

$$x_{\min} = -3200$$

$$x_{\max} = 1300$$

$$\text{Cote Verticale} = 720$$

$$y_{\min} = 0$$

$$y_{\max} = 2500$$

$$\text{Cote Horizontale} = 180$$

$$z_{\min} = -1000$$

$$z_{\max} = 3400$$

Recherche du parallélépipède.

(2 vues).

Mise en page isométrique.

$$\text{mini} \left\{ \begin{array}{l} \frac{\text{Cote Verticale}}{(y_M - y_m) + (z_M - z_m)} \\ \frac{\text{Cote Horizontale}}{x_M - x_m} \end{array} \right.$$

$$\text{mini} \left\{ \begin{array}{l} \frac{\text{Cote Verticale}}{(z_M - z_m) + (y_M - y_m) \cos 60 + (x_M - x_m) \cos 60} \\ \frac{\text{Cote Horizontale}}{(y_M - y_m) \cos 30 + (x_M - x_m) \cos 30} \end{array} \right.$$

$$\frac{720 - (1 \text{ marge} + 2 \text{ jeu})}{2500 + (3400 + (-1000))} = 0,07739$$

$$\frac{180 - (2 \text{ marge} + 2 \text{ jeu})}{7300 + (-3200)} = 0,04$$

Echelle = 0,07739.

Adjacent y = 37,67.

$$\frac{720 - (2 \text{ marge} + 2 \text{ jeu})}{(3400 - (-1000)) + (2500 - 0) \cos 60 + (1300 - (-3200)) \cos 60} = 0,075$$

$$\frac{180 - (2 \text{ marge} + 2 \text{ jeu})}{(2500 - 0) \cos 30 + (1300 - (-3200)) \cos 30} = 0,029$$

Echelle = 0,075

Adjacent y = 32,88

$$\text{Adjacent } y = (y_{\max} \cos 30) \times \text{Echelle}$$

$$37,67 = (2500 \cos 30) \times 0,07739$$

$$\text{Adjacent } y = (y_{\max} \cos 30) \times \text{Echelle}$$

$$32,88 = (2500 \cos 30) \times 0,075$$

