



FABRICATION TOLERANCES FOR BUILT-UP STEEL MEMBERS

The fabrication of built-up structural steel members shall conform to the tolerances for wide flange shapes specified in the “Specifications for General Requirements for Delivery of Rolled Steel Plates, Shapes, Steel Piling and Bars for Structural Use,” ASTM A6/A6M-21 and to the following:

1. The maximum deviation from flatness of webs (dish) in the length between stiffeners or in a length equal to the depth of the member at the section under consideration shall not exceed the following:

Dimension	Maximum Deviation from Flatness
Less than 25-inches	1/50 of the dimension
25-inches to 75-inches	1/2–inch maximum
Over 75-inches	1/150 of the dimension

2. In lieu of the values specified in ASTM A6 the maximum deviation below the specified depth shall be as follows:
 - * For depths up to and including 36 inches - 1/8 inch.
 - * For depths exceeding 36 inches - 3/16 inch.
3. The depth of tapered beams may exceed the specified depth, provided the height to thickness ration “h/t” of the web does not exceed 260.