When safety and durability are critical, masonry is the material of choice.

No other building material can offer the same durability and survivability as masonry. More cost effective than steel and a mere 4% premium over wood, modern masonry proves there’s no excuse for specifying to code minimums.

### VS

#### Masonry

- **1,000°F**
  Masonry can withstand temperatures up to 1,000°F

- **93%**
  Concrete keeps fires contained to the room of origin 93% of the time

- **4 Hours**
  Masonry can withstand direct exposure to fire for up to 4 hours

#### Wood

- **500°F**
  Wood can withstand temperatures up to 500°F

- **47%**
  Heavy timber keeps fires contained to the room of origin 47% of the time

- **1 Hour**
  Wood can withstand direct exposure to fire for up to 1 hour

### COST COMPARISON

<table>
<thead>
<tr>
<th>Building System</th>
<th>Cost</th>
<th>Cost/Sq Ft</th>
<th>Relative Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional Wood Framing</td>
<td>$19,720,484</td>
<td>$204.15</td>
<td>100</td>
</tr>
<tr>
<td>Light Gauge Steel Framing</td>
<td>$20,961,008</td>
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<td>Masonry &amp; Precast</td>
<td>$20,472,686</td>
<td>$211.93</td>
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</tr>
</tbody>
</table>

Echelon: modern masonry solutions you can trust.

Learn more about masonry’s resilience advantages by taking our AIA-approved CE course.