### TERMINOLOGY:

<table>
<thead>
<tr>
<th><strong>Stair Construction</strong></th>
<th><strong>Stair Design</strong></th>
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<tbody>
<tr>
<td>Baluster</td>
<td>Straight Run</td>
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<tr>
<td>Stringer</td>
<td>“L” Stair</td>
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<tr>
<td>Landing</td>
<td>“U” Stair</td>
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<td>Newel</td>
<td>Winder</td>
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<tr>
<td>Nosing</td>
<td>Spiral</td>
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<tr>
<td>Tread</td>
<td>Circular</td>
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### STANDARD RULE OF THUMB SIZES:

**SPACE PLANNING & DESIGN:**
- Minimum tread depth
- Maximum riser height
- Minimum stair width
- Minimum clear headroom

**STAIR DESIGN RATIOS:**
- The rise to run ratios recommended for stairs
  - [based on degree angles or stair rules]

### PROBLEM SOLVING:

- Calculate total rise required for stair
- Determine number of risers required for stair
- Determine the number of treads required for a stair
- Determine the total length of run for the stair based on the selected riser size
RESOURCES:

Architecture: residential drawing & design - Clois Kicklighter
Architectural Graphic Standards - Student Edition
Class Handout - Stair Design