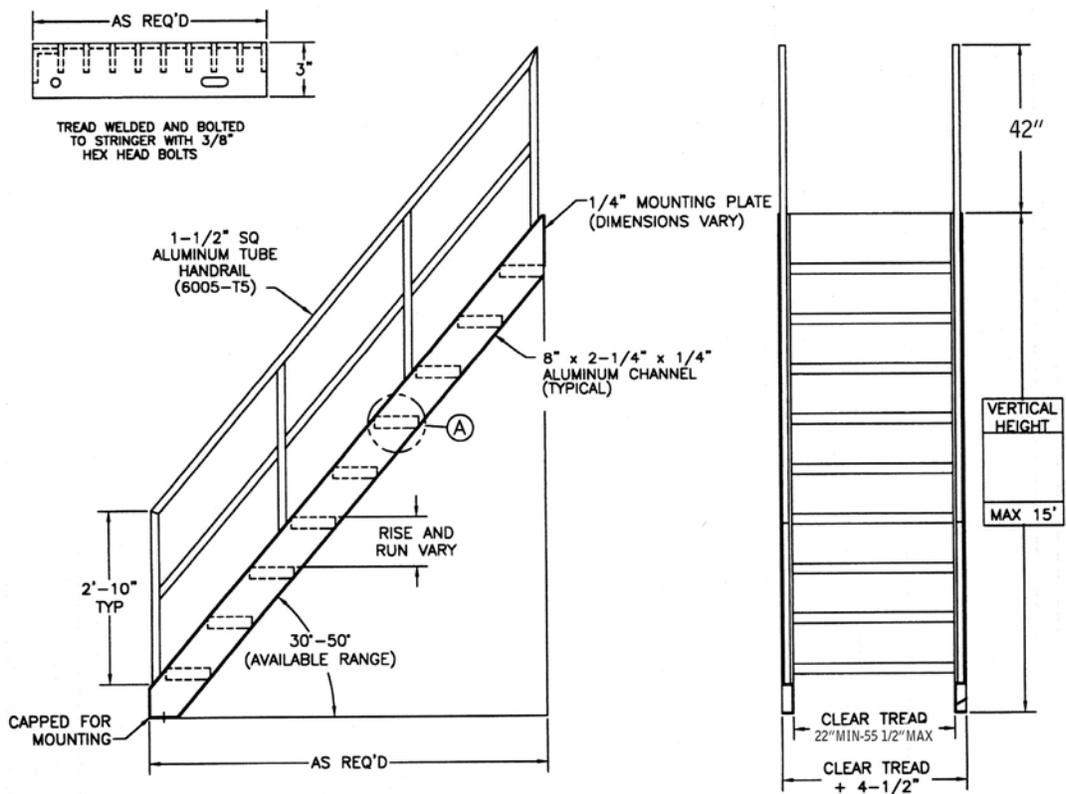
Some important characteristics of these stairs are:

- All components shall be 6000 series aluminum alloy (6005-T5 typical).
- Fully welded construction is used throughout.
- Stringers are 8" x 2.29" x 1/4" aluminum structural channel
- Treads are 6000 series aluminum bar grating (standard) both welded and bolted to stringer to withstand a minimum 1000 pound loading per tread. (depth determined by rise & run)
- Standard 30" stair width provides a 25.5" clear tread width.
- Handrails are a 2-line, 1-1/2" Aluminum Square Tube (6005-T5)
- Mill finish aluminum
- Available in pitches from 30 degrees to 50 degrees.

Available as options:

- Tread widths up to 55-1/2" maximum (clear tread width)
- Other finishes available: powder coat
- Other tread materials: aluminum anti-slip grit plate (3003-H14)
- Special applications: "Crossover" or bridge stairs, landing platforms and catwalks.

(A) BAR GRATING TREAD
(GROOVED NOSING)



Phone: (800) 225-7814 or (423) 586-2265 • Fax: (423) 586-2091
 DWG files available for download@www.precisionladders.com
 Consult factory for custom stairs.

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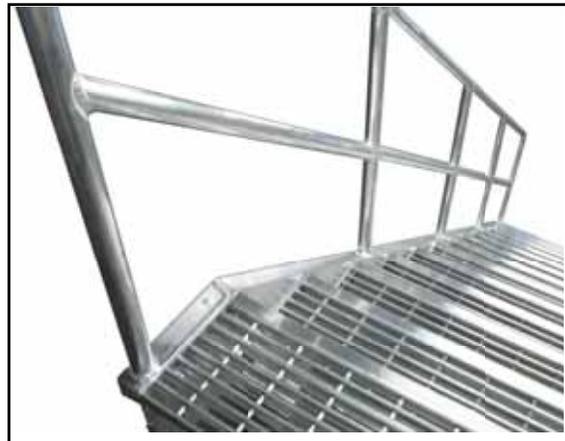


Fixed Industrial Stair

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8" x 2.29" channel stringer



Handrails fully welded at each intersection and to the stair stringer

**Fixed
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Stairs**



Stairway with mezzanine



Stairway with custom side panels

Tread Options

Anti-Slip Plate
(05 51 16)



Bar Grating
(05 51 19)



Stairway with landing platform

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Specifications

PART 1: GENERAL

1.01 SUMMARY

Fixed Aluminum Industrial Stairs per OSHA 1910.24

1.02 SYSTEM DESCRIPTION

The system is a fixed aluminum industrial stair designed to be permanently attached top and bottom. Pitch of 30° to 50° as measured from the horizontal is required by code. Treads shall be flat, slip free minimum of 22 inches of clear space. Two line 1-1/2" square aluminum tube handrails required on both sides of stair.

1.03 DELIVERY AND HANDLING.

Examine stair when it arrives on site. Notify the carrier and manufacturer of any damage.

1.04 QUALITY ASSURANCE

A. Manufacturer's Qualifications: A firm experienced in producing aluminum stairs similar to those indicated within this specification and with professional engineering competent in design and structural analysis to fabricate stairs, platforms and railings in compliance with industry standards and local codes.

B. Installer Qualifications: Competent and experienced firm capable of selecting fasteners and installing stairs to attain operational and structural performance.

C. Product Qualifications: Product design shall comply with OSHA 1910.24 standard for fixed industrial stairs.

1.05 WARRANTY

The unit carries a limited warranty of five (5) years against defective material and workmanship, covering parts only, no labor or freight. Defective parts, if deemed so by the manufacturer, will be replaced no charge, freight excluded, upon inspection at manufacturer's plant which warrants same.

1.06 MAINTENANCE

A. Under normal usage, the stair shall require no preventive maintenance.

B. No "spare parts" shall be required.

1.07 PRICING

Unit pricing is available from Precision Ladders, LLC representatives or by telephoning: (800) 225-7814

PART 2: PRODUCTS

2.01 MANUFACTURER

Precision Ladders, LLC, PO Box 2279, Morristown, Tennessee 37816. www.PrecisionLadders.com
Phone: (800) 225-7814 Fax: (423) 586-2091

2.02 MATERIALS

A. Stair

1. Stringers (Siderails) shall be aluminum structural channel 8" X 2.29" X 1/4" (6000 series).

2. Treads shall be 6000 series bar grating treads or formed aluminum anti-slip grit plate (3003-H14), both bolted and welded to stringer to withstand minimum 1000 pound loading. Depth is determined by rise & run.

B. HANDRAIL

1. 1-1/2" square aluminum tube (6005-T5)
2. Internal aluminum fittings. Welds will be raised but smooth.

C. SAFETY

Textured "slip resistant" bar grating aluminum (standard) or anti-slip grit plate treads both bolted and welded to stringer.

D. MANUFACTURED UNITS

The Precision Ladders Fixed Aluminum Industrial Stair is a Model PS-**. (** Total vertical height of stair in inches)

E. OPTIONS

1. Tread width as required up to 55-1/2" (Over 55-1/2" consult representative).
2. Finish options available: powder coat.
3. Tread material: bar grating or anti-slip grit plate
4. Catwalk / Platform / Landing: bar grating or anti-slip grit plate walking surfaces with 1-1/2" square aluminum tube handrails on all exposed sides. Supports will vary with job requirements. Platforms will ship in sections (pre-constructed at factory to ensure a proper fit) to the job for installation. Mounting hardware supplied by others. Connecting hardware supplied by Precision Ladders.

F. FABRICATION

1. Stairs are completely fabricated at factory to assure fit before shipment to the site. Some field assembly may be required due to site restrictions.
2. Handrail components are completely fabricated ready for field assembly to the unit before shipment to the site.

G. FINISHES

1. Mill finish is standard on aluminum components.
2. See options.

H. SOURCE QUALITY CONTROL

1. All products inspected at factory.

PART 3: EXECUTION

3.01 INSTALLATION

Install per the manufacturer's installation instructions.

A. Protect installed products until final completion.

B. Touch-up, repair or replace damaged products before final completion.

3.02 FIELD QUALITY CONTROL

The manufacturer has representatives in all areas of the United States and Canada. For the name of the closest representative, telephone (800) 225-7814 or visit www.PrecisionLadders.com.