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Earthquake-resistant structures - Wikipedia

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Cold-formed steel - Wikipedia

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steel structures design behavior 4th edition solution manual Introduction to Glass Technology 7 Theoretical Strength of Glass

• Theoretical strength of glass can be calculated from the energy needed to separate a plane of atoms, see diagram

• Si - O covalent bonds are strong, circa 104 kcal

• Calculated value gives: 18 GPa or 2.6 million Psi

• Most practical and design strengths are 1000 times less! Strength of Glass Decreases

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