



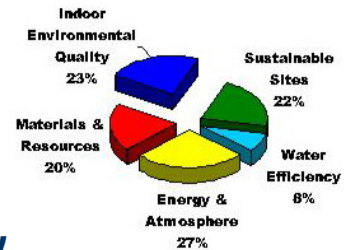
# WHY COLD-FORMED STEEL?

## LEED and CFS

California Steel Framing Alliance (CASFA) Tools of the Trade



**\*\* Steel – Trees Love It! \*\***



**STEEL THE BETTER BUILDER!**

ISSUE	WOOD	STEEL
<b>Sustainable?</b>	May rot, warp or shrink. <b>60-100 Years</b>	Does <i>not</i> rot, warp or shrink. <b>643-1000 Years</b>
<b>Recycling MR Credit 4 Recycle Content</b>	Reuse Wood Products? <b>Minimal industry recycling</b>	<b>Electric Arc Furnace</b> processes (NUCON Steel) are: <b>99% Recycled</b>
<b>Industry Recycling MR Credit 4 Recycle Content</b>	Reuse Wood Products? <b>Minimal industry recycling</b>	All Steel Products are over 60% recycled (Source BuildingGreen.com): <b>60% Recycled</b>
<b>Energy Equivalent MR Credit 7 – Certified Wood – Why use it!</b>	Energy equivalent over the life: <b>1,493,100 Btu/yr</b>	Energy equivalent over the life: <b>186,766 Btu/yr</b>
<b>Innovative Design DE Credit 1</b>	Industry Standard Stud Spacing: <b>16" oc</b>	Industry Standard Stud Spacing: <b>24" oc</b>
<b>Job Disposal &amp; Waste MR Credit 2 – Construction Waste Management MR Prerequisite 1 – Storage &amp; Collection</b>	Treated wood is not biodegradable.  <b>Job site waste: 10-20%.</b>	Pre-cut, custom pieces reduce waste. Steel can be sold as scrap and/or recycled.  <b>Job site waste: 1-3%.</b>
<b>Local/Regional Material MR Credit 5</b>		The major manufacturers are in CA! <b>Easily Achieved in California!</b>
<b>EA Prerequisite 2 – Min Energy</b>		<b>Now mandated in the ICC &amp; IRC insulation requirements!</b>