①

R4.5

R7.5

7.5

160

11.04

14%

20.625

90

②

③

200

200

[1.a] Save the drawing in your home directory under the name: Surname_Name_L04a.dwg

[1.b] Create the following layers, with corresponding properties:
- Contour, GREEN colour, CONTINUOUS linetype, 0.4mm lineweight
- Axes, MAGENTA colour, ISO DASH-DOT linetype, 0.2mm lineweight

[1.c] Draw the I profile from figure (1) in the "Contour" layer

[2.a] Copy the I profile from figure (1) 300 units to the right

[2.b] Using COPY, ROTATE and MOVE commands, construct the built-up cross-section from figure (2)

[3.a] Copy figure (2) 400 units to the right

[3.b] Use the STRETCH command to adjust the height of the the I profiles to the dimensions in figure (3)

④

1500

1000

1000

1000

1500

3500

[4.a] Construct the grid of lines with the dimensions indicated in figure (4), in the "Axes" layer

[4.b] Set the global linetype scale to 15 (LTSCALE, or LINETYPE)

[4.c] ALIGN a copy of the built-up cross-section from figure (3) to the gridline

[4.d] COPY the aligned cross-section in each intersection of gridlines, using the MULTIPLE option of the COPY command

[4.e] Practice modifying layer states (On/Off, Freeze/Thaw, Lock/Unlock)

[4.f] Practice turning on anf off lineweight display