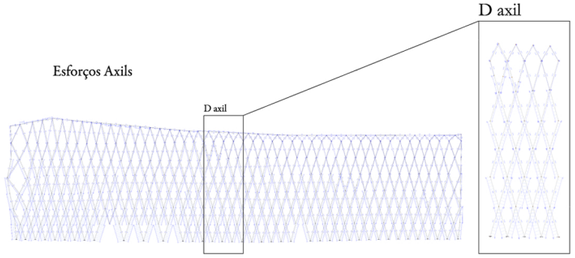
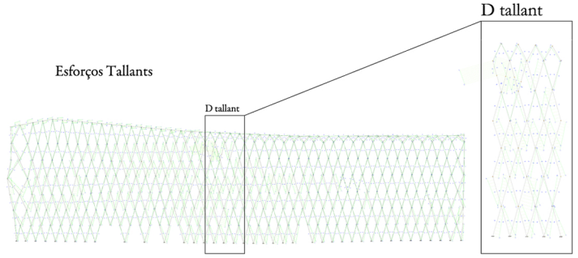
Façana Exterior SUD

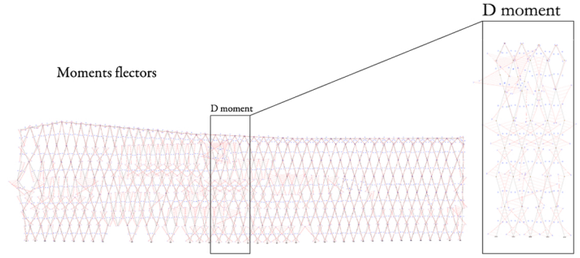
Esforços Axils



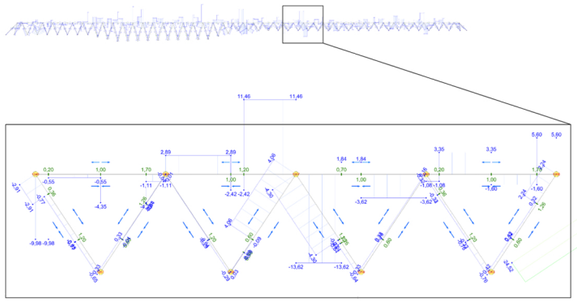
Esforços Tallants

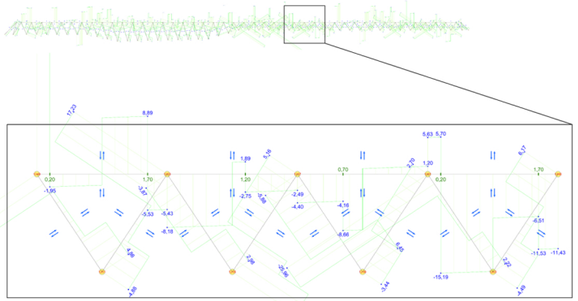


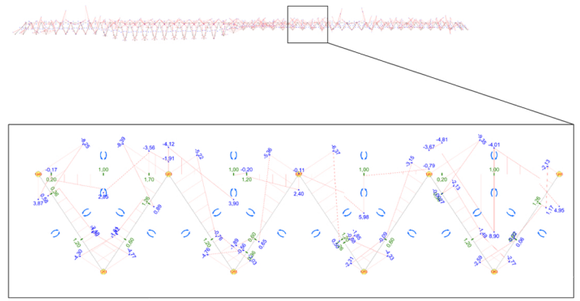
Moments flectors



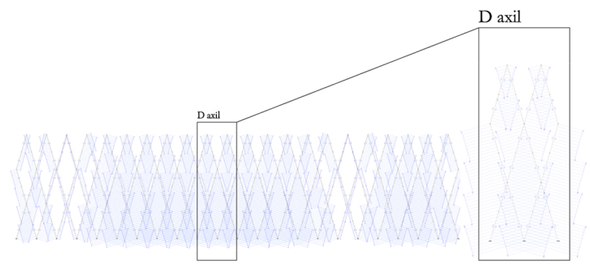
Warren SUD

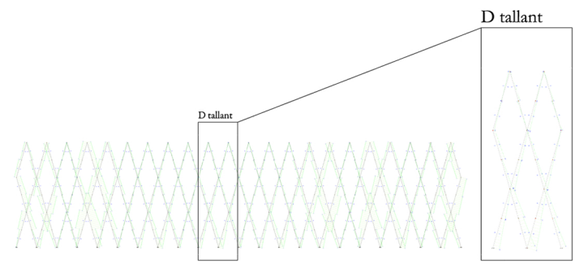


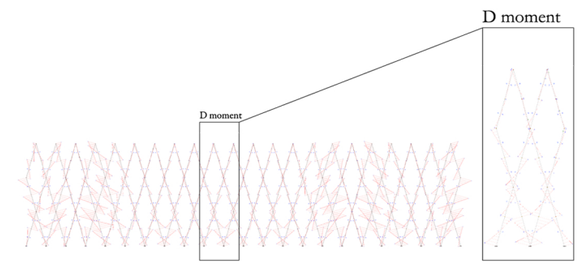




Façana Interior SUD







FAÇANA EXTERIOR

τ pc = 125,8 HEB 120

τ p4 = 200,6 HEB 120

τ p3 = 205.9 HEB 140

τ p2 = 218,4 HEB 160

τ p1 = 215,4 HEB 180

τ pt = 220,5 HEB 200

τ pb = 210,4 HEB 220

WARREN CORDÓ

τ p4 = 145,9 HEB 240

τ p3 = 130,1 HEB 240

τ p2 = 128,2 HEB 240

τ p1 = 128,3 HEB 240

τ pt = 123,5 HEB 240

τ pb = 125,6 HEB 240

WARREN DIAGONALS

τ p4 = 182,8 HEB 120

τ p3 = 180,5 HEB 120

τ p2 = 192,6 HEB 120

τ p1 = 179,4 HEB 120

τ pt = 182 HEB 120

τ pb = 185,6 HEB 120

FAÇANA INTTERIOR

τ p4 = 236,2 HEB 120

τ p3 = 236,7 HEB 140

τ p2 =239,8 HEB 160

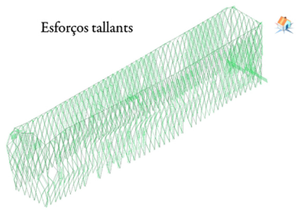
τ p1 = 245,2 HEB 180

τ pt = 234,3 HEB 200

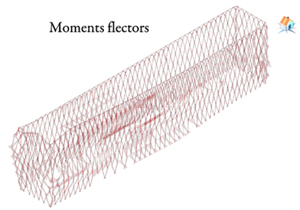
τ pb = 221,5 HEB 220

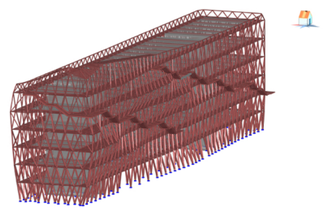
Model Edifici complet

Esforços tallants



Moments flectors





ESTRATÈGIES SUPORT

Càlcul Estructural pel predimensionat

Façana SUD
Mòdul estructural 1:1:2

Axils
Tallants
Moments
Deformades

BIGA CENTRAL

def max = 1,76 τ p4 = 195,6 HEM 400

def max = 1,95 τ p3 = 127,7 HEM 340

def max = 2,14 τ p2 =125,7 HEM 340

def max = 2,32 τ p1 = 127,9 HEM 340

def max = 2,45 τ pt = 125,6 HEM 340

def max = 2,39 τ pb = 180,4 HEM 360

* Procedimientos UNO
(Programa de càlcul emperat)

Els perfils HEB ténen la limitació per tensió.

Les bigues HEM ténen la limitació per deformació.

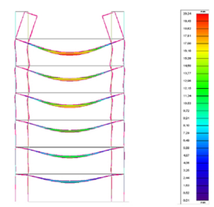
def adm = 1/400 de la llum = 2,5 cm

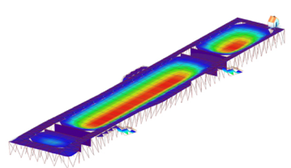
τ Tensió tangencial màxima [N/mm²]

τ màx adm. = 261,9 N/mm²

τ màx adm. = 252,4 N/mm²

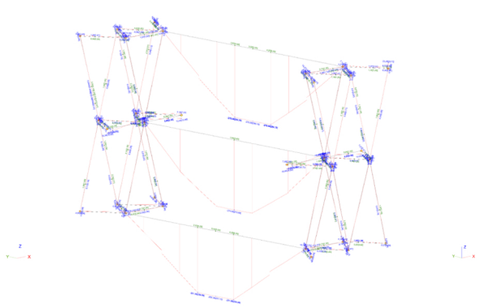
ACER
S275JR



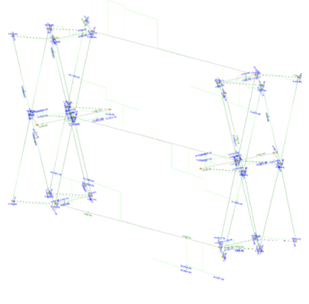


1
Mòdul Estructural

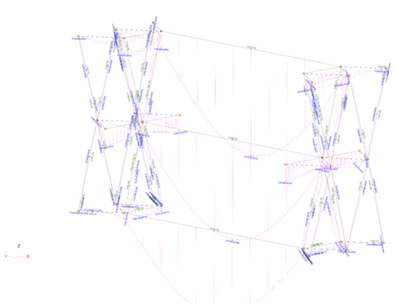
Deformada



Esforços tallants



Moments flectors



Axonometria