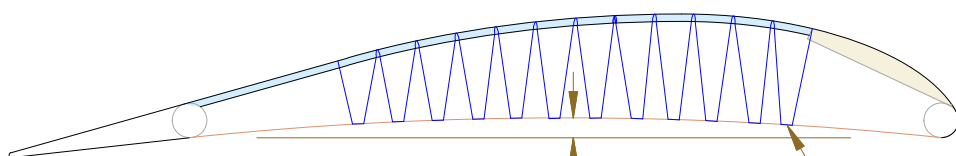


FABRIC ATTACHMENT TO INTERNAL STRUTS (BOTTOM SURFACE)

ON THE OUTBOARD & MIDFRAME STRUTS, SPIRAL WRAP THE STRUT & WOOD SLAT WITH FABRIC TAPE. WHEN THE LOWER SURFACE FABRIC IS IN ON, USE A CURVED NEEDLE & THREAD TO TACK SEW IT TO THE SPIRAL WRAPPED FABRIC ON THE STRUTS. RESULT: LOWER SURFACE FABRIC IS DIRECTLY STITCHED ONTO THE INTERNAL OR END STRUTS.

TAPERED BALSA WOOD SLAT, ABOUT 12 IN. LONG, 1/2 DEEP X 1/4 WIDE, ATTACH TO BOTTOM OF EACH END OF CHORDWISE STRUT WITH FLEXIBLE ADHESIVE. 6 PLACES PER WING PANEL.

RIB STITCHING TO INTERNAL RIBS FOR TENSIONING OF THE LOWER SURFACE

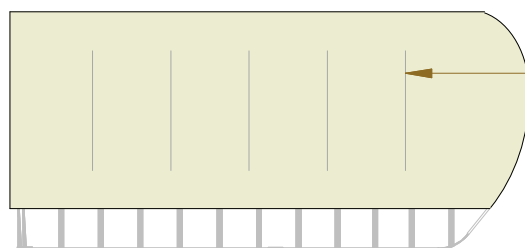


GREATEST UNDERCAMBER IS 3/4 TO 1 INCH DEEP

AIRCRAFT NEEDLE FOR RIB STITCHING, 12 INCH

UPPER SURFACE FABRIC ATTACHMENT, BY SPIRAL STITCHING

THROUGH THE FABRIC & AROUND THE 5 OR 6 INTERNAL RIB TUBES OF EACH OF THE 6 WING PANELS. USE A LONG NEEDLE & STRONG THREAD. SEW THE TOP SURFACE FABRIC TO THE WING RIBS FROM THE LEADING EDGE SHELL BACK ABOUT 24 INCHES. RESULT: LOWER SURFACE FABRIC UNDER THE RIBS IS TENSIONED BY STITCHING ONLY, THERE IS NO LOWER RIB STRUCTURE.



EACH OF 6 WING PANELS HAS 5 OR 6 INTERNAL RIBS WHERE THE LOWER SURFACE CAN BE TENSIONED BY RIB STITCHING. THE STITCHES ARE COVERED BY FABRIC TAPING FROM SPAR TO SPAR ON BOTH THE UPPER AND LOWER SURFACES.

B4A10

MAIN WING COVERING 1

BLOOP 4
ULTRALIGHT
AIRPLANE

M SANDLIN
OCTOBER 2
2021