CVE 322 – Steel Design
Spring Semester, 2015
Homework Assignment #2

Choose a WT section, (a structural tee cut from a W section) to serve as a lower chord of the scissors truss shown below. Assume that \( l > 2w \).

Snow Load + Roof Live Load = 25 psf
Clay tile roof @ 9 psf
\( \frac{1}{4} \) inch plywood sheathing @ 1 psf
Estimate rafters & purlins @ 5 psf
Estimate truss @ 5 psf
Bay spacing = 13.5 ft

Consult AISC Table 2-4 (page 2-48) for appropriate grades of steel
E70 welds