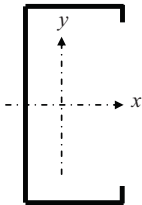
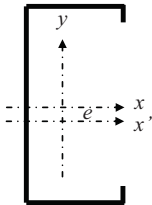


Hot  
side

Cold  
side

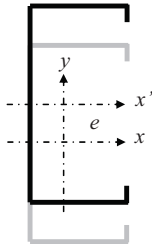


Original  
position



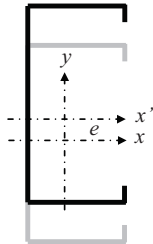
Neutral  
axis shift

$$e = e_{\Delta E}$$



Thermal  
bowing

$$e = e_{\Delta T}$$



Resultant

$$e = e_{\Delta T} - e_{\Delta E}$$