**TERMS & DEFINITIONS**

**Toe** – The junction of the weld face and the base metal.

**Leg** – The distance from the joint root to the toe of the weld.

**Face** – The exposed surface of a weld on the side from which welding was done.

**Theoretical Throat** – The minimum distance minus any reinforcement between the joint root and the face of a fillet weld.

**Effective Throat** – The minimum distance minus any reinforcement between the weld root and the face of a fillet weld.

**Actual Throat** – The shortest distance between the weld root and the face of a fillet weld.

**Reinforcement** – Weld metal in excess of the quantity required to fill a joint.

**Heat Affected Zone** – That portion of the base metal that has not been melted, but whose mechanical properties or microstructure have been altered by the heat of welding, brazing, soldering, or cutting.

**Weld Root** – The points at which the root surface intersects the base metal surfaces.

**Joint Root** – That portion of a joint to be welded where the members approach closest to each other. In cross section, the joint root may be a point, a line, or an area.