Overview of Earthquake Engineering

What's covered in this section:

- *Basic sources of damage*
- *Fundamental guidelines*
- *How building codes have evolved*
- *Current trends in earthquake engineering*
- *How CE 227 fits*

What's Next:

Design criteria, code formats, Is nonlinearity our friend?

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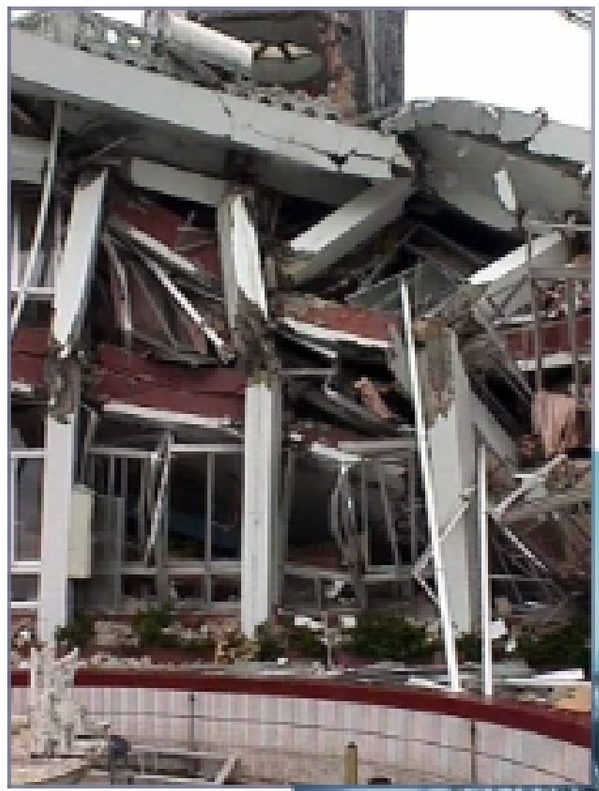
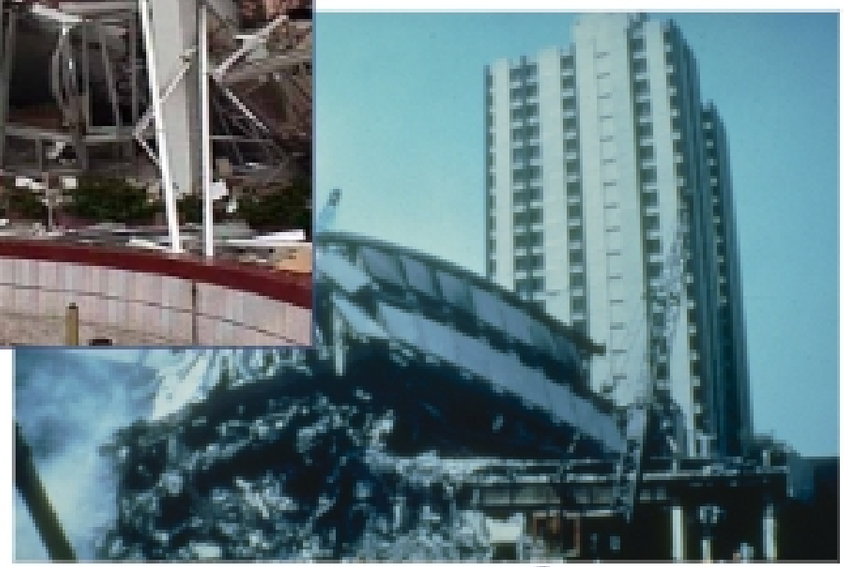
Review Sources of Damage

Damage caused by:

- ✓ Ground shaking
- ✓ Fault rupturing
- ✓ Liquefaction and soil movement
- ✓ Slope instability and landslides
- ✓ Tsunami and seiche
- ✓ Fire
- ✓ Flooding
- ✓ Interaction with adjacent structures (pounding)



We will look at effects of ground shaking in more detail later



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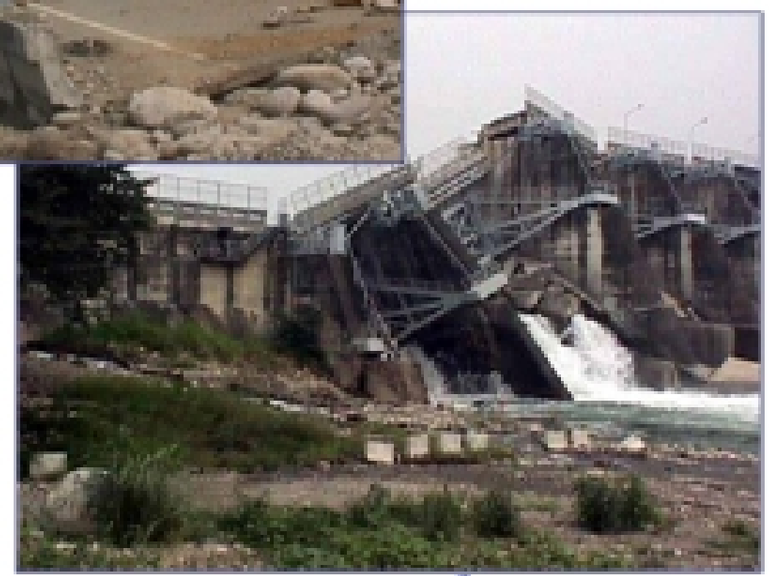

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