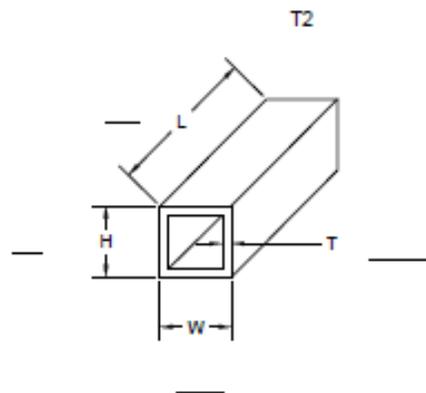
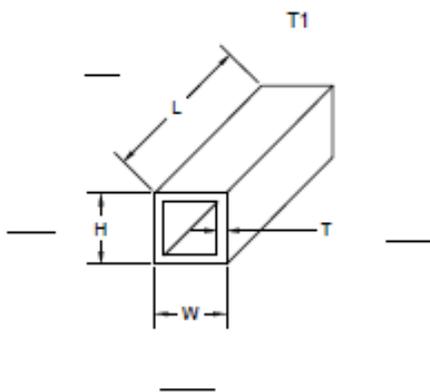
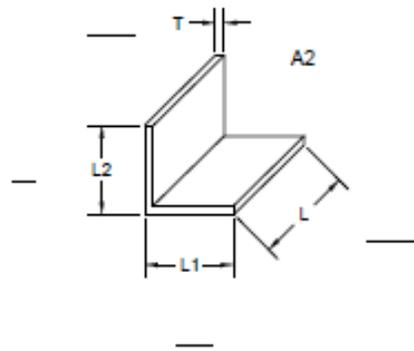
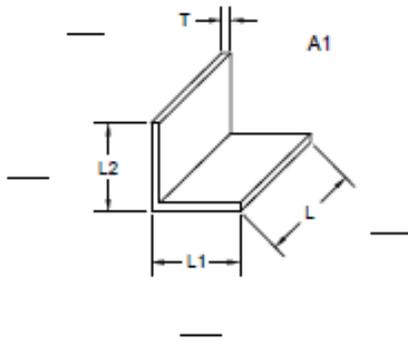


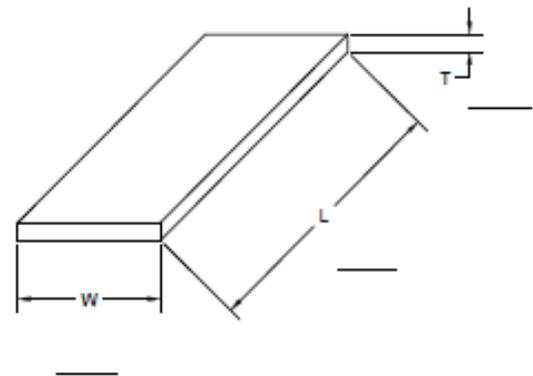
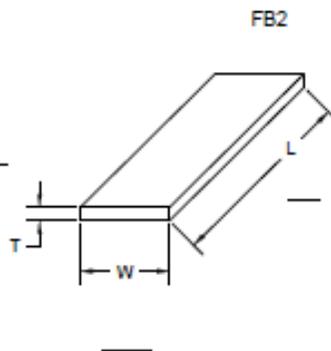
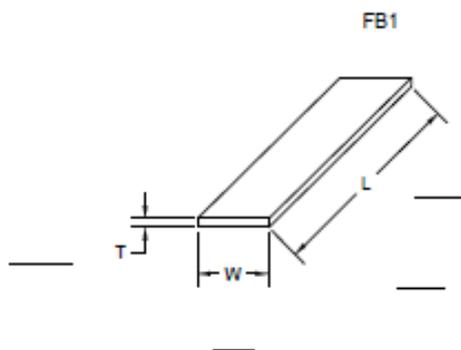
Name _____

Refer to the structural shapes from the fraction activity in which you determined the dimensions in fraction form. Convert each of your dimensions to decimals.

The labelling is as follows: A – Angle Iron; T – Rectangular Tubing; FB – Flat Bar



FB3



Utilize the pages provided by your instructor from www.ryerson.com to determine the weight of each part. List the weight per foot in lbs that you find in the Ryerson stock list in the first column below. Fill in the remaining columns.

(Hints: To convert the weight from pounds per foot to pounds per inch, divide the factor given by 12. To convert the weight from pounds to ounces, multiply by 16)

Part	Weight per foot in pounds	Weight per inch in pounds	Length of part in inches	Weight of part in pounds	Weight of the part in ounces (round to hundredths place)
A1					
A2					
T1					
T2					
FB1					
FB2					
FB3					

Verify your weight calculated using a scale provided by your instructor. (parts may weigh $\pm .05$ ounces or a little more)

Part	Weight of the part in ounces using scale
A1	
A2	
T1	
T2	
FB1	
FB2	
FB3	