3.1.7 Earthquake Loads

$I_{FE} = 1.00$ (50 Years)

$I_{FMV} = 1.00$ (50 Years)

Using Stiff soil ⇒ D

0,4g = Ss or S1

a) 0,4g = Ss → Fa ≃ 1,45 (Table 3-12)

b) 0,4g = S1 → Fv ≃ 1,6 (Table 3-13)

$S_{DS} = \frac{2}{3} \cdot 1,45 \cdot 0,4g = 3,8N$

$S_{D1} = \frac{2}{3} \cdot 1,6 \cdot 0,4S = 4,2N$

Sa = SDS

3.1.7.1. Structure Earthquake loads

$F_E = \frac{S_a}{R} \cdot W (I_{FE})(I_{MV})$

$F_E = \frac{3,8}{3} \cdot W \cdot 1,0 \cdot 1,0 = 1,27 \cdot W$

W = Dead Load

Could I apply this 1,27 factor to all exceptional loads?
I have 8 types of load and 5 types are exceptionals.
If I multiply 1,27 x LTV of each type of load,
could be correct?

Thanks