

# Aluminum Ships Ladders

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Aluminum  
Ships  
Ladders



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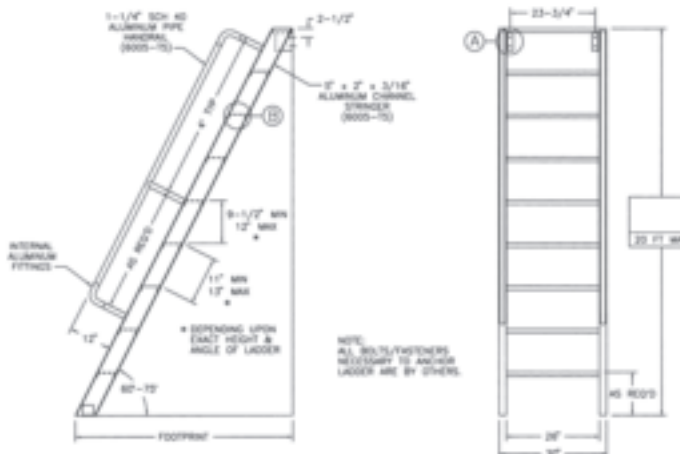
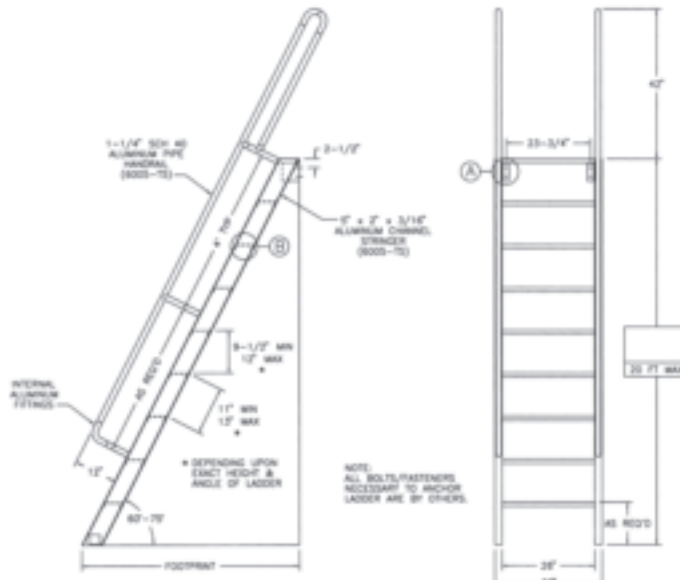
Precision Ladders, LLC



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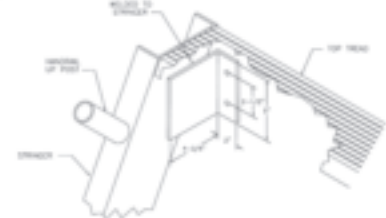
## Precision Aluminum Ships Ladders



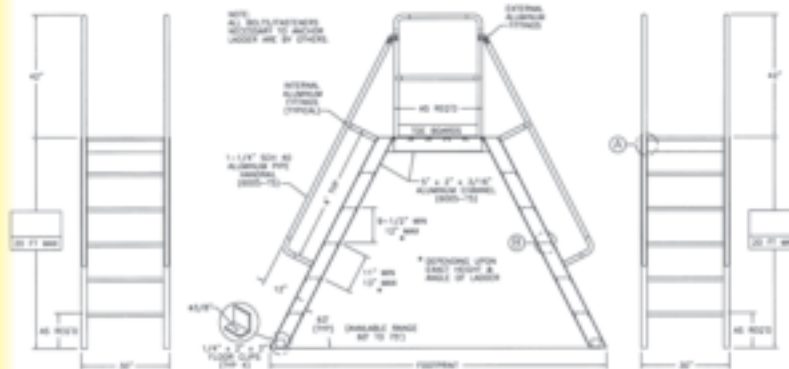
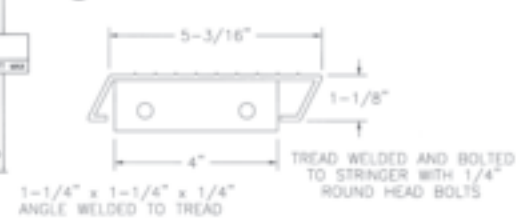
### Highlights

- 500 lb load capacity
- Stringers: 5" x 2" x 3/16"
- Treads: 26" wide x 5 3/16" clear (std)
- Deeply serrated treads for maximum traction (see bottom right)
- Handrails: 1 1/2" OD aluminum pipe featuring internal fittings for smooth finish
- Angle of incline: 60° - 75°
- Optional 42" handrail extension for accessing platform, landings, or elevated work spaces (shown top left)
- Finishes: Mill finish (std) anodized, enamel painted, powder coated or primed for field painting.
- Optional tread materials: checkered plate or bar grating
- Optional model for Roof Hatch access. (Shown left middle)
- Special applications: "Crossover" ladders, attached landing platform at top or between 2 ladders

(A) Standard Top Bracket Detail



(B) Standard Tread Detail



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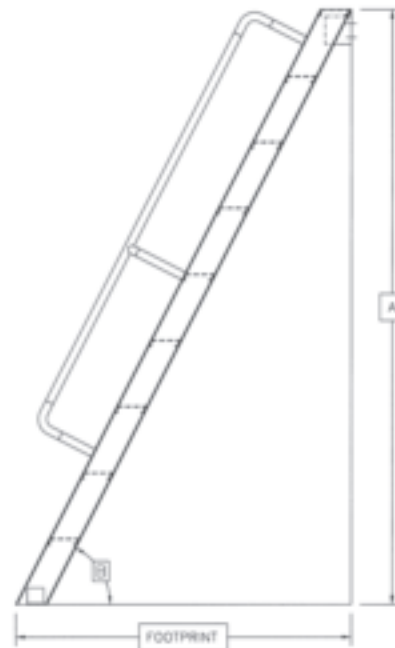
DWG files available for download @ [www.precisionladders.com](http://www.precisionladders.com)

Consult factory for custom ladders.

## Product Details

LEVEL TO LEVEL HEIGHT ("A")	PITCH OF LADDER ("B")				
	60°	63°	65°	70°	75°
72	47.3427	42.2974	39.0910	31.5267	24.4687
78	50.8068	45.3546	41.8888	33.7105	26.0764
84	54.2709	48.4117	44.6867	35.8943	27.6841
90	57.7350	51.4689	47.4845	38.0782	29.2918
96	61.1991	54.5260	50.2824	40.2620	30.8994
102	64.6632	57.5832	53.0802	42.4458	32.5071
108	68.1273	60.6403	55.8781	44.6296	34.1148
114	71.5914	63.6975	58.6759	46.8134	35.7225
120	75.0555	66.7546	61.4737	48.9972	37.3302
126	78.5196	69.8118	64.2716	51.1811	38.9379
132	81.9837	72.8689	67.0694	53.3649	40.5456
138	85.4478	75.9261	69.8673	55.5487	42.1533
144	88.9119	78.9832	72.6651	57.7325	43.7610
150	92.3760	82.0404	75.4630	59.9163	45.3687
156	95.8401	85.0975	78.2608	62.1002	46.9764
162	99.3042	88.1547	81.0586	64.2840	48.5841
168	102.7682	91.2118	83.8565	66.4678	50.1917
174	106.2323	94.2690	86.6543	68.6516	51.7994
180	109.6964	97.3261	89.4522	70.8354	53.4071
186	113.1605	100.3833	92.2500	73.0192	55.0148
192	116.6246	103.4404	95.0478	75.2031	56.6225
198	120.0887	106.4976	97.8457	77.3869	58.2302
204	123.5528	109.5547	100.6435	79.5707	59.8379
210	127.0169	112.6119	103.4414	81.7545	61.4456
216	130.4810	115.6690	106.2392	83.9383	63.0533
222	133.9451	118.7261	109.0371	86.1221	64.6610
228	137.4092	121.7833	111.8349	88.3060	66.2687
234	140.8733	124.8404	114.6327	90.4898	67.8764
240	144.3374	127.8976	117.4306	92.6736	69.4840

CHART 1: FOOTPRINT AT VARIOUS ANGLES AND HEIGHTS



The above list is only a sampling; if the exact floor height or desired pitch is not listed, please call the factory for assistance. (Any height not exceeding 20'0")

**Aluminum  
Ships  
Ladders**

## Other Products Available From Precision

Super Simplex Disappearing Stairways



Fixed Aluminum Wall Ladders



Roof Hatches



Safety Guard-Rail for Floor Openings

**Precision Ladders, LLC**



## Specifications

# Aluminum Ships Ladders

# Precision Ladders, LLC



### SECTION 05 51 33.16

#### Aluminum Ships Ladder

##### PART 1: GENERAL

###### 1.01 SUMMARY

- A. Aluminum Ships Ladder including ladder and handrails on both sides.
- B. Products required, but not supplied under this section.
  - 1. Required fasteners.

###### 1.02 SYSTEM DESCRIPTION

The system is an aluminum ladder designed to be permanently attached top and bottom. Pitches from 60°-75°, as measured from the horizontal, are available.

###### 1.03 DELIVERY, STORAGE, AND HANDLING

- A. Examine ladder when it arrives on site. Notify the carrier and manufacturer of any damage.
- B. Store ladder until installation under roof, if possible; or, if stored outside, under a tarp or suitable cover.

###### 1.04 WARRANTY

The ladder carries a limited warranty of one (1) year against defective material and workmanship, covering parts only, no labor or freight. Defective parts, if deemed so by the manufacturer, will be replaced at no charge, freight excluded, upon inspection at manufacturer's plant which warrants same.

###### 1.05 MAINTENANCE

- A. Under normal usage, the ladder shall require no preventive maintenance.
- B. No "spare parts" shall be required.

##### PART 2: PRODUCTS

###### 2.01 MANUFACTURER

Precision Ladders, LLC  
P.O. Box 2279  
Morristown, TN 37816  
Phone: (800) 225-7814  
Fax: (423) 586-2091

###### 2.02 MATERIALS

###### A. LADDER

- 1. Stringers (siderail)
  - 1.1 Aluminum channel  
5" x 2" x 3/16"(6005-T5).
- 2. Treads
  - 2.1 Aluminum channel  
5 3/16" x 2'2"(6005-T5).

- 3. Mounting Bracket
  - 3.1 Floor 2" x 3" x 1/4"  
aluminum angle.
  - 3.2 Top 5" x 2" x 1/4"  
aluminum angle.

###### B. HANDRAIL

- 1. 1 1/4" schedule 40 aluminum pipe (6000 Series).
- 2. Internal aluminum fittings.

###### C. SAFETY

Deeply serrated aluminum channel treads (standard) both welded and bolted to stringer.

###### D. MANUFACTURED UNITS

The Ships Ladder is a Model SL-\*\*. (\*\* Total vertical height of ladder in inches)

###### E. OPTIONS

- 1. Tread width as required to 4'0" (over 4'0" consult factory).
- 2. Finish options include primed for field painting, enamel painted, anodized, and powder coat finish.
- 3. Tread material options include checkered plate and various types of grating.

###### F. FABRICATION

Ladder is completely fabricated ready for installation before shipment to the site.

###### G. FINISHES

- 1. Mill finish on aluminum components.
- 2. See options

##### PART 3: EXECUTION

###### 3.01 INSTALLATION

Install per the manufacturer's installation instructions.

###### 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, call (800) 225-7814.