

Revision: 0

Date: ~~07/10/09~~

RV-12 WEIGHT & BALANCE WORKSHEET

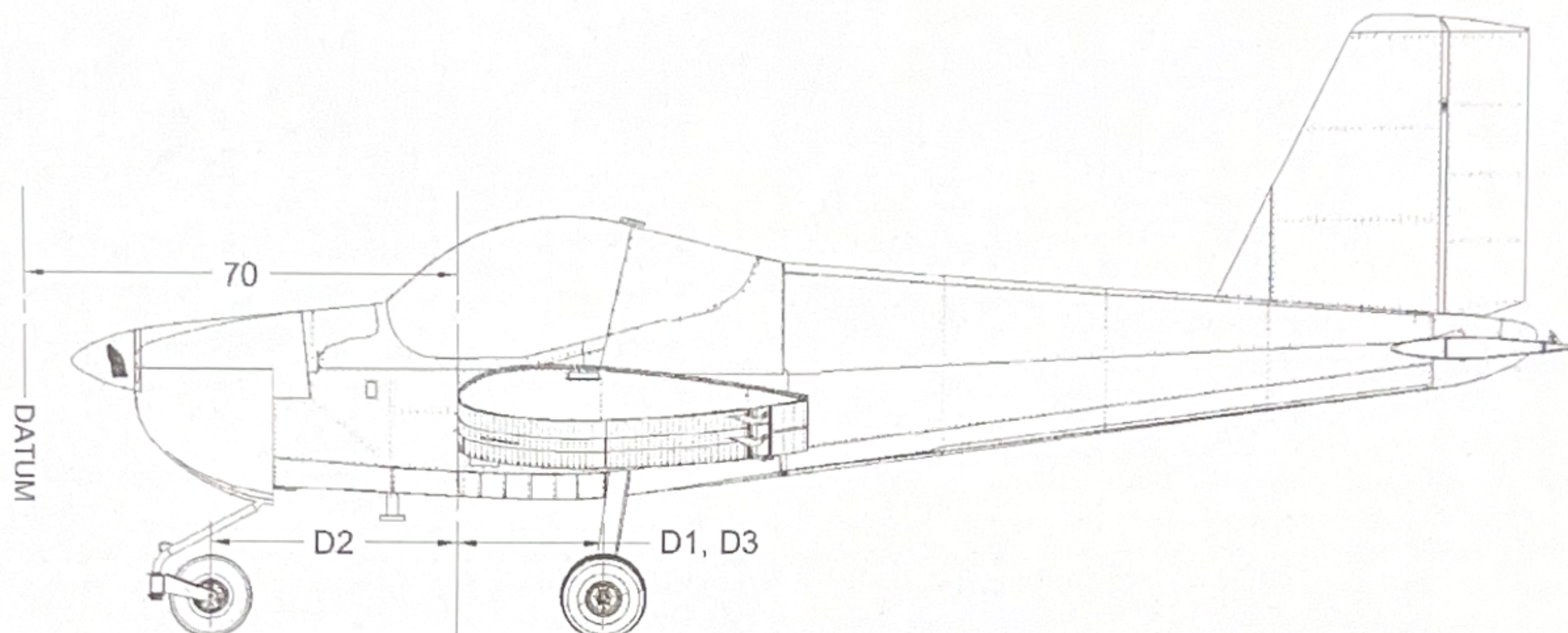
AIRCRAFT: N308VA (registration)
12071 (serial number)DATE: 3/28/2025

TABLE 1

	LEFT WHEEL	NOSE WHEEL	RIGHT WHEEL
WEIGHT	$\frac{313}{(W1)}$ lb	$\frac{139.5}{(W2)}$ lb	$\frac{325.5}{(W3)}$ lb
DISTANCE FROM AXLE CENTER TO LEADING EDGE	$\frac{23.5}{(D1)}$ inches	$\frac{40.5}{(D2)}$ inches	$\frac{23.5}{(D3)}$ inches

TABLE 2

	WEIGHT	ARM	MOMENT
LEFT WHEEL	$\frac{313}{(W1)}$ lb	$(70 + \frac{23.5}{(D1)}) = \frac{93.5}{(A1)}$ inches	$(\frac{313}{(W1)}) * (\frac{93.5}{(A1)}) = \frac{29265.5}{(M1)}$ in-lb
NOSE WHEEL	$\frac{139.5}{(W2)}$ lb	$(70 - \frac{40.5}{(D2)}) = \frac{29.5}{(A2)}$ inches	$(\frac{139.5}{(W2)}) * (\frac{29.5}{(A2)}) = \frac{4115.25}{(M2)}$ in-lb
RIGHT WHEEL	$\frac{325.5}{(W3)}$ lb	$(70 + \frac{23.5}{(D3)}) = \frac{93.5}{(A3)}$ inches	$(\frac{325.5}{(W3)}) * (\frac{93.5}{(A3)}) = \frac{30434.25}{(M3)}$ in-lb

EMPTY WEIGHT = $\frac{778}{(W1 + W2 + W3)}$ lb EMPTY ARM = $\frac{82.02}{(\text{Empty Moment} / \text{Empty Weight})}$ inches

EMPTY MOMENT = $\frac{63815.0}{(M1 + M2 + M3)}$ in-lb

Aircraft measured, weighed, and worksheet filled-out by: Hannah LagnoSignature: Hannah Lagno printed name

ATP 3689545