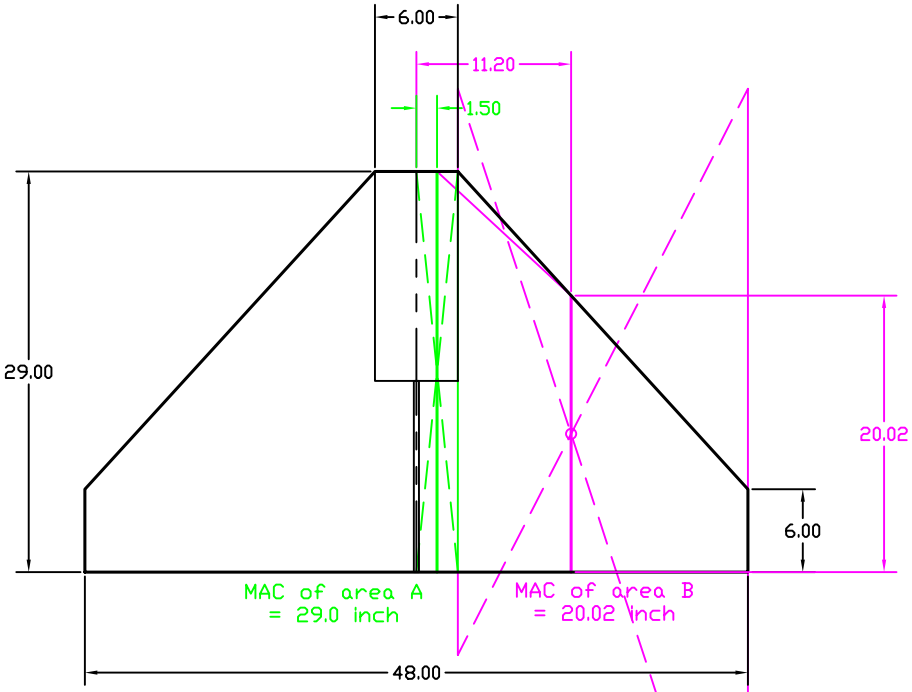

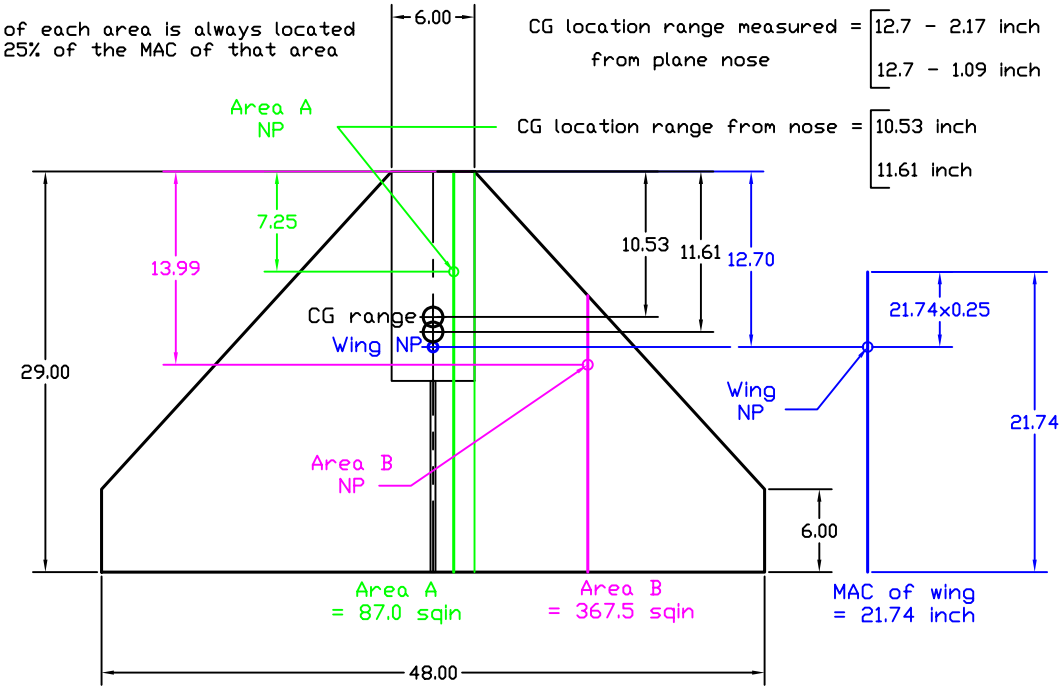

Wing CG should be located at 15 to 20% of the wing MAC, which equals 10 to 5% forward of wing NP

CG location range along wing MAC = (forward of NP)
- 0.10 x 21.74 inch
- 0.05 x 21.74 inch

CG location range along wing MAC = (forward of NP)
- 2.17 inch
- 1.09 inch

Wing NP location = [(Area A x NP location area A) + (Area B x NP location area B)] / (Area A + Area B)

Wing NP location = [(87.0 x 7.25) + (367.5 x 13.99)] / (87.0 + 367.5)

Wing NP location = 12.70 inch from nose

Wing MAC = [(Area A x MAC of area A) + (Area B x MAC of area B)] / (Area A + Area B)

Wing MAC = [(87.0 x 29.00) + (367.5 x 20.02)] / (87.0 + 367.5)

Wing MAC = 21.74 inch