

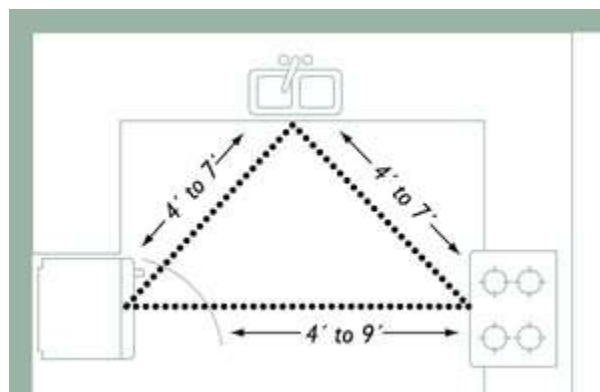
## ARC 2

**Objective 2.04** *Apply accepted principles of single-level residential space planning.*

## ARC 3

**Objective 4.02** *Apply plans for kitchen cabinet drawings, standard sizes and configurations.*

# THE WORK TRIANGLE



- Always place work space between each workstation of the triangle.
- No side of the work triangle should be less than 4' or greater than 7'.
- The sum of the sides of the work triangle should be at least 15' but not more than 22'.
- Never arrange rooms so that traffic is required to pass through the work triangle.

<b>Cabinet Dimensions</b>		
	<b>Overhead Cabinets</b>	<b>Base Cabinets</b>
<b>Standard depth</b>	<b>12"</b>	<b>24"</b>
<b>Maximum depth</b>	<b>18"</b>	<b>36"</b>
<b>Height</b>	<ul style="list-style-type: none"> <li>• <b>30 – 33"</b> (when placed above counter).</li> <li>• <b>12-18"</b> (when placed above an appliance).</li> </ul>	<b>36"</b> (floor to countertop).
<b>Width</b>	<b>9 – 48"</b> (stock cabinets are available in 3" increments).	<b>9 – 48"</b> (stock cabinets are available in 3" increments).
<b>Location</b>	<ul style="list-style-type: none"> <li>• <b>15"</b> (above counter)</li> <li>• <b>24"</b> (above sink)</li> <li>• <b>30"</b> (above range)</li> </ul>	

### **Assignment:**

- List **details/design challenges** presented by each counter arrangement. (pg. 146-147).
- Draw the **6 COMMON COUNTER ARRANGEMENTS** ([straight, corridor or gallery, L-shape, U-shape, peninsula, and island](#)). Use the examples found on page 146 (Textbook: *Architectural Drafting and Design – 5<sup>th</sup> ed.*) Use  $\frac{1}{4}'' = 1' - 0''$  scale. Templates with appliances and sink layouts are available in the classroom.