



[1] Save the drawing to D:\Tema\Surname\_Name\_P2.dwg

[2] Create the following layers, with corresponding properties:

- CONTOUR, GREEN colour, CONTINUOUS linetype, 0.4 mm lineweight
- AXES, MAGENTA colour, ISO DASH-DOT linetype, 0.2 mm lineweight
- DASHED, WHITE colour, ISO DASH linetype, 0.09 mm lineweight
- CUT, CYAN colour, CONTINUOUS linetype, 0.09 mm lineweight

[3] Draw the steel column, using appropriate layers for its elements. Choose one of the following set of dimensions:

A)  $h=200$ ,  $b=75$ ,  $tw=8$ ,  $tf=11.5$ ,  $R=11.5$ ,  $Lt=270$

B)  $h=175$ ,  $b=70$ ,  $tw=7.5$ ,  $tf=10.75$ ,  $R=10.75$ ,  $Lt=260$

[4] Draw the arrows, using polylines with variable width (0-20).

[5] Set the global linetype scale to 3.

[6] Create a REGION from the channel profile. Find area of the channel, and draw a horizontal line of length equal to the area of the channel.

[7] Freeze the AXES layer.

