

FORWARD CG LIMITS

AFT CG LIMITS

148.1 in

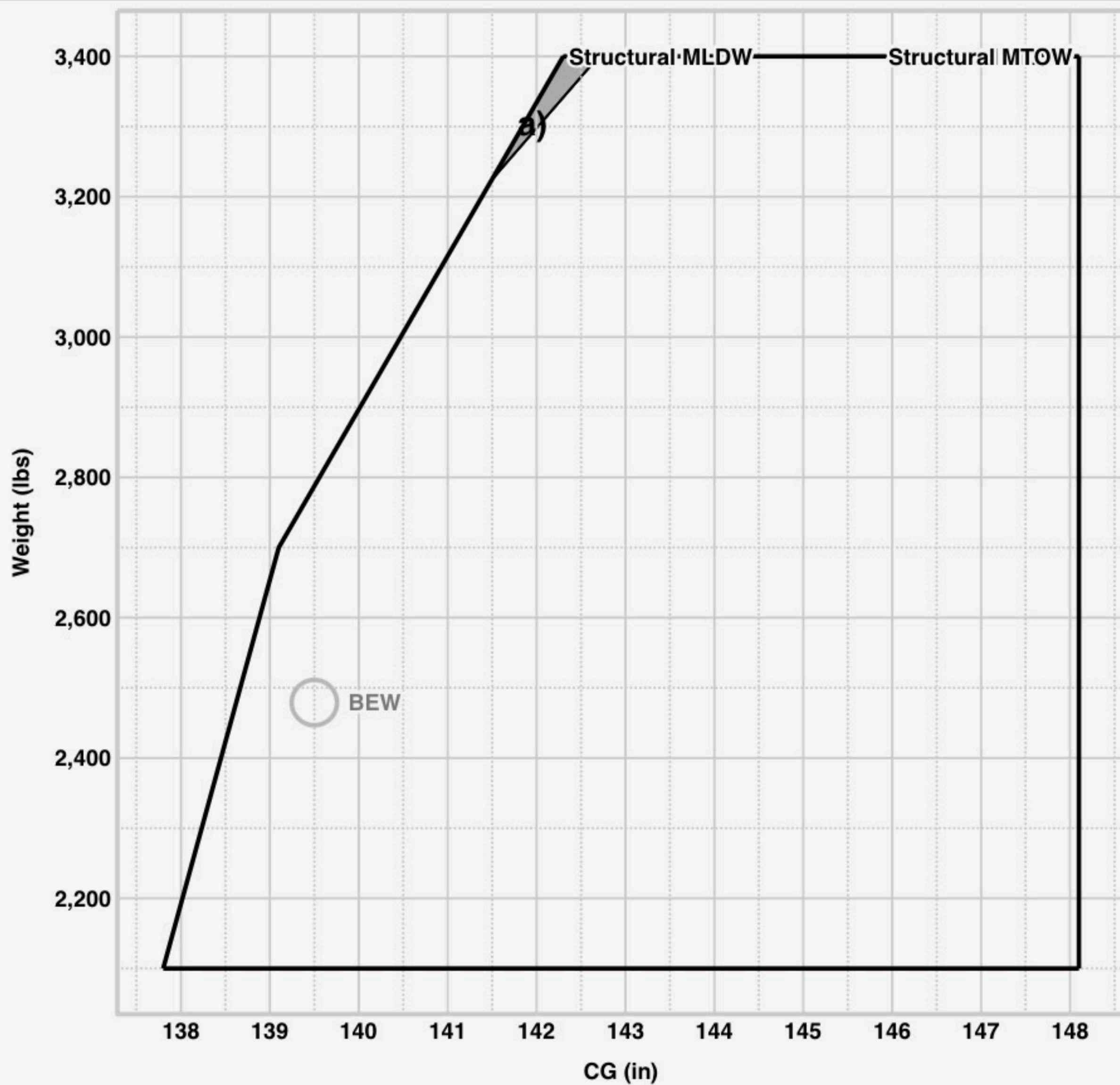
2,100 lbs

148.1 in

3,400 lbs

Add Aft Limit

ENVELOPE PREVIEW



a) Landing Limitation Zone

Use %MAC



Gear Retraction Moment Change

0 in-lbs

Basic Empty CG

139.5 in

Basic Empty Weight

2479 lbs

STATIONS

 Front Seats

2 Seats

143.5 in >

 TKS Anti-Ice Fluid

Limit 75 lbs

148 in >

 Rear Seats

3 Seats

180 in >

 Tail Compartment

Limit 130 lbs

208 in >

 Oxygen

Limit 20 lbs

265.3 in >

 Fuel Tanks

Limit 552 lbs

154.9 in >

[Add Station](#)

FORWARD CG LIMITS

142.3 in

3,400 lbs

139.1 in

2,700 lbs

137.8 in

2,100 lbs

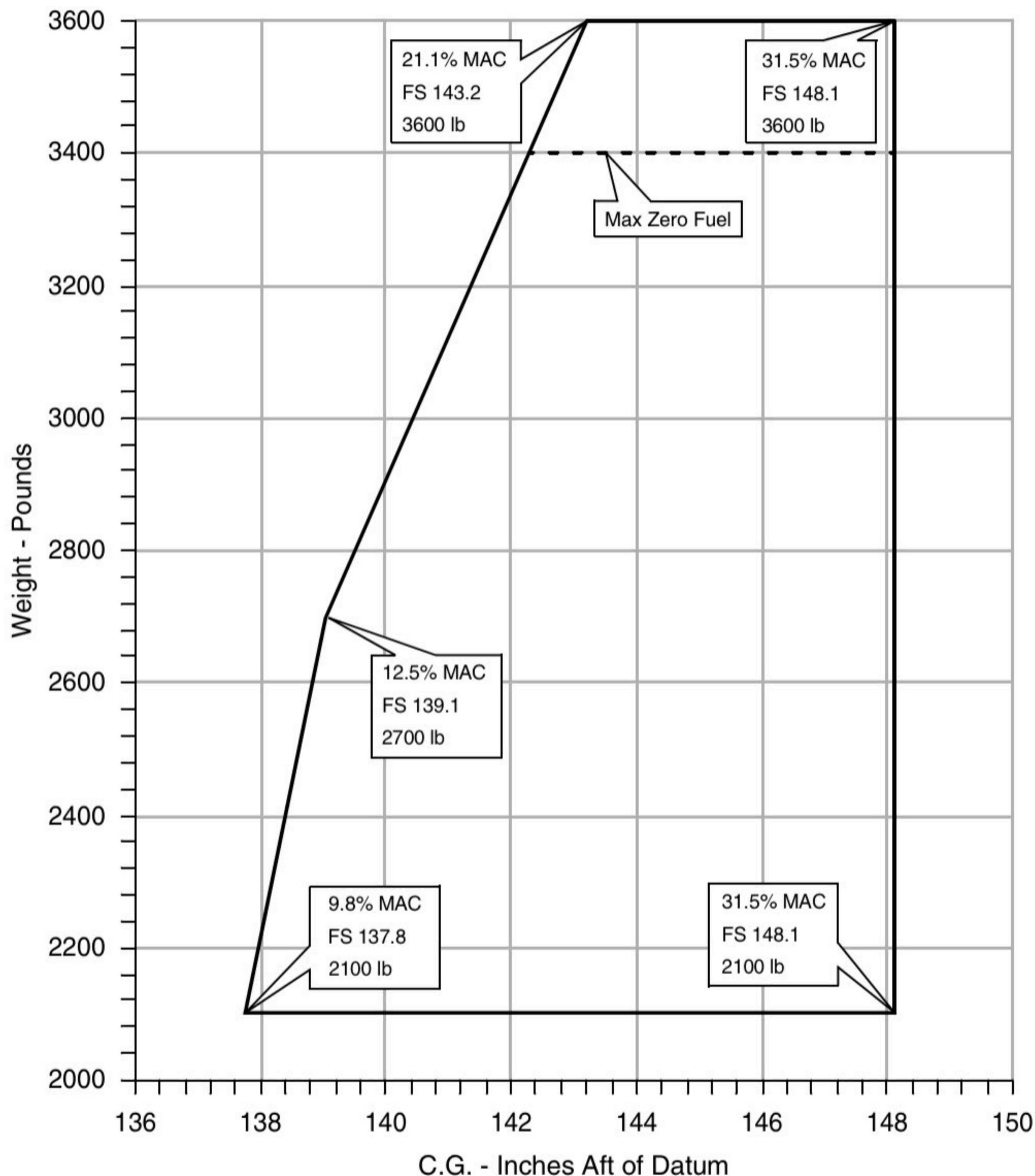
Center of Gravity Limits

Reference Datum 100 inches forward of firewall

Forward Refer to [Figure 2-1](#)

Aft..... Refer to [Figure 2-1](#)

Figure 2-1: Center of Gravity Envelope



SR22_FM02_5317A

FORWARD LIMIT - The forward limit is FS 137.8 (9.8% MAC) at 2100 lb, with straight line taper to FS 139.1 (12.5% MAC) at 2700 lb, to FS 143.2 (21.1% MAC) at 3600 lb.
AFT LIMIT - The aft limit is FS 148.1 (31.5% MAC) at all weights from 2100 lb to 3600 lb.