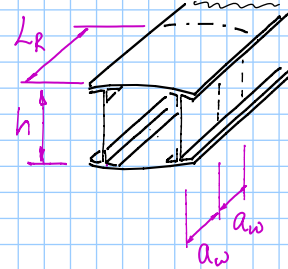
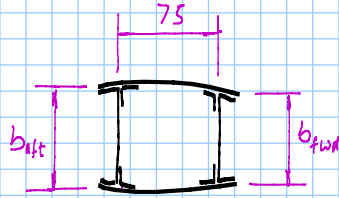
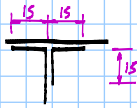
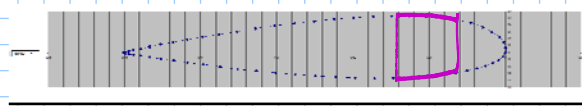


SCHEMES:

Aerofoil: #



Chosen aerofoil and $h/c\%$ \rightarrow batt, bfw.

Section trials:

TRIAL 1 $h/c = 15\%$

Dimensions:

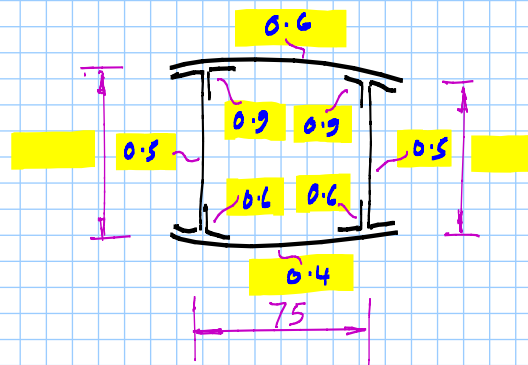
Section @ $x = \#$

eg. root wing bay etc.

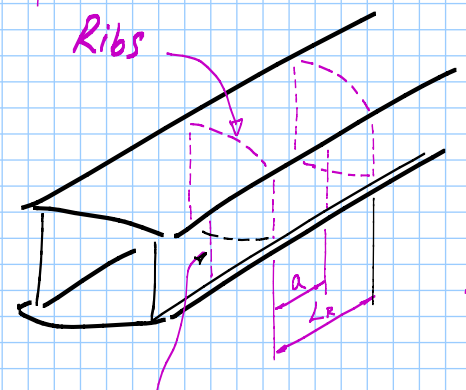
Also select:

Rib pitch $L_r = 150$ mm

Spar web stiffener pitch $a = L_r$ mm



Estimate the box-spar outline geometry from the chosen aerofoil profile



Web stiffeners (optional)

TRIAL 2 $h/c\% = 18\%$

Dimensions:

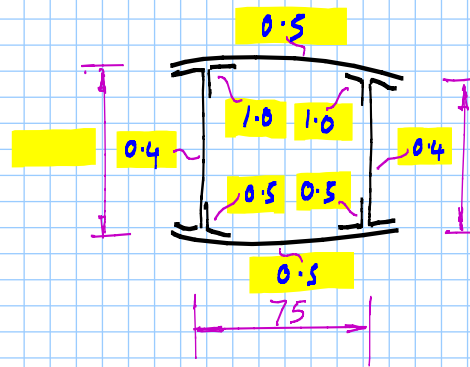
Section @ $x = \#$

eg. root wing bay etc.

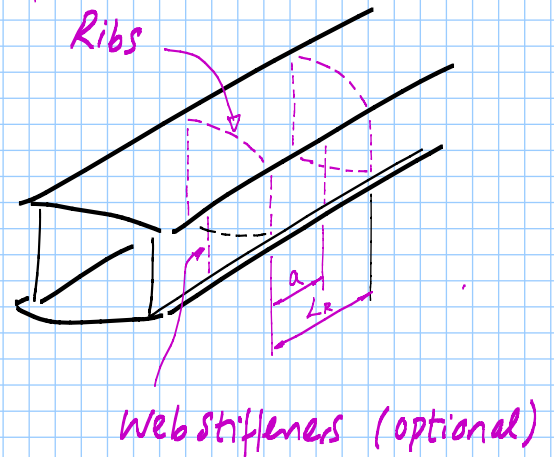
Also select:

Rib pitch $L_2 = 200$ mm

Spar web stiffener pitch $a = 100$ mm



Estimate the box-spar outline geometry from the chosen aerofoil profile



TRIAL 3 $h/c\% = 15\%$

Dimensions:

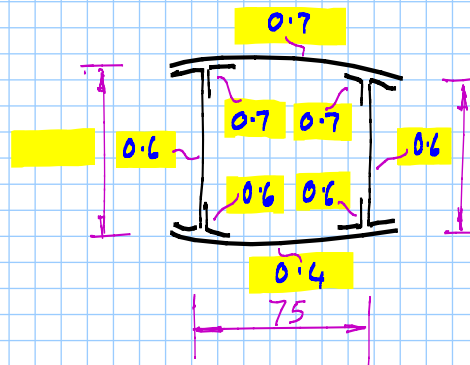
Section @ $x = \#$

eg. root wing bay etc.

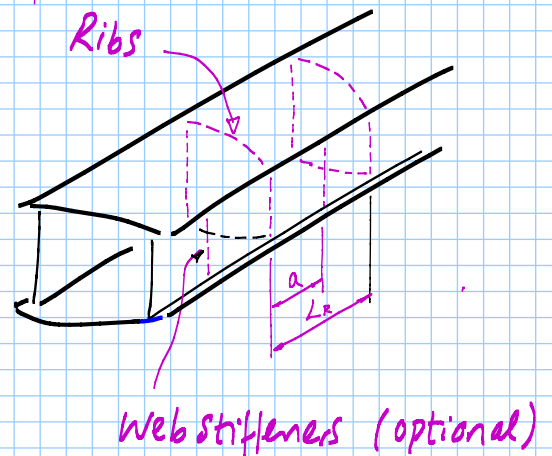
Also select:

Rib pitch $L_2 = 250$ mm

Spar web stiffener pitch $a = 125$ mm



Estimate the box-spar outline geometry from the chosen aerofoil profile



TRIAL 4 $h/c = 20\%$

Dimensions:

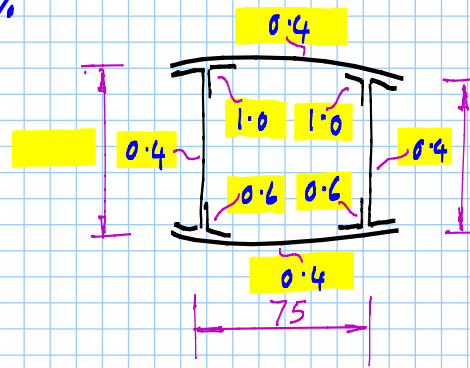
Section @ $x = \#$

eg. root wing bay etc.

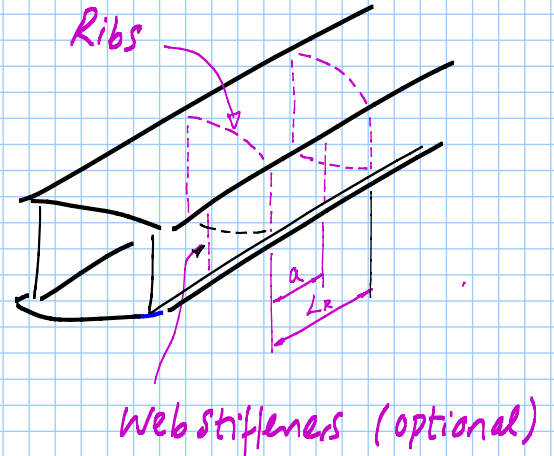
Also select:

Rib pitch $L_R = 200$ mm

Spar web stiffener pitch $a = 100$ mm



Estimate the box-spar outline geometry from the chosen aerofoil profile



TRIAL 5 $h/c = 15\%$

Dimensions:

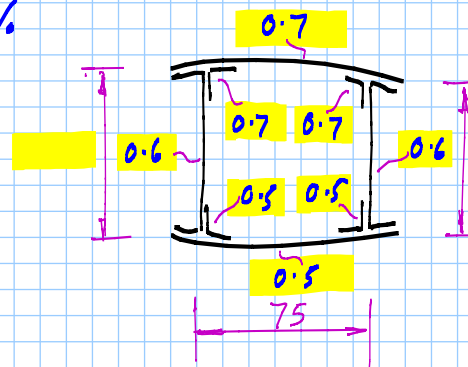
Section @ $x = \#$

eg. root wing bay etc.

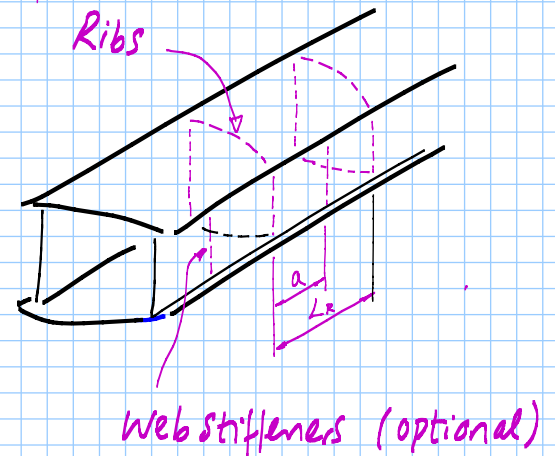
Also select:

Rib pitch $L_R = 300$ mm

Spar web stiffener pitch $a = 150$ mm



Estimate the box-spar outline geometry from the chosen aerofoil profile



TRIAL 6 $h/c = 20\%$

Dimensions:

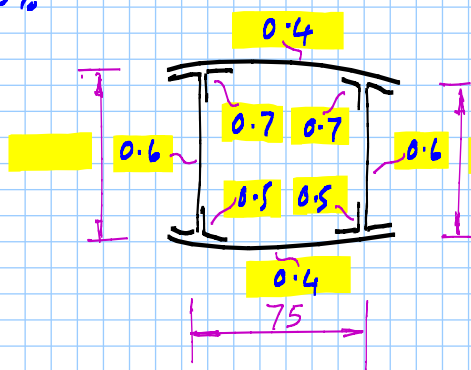
Section @ $x = \#$

eg. root wing bay etc.

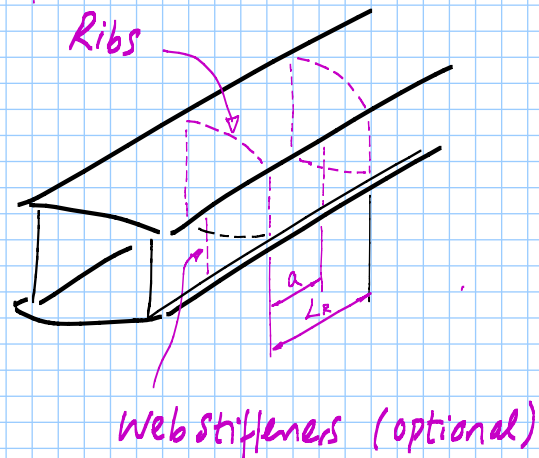
Also select:

Rib pitch $L_R = 150$ mm

Spar web stiffener pitch $a = L_R$ mm



Estimate the box-spar outline geometry from the chosen aerofoil profile



TRIAL 7 $h/c = 18\%$

Dimensions:

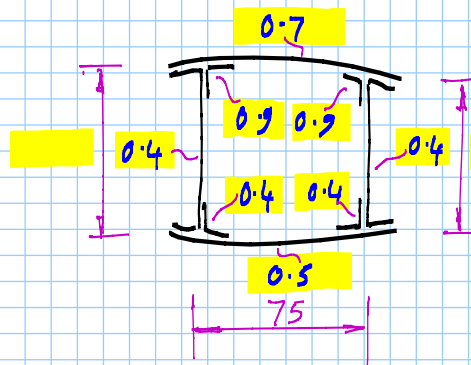
Section @ $x = \#$

eg. root wing bay etc.

Also select:

Rib pitch $L_R = 250$ mm

Spar web stiffener pitch $a = 125$ mm



Estimate the box-spar outline geometry from the chosen aerofoil profile

