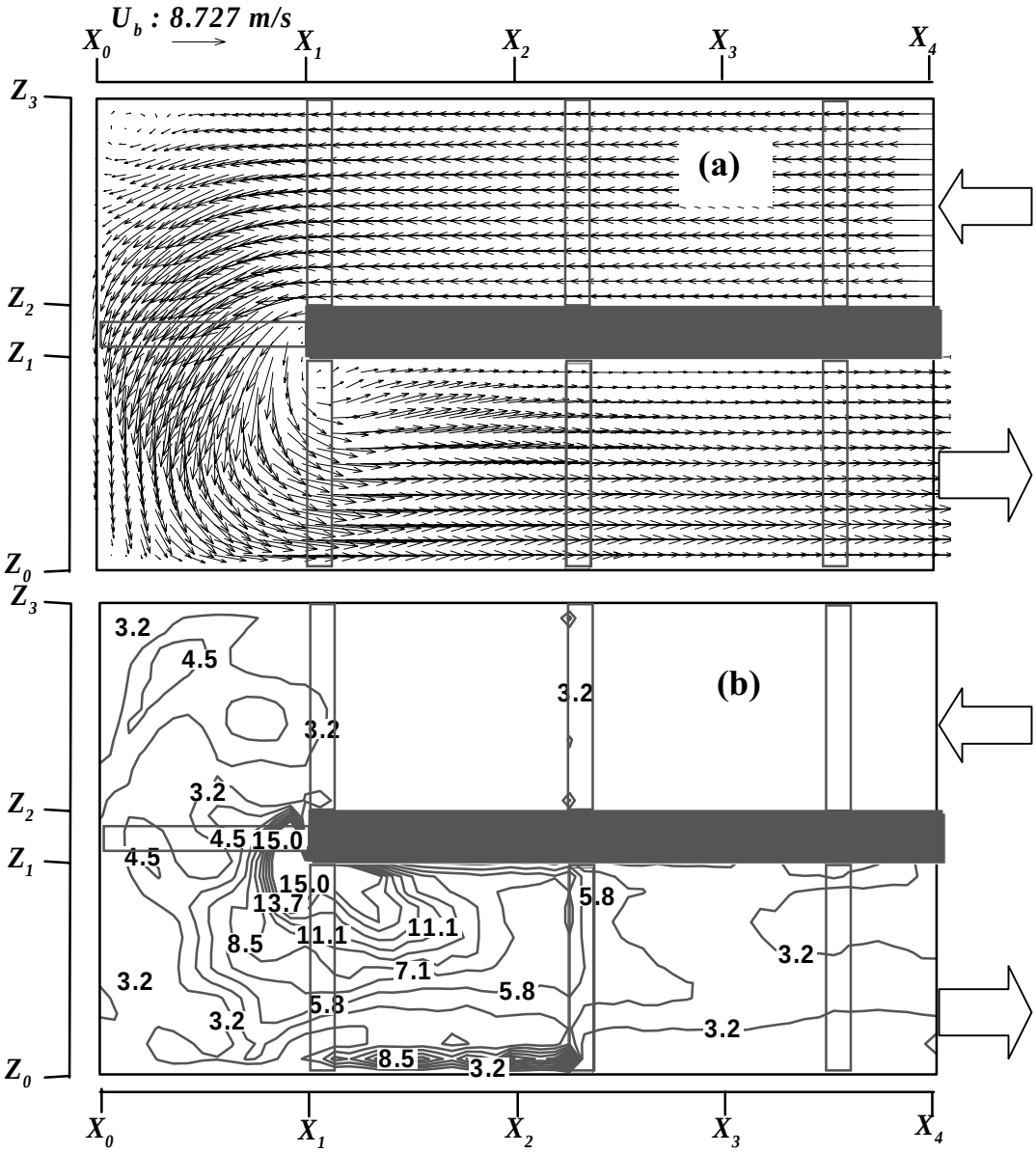

Main flow development at y = 0.5 Y_1 with 90° ribbed wall at Re = 30,000;

(a) flow vector plot (b) normalized turbulent kinetic energy $\frac{\left(\overline{u^2}+\overline{w^2}\right)/2}{U_b^2}\times 100$ plot