Whole Building Approach

**Goal:** “to create buildings that are responsive, responsible and defensible.”

**What this means:**
- Buildings must be competently planned; functionally adequate; appropriate in form; cost effective; constructible; adaptable; durable and contextual.
- ALL BUILDING SYSTEMS ARE INTERDEPENDENT NOT INDEPENDENT!

Whole Building Approach

**“Sustainability”:**
- Meets the needs of the present without compromising the ability of future generations to meet their own needs.
- “Reduce, reuse and re-cycle” are key strategies to adopt.
- Applies both to new building construction and renovation of existing buildings.

“Sustainable” Building Design

**Site responsive:**
- Examples: re-use of existing structures, blend into natural habitat; landscaping

**Energy Efficient:**
- Examples: effective HVAC and lighting systems, meet or exceed minimum code req’ts

**Conserve water:**
- Examples: recycling of non-potable water, eliminate run-off, efficient fixture use.

**“Green” Materials”:**
- Examples: re-use existing materials and finishes, maximize recycled content of materials, minimize debris.
<table>
<thead>
<tr>
<th><strong>“Sustainable” Building Design</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Indoor Environmental Quality:</strong></td>
<td><strong>Operation and Maintenance:</strong></td>
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<td>Examples: improve human thermal comfort, ensure adequate supply of ventilation air, utilize natural lighting systems, eliminate VOC’s.</td>
<td>Examples: training of building users and facilities personnel, building automation systems, utilize environment friendly cleaning products, recycling/waste management programs</td>
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