Datos ascensor tomados:

mp= nx 75kg

HOJA N° Z

Asumiendo tomas (carpamaxima) Sobrendo pue X (35) = 4m 1 V (35) = 0 m (4: 22A+9B => (Az-0,2863 m 0: 27A+6B => (B: 1,333 @) X(6) = 0,2963 m t3 + 1,33330 £2 N=12 persons V(t)z-0,8889 m. 22 + 2,6663 m+ Irz35 2(4) z -1,7778 m + 2,6664 m Asumiendo corpo minima, solo la cobina F= Mmax. 2min = 1350 kg x 2,6667 m = 3600 N F = Mmin . a max => 2 max = F = 3600N = 800 52 Recolardo A para ajustar la altura final, teniendo en overta que ahora B= F = 4m = 4m (4m. A.te3 + 4te2 => (tr. V3 = 1, 7321 s => ) Om. 3Atp2 + 8te => (A = 8 = -1,5396 M 53  $\begin{array}{c} (X_{(4)} = -1,5396 \text{ M} + \frac{3}{53} + \frac{4 \text{ m}}{52} + \frac{2}{52}) \\ (Y_{(4)} = -4,6188 \text{ M} + \frac{2}{53} + 8 \text{ m} + \frac{2}{52} \\ (2(4) = -9,2376 \text{ M} + \frac{2}{53} + 8 \text{ m} + \frac{2}{52}) \end{array}$ n = o personas

NOTA

Asum endo carga media, n = 6 personas

F = M max 2 min = 1350 kg x 2,6667 0 = 3600 N

F. Mn6.2 n6 => 2062 F = 3600N = 4 M Mn6 900kg 52

Recolculando A para ajustar la altura Final, teniendo en cuenta que ahora B. F. = 2M 2m = 52

(4m = A. te3 + 2te2 => { te = \( \sigma \) = 2,44955 0\(\mathread{\text{m}}\), 3A te2 + 4 te = \( \lambda \) \( \frac{1}{3}\) = \( \frac{1}\) = \( \frac{1}{3}\) = \( \frac{1}{3}\) = \( \frac{1}{3}\) = \

 $X(t) = -0.5443 \, \text{m} \cdot t^3 + 2 \, \text{m} \cdot t^2$   $V(t) = -1.6329 \, \text{m} \cdot t^2 + 9 \, \text{m} \cdot t$   $2(t) = -3.2658 \, \text{mt} + 9 \, \text{m}$   $5^2$ 

Nz 6 personas