

7. Appendix

Section

General Information

Depth (cm)

Width (cm)

Area (cm<sup>2</sup>)

Radius of Gyration

r<sub>x</sub> (cm)

r<sub>y</sub> (cm)

Moment of Inertia

I<sub>x</sub> (cm<sup>4</sup>)

I<sub>y</sub> (cm<sup>4</sup>)

Section Modulus

W<sub>+x</sub> (cm<sup>3</sup>)

W<sub>-x</sub> (cm<sup>3</sup>)

W<sub>+y</sub> (cm<sup>3</sup>)

W<sub>-y</sub> (cm<sup>3</sup>)

Torsional Constants

J (cm<sup>4</sup>)

C<sub>w</sub> (cm<sup>6</sup>)

Beta<sub>Torsion</sub> (cm)

Shear Center

X<sub>s</sub> (cm)

Y<sub>s</sub> (cm)

Plastic Property

Z<sub>x</sub> (cm<sup>3</sup>)

Z<sub>y</sub> (cm<sup>3</sup>)