

Fig. 3

$$f = P/A \pm (M_x/I_x)y \pm (M_y/I_y)x$$

P=	800 kN
A=	0.72 m ²
M _x =	480 kN-m
I _x =	0.0864 m ⁴
M _y =	240 kN-m
I _y =	0.0216 m ⁴
f _{+x+y} =	7778 kPa Compression
x=	0.3 m
y=	0.6 m
f _{-x+y} =	1111 kPa
x=	-0.3 m
y=	0.6 m
f _{-x-y} =	-5556 kPa
x=	-0.3 m
y=	-0.6 m
f _{+x-y} =	1111 kPa
x=	0.3 m
y=	-0.6 m

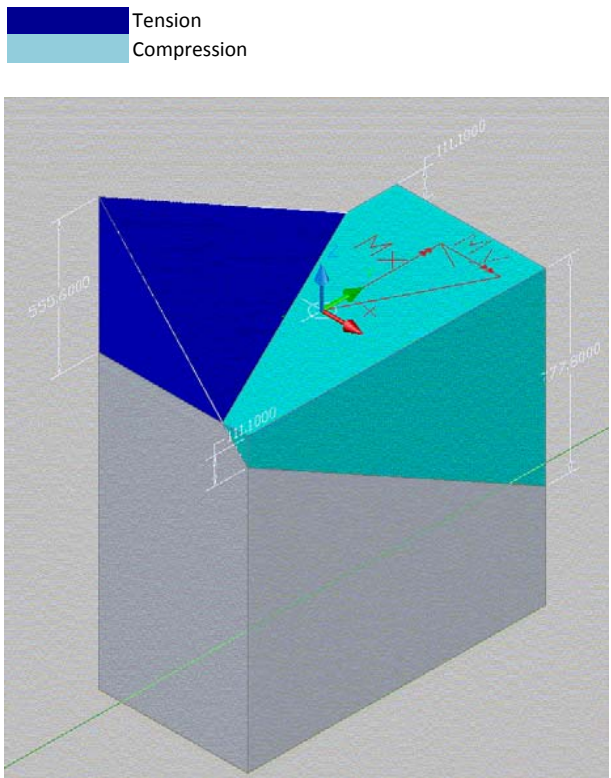


Figure 4. Isometric view of stresses

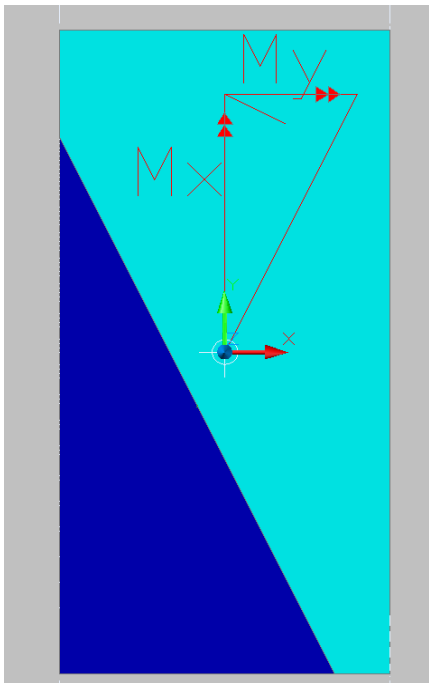


Figure 5. Plan view of stresses

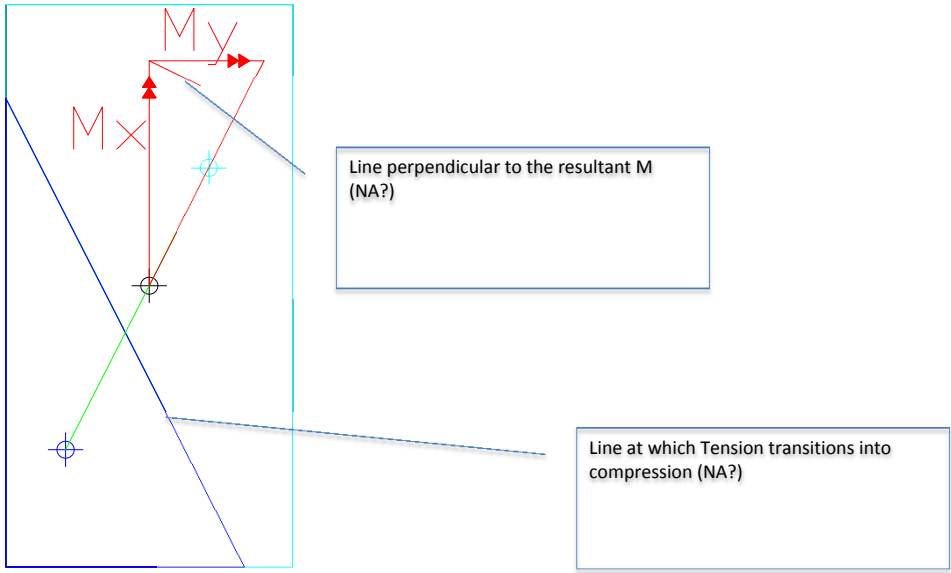


Figure 6. Plan view of stresses not shaded