

MODEL L-21A

E-2b(1)(b). Limit Landing Factors:

E-2b(1)(b)(1). Landplane or Ground Landings: 2.897

E-2b(1)(c). Limit Diving Speed: 165 MPH
107.8% High Speed

E-2c. Detail Design:

E-2c(1). Wing Group: Monoplane, High Wing.

E-2c(1)(a). Airfoil Section Designation:
Root ... USA35B (Mod.) Tip ... USA35B (Mod.)

E-2c(1)(b). Dimensions:

Wing Area	178.5 sq. ft. Includes Center Section
Span	35 ft. 2 1/2 in.
Root Chord	5 ft. 3 in.
Tip Chord	5 ft. 3 in.
Taper Ratio	One
Incidence	Root 2° 2'
Incidence	Tip -1°
Dihedral	Front Spar 0° 36' 36"
Sweepback	(L.E.) None
Max. Rib Spacing	16 5/8"
Spar Locations	Front: 9 in. aft W.L.E. Rear: 40 in. aft W.L.E.
Aspect Ratio	6.944
Mean Aerodynamic Chord, Length:	5 ft. 1 1/2 in.
location relative to L.E. with respect to root chord (root chord is 16.25 inches from plane of symmetry).	
Horizontal:	.4 in. aft and 94.37 in. outboard.

угол атаки корневая часть
угол атаки край

E-2c(1)(c). Wing Construction. The wing consists of an externally braced high wing monoplane structure incorporating