

RC PLANE DESIGN REPORT

WING DESIGN

Span (mm)	1600.000
Aspect Ratio (AR)	5.000
Wing Area (mm ²)	512000.000
Wing Area (m ²)	0.5120
Mean Aero Chord (MAC) (mm)	320.000
Root Chord (Cr) (mm)	320.000
Tip Chord (Ct) (mm)	320.000

EMPENNAGE

Horizontal Stabilizer (HS)

HS Area (mm ²)	102400.000
HS Span (mm)	715.542
HS Root (mm)	178.885
HS Tip (mm)	107.331
Elevator Area (mm ²)	51200.000

Vertical Stabilizer (VS)

VS Area (mm ²)	51200.000
VS Span (mm)	320.000
VS Root (mm)	200.000
VS Tip (mm)	120.000
Rudder Area (mm ²)	25600.000

FUSELAGE

Fuselage Length (mm)	1200.000
Fuselage Height (mm)	180.000

CG & STATIC MARGIN

Neutral Point (%MAC)	25.000%
CG (%MAC)	20.000%
Static Margin (%MAC)	5.000%
NP position (mm from MAC LE)	80.000
CG position (mm from MAC LE)	64.000