On how it calculates load on the machine beams:

The loads for the overhead steel are based of the latest GT11 and GT31 formulas. These depend on knowing the center of gravity. From that point a percentage of the dead load is sent to points at the four corners of the machine.

      "loadDist": {

         "live": {

            "front": 0.500,

            "back": 0.500

         },

         "dead": {

            "r1": 0.249,

            "r2": 0.249,

            "r3": 0.251,

            "r4": 0.251

         }

      }

For now, those are represented as four points on a right-hand machine. Since the information from the legacy machine line set it up as a right-hand machine. The four points go as listed: r1 is point 3, r2 is point 5, r3 is point 4 and finally r4 is point 6.

