## FLORIDA <br> stairworks



Fort Myers, FL 33967
www.floridastair.com
(239) 489-1177

## ?

7800 Drew Circle \#15
Fort Myers, FL 33967
Phone: 239.489.1177
www.floridastair.com

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## Table of Contents

Section
Page
Overview
1.1

Portfolio
2.1

Handrail Profiles
3.1

Wall Rails
Post and Trim Options
Wood Post Profiles
Wood Baluster Profiles
7.1

Metal Options
Metal Baluster \& Newel Profiles
8.1

Metal Baluster Panels
Sample Elevations
Specifications \& Drawings

SMA Stair Building Code


## FSW Mission

When you purchase an FSW product, you can be assured no detail will be overlooked. Our designers, fabricators, and installers work together in a team approach to stairs. The diverse backgrounds of all our team members added together, offer decades of stair expertise and bring to the table methods and ideas from all over the country.

Florida Stairworks takes pride in the service and the quality we provide. Bring us your stair challenges and we will help you solve them. Our confidence in the products we manufacture shows in the quality of the end product.

We believe in the tried and true principles of honoring our commitments and combining them with the latest technologies. This allows us to be the best we can be.
We are committed to being there for you when you need us.


## FSW Products and Services

## Pre-construction Services:

- Pre-Bid Allowances and Budgets
- Showroom Appointments and Shop Tours
- Code Consulting
- Formal Bids/Proposals
- Stair Design and Layout
- High Quality Rendered Concept Drawings
- Detailed Shop Drawings



## Rough Framing Services:

- Concrete Stair Layout/Plans/Forms
- Temporary Stairs
- LVL and Pre-Fabricated Sub-Stairs
- Temporary Safety Railings
- Cladding of Concrete Stairs


## Finished Stair Products:

- Full Mill-Made Stair Packages
- Full Service Millwork Including Custom Turnings
- Pre-Fabricated Stairs and Circular Stairs
- Cladding of Rough Stairs
- Railing Systems
- Stair and Railing Restoration
- Spiral Stairs, Interior and Exterior
- Baluster Replacement
- Custom Stain and Finishing
- Historic Reproductions



## Variety of Materials:

- Domestic Hardwoods
- Exotic Species
- Steel Stringers
- Aluminum
- Stainless Steel Cable Systems
- Glass Railings
- Reclaimed Materials
- Welded and Hand Forged Railings
- Stair and Rail Lighting

We offer installation services for all our products, or we can ship them to your location for installation by others

Your choices are not limited to these designs. Florida Stairworks can match existing profiles, pictures, or we can design a custom profile.

## Types of Radius Stairs

## Circular Stairs

are composed of hardwood laminated and bent stringers, solid treads, and bent railings. Curved elements of a circular stair can also be milled on our CNC machines depending on application. Circular railings are available in post-to-post or post-over-post construction with handrails, balustrades and newel posts in an array of styles and materials. Choose from freestanding or wall-under construction.


## Spiral Stairs

are built with a 30 degree pie shaped tread, and typically a center pole, but could be double helical. Openings shall be $6 "$ larger than the diameter of the spiral and can be made with or without an outside stringer. Interior and exterior.

## Elliptical Stairs

are one of the most complex stair constructions in the custom stair industry. Our elliptical stairs are made with the same high quality as our circular stairs. A distinguished design, elliptical stairs are most impressive in a multi-story structure.


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## Anatomy of a Staircase



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## Anatomy of a Staircase

## PTP Handrail

Post to Post Railing is a railing system where the handrail terminates at the newel posts

Newel Post

A square wooden newel is often called a box newel

## Square Top Wooden Baluster

A wooden baluster with square top and bottom blocks

Pin Top Wooden Baluster
A wooden baluster with a round top and a square bottom block

## Skirt Board

A trim board applied to the outside of stair framing

## Stringer Molding

## Return End Tread

A tread installed past the skirt board or stringer. The ends of the tread is visible and usually have a return nosing. Also called an open tread.

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WMGC-489



WMGC-548


WC-559


WMGC-264


WMGC-418


WC-323


WMC-423


WC-524


WGC-400


WGC-375


WMC-515


FLORIDA staumbrks




METAL MONO 1


WGC-SS-29


WMGC-377


WC-324


WMGC-29


EXT-CR-1


WMC-FL-7


WMC-416


WMC-538


WC-503


WMC-77


WMF-54


WMC-497


WMC-527


WMC-113


WMC-136


WMC-125


WMC-141

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WMC-328


WMC-100


WMGC-30


WC-005


WC-006


WC-005


WC-1 1


TRA-19


HISTORICAL RESTORATION


EXTS-6 10


EXTS-514



FLORIDA STAIRWORKS SHOWROOM


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## Wall Railings

while most handrail profiles meet size requirements for wall railings, the profiles below work best


\#704 MEDIUM DUTY

\#601/611 HEAVY DUTY


ROUND STAINLESS STEEL


SQUARE STAINLESS STEEL

WALL RAIL SUPPORTS ARE STOCKED IN SEVERAL FINISHES:
\# 704: OIL RUBBED BRONZE (ABO), BLACK SMOOTH MATTE FINISH (BLM), DULL CHROME (DC) AND NICKEL (N)
\# 601/611: OIL RUBBED BRONZE (ABO), BLACK SMOOTH MATTE FINISH (BLM), DULL CHROME (DC), NICKEL OXIDIZED (NO) AND NICKEL (N)
SPECIALTY RAIL BRACKETS ARE AVAILABLE IN WIRE BRUSHED OR POLISHED STAINLESS STEEL, INTERIOR OR EXTERIOR GRADE FOR WALL, POST, OR GLASS MOUNTED RAILS

MOST SUPPORTS CAN ALSO BE POWDER COATED OR PAINTED CUSTOM COLORS

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## Historical Restoration

below are several examples of newel posts recreated for Historical Restoration projects


## Stair Trim Options

standard tread and stringer trims


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## PTP Finial Options

shown below are finial options for PTP turned posts

ACORN
(A)

(BT)


PADE
$(\mathrm{S})$


Milling for Turned Balusters and Posts


## Wall Rosettes

used at handrail terminations at a wall


## Turned Posts

are organized by collection with milling and finial options listed after their name. See page 5.1 for details on milling styles.
Balusters that compliment these posts can be found on page 7.1
Available in many wood species or paint grade.


SIERRA
(P)



CAROLINA
(P, F, TW, OCT)

* P ONLY

SW-CH-4810 3-1/2" OTP

1800's
(P, RE, OCT)

* P ONLY



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## PTP Box Newels

shown with standard panels and milling. Most newels can be customized upon request.
Most are available with or without bottom sleeve, square or bevel top, and in many wood species or paint grade.


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## Turned Balusters

are organized by collection with milling options after their name. See page 5.1 for details on milling styles. Posts that compliment these balusters can be found on page 6.1. Balusters are available in many wood species or paint grade.


OTHER WOODEN BALUSTERS ON DISPLAY IN FSW SHOWROOM
SEE SALES PERSON FOR MILLING OPTIONS
Your choices are not limited to these designs. Florida Stairworks can match existing profiles, pictures, or we can design a custom profile.

Metal Types


Metal Baluster and Newel Shoe Styles


Metal Baluster and Newel Finishes


NOT ALL BALUSTERS ARE AVAILABLE IN ALL FINISHES.
SEE FSW SALES PERSON FOR DETAILS.

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## Metal Balusters \& Newels

are organized by collection, with metal type at left, and finishes below. Balusters in each collections can be combined for limitless patterns. See page 8.1 for stock finishes, metal types and shoe options.








 FSWP 0.4.3 1" S BALUSTER

$\underset{(\mathrm{STB}, \mathrm{SV}, \mathrm{CV}, \mathrm{AG}, \mathrm{GD})}{\text { AALTO SQUARE SMOOTH }}$


WENTWORTH SRH (STB, ORB, SC)

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FSW-HF-1.1.14 1" SHH NEWEL

## FS



$$
\text { FSW-HF-2.9.29 } \frac{9}{16}{ }^{\prime \prime} \text { SHH BALUSTER }
$$



TUSCAN SHH
(STB, CV, ORB, SC, VB)

## Metal Balusters \& Newels

are organized by collection, with metal type at left, and finishes below. Balusters in each collections can be combined for limitless patterns. See page 8.1 for stock finishes, metal types and shoe options.

Hammering not shown for clarity of design.



(STB, CV, ORB, AG, GD)


TWIST S
(STB, SV, CV, ORB, ORC, AN, AG)

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## Metal Baluster Panels

are highly versatile and can be combined with other metal balusters to be a subtle accent, or a bold pattern. Baluster panels can be used on pitch, level and curved applications. All are stocked in satin black, but can be custom faux painted or powder coated any color. Pattern examples can be found on page 11.3.


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11.1



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## Part 1. GENERAL

### 1.1 SECTION INCLUDES

A. Custom fabricated stairs, posts, balusters, rails, related hardware, and trim.

### 1.2 RELATED SECTION

A. Rough carpentry and areas within finished walls and above finished ceiling.
B. Finish carpentry and wood trim.

### 1.3 SUBMITTALS

A. Submit two copies of shop drawings, one copy to be returned to Florida Stairworks with review notifications and approval signatures, prior to start of work under this section.
B. Indication of materials, profiles, project specific assembly methods, accessories, hardware and local/regional code compliance.

### 1.4 QUALIFICATIONS

A. Contractors/Installers and their personnel performing the work in this section shall be able to demonstrate successful experience with work of comparable complexity and quality to that shown and specified.

### 1.5 PRE-INSTALLATION SITE INSPECTION

A. A representative of Florida Stairworks \& Carpentry LLC, or approved liaison shall visit the site where work under this section is to be performed prior to fabrication and shall record all field conditions and measurements required to perform the work covered under this section.

### 1.6 DELIVERY, STORAGE AND HANDLING.

A. Protect delivered materials from moisture damage according to AWI Quality Standards, Section 1700, Installation.

### 1.7 FIELD MEASUREMENTS AND COORDINATION

A. A representative of Florida Stairworks \& Carpentry LLC, or approved liaison shall verify that field measurements are as indicated on shop drawings.
B. A representative of Florida Stairworks \& Carpentry LLC, or approved liaison shall confirm that any templates or patterns supplied by Florida Stairworks \& Carpentry LLC, used for site preparation where work under this section is to be performed accurately reflects the intent of the work.
C. Florida Stairworks \& Carpentry LLC, is to be notified of any discrepancies found in field conditions or shop drawings prior to commencement of fabrication.
D. Work is to be coordinated with all trades.

## Part 2. PRODUCTS

### 2.1 MANUFACTURERS

A. Acceptable manufactures - Florida Stairworks \& Carpentry LLC. or approved equal.

### 2.2 FABRICATION

A. Fabrication shall comply with Florida Stairworks \& Carpentry LLC. quality standards for custom fabricated stairs, posts, balusters, rails, related hardware, and trim.
B. When necessary to cut and fit on site, provide materials with ample allowance for cutting, scribing, and side cutting.

## Part 3. EXECUTION

### 3.1 SITE EXAMINATION

A. A representative of Florida Stairworks and Carpentry LLC. or approved liaison shall verify that adequate backing and support framing exists to receive this work.
B. A representative of Florida Stairworks and Carpentry LLC. or approved liaison shall verify that on site mechanical, electrical, and building items affecting work of this section do not interfere with the installation of the work covered under this section.

### 3.2 INSTALLATION

A. Set and secure materials and components in place, plumb and level.
B. Scribe work abutting other finished components, with maximum gaps of 1/16"
C. Do not use additional overlay trim to conceal larger gaps.
D. Install all hardware in accordance with manufacturers instructions.
E. Countersink anchoring devices at exposed locations. conceal with solid wood plugs of a species to match surrounding wood and sand flush with surrounding surfaces.

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2 1/4" CEMENT COATED


HEADER DETAIL
(CARPETED FLOOR LOCATIONS)


HEADER DETAIL (HARDWOOD FLOOR LOCATIONS)

$\bigcirc$ FLOORSTRIP DETAIL


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## 12.5

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