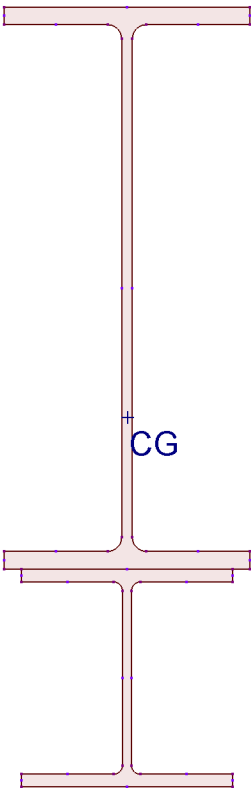


Overall Dimensions	
Width	7.000 in
Height	22.110 in
Perimeter	83.297 in
Geometric Properties	
Iy	37.601 in^4
Ix	1024.394 in^4
ry	1.541 in
rx	8.042 in
A	15.839 in^2
Sy Right	10.743 in^3
Sy Left	10.743 in^3
Sx Bottom	93.457 in^3
Sx Top	91.883 in^3
Centroid Y	-3.149 in
Centroid X	-0.000 in
Material Properties	
E	29000.000 Ksi
Plastic Properties	
Fy Base	50.000 Ksi
Zy	12.175 in^3
Zx	80.539 in^3
PNA-Y	-6.351 in
PNA-X	-0.000 in

Polar Properties	
Ip	1061.994 in^4
rp	8.188 in
Principal Properties	
I2	37.601 in^4
I1	1024.394 in^4
Ixy	0.000 in^4
Theta	180.000 deg
Approximate Shear Properties	
SC Y	-3.203 in
SC X	-0.000 in
Approximate Torsion Properties	
H	0.875
J	1.226 in^4
ro	8.754 in
Cw	3002.689 in^6
Advanced Properties	
Elements	375.000
Mesh Curve %	10.000
Mesh Size #	0.070
Nodes	503.000
W16x40	
Fy Ratio	0.720
Fy	36.000 Ksi

Width	7.000 in
Height	16.000 in
Iy	28.934 in^4
Ix	527.644 in^4
A	11.965 in^2
Sy Right	8.267 in^3
Sy Left	8.267 in^3
Sx Bottom	65.955 in^3
Sx Top	65.955 in^3
WT6x13	
Fy Ratio	0.720
Fy	36.000 Ksi
Width	6.490 in
Height	6.110 in
Iy	8.667 in^4
Ix	11.705 in^4
A	3.874 in^2
Sy Right	2.671 in^3
Sy Left	2.671 in^3
Sx Bottom	9.470 in^3
Sx Top	2.401 in^3



Overall Dimensions	
Width	7.000 in
Height	22.200 in
Perimeter	93.822 in
Geometric Properties	
Iy	42.220 in^4
Ix	1058.695 in^4
ry	1.535 in
rx	7.689 in
A	17.907 in^2
Sy Right	12.063 in^3
Sy Left	12.063 in^3
Sx Bottom	100.667 in^3
Sx Top	90.617 in^3
Centroid Y	-3.683 in
Centroid X	0.000 in
Material Properties	
E	29000.000 Ksi
Plastic Properties	
Fy Base	50.000 Ksi
Zy	15.959 in^3
Zx	86.984 in^3
PNA-Y	-7.735 in
PNA-X	0.000 in

Polar Properties	
Ip	1100.915 in^4
rp	7.841 in
Principal Properties	
I2	42.220 in^4
I1	1058.695 in^4
Ixy	0.000 in^4
Theta	180.000 deg
Approximate Shear Properties	
SC Y	-3.532 in
SC X	0.000 in
Approximate Torsion Properties	
H	0.807
J	2.417 in^4
ro	8.728 in
Cw	2962.524 in^6
Advanced Properties	
Elements	420.000
Mesh Curve %	10.000
Mesh Size #	0.070
Nodes	531.000
W16x40	
Fy Ratio	0.720
Fy	36.000 Ksi

Width	7.000 in
Height	16.000 in
Iy	28.934 in^4
Ix	527.644 in^4
A	11.965 in^2
Sy Right	8.267 in^3
Sy Left	8.267 in^3
Sx Bottom	65.955 in^3
Sx Top	65.955 in^3
W6x20	
Width	6.020 in
Height	6.200 in
Iy	13.286 in^4
Ix	41.880 in^4
A	5.942 in^2
Sy Right	4.414 in^3
Sy Left	4.414 in^3
Sx Bottom	13.510 in^3
Sx Top	13.510 in^3