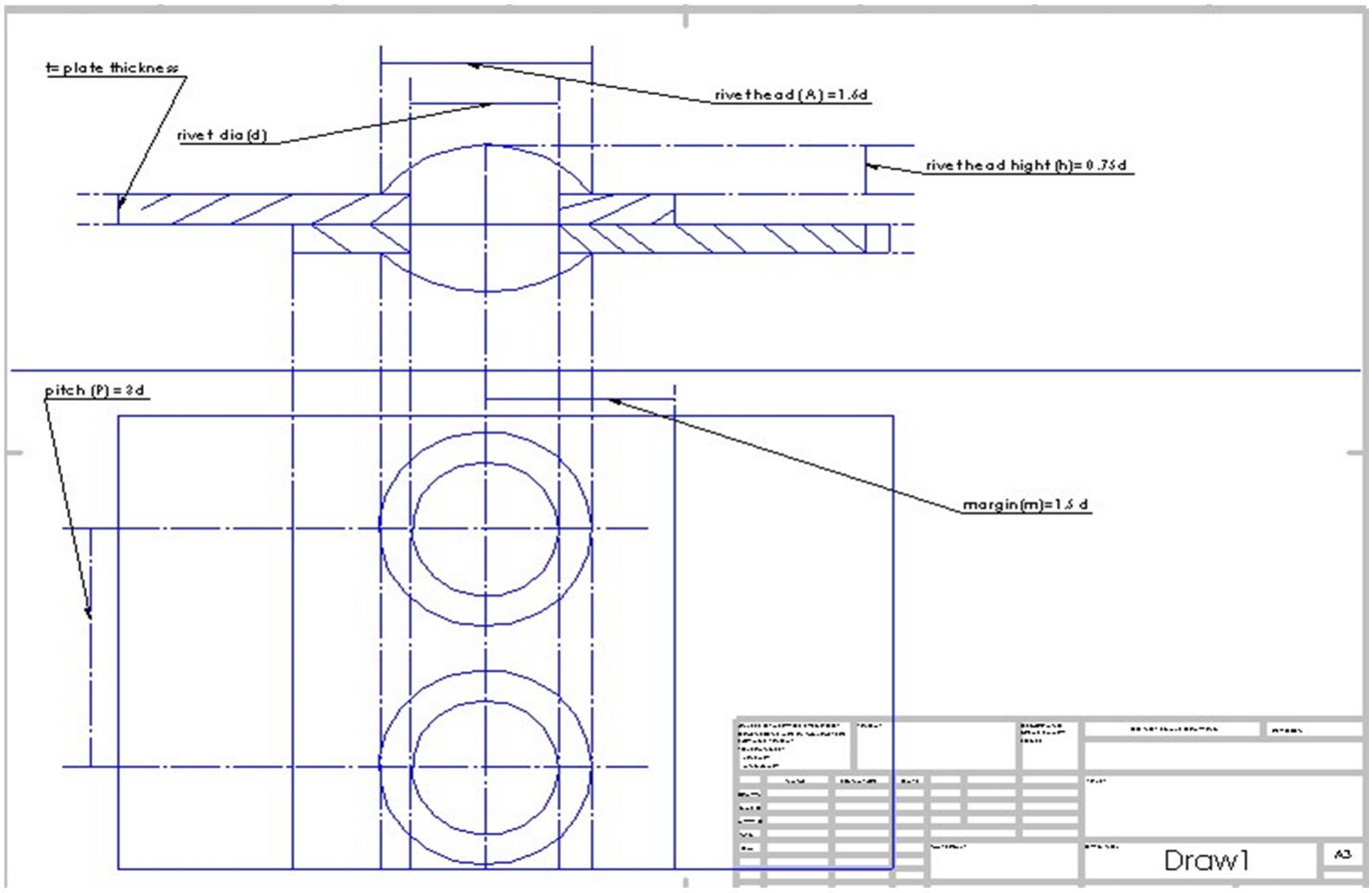
Q.1 Draw sectional view of a single riveted lap joint plate thickness t= 20 mm.

Sol. t= 20 mm

Rivet dia d = $6\sqrt{t}$; A = 1.6 d;

Pitch (P) = 3d ; H = .75 d ; margin (m) = 1.5 d

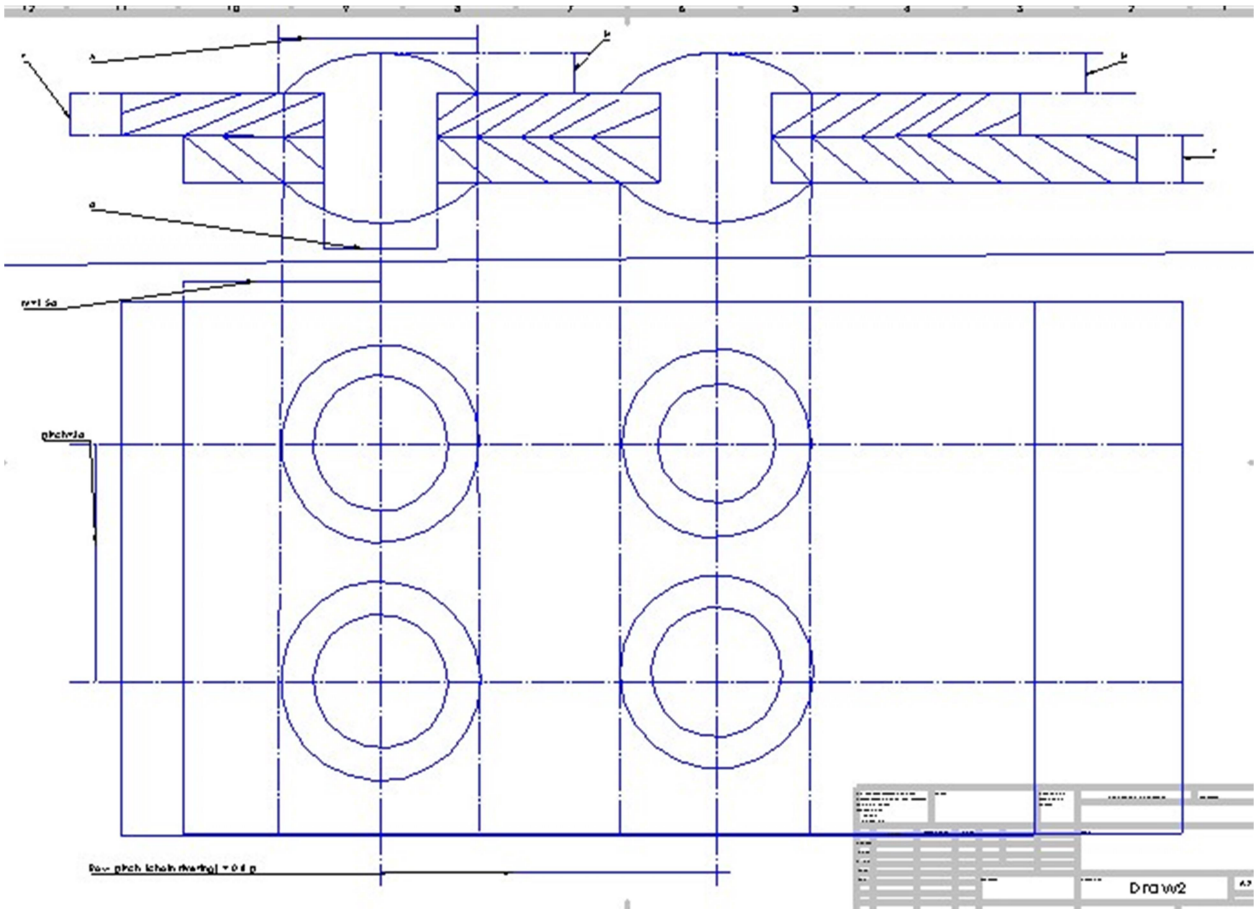


Q.2 Draw sectional view of a double riveted chain lap joint plate thickness t= 20 mm.

Sol. . t= 20 mm

Rivet dia d = $6\sqrt{t}$; A = 1.6 d ;

Pitch (P) = 3d ; H = .75 d ; margin (m) = 1.5 d ; back pitch (P_b) =0.8p



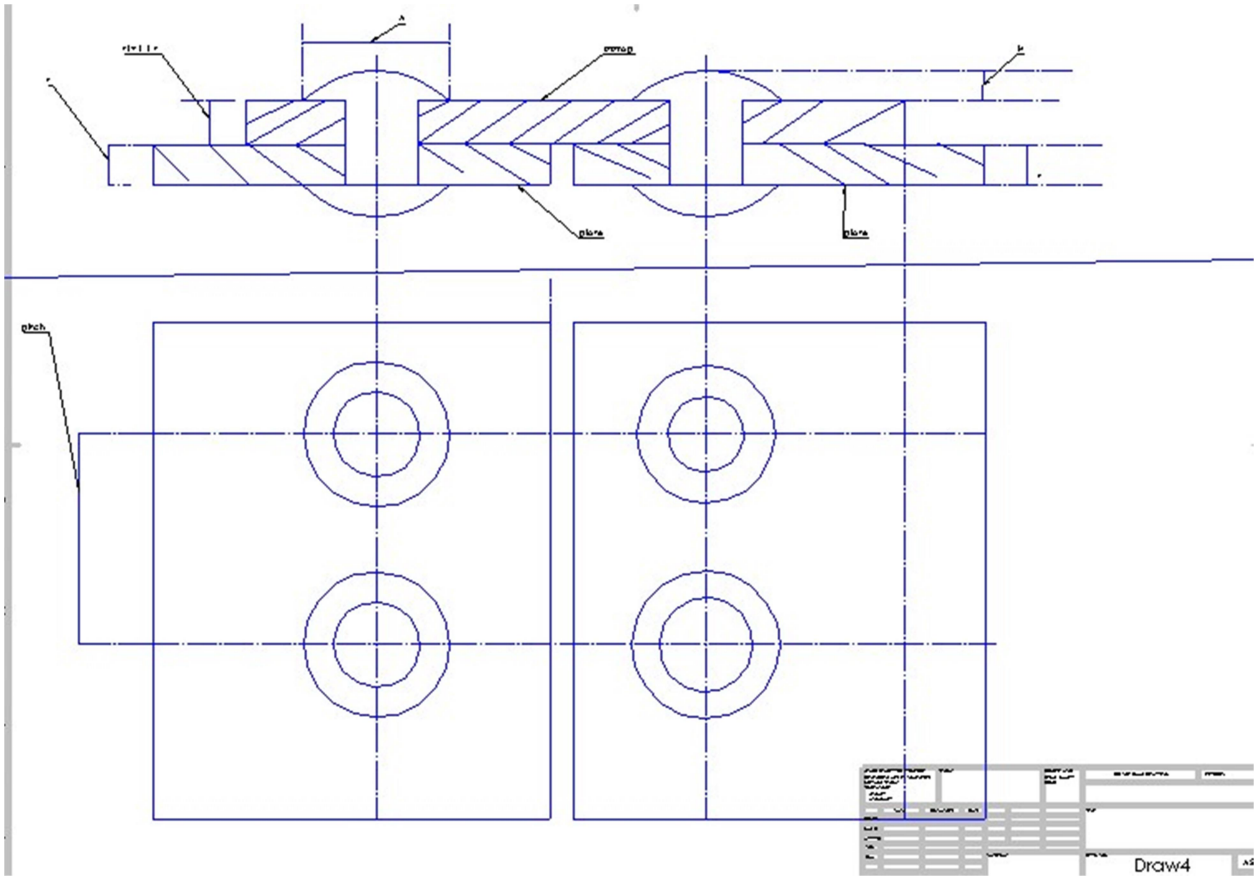
Q.3 Draw sectional view of a single strap single riveted butt joint plate thickness t= 20 mm.

Sol. . t= 20 mm

Rivet dia d = $6\sqrt{t}$; A = 1.6 d ;

Pitch (P) = 3d ; H = .75 d ; margin (m) = 1.5 d ; back pitch (P_b) =0.8p

Strip thickness (t_1) = 1.1t



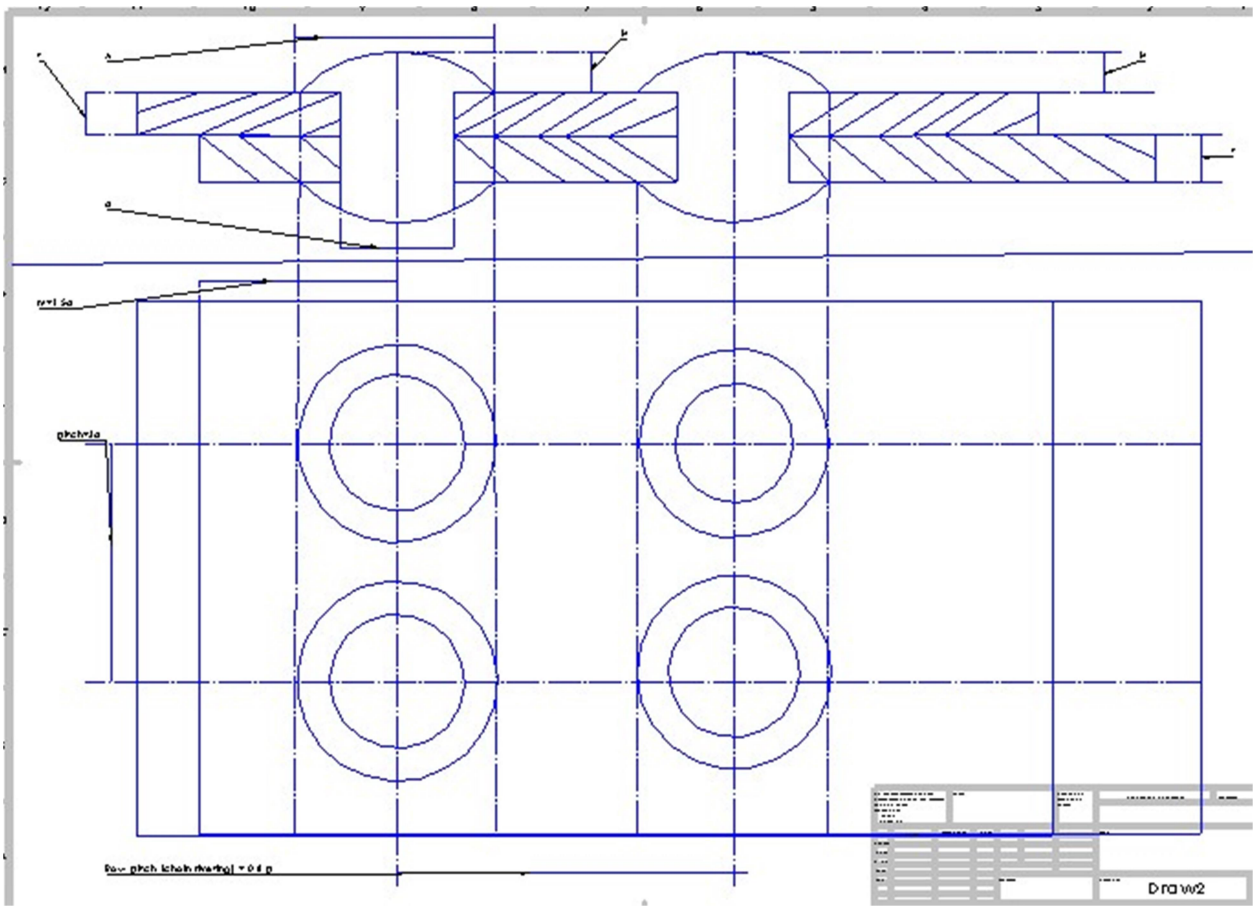
Q.4 Draw sectional view of a single strap double riveted chain butt joint plate thickness t= 20 mm.

Sol. . t= 20 mm

Rivet dia d = $6\sqrt{t}$; A = 1.6 d ;

Pitch (P) = 3d; H = .75 d ; margin (m) = 1.5 d ; back pitch (P_b) =0.8p

Strip thickness (t_1) = 1.1t


Draw2