

## **Section 6 M200: Tension Bridle Overview**

The primary function of the tension bridle is to provide line tension on the strip prior to the leveler. Primary components of the tension bridle assembly are illustrated below (figures M2.1 thru M2.7). Refer to drawing D-108655-SA for complete information.

Roll #1 and #5 are equipped with load cells to measure line tension. The bridle rolls have a high coefficient of friction and when they are engaged they will increase the line tension on the exit side without changing the entry tension. This will allow the equipment prior to the tension bridle to perform with the required low tension and the equipment after to have better results with higher tension. The bridle rolls can be in contact with a strip with a temperature up to 350°. If the temperature of the strip is higher than 350° the rolls will need to be protected with the provided thread tables. Refer to drawing D-108661-SA for proper configurations for threading different temperature strips.















