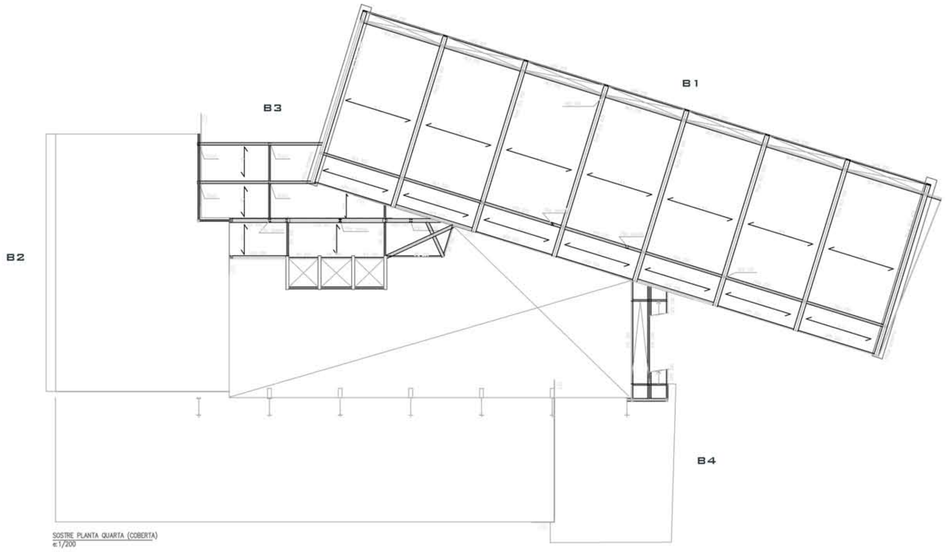


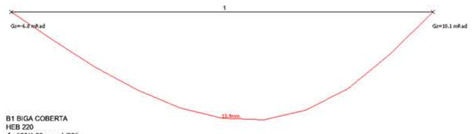
ZONA: Coberta B2
TIPUS DE FORJAT:Pendent Bongar 35mm (kg.)
ESTAT DE CARREGADA: Pes Propi 1,05kN/m2
Càrregues Permanents= 0,05kN/m2
Sobrecàrrega d'Ús= 1,00kN/m2
Sobrecàrrega de neve= 0,45kN/m2
TOTAL= 2,45kN/m2

ZONA: Coberta B3
TIPUS DE FORJAT: NAPA COLLABORANT (v.c) e=4cm (Ed4)
ESTAT DE CARREGADA: Pes Propi 3,70kN/m2
Càrregues Permanents= 1,25kN/m2
Sobrecàrrega d'Ús= 1,00kN/m2
Sobrecàrrega de neve= 0,45kN/m2
TOTAL= 6,40kN/m2

ZONA: Coberta B1
TIPUS DE FORJAT: NAPA COLLABORANT e=20cm (Ed4+R)
ESTAT DE CARREGADA: Pes Propi 4,20kN/m2
Càrregues Permanents= 2,15kN/m2
Sobrecàrrega d'Ús= 3,00kN/m2
Sobrecàrrega de neve= 0,45kN/m2
TOTAL= 10,20kN/m2

BIGA COBERTA B1

Accions



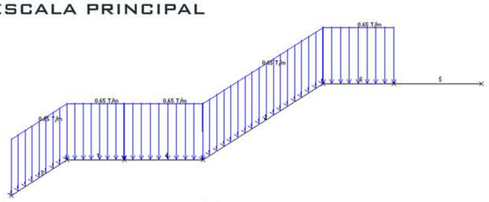
Deformacions

B1 BIGA COBERTA
HEB 220
f = 5001,39 cm = L/395

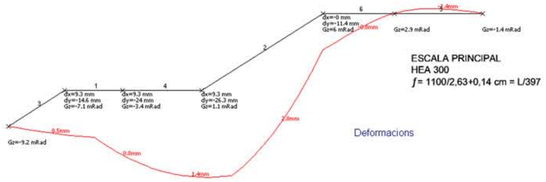
M*max/ Wx= 10,20 · 10 x 1,5/ 736= 2078,8 < 2600 kg/cm²

V*/ A ànima = 9,20 · 10³ x 1,5/ 0,95x 15,2 = 955,6 kg/cm² < 1500

ESCALA PRINCIPAL

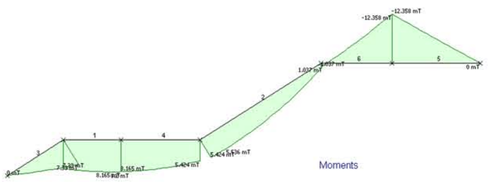


Accions

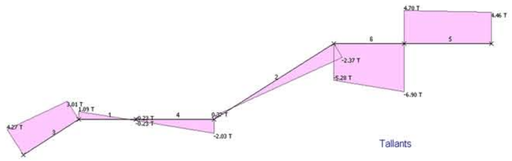


Deformacions

ESCALA PRINCIPAL
HEA 300
f = 1100/2,63+0,14 cm = L/397



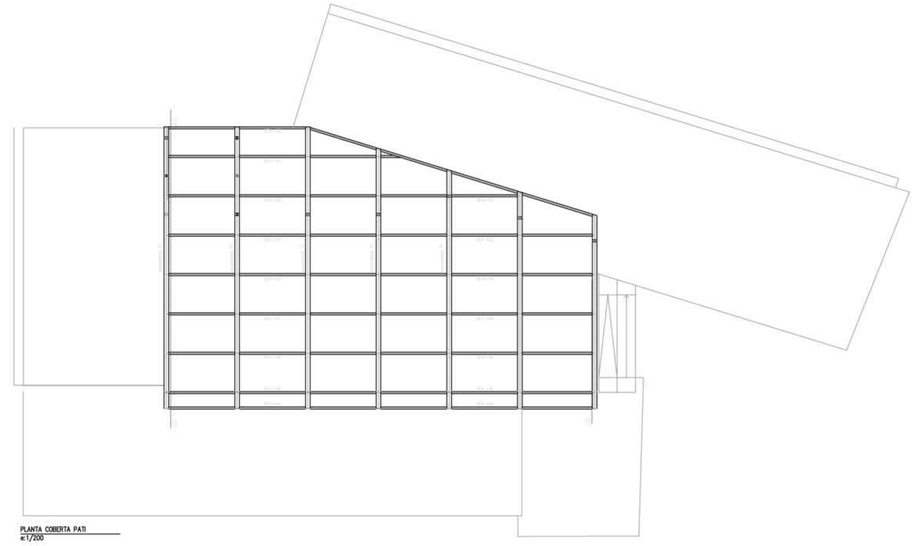
Moments



Tallants

HEA 300
M*max/ Wx= 12,35· 10 x 1,5 / 1260= 1470< 2600 kg/cm²

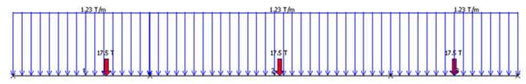
V*/ A ànima = 6,9 · 10³ x 1,5/ 0,85 x 20,8 = 585 kg/cm² < 1500



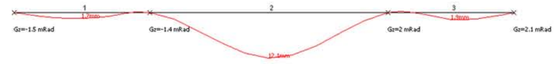
PLANTA COBERTA PATI
e:1/200

ZONA: Coberta Pati
TIPUS DE FORJAT: Dos possibles solució:Xapa
ESTAT DE CARREGADA: Pes Propi 0,20kN/m2
Càrregues Permanents= 1,40kN/m2
Sobrecàrrega d'Ús + neve= 1,00kN/m2
TOTAL= 2,60kN/m2

BIGA CENTRE COBERTA B3

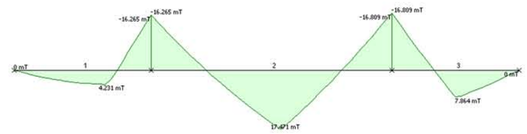


Accions

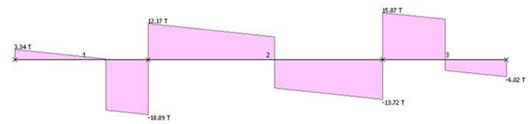


Deformacions

B3 BIGA CENTRE COBERTA
HEB 260
f = 634/1,21 cm = L/523



Moments

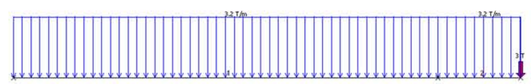


Tallants

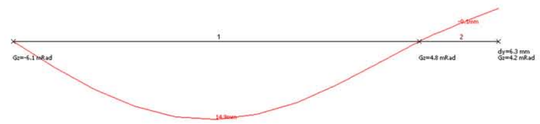
HEB 260
M*max/ Wx= 17,47 · 10 x 1,5 / 1150= 2278,6 < 2600 kg/cm²

V*/ A ànima = 18,89 · 10³ x 1,5/ 1 x 17,7 = 1600 kg/cm² > 1500
reforç a l'ànima amb pletina e=6mm

BIGA CENTRE B4



Accions



Deformacions

B4 BIGA CENTRE
BOYD IPN 360
f = 771/1,49 cm = L/517

HEB 360
M*max/ Wx= 20,11· 10 x 1,5 / 1608= 1875,9 < 2600 kg/cm²

V*/ A ànima = 13,51 · 10³ x 1,5/ 1,3 x 28 = 556,7 kg/cm² < 1500