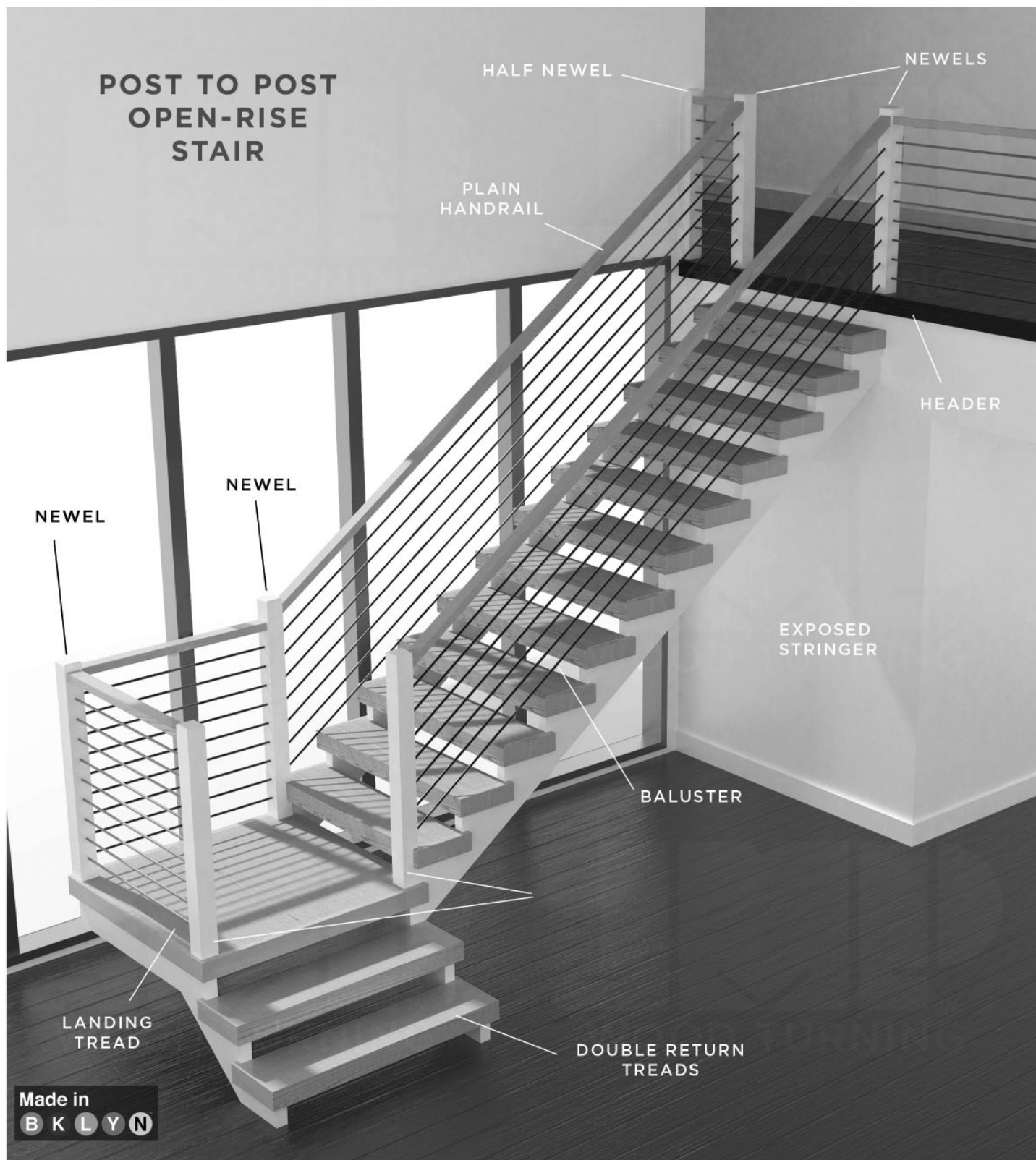


# STAIR MEASURING GUIDE:

## POST TO POST HANDRAIL SYSTEM

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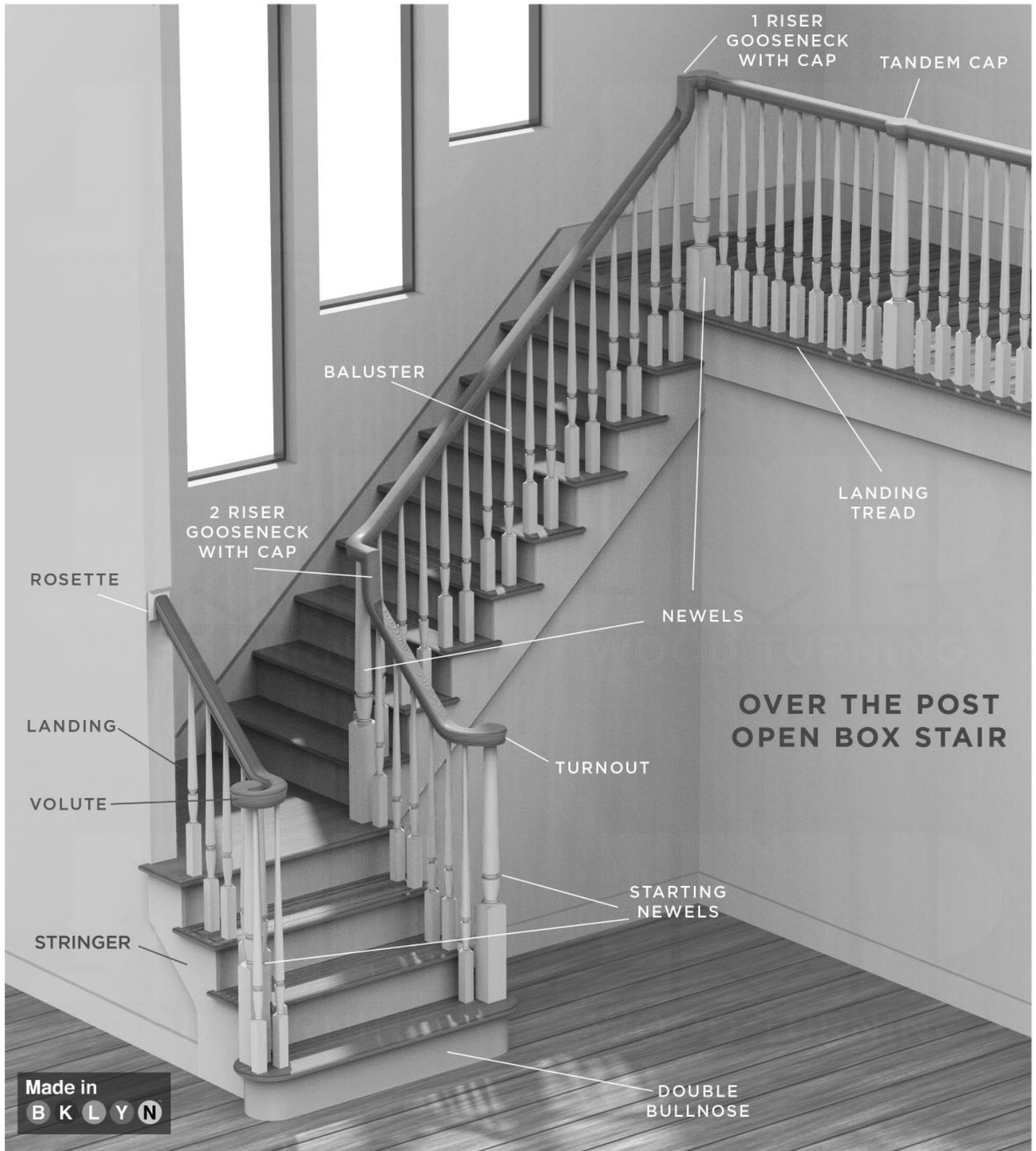
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**POST TO POST**

# STAIR MEASURING GUIDE: OVER THE POST HANDRAIL SYSTEM

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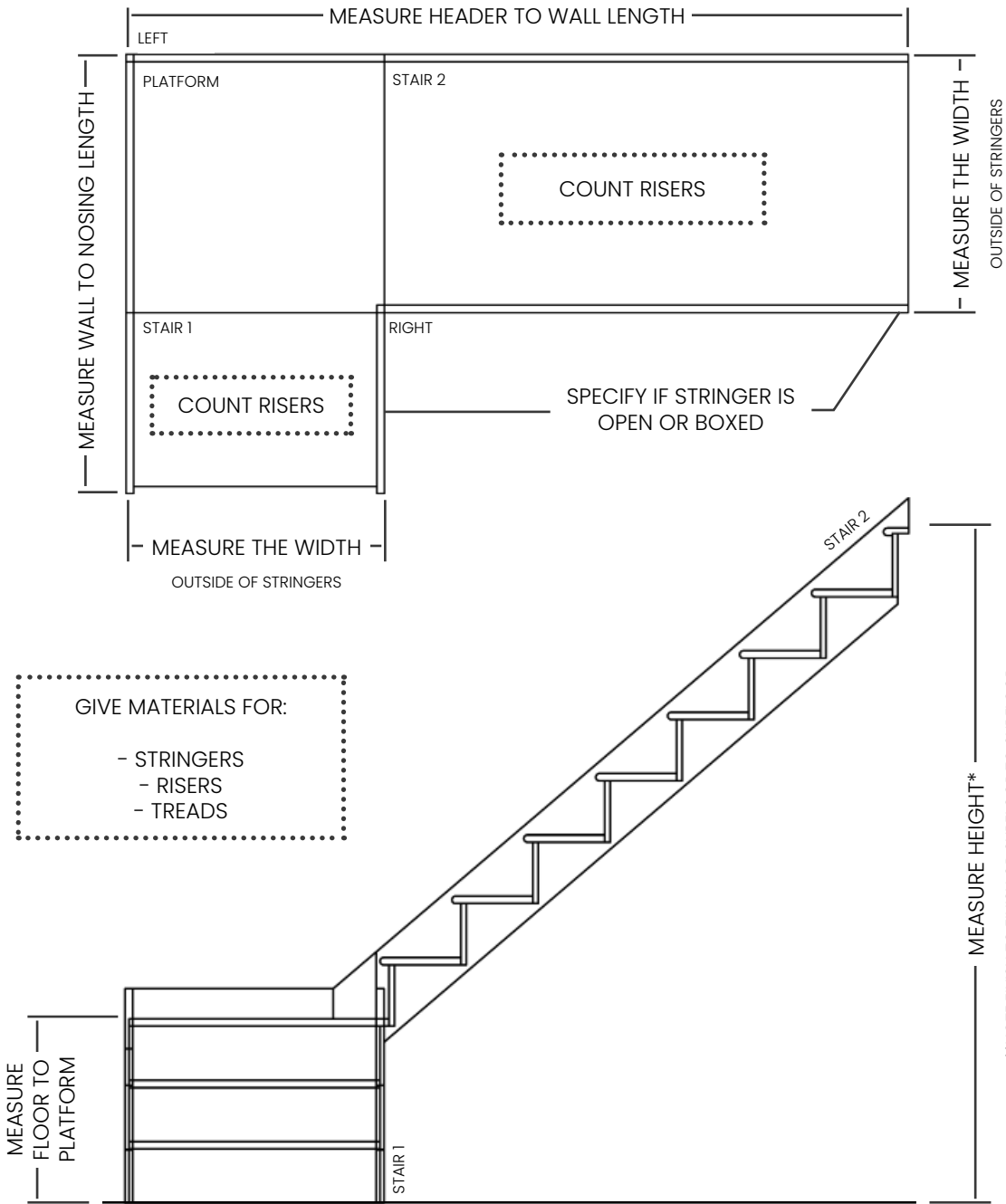
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**OVER THE POST**

# STAIR MEASURING GUIDE: RIGHT PLATFORM STAIR STRINGERS

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DATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

COMPANY: \_\_\_\_\_

## STAIR DIMENSIONS (INCHES)

STAIR 1:  
 LEFT STRINGER: OPEN / BOXED  
 RIGHT STRINGER: OPEN / BOXED  
 STRINGER TO STRINGER WIDTH: \_\_\_\_\_

STAIR 2:  
 LEFT STRINGER: OPEN / BOXED  
 RIGHT STRINGER: OPEN / BOXED  
 STRINGER TO STRINGER WIDTH: \_\_\_\_\_

STRINGER THICKNESS: \_\_\_\_\_  
 FLOOR TO PLATFORM: \_\_\_\_\_  
 TOTAL STAIR HEIGHT: \_\_\_\_\_  
 FINISH TO FINISH / SUB TO SUB  
 HEADER TO WALL LENGTH: \_\_\_\_\_  
 WALL TO NOSING LENGTH: \_\_\_\_\_  
 TOTAL RISER COUNT: \_\_\_\_\_

## MATERIALS

	RED OAK	WHITE OAK	MAPLE	POPLAR	OTHER
TREADS					
RISERS					
STRINGERS					

## ADDITIONAL NOTES:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# STAIR MEASURING GUIDE: RISE/RUN, RAIL SYSTEM

**STAIR # 1**

CHOOSE HANDRAIL PROFILE

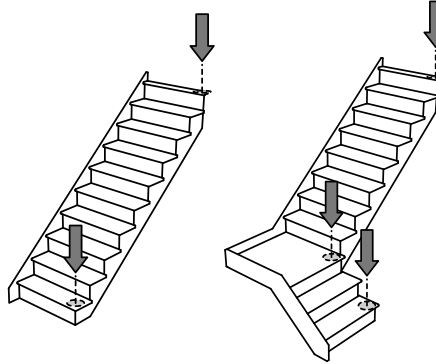
MEASURE LENGTH OF BALUSTERS + 1-1/2"

MEASURE TREAD, SUBTRACT NOSING

MEASURE RISE

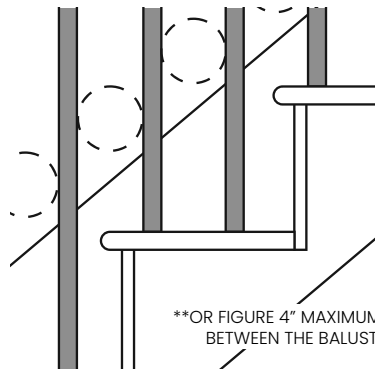
CHOOSE DESIGN AND MATERIALS

CHOOSE A DESIGN FOR YOUR POSTS AND GIVE A MATERIAL AND QUANTITY.\*



\*\*POSTS TYPICALLY GO AT THE START AND END OF EVERY STAIR

COUNT BALUSTERS PER TREAD\*



\*\*OR FIGURE 4" MAXIMUM SPACE BETWEEN THE BALUSTERS



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## STAIR DIMENSIONS (INCHES)

TREAD MINUS NOSING: \_\_\_\_\_

RISER HEIGHT: \_\_\_\_\_

### HANDRAIL

PROFILE: \_\_\_\_\_

MATERIAL: RED OAK / WHITE OAK / MAPEL / SAPELE / POPLAR

TOTAL LINEAL FEET: \_\_\_\_\_

POST TO POST

OR

OVER THE POST

UNSURE? REFERENCE STAIR TERMINOLOGY PAGE

### FITTINGS

PART #	QTY

FOR CUSTOM FITTINGS PLEASE EMAIL YOUR DESIGN INFORMATION TO [INFO@JMPWOOD.COM](mailto:info@jmpwood.com)

### BALUSTERS (WOOD)

STYLE #: \_\_\_\_\_

WIDTH:      LENGTH AND QTY:

31": \_\_\_\_\_ PIECES  
1-1/4" 34": \_\_\_\_\_ PIECES  
OR 36": \_\_\_\_\_ PIECES  
1-3/4" 39": \_\_\_\_\_ PIECES  
42": \_\_\_\_\_ PIECES

MATERIAL: RED OAK / WHITE OAK / MAPEL / SAPELE / POPLAR

OTHER: \_\_\_\_\_

### BALUSTERS (METAL)

STYLE #: \_\_\_\_\_

QTY: \_\_\_\_\_

STYLE #: \_\_\_\_\_

QTY: \_\_\_\_\_

STYLE #: \_\_\_\_\_

QTY: \_\_\_\_\_

FINISH: SATIN BLACK / ASH GREY / SILVER VEIN / RUBBED COPPER / RUBBED BRONZE

### POSTS

STYLE #: \_\_\_\_\_

LENGTH AND QTY:

3" 48": \_\_\_\_\_ PIECES  
OR  
3-1/4" 54": \_\_\_\_\_ PIECES  
OR  
3-1/2" 60": \_\_\_\_\_ PIECES

MATERIAL: RED OAK / WHITE OAK / MAPEL / SAPELE / POPLAR

OTHER: \_\_\_\_\_

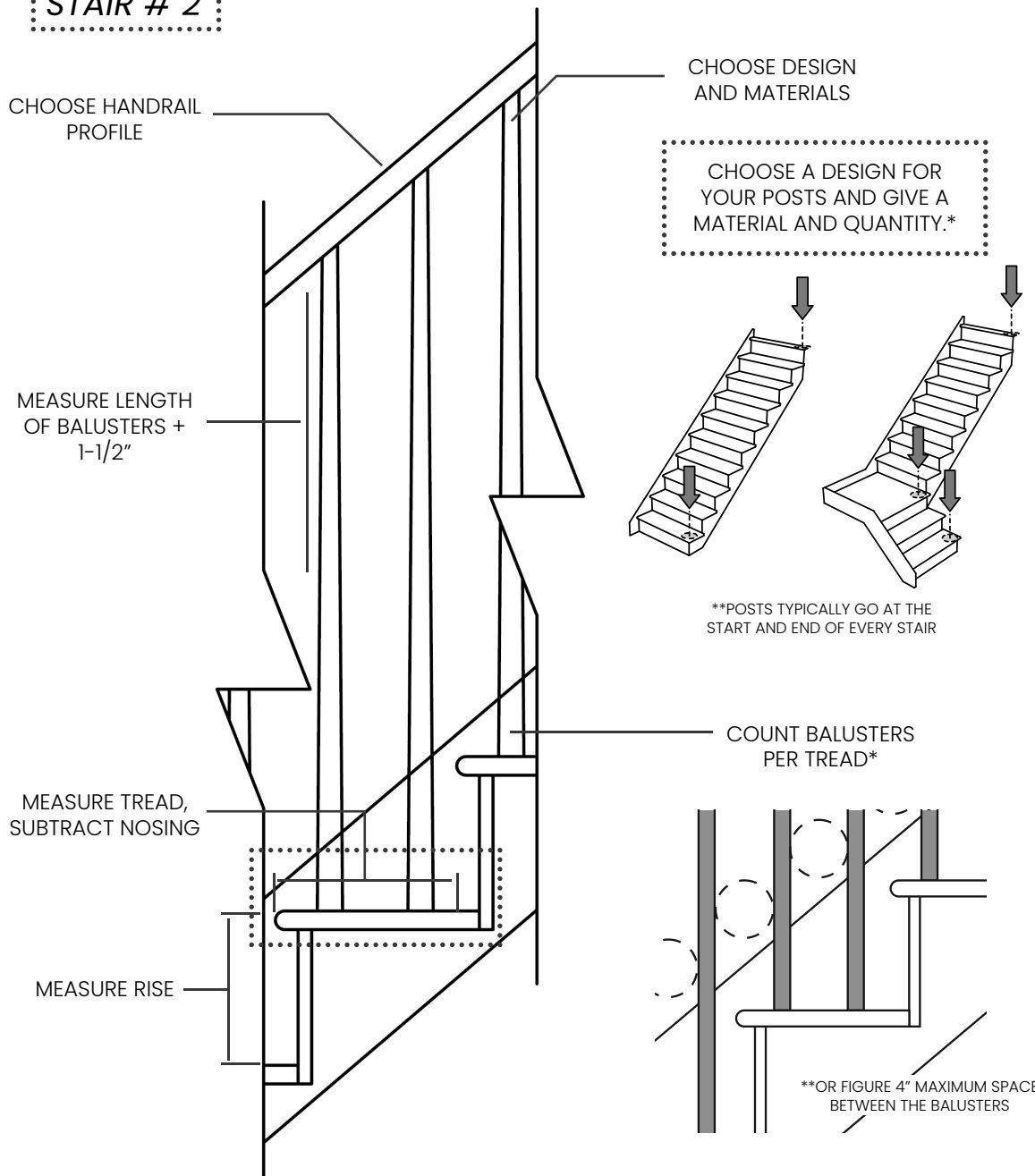
### ADDITIONAL NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*\*SOME OPTIONS NOT AVAILABLE FOR SELECT DESIGNS; REFERENCE OUR CATALOG

# STAIR MEASURING GUIDE: RISE/RUN, RAIL SYSTEM

**STAIR # 2**



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STAIR DIMENSIONS (INCHES)

TREAD MINUS NOSING: \_\_\_\_\_

RISER HEIGHT: \_\_\_\_\_

HANDRAIL

PROFILE: \_\_\_\_\_

MATERIAL: RED OAK / WHITE OAK / MAPEL / SAPELE / POPLAR

TOTAL LINEAL FEET: \_\_\_\_\_

POST TO POST  
OR

OVER THE POST

UNSURE? REFERENCE STAIR TERMINOLOGY PAGE

FITTINGS

<u>PART #</u>	<u>QTY</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

FOR CUSTOM FITTINGS PLEASE EMAIL YOUR DESIGN INFORMATION TO [INFO@JMPWOOD.COM](mailto:INFO@JMPWOOD.COM)

BALUSTERS (WOOD)

STYLE #: \_\_\_\_\_

WIDTH:      LENGTH AND QTY:

31": \_\_\_\_\_ PIECES

1-1/4" 34": \_\_\_\_\_ PIECES

OR 36": \_\_\_\_\_ PIECES

1-3/4" 39": \_\_\_\_\_ PIECES

42": \_\_\_\_\_ PIECES

MATERIAL: RED OAK / WHITE OAK / MAPEL / SAPELE / POPLAR

OTHER: \_\_\_\_\_

BALUSTERS (METAL)

STYLE #: \_\_\_\_\_

QTY: \_\_\_\_\_

---

STYLE #: \_\_\_\_\_

QTY: \_\_\_\_\_

---

STYLE #: \_\_\_\_\_

QTY: \_\_\_\_\_

FINISH: SATIN BLACK / ASH GREY / SILVER VEIN / RUBBED COPPER / RUBBED BRONZE

POSTS

STYLE #: \_\_\_\_\_

LENGTH AND QTY:

3" 48": \_\_\_\_\_ PIECES

OR

3-1/4" 54": \_\_\_\_\_ PIECES

OR

3-1/2" 60": \_\_\_\_\_ PIECES

MATERIAL: RED OAK / WHITE OAK / MAPEL / SAPELE / POPLAR

OTHER: \_\_\_\_\_

ADDITIONAL NOTES:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*\*SOME OPTIONS NOT AVAILABLE FOR SELECT DESIGNS; REFERENCE OUR CATALOG

# STRAIGHT STAIR MEASURING GUIDE: STRINGERS



**BALUSTER** A vertical piece, plain or decorative, that is used between railing and tread or floor. It adds support, safety and stability to the balustrade. (Also known as Spindle, or Picket.)

**BALUSTRADE** A term which refers the system of balusters and hand rail on a particular stairway.

**BOX NEWEL** A large square hollow newel, used in post to post balustrades.

**BOX STAIR** A stair where the stringers (see Stringer) house the treads (see Tread) and risers (see Riser), forming a box-like system.

**BRACKET** A scroll shaped ornamental portion of support usually attached at the angle between a riser and its tread.

**CAP** A round over-the-post handrail fitting, which is installed over a newel post for continuous or smooth handrail.

**COVE MOULDING** A decorative mould that is curved inward; used to finish off the joint formed when the face of the riser meets the lower face of the tread.

**BULLNOSE STEP** A rounded step at the bottom of the balustrade; usually accommodates the volute.

**EASING** A class of handrail components; often a curved, connecting piece used to change the angle of the handrail, i.e. when the handrail leads to a landing or makes a turn. (Sometimes called easement)

**FLARED STAIR** A stair that curves out at the start.

**FILLET** A thin, finishing moulding that is fitted into plowed hand rail and shoe rail between the balusters.

**FINISHED FLOOR TO FINISHED FLOOR HEIGHT** The total rise of the stair, the height of a spiral staircase.

**FREESTANDING STAIR** A stairway that is not supported by walls.

**GOOSENECK** A rail fitting that permits a change in direction, used where rake rail rises vertically to a balcony or landing.

**GRADIENT OF STAIR** The ratio between the stairs' horizontal and vertical distance.

**HALF-NEWEL** A newel post that is typically cut vertically and mounted against the wall, used mainly for aesthetic purposes.

**HANDRAIL** The railing used as hand support in complete stair systems.

**HEADER** A floor framing piece that the top riser of the stair is secured to.

**LANDING/PLATFORM** A large horizontal platform between the flights of stairs. Landings allow for directional changes in stairs.

**LANDING TREAD** A part used at the top of a staircase or beginning of a balcony that allows for transition into the landing.

**NEWEL** Also called a central pole, it is the major supporting pillar of a balustrade system, typically located at the bottom and top of a stairway, or at a turn in a handrail. Although its primary purpose is structural, newels have been adorned with decorative trim and varying designs. (May also be called a Post.)

**NOSING** (Also referred to as Bull-nose) The rounded front or outside edge of the tread. (see Tread.)

# STRAIGHT STAIR MEASURING GUIDE: STRINGERS



**OPEN STAIR** (Also called Open-flight) A staircase style in which the treads are exhibited from the side; with or without a wall on one or both sides of the treads.

**OVER-THE-POST** A balustrade system which uses rail fittings on top of newel posts to constitute a continuous hand rail.

**PITCH/RAKE** The angle of the staircase as determined by the vertical and horizontal distance.

**PLOW** A handrail that has its bottom grooved out for the ability to receive a square topped baluster.

**PLUG** A circular piece that covers a hole that has been drilled to attach fastening hardware.

**POST-TO-POST** A style where the handrail is cut to attach to the sides of newel posts.

**RAIL** The hand support in a stair system.

**RAIL BOLT** A two ended, threaded steel stud with nut, washer and wood plug. A concealed fastener used to attach hand rail to fittings and newels.

**RAIL FITTING** Fittings are assembled parts that match particular hand rail patterns. They allow for directional and vertical changes with the hand rail in over-the-post balustrades. Some fittings may also be used in post-to-post balustrades.

**RAKE RAIL** Hand rail used on the ascending section of a balustrade. It follows the pitch of the stair.

**RAIL SYSTEM** The upper part of a staircase system, which includes the balusters, hand rails and newels. It does not include the lower portion of the system, i.e. risers, treads and other related pieces.

**RETURN NOSING** A rounded molding material used to cover the exposed edge of a tread to make the system more aesthetically pleasing.

**RISE** The vertical distance between two consecutive treads.

**RISER** The vertical plane of a stair that faces each step between stringers and tread.

**RUN** The horizontal distance between two consecutive risers.

**SHOE RAIL** A plowed mold designed to receive a square-bottomed balusters; it is often used at the base of a starter step.

**SOFFIT** The underside of a staircase.

**SPIRAL STAIRCASE** A type of stair system that is circular. (Also called Helical Stairs.)

**STARTER STEP** The first step of a stair system. It tends to be ornate and is typically wider than any of the other steps.

**STRINGER** The structural component that supports the treads and risers. There are two stringers on a staircase typically, one on either side of the stairs.

**TAPERED STEP** A step on a winding/curved staircase.

**TREADS** This is the portion of the step on which you place your feet.

**U-SHAPED STAIR** A stair system that changes direction 180 degrees and consists of at least two flights.

**WALK LINE** An imaginary line that anticipates the path of people who will be ascending the staircase.

**WALL RAIL** A handrail fastened directly to a wall.

**WINDER** A special kind of tread for a turning staircase. The inside run of this particular stair is much narrower, while the outside run is much wider.