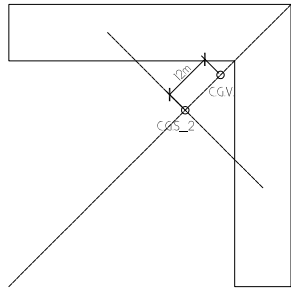
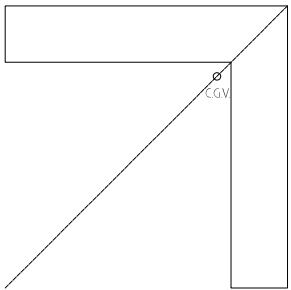


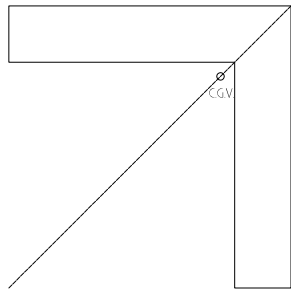
DESFASSAMENT ENTRE CENTRES D'ESTABILITAT



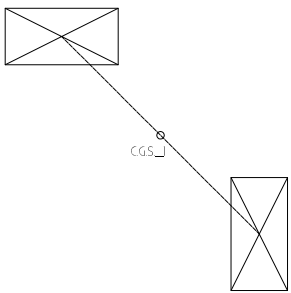
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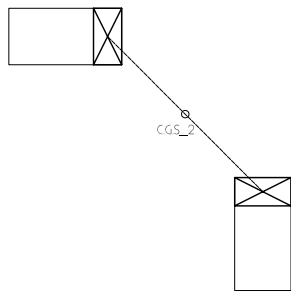
CENTRE DE GRAVETAT EDIFICI EN VOLADÍS



CENTRE DE GRAVETAT EDIFICI EN VOLADÍS



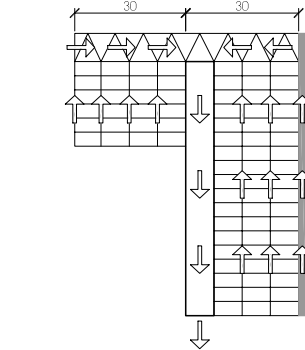
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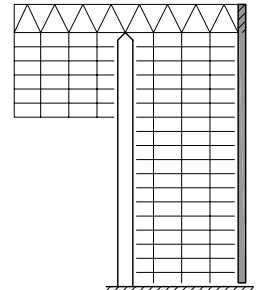
NUCLIS RÍGIDS DE DESCENS DE CÀRREGUES

ESTABILITAT GEOMÈTRICA INICIAL

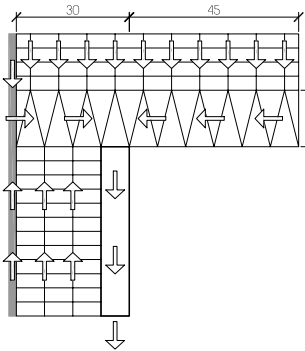
APROPAMENT DELS C.D.G



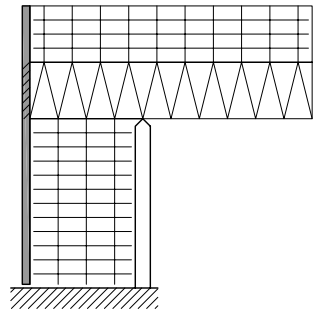
EQUILIBRI VOLADÍS DE 30m



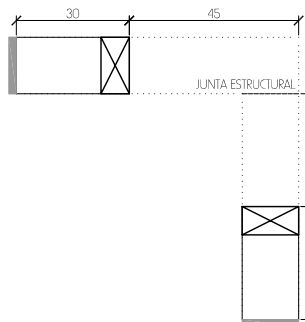
ESQUEMA DE NUSOS VOLADÍS 30m



EQUILIBRI VOLADÍS DE 45m



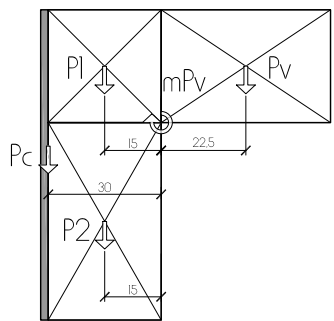
ESQUEMA DE NUSOS VOLADÍS 45m



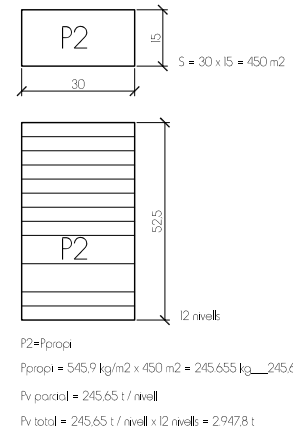
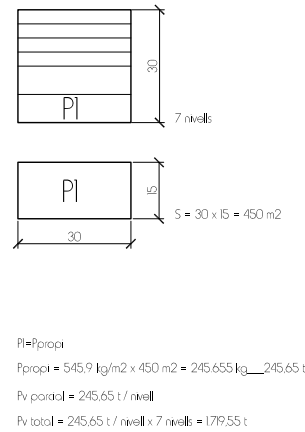
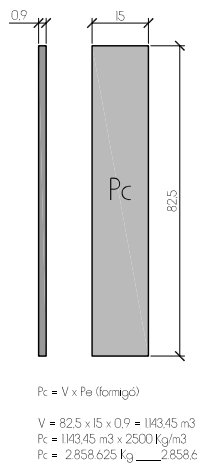
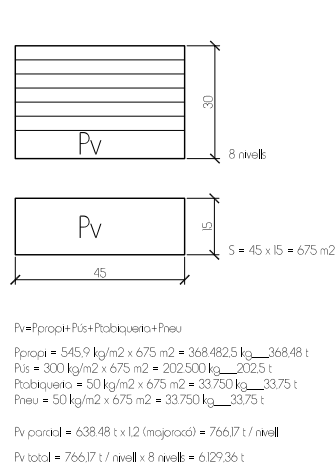
CONTRAPESOS EN LES FAÇANES OPOSADES

EQUILIBRI DE CÀRREGUES

NUSOS

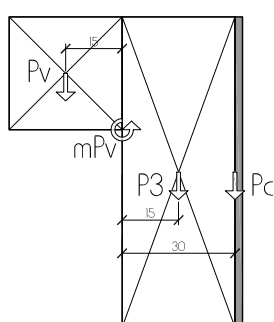


ESTABILITAT VOLADÍS 45m

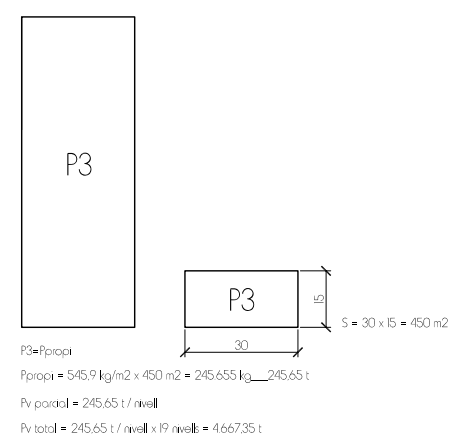
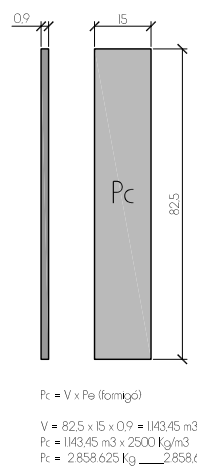
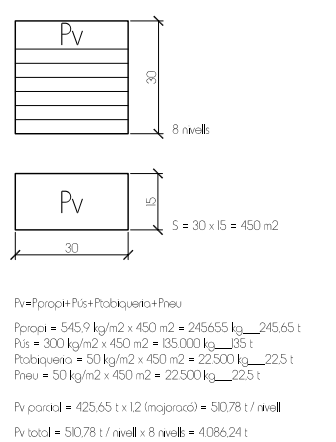


EQUILIBRI FORCES VERTICALS
 $P_v < P_c + P_1 + P_2$
 $P_c + P_1 + P_2 = 2.947.8 \text{ t} + 1.719.55 \text{ t} + 2.858.6 \text{ t}$
 $P_c + P_1 + P_2 = 7.525.95 \text{ t}$
SEGURETAT = $7.525.95 / 6129.40 = 1.2$

EQUILIBRI MOMENTS
 $mP_v < mP_c + mP_1 + mP_2$
 $mP_v = 6129.36 \times 22.5 \text{ m} = 137.900.6 \text{ mt}$
 $mP_1 = 1.719.55 \times 15 \text{ m} = 25.793.25 \text{ mt}$
 $mP_2 = 2.947.8 \times 15 \text{ m} = 44.217 \text{ mt}$
 $mP_c = 2.858.6 \times 30 \text{ m} = 85.740 \text{ mt}$
 $mP_c + mP_1 + mP_2 = 155.750.25 \text{ t}$
SEGURETAT = $155.750.25 / 137.900.6 = 1.13$



ESTABILITAT VOLADÍS 30m



EQUILIBRI FORCES VERTICALS
 $P_v < P_c + P_3$
 $P_c + P_3 = 4.667.35 \text{ t} + 2.858.6 \text{ t}$
 $P_c + P_3 = 7.525.95 \text{ t}$
SEGURETAT = $7.525.95 / 4086.24 = 1.8$

EQUILIBRI MOMENTS
 $mP_v < mP_c + mP_3$
 $mP_v = 4086.24 \times 15 \text{ m} = 61293.6 \text{ mt}$
 $mP_3 = 4.667.35 \times 15 \text{ m} = 70010.25 \text{ mt}$
 $mP_c = 2.858.6 \times 30 \text{ m} = 85.740 \text{ mt}$
 $mP_c + mP_3 = 155.750.25 \text{ t}$
SEGURETAT = $155.750.25 / 61293.6 = 2.5$