3. Coordinate System Issues

- Coordinate System
  - Right-handed (≡mathematical)
    - +z   beam direction
    - +x   left, when looking in beam direction
    - +y   up
  - there are two systems
  - all 'official drawings' have to display the coordinate system and the beam direction

- 'Left' vs. 'Right'
  - All drawings that are disconnected from any geographical context will show the machine starting from the 'left' of the drawing and proceding to the 'right'
  - All drawings that are shown within a geographical context will indicate the direction 'North'; normally, 'North' will point towards the top of the page