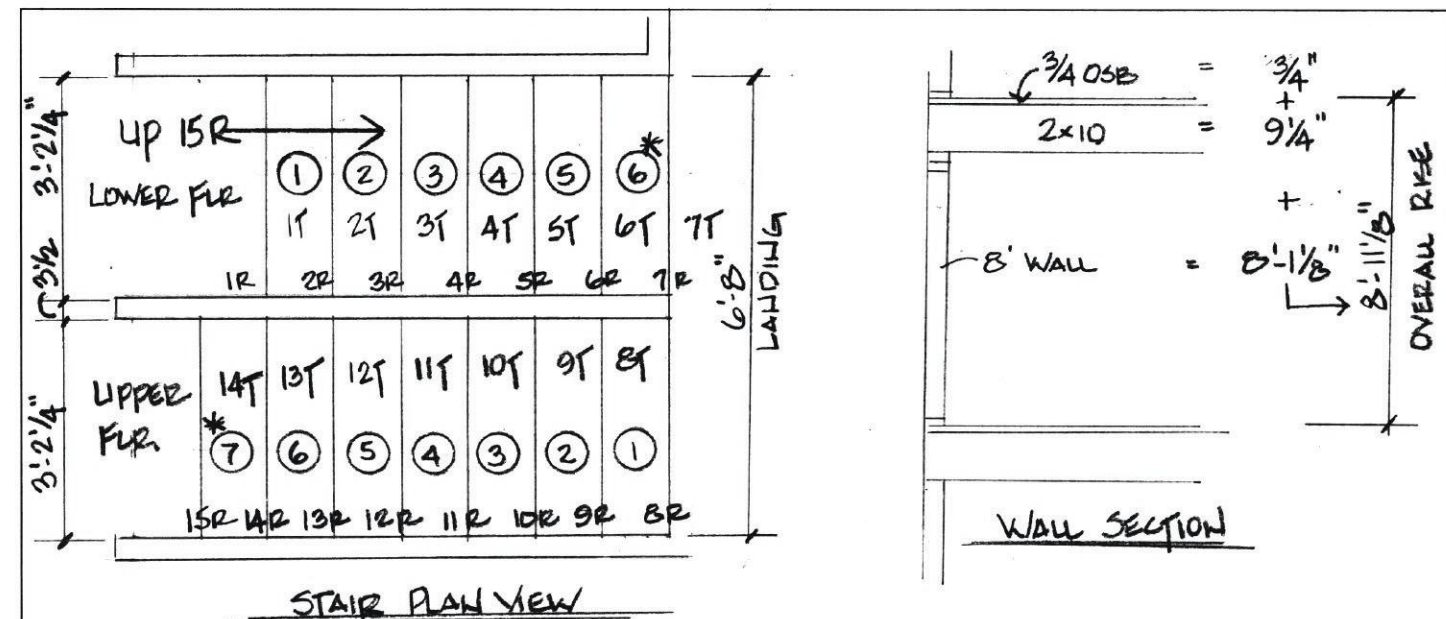


STAIR KEY: STAIR W/LANDING RISER/LANDING CALCULATION

This illustration relates to the floor plan and wall section. It indicates how to determine a riser height and also how to arrive at a landing height. The location of your landing height is crucial to a successful stair installation.



RISER CALCULATION

8' 11 1/8" = 107 1/8" = 107.125
107.125 / 15 = 7.1417" = ACTUAL RISER HT
DROP THE 7 AND MULTIPLY
• 1417 x 16 = 2.267 16 THS
2.267 < 2.5 SO 3/16" OR 1/8"
RISER HEIGHT IS 7 1/8"

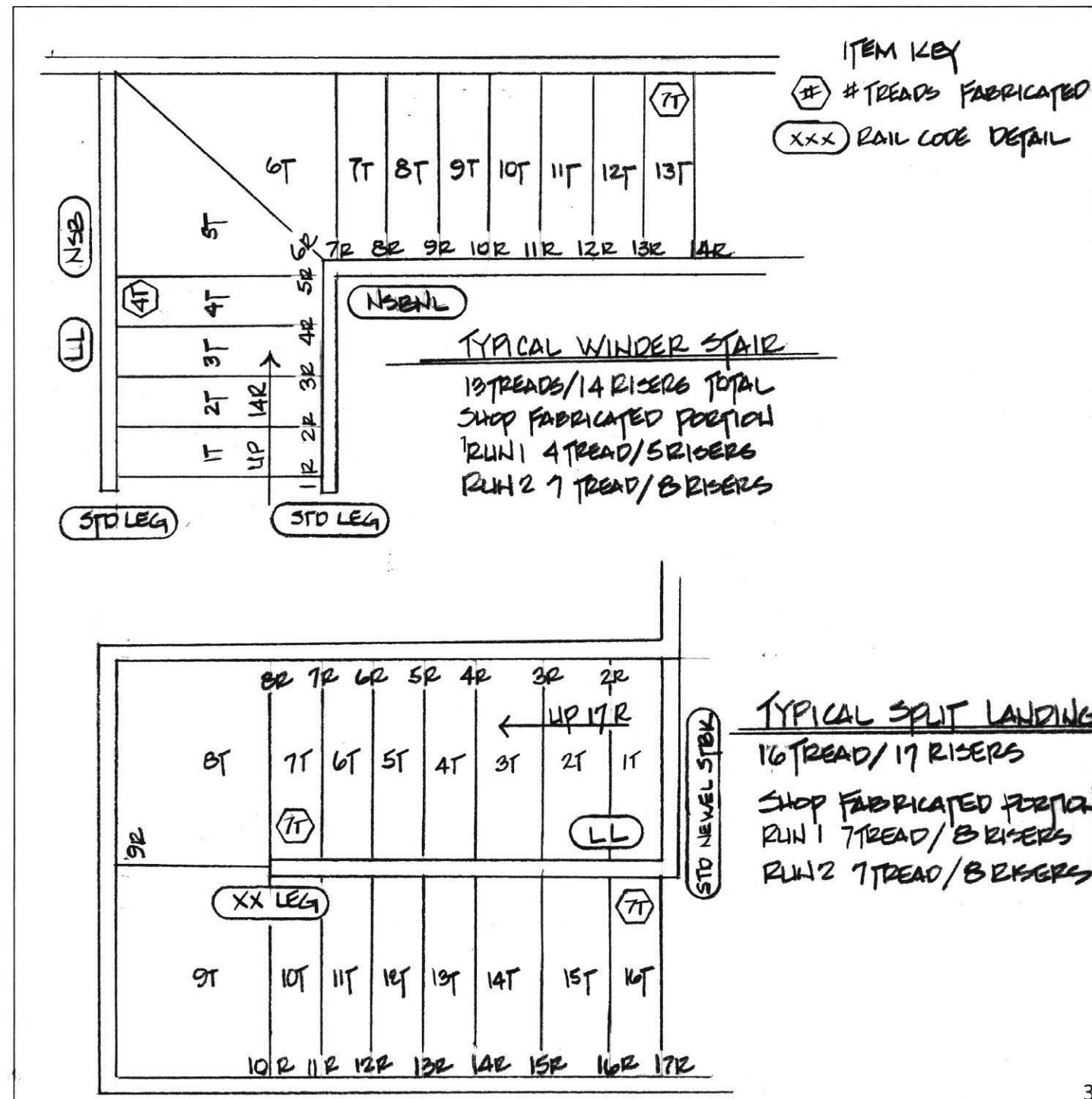
7 1/8" x 15 = 106 3/8" OUR ACTUAL IS 107 1/8"
OUR ACTUAL STAIR IS 1/4" SHORT
THIS EXPLAINS WHY RAIL ANGLES
MUST BE MEASURED AT TRIM WALK

LANDING HEIGHT CALCULATION

USE ACTUAL RISER HT NOT FABRICATED
HEIGHT OF 7 1/8".
7.1417" x 7 RISERS = 49.9919"
ONCE AGAIN DROP THE 49
MULTIPLY .9919 x 16 = 15.87 16 THS
15.87 > 15.5 ROUND UP TO 16 16 THS
OR 1" 49" + 1" = 50"
50" IS TRUE LANDING HEIGHT

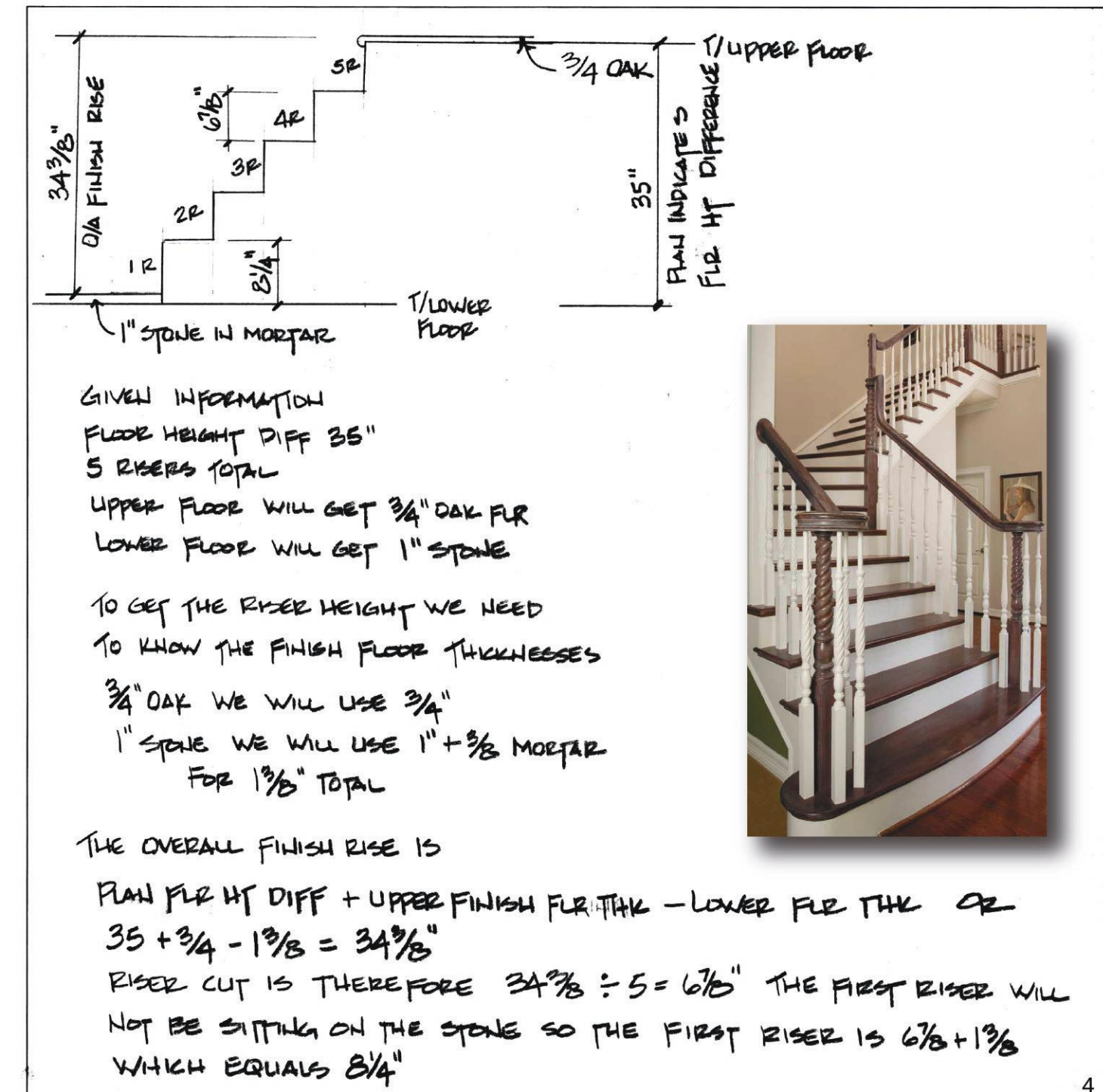
VARIOUS CONFIGURATIONS: TREAD/RISER COUNTS & STANDARD RAIL NOTATIONS

The following sketches indicate which portions of the typical stairs is shop fabricated and which treads/landing sections are field fabricated. This helps the installation process flow smoothly. Each trade will know exactly what is required.



BASIC RISER CALCULATION W/DISSIMILAR FINISH FLOOR THICKNESS

Flooring thickness can affect your riser calculations. This is an example of the arithmetic used to accommodate the stair geometry when flooring materials are of different thickness. (Terra-cotta stone landing vs. carpeted stair & upper floor)



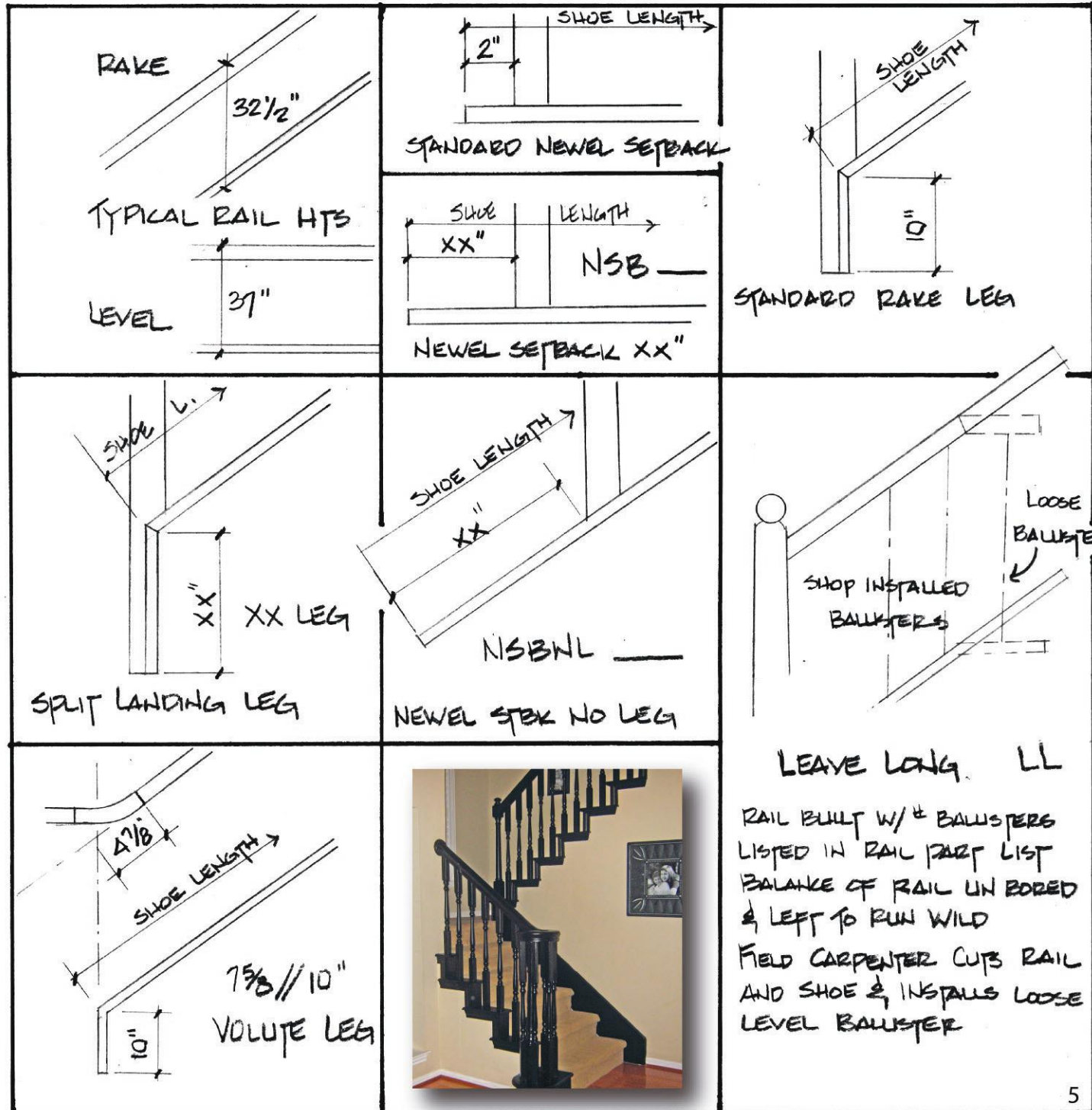


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TYPICAL RAIL DETAILS

These depictions represent standard fabricated conditions. They are the most commonly used details in delivered rails. Section length is modified in the field to facilitate the installation process.



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Tread Count Guide

Ordering stairs can be a little complicated. We've put together some simple guides and illustrations to help make your stair ordering process easier. Browse through these helpful tips and feel free to use the graph on the back page to sketch out your design. Contact your Edward Hines Lumber representative with any questions or concerns. 1-888-ED HINES

STAIR KEY: STRAIGHT STAIR RUN - RISER CALCULATION

The illustration below shows how to take your project's rough opening and determine the fabricated stringer width. After we determine the width, we will use the number of risers indicated on your plan to determine the required riser cut. Also included is an explanation of how riser heights are rounded to the nearest 1/16" for fabrication purposes.

