




# CROSSOVER SYSTEMS



LAPEYRE  STAIR

 [www.lapeyrestair.com](http://www.lapeyrestair.com)

# A culture of continuous improvement forged from a tradition of excellence

Lapeyre Stair manufactures precision-built access solutions for virtually every industry and application

- ✓ Pre-engineered products designed for customization
- ✓ Cost-effective, scalable solutions
- ✓ Easy integration across all product lines
- ✓ Modular components for quick, on-site assembly
- ✓ Commitment to zero-defect manufacturing
- ✓ Dedicated in-house resources

A photograph of J.M. Lapeyre, the founder of Laitram, standing next to a yellow alternating tread stair. He is an older man with glasses, wearing a dark suit, white shirt, and a red and white striped tie. He is smiling and has his hand on the yellow handrail of the stair. The stair is a modular, pre-engineered design with yellow frames and black treads. In the background, a silver metal ladder is visible.

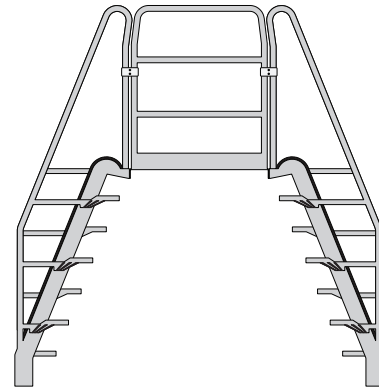
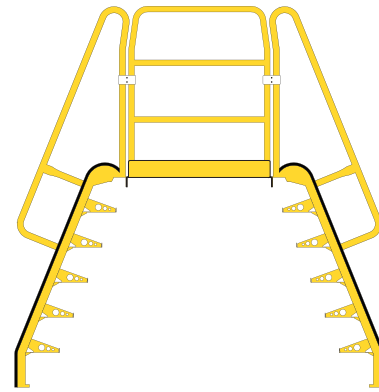
## ABOUT LAPEYRE STAIR

Lapeyre Stair is a division of Laitram, a forward-thinking company with an intense commitment to innovation, integrity, and continuous improvement. Laitram, headquartered in New Orleans, Louisiana, currently holds 1319 active patents.

⇐ Laitram founder, J.M. Lapeyre, with two of his early-model alternating tread stairs. J.M. established Lapeyre Stair following the issue of the patent for the alternating tread stair in 1981.

# Contents

- 4 How to choose the best stair for your application  
Standard stairs versus alternating tread stairs
- 5 Standard stair crossover systems  
The preferred choice when space is not an issue
- 6 Alternating tread stair crossover systems  
A range of space-saving options
- 8 Dimensions and list prices for crossover systems  
Pricing and specifications for standard options
- 10 Custom crossover systems and other products  
Cost-effective, custom solutions



STANDARD STAIR  
CROSSOVER SYSTEM



ALTERNATING TREAD STAIR  
CROSSOVER SYSTEMS

## Preferred supplier agreement

We offer a **preferred supplier agreement** for customers who have ongoing and/or large-scale needs. Benefits include:

- ✓ Discounted pricing
- ✓ On-site troubleshooting
- ✓ Design-build services
- ✓ Expedited lead times
- ✓ Field measurement assistance
- ✓ Product development input

# How to choose the best stair for your application

## MORE SPACE? CHOOSE STANDARD STAIRS

Choose standard stair crossover systems if your application does not have any space restrictions. They require more space to install than alternating tread stairs but they are also the most comfortable to use.

## LESS SPACE? CHOOSE ALTERNATING TREAD STAIRS

If space is limited in your application, choose alternating tread stairs. 68 degree alternating tread stairs require the least amount of space but the steeper angle is less comfortable to use. The less steep slope of 56 degree alternating tread stairs requires less space than standard stairs and is more comfortable to use than 68 degree alternating tread stairs.

## WHAT DOES OSHA SAY?

OSHA classifies alternating tread stairs (alternating tread devices) as non-standard stairs and states they are acceptable to use in applications where it is not feasible to use standard stairs. §1910.25(b)(8)

DIMENSIONS OF THE OBSTACLE YOU NEED TO CLEAR (HEIGHT X LENGTH)	ALTERNATING TREAD STAIRS		STANDARD STAIRS
	68°	56°	
	REQUIRES THE LEAST AMOUNT OF SPACE	MORE COMFORT IN LESS SPACE	MOST COMFORTABLE TO USE
	OVERALL LENGTH OF THE CROSSOVER SYSTEMS THAT MEET YOUR CLEARANCE REQUIREMENT		
42" X 24"	70"	90"	106"
42" X 48"	94"	114"	130"
48" X 24"	75"	98"	126"
48" X 48"	99"	122"	150"
54" X 24"	80"	106"	128"
54" X 48"	110"	136"	158"
60" X 24"	84"	113"	144"
60" X 48"	108"	137"	168"
66" X 24"	89"	122"	146"
66" X 48"	113"	146"	170"
72" X 24"	94"	130"	164"
72" X 48"	118"	154"	188"
78" X 24"	99"	138"	194"
84" X 36"	128"	170"	206"



Comparison is for illustrative purposes; dimensions are rounded to whole numbers. See page six for exact dimensions.



# Standard stair crossover systems



- ① Height
- ② Width
- ③ Length

Overall dimensions are based on the specified  
④ platform length/span and ⑤ stair height

Stair **SLOPE** is 45 degrees or less from the horizontal OSHA §1910.25(c)(1)

**STAIR RISERS** have a uniform height of no more than 9.5 inches and uniform depth of at least 9.5 inches OSHA §1910.25(b)(3), §1910.25(c)(2), §1910.25(c)(3)

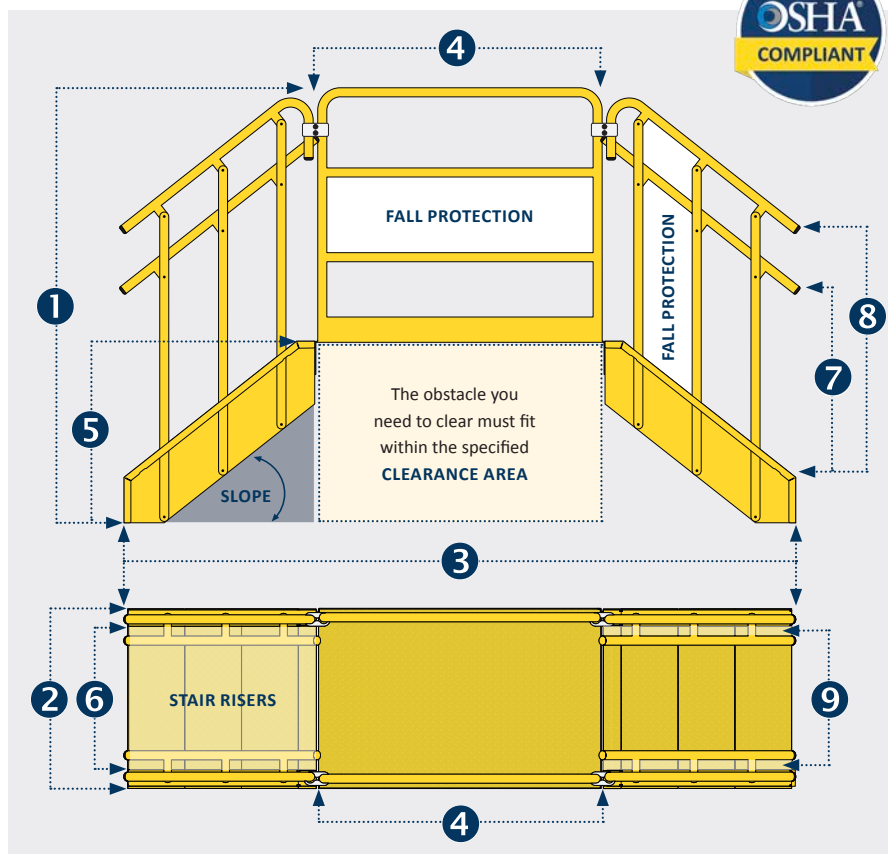
**FALL PROTECTION** system with less than 19 inches between horizontal mid-rails and vertical balusters OSHA 1910.29(b)(2)(i), §1910.29(b)(2)(iii), §1910.29(b)(2)(iv)

## STANDARD OPTIONS INCLUDE\*

- ✓ Carbon steel with safety yellow, iron gray, or gray primer powdercoat finish
- ✓ 36 inch wide treads with open risers ⑥
- ✓ 3/16 inch diamond tread plate platform
- ✓ 11-gauge diamond tread plate treads
- ✓ OSHA-compliant guardrail system constructed of 1½ inch round tubing:
  - ⑦ 34 inch high handrails OSHA §1910.29(f)(1)(i)
  - ⑧ 42 inch high guardrails OSHA §1910.29(f)(1)(ii)(B)
  - ⑨ 2¼ inch handrail clearance OSHA §1910.29(f)(2)
- ✓ 3 inch square tubes legs (when required)
- ✓ All assembly hardware

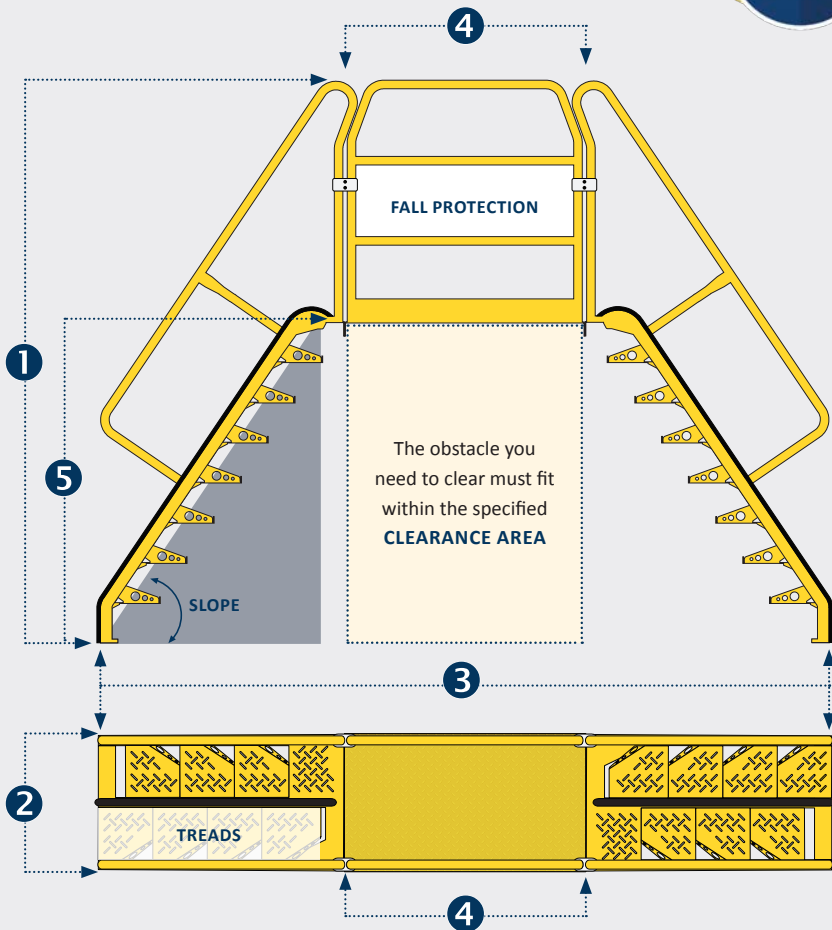
## MORE OPTIONS ARE AVAILABLE\*

- ✓ Carbon steel with custom powdercoat colors
- ✓ Carbon steel with hot-dip galvanized finish
- ✓ 24, 30, 36, and 48 inch wide treads
- ✓ Additional tread types
- ✓ Additional platform decking materials
- ✓ Additional stair heights and platform sizes
- ✓ Varying stair heights
- ✓ Additional guardrail system materials
- ✓ Additional platform configurations

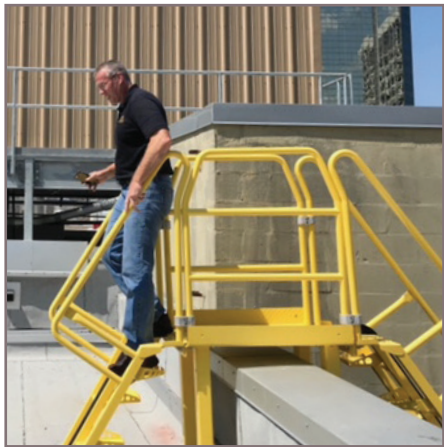
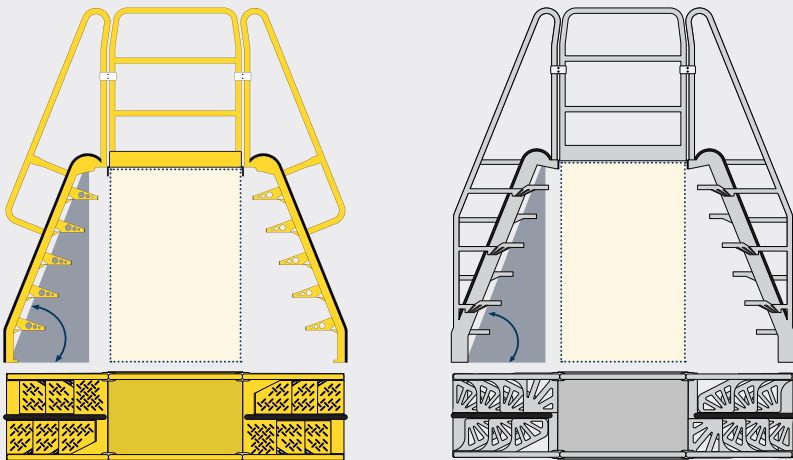


# Alternating tread stair crossover systems

56° Crossover Systems Available in steel



68° Crossover Systems Available in steel and aluminum



- 1 Height
- 2 Width
- 3 Length

Overall dimensions are based on the specified  
4 platform length/span  
and 5 stair height

Stair **SLOPE** is either 56 or 68 degrees from the horizontal OSHA §1910.25(f)

**TREADS** are at least 8½ inches deep with open risers and at least 7 inches wide at the leading edge OSHA §1910.25(f)(3), §1910.25(f)(4), §1910.25(f)(5)

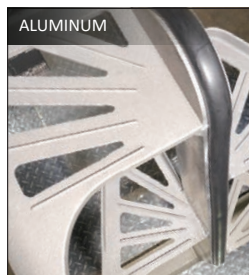
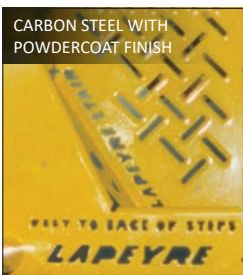
**FALL PROTECTION** system with less than 19 inches between horizontal mid-rails without projections OSHA §1910.29(b)(2)

#### STANDARD OPTIONS INCLUDE\*

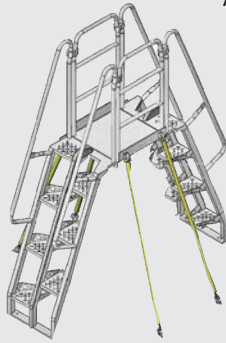
- ✓ 56 or 68 degree carbon steel alternating tread stairs with powdercoat finish in safety yellow, iron gray, or gray primer
- ✓ Diamond plate platform with 42 inch high guardrails constructed of 1½ inch round tubing OSHA §1910.29(f)(1)(ii)(B)
- ✓ Crossover bracing kit
- ✓ All assembly hardware

#### MORE OPTIONS ARE AVAILABLE\*

- ✓ Carbon steel with custom powdercoat colors
- ✓ Carbon steel with hot-dip galvanized finish
- ✓ 68 degree aluminum alternating tread stairs
- ✓ Grade 304 stainless steel
- ✓ Back pans for stairs
- ✓ Safety gates
- ✓ Additional stair heights and platform sizes
- ✓ Varying stair heights
- ✓ Additional platform decking options
- ✓ Additional platform configurations

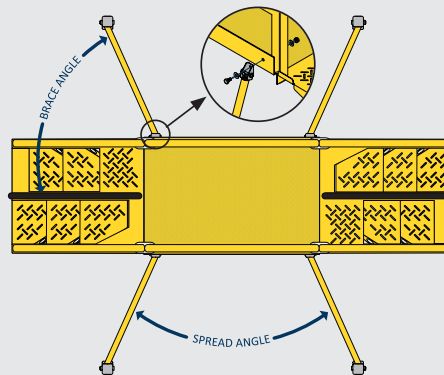


#### STANDARD CROSSOVER BRACING KIT



Alternating tread stair crossover systems must be braced to prevent swaying. List prices for these systems includes our standard crossover bracing kit. The kit includes stainless steel brackets and hardware for the upper and lower connections plus custom tubing in the same material and finish as your crossover system. *Subtract \$338.07 from the list price if you will provide your own bracing for the system.*

We will need the following information when you place an order to calculate bracing specifications:



- ✓ Dimensions of obstacles surrounding the system
- ✓ Optimal spread angle (0° to 20° for 56° stairs; 0° to 10° for 68° stairs)
- ✓ Optimal brace angle (20° to 30° from the vertical plane)

**Contact us if you need help determining the spread and brace angles for your system.**

#### OPTIONAL SAFETY GATES

Optional safety gates provide additional security at the top of alternating tread stairs. They attach to the platform rails with reversible hinges and provide a 180 degree gate swing.

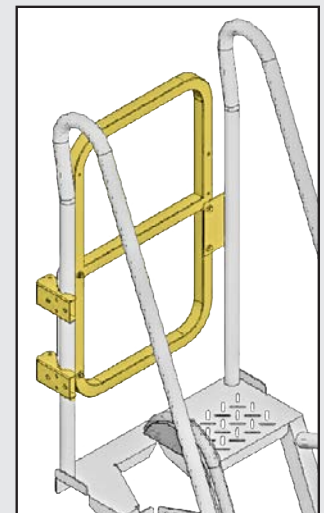
##### Carbon steel safety gates

Standard powdercoat colors  
Hot-dip galvanized finish

##### Stainless steel safety gates

Grade 304 with mill finish

*Prices are per safety gate. Custom powdercoat colors are also available.*



#### OPTIONAL BACKPANS



Minimize the risk of damage to workers and equipment beneath your crossover system with optional backpans for alternating tread stairs. Backpans bolt under the stairs to form a solid barrier behind the treads that spans the height of the stair and provides protection from falling objects.

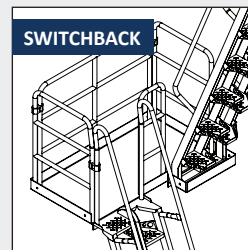
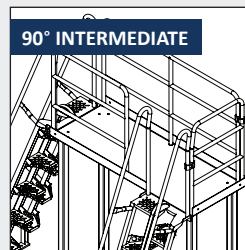
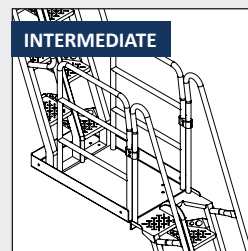
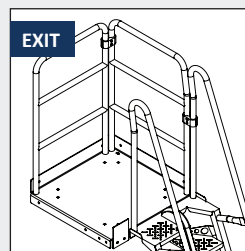
*Pricing for optional backpans is based on the height of the stairs.*

# Custom crossover systems

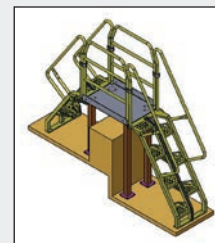
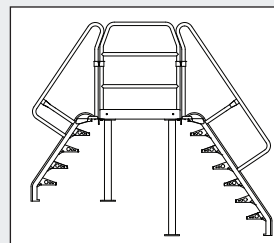
One-size does not fit all when it comes to providing safe access. Our expert team is can help you safely overcome virtually any obstacle.



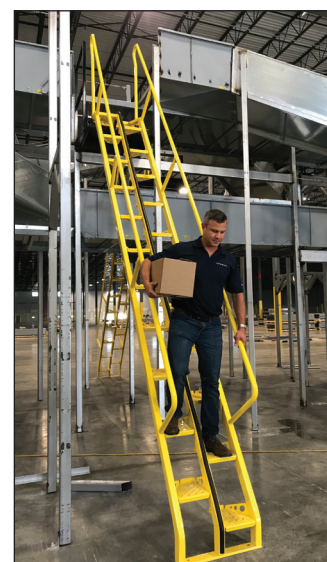
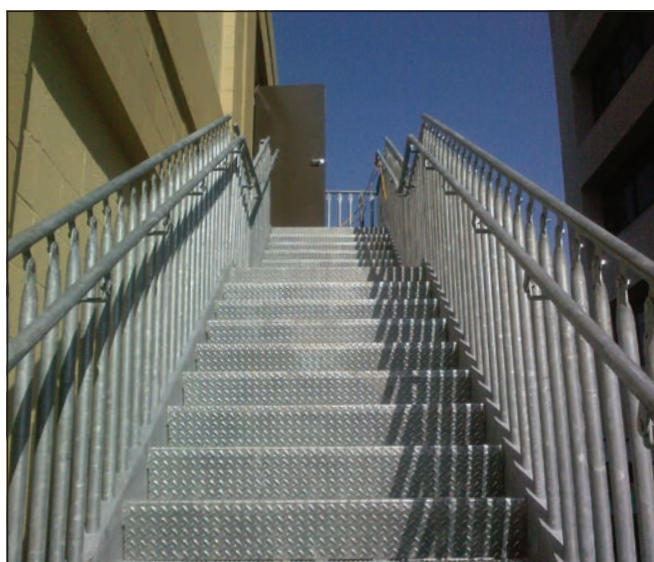
## Additional platform configurations



## Varying stair heights



## Additional OSHA-compliant solutions also available

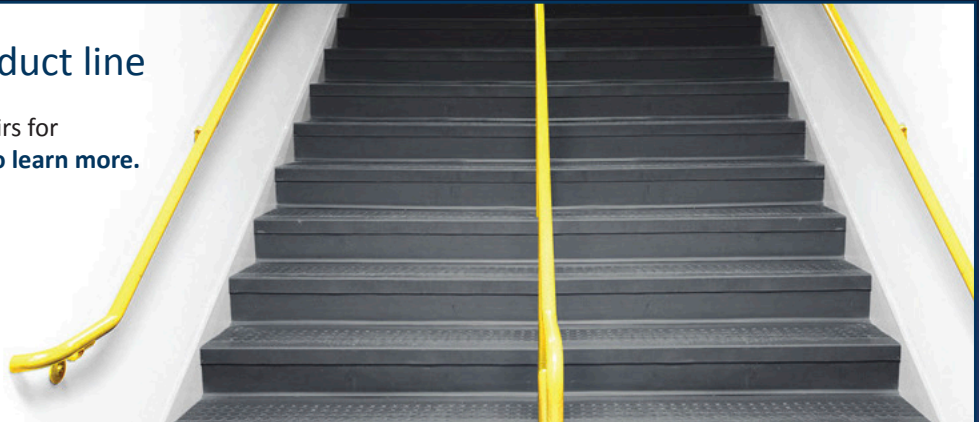


ALSO AVAILABLE

## Commercial product line

We also manufacture steel egress stairs for commercial applications. **Contact us to learn more.**

- ✓ Condos/apartments
- ✓ Office buildings
- ✓ Hospitals
- ✓ Hotels
- ✓ Parking garages
- ✓ Multi-level self storage facilities




**Ready to take the next step?**

Contact us or visit our website for more information.

**LAPEYRE**  **STAIR**

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