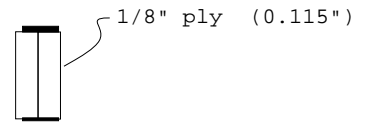
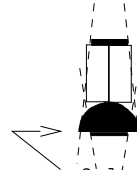
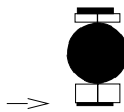
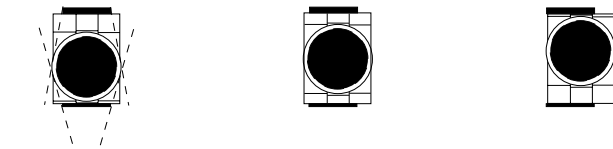


Allegro-Lite

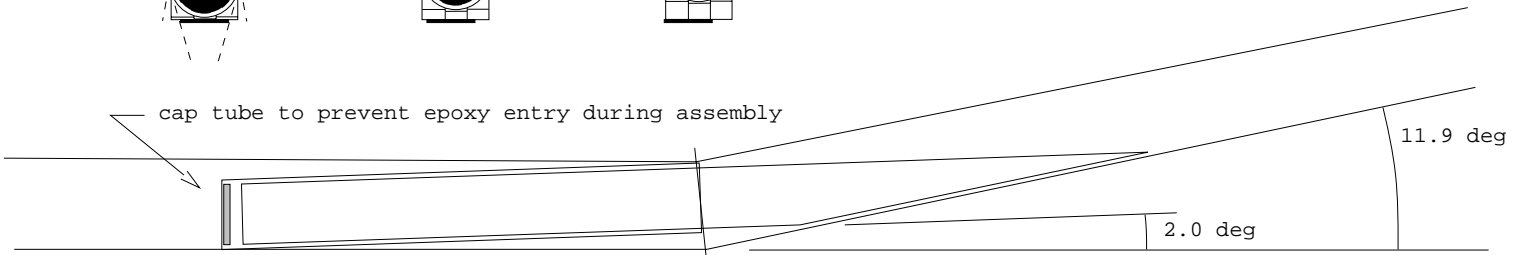
Wing Joiners and Angles (50% de-rated wing)

trim to rough hexagon shape,
fill any voids with epoxy.



2' layers CF mat, or 5 layers 2oz glass
between filler/rod and bottom sparcap.
Makes thick bondline, reducing stress
concentrations and peel failure.
Make this bond before mid-panel assembly.

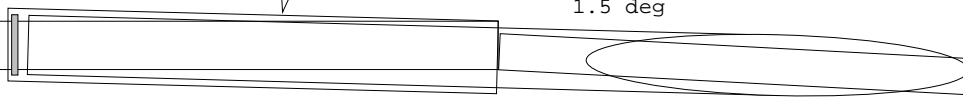
cap tube to prevent epoxy entry during assembly



6 layers +/-45 1.8 oz Kevlar, or 0.015" wall Al tube

1.5 deg

3.0 deg



bevel to make
perpendicular
to spar

trim ply filler after locating with
completed outer panel used as jig

cut carbon rod with carbide
or diamond Dremel cut-off disk
(wear dust protection)

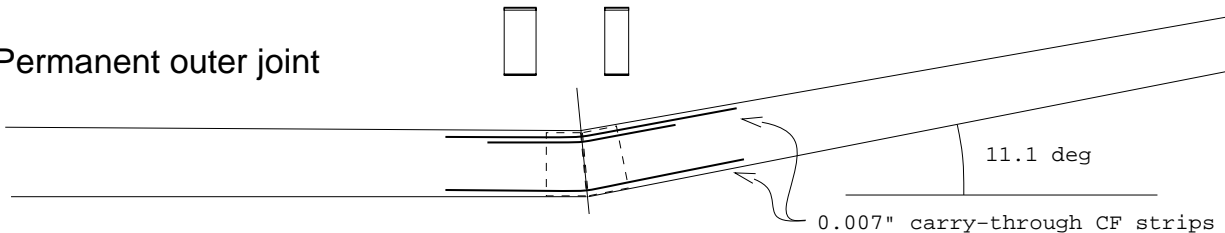
8mm (0.315") carbon rod

9.9 deg +/- 0.1 deg

3.00 in +/- 0.05 in

4.83 in +/- 0.05 inq

Permanent outer joint



endgrain basswood

Spar at tip

last rib

sparcaps go all the way to tip

extend with short lap joints
if stock spar caps are too short
(local stresses are very low)

