

CE 560 Advanced Mechanics of Materials

Shear Flow and Shear Center in Closed Section

For the cross-section shown, all wall can be considered negligible thin, and the areas as points.

- (a) For the open section shown, after the cuts, locate the shear center.
- (b) Locate the shear center of the closed section.
- (c) For both the open and the closed section, calculate the total vertical forces in the walls and compare with the total shear on the section, i.e. V .

