

Your complimentary

## Durability

Size

Materials
Time Effective

## Requirements

Types of staircases

Stairway
Calculator
Sample
Section
Vocabulary
Sources

## SIZE

Å A steel staircase can be ordered in any size.
$\AA$ This allows you to send the manufactures the dimensions of your space and have them build a stair that fits your specific needs.
$\AA$ Steel Stairs and Railings are prefabricated and preassembled in a factory.


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| Durability |  |
| Size <br> Materials | Integrating a steel staircase into your building allows you to introduce other materials into the mix. |
| Requirements | A Glass |
| Types of staircases |  |
| Stairway Calculator | A Mood |
| Sample Section |  |
| Vocabulary |  |
| Sources |  |




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Size
Materials
Time Effective
Requirements
Types of staircases

Stairway
Calculator
Sample
Section
Vocabulary
Sources

## REQUIREMENTS

$\AA$ ASTM is an organization that certifies a products quality for safety purposes in order to build.
$\AA$ Steel stairs use materials that have gone through ASTM standardization.

A Standards vary depending on city.

Å Steel stairs for public use in New York must be constructed from steel tubing that meets ASTM 501 standard. (minimum yield point of $33,000 \mathrm{psi}$ )

A Pipe for railings, pipe supports and handrails shall be seamless steel pipes which conform to ASTM 53, Type S.


## RWAY CALCULATOR

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Size
Materials
Time Effective

Requirements
Types of
staircases
Stairway
Calculator
Sample
Section
Vocabulary

By determining what the total rise and the length of your runs, this calculator can tell you the total number of steps, length of stringers and the slope of the staircase.

Example:

|  |  |
| :--- | :--- |
| Rise 109.00 | Number of risers: 15 |
| Run: 10.500 | Total run: 147 |
|  | Slope: 34.69 degrees |
|  | Stringer length: 178.77 inches |

http://www.goproconstruction.com/helper2.html


## AIRS VOCABULARY

Durability
Size

## Materials

Time Effective
Requirements
Types of
staircases
Stairway
Calculator
Sample Section
/ocabulary
Sources

Stair Tread: The tread is the part of the staircase that is stepped on. The tread "depth" is measured from the outer edge of the step to the vertical "riser" between steps. The "width" is measured from one side to the other. Stair Riser: The riser is the vertical portion between each tread on the stairs. This may be missing for an "open" stairs effect, subject to building regulations.
Staircase Stringer: The structural member that supports the treads and risers. There are typically two stringers, one on either side of the stairs, though the treads may be supported many other ways.
Staircase Winders: Winders are steps that are narrower on one side than the other. They are used to change the direction of the stairs without landings.

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 sources
## Size

Materials

Time Effective
Requirements
Types of
staircases

Stairway
Calculator
Sample
Section

Vocabulary
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