

# LOCKHEED 1649 STARLINER

44" WINGSPAN | DRAWN FROM 3 VIEW ON THE INTERNET

BY TOM AKERY | 28 MARCH 2015

FREE USE FOR MEMBERS OF STICK AND TISSUE AND HIP POCKET AERONAUTICS

RUBBER POWERED FREE FLIGHT MODEL

CHECK OUT STICKANDTISSUE.COM AND HIPPOCKETAERONAUTICS.COM (ALL LOWER CASE)

NOT FOR RESALE

TURBO PROP NACELLES FOR NAVY R7V2 USAF YC121F

PLAN VIEW

SCALE DIMENSIONS

ENLARGED DIMENSIONS

TRAILING EDGE 3/32 X 1/4 BALS

LEADING EDGE 3/32 SQ

NACELLE  
BOTTOM  
OUTLINE

NACELLE  
TOP OUTLINE  
OVER WING

TOP VIEW

$$\text{Average Chord} = (\text{Root Chord} + \text{Tip Chord}) \div 2$$

$$\text{Wing Area} = \text{Wing Span} \times \text{Average Chord}$$

$$\text{Bill McComb's Tail Volume Coefficient/Starting CG Formulae}$$

$$\text{Tvo} = \text{Stab area} / \text{wing area} \times \text{tail moment arm (length from wing L.E. to stab L.E.)} / \text{wing avg. chord}$$

$$\text{CG (\%)} = 16 + [\text{Tvo} \times 36]$$

SLICED RIB OR CRACKED RIB CONST.  
IF CRACKED RIB DELETE REAR SPAR - TRUSS TO T.E.

CG STARTING POINT

WINDOW POSITION ON BOTH SIDES RIGHT SIDE DOOR IN DOTTED LINE

COVL 1/8"  
BALSA LAMINATED  
CROSS GRAIN  
HOLLOW OUT AT  
DOTTED LINES  
SIDE VIEW

LAMINATION OF TWO 3/32" SHEETS  
CROSS GRAIN