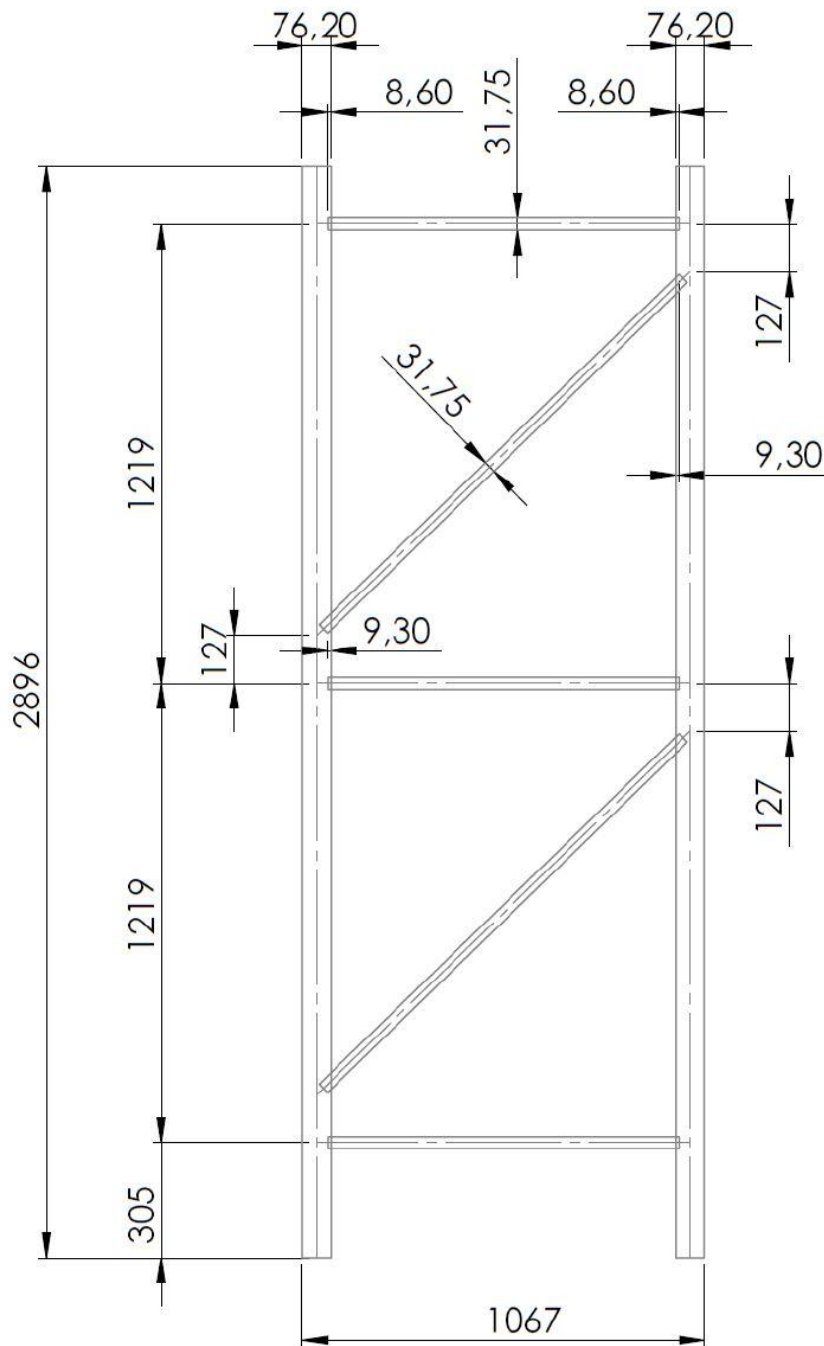


Sumari

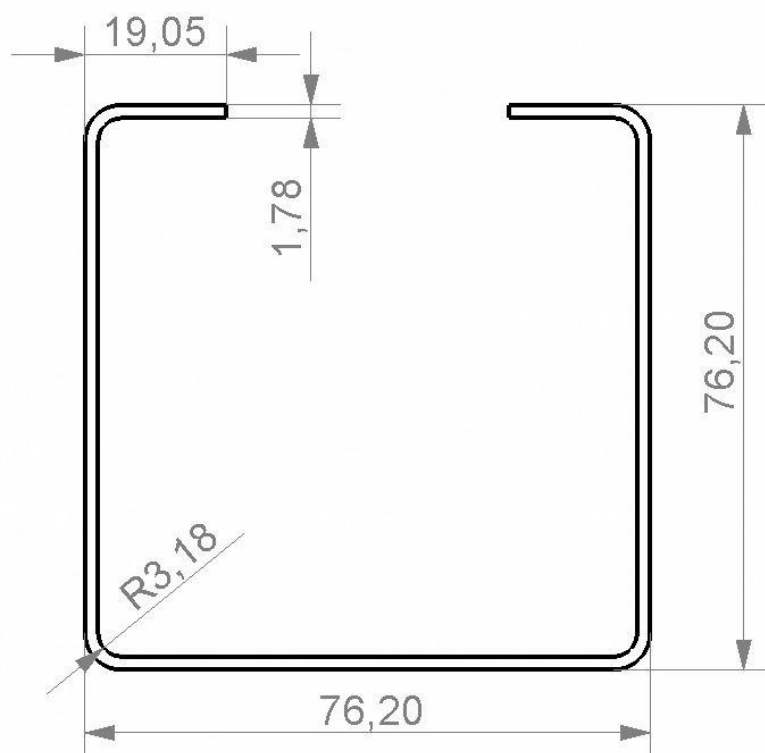
1.	CROQUIS	2
2.	PROPIETATS DE LES SECCIONS	5
3.	DIAGRAMES D'ESFORÇOS DEL BASTIDOR	8
4.	COMANDES D'ANSYS PER L'OBTENCIÓ DE LA RIGIDESA DELS ELEMENTS D'UNIÓ	15

1. Croquis

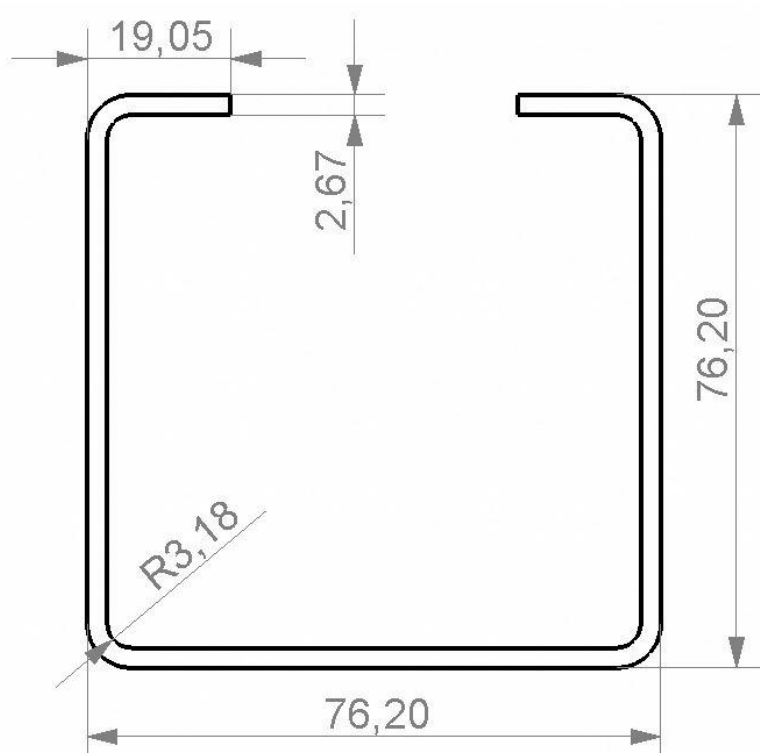
- Bastidor complet.



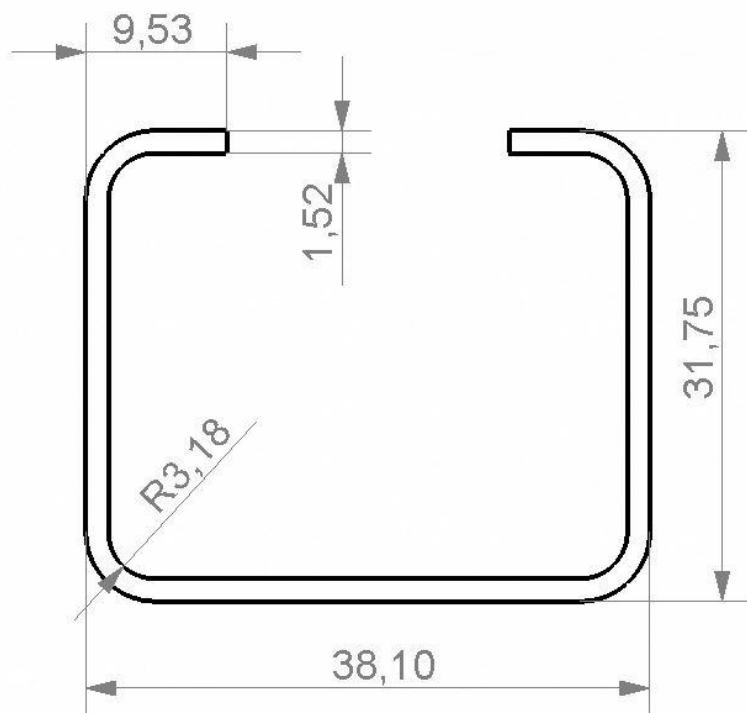
- Secció puntal F70.



- Secció puntal F77.

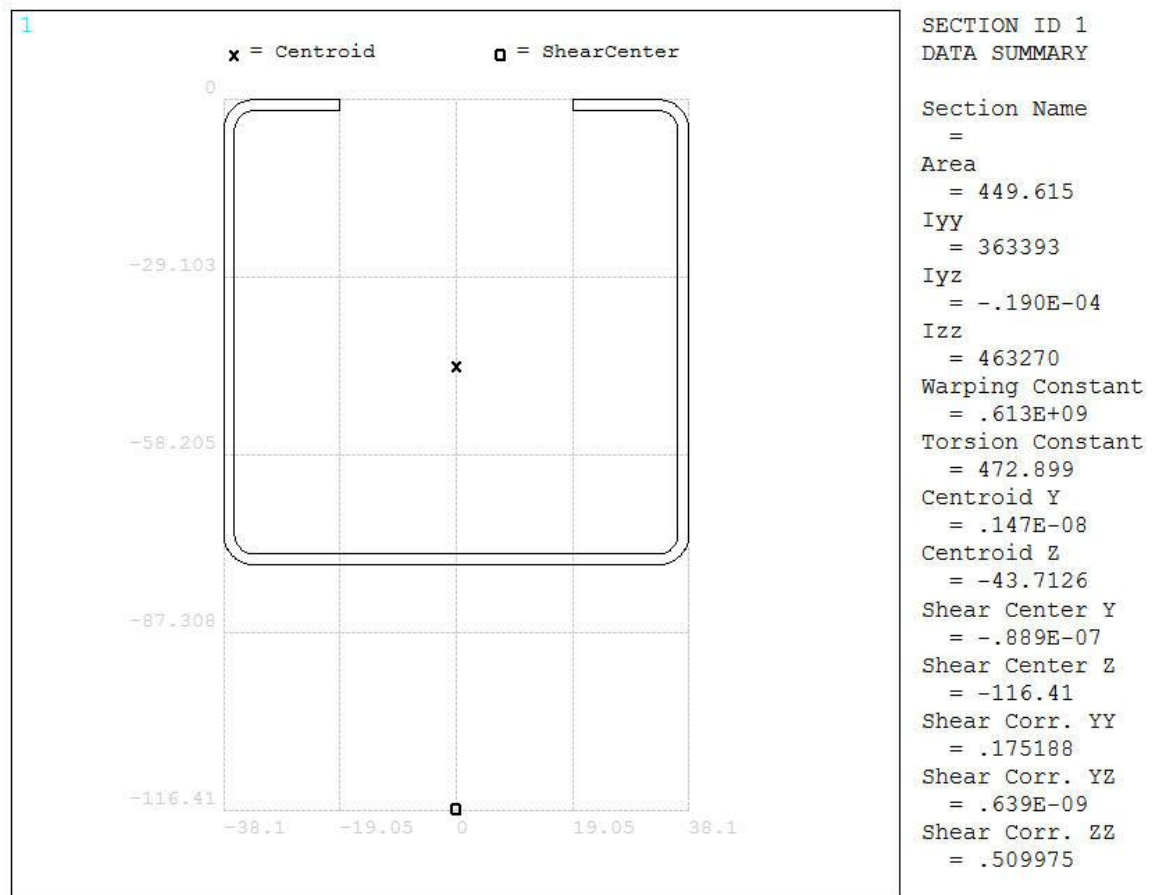


- Secció diagonal.

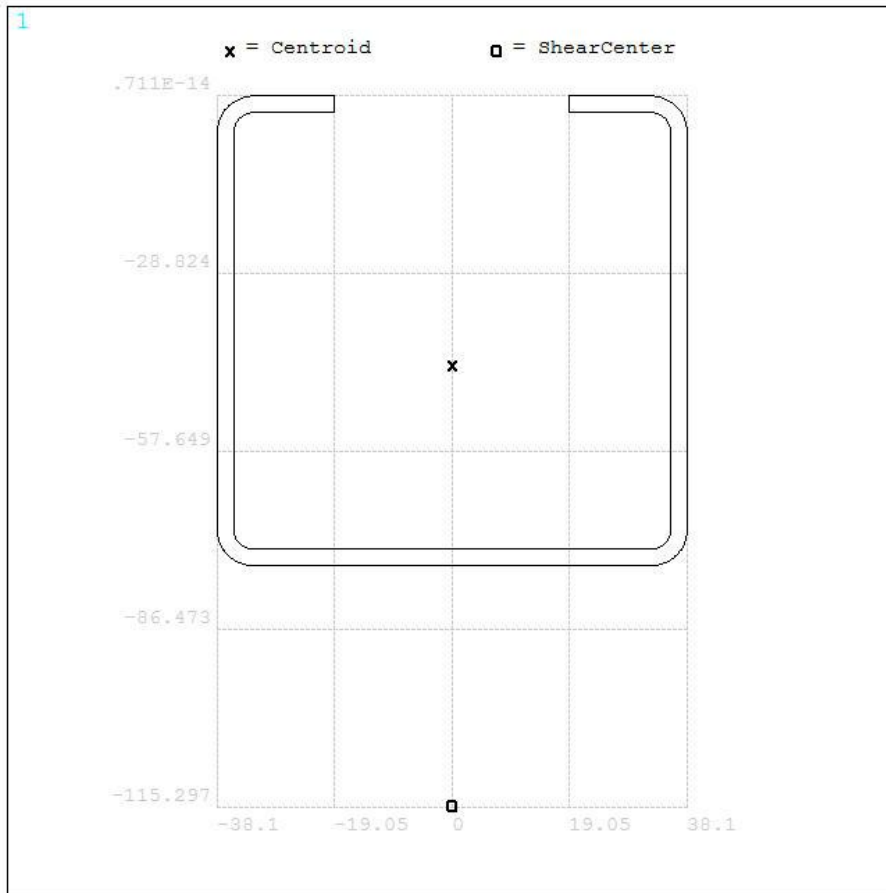


2. Propietats de les seccions

- Secció puntal F70.



- Secció puntal F77.



SECTION ID 2
 DATA SUMMARY

Section Name
 =

Area
 = 662.877

IYY
 = 520576

Iyz
 = .838E-04

Izz
 = 666933

Warping Constant
 = .848E+09

Torsion Constant
 = 1565.56

Centroid Y
 = .177E-08

Centroid Z
 = -43.7421

Shear Center Y
 = -.181E-06

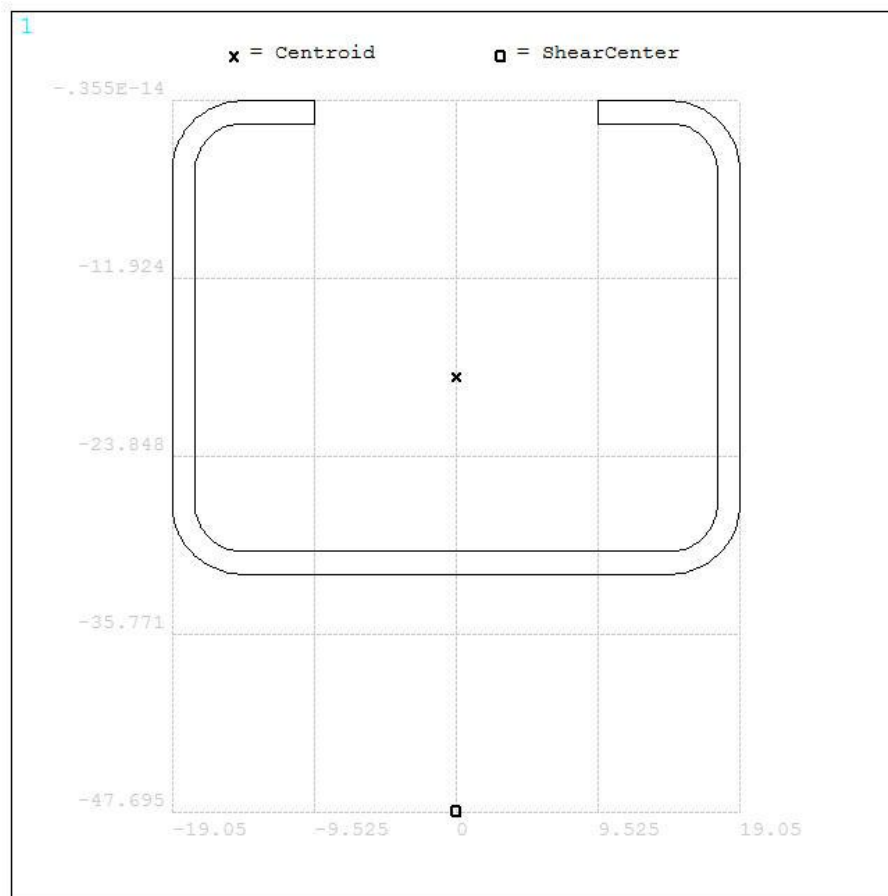
Shear Center Z
 = -115.297

Shear Corr. YY
 = .177084

Shear Corr. YZ
 = -.162E-09

Shear Corr. ZZ
 = .51369

- Secció diagonal.



3. Diagrames d'esforços del bastidor

- F70-D1

F = 5200 N

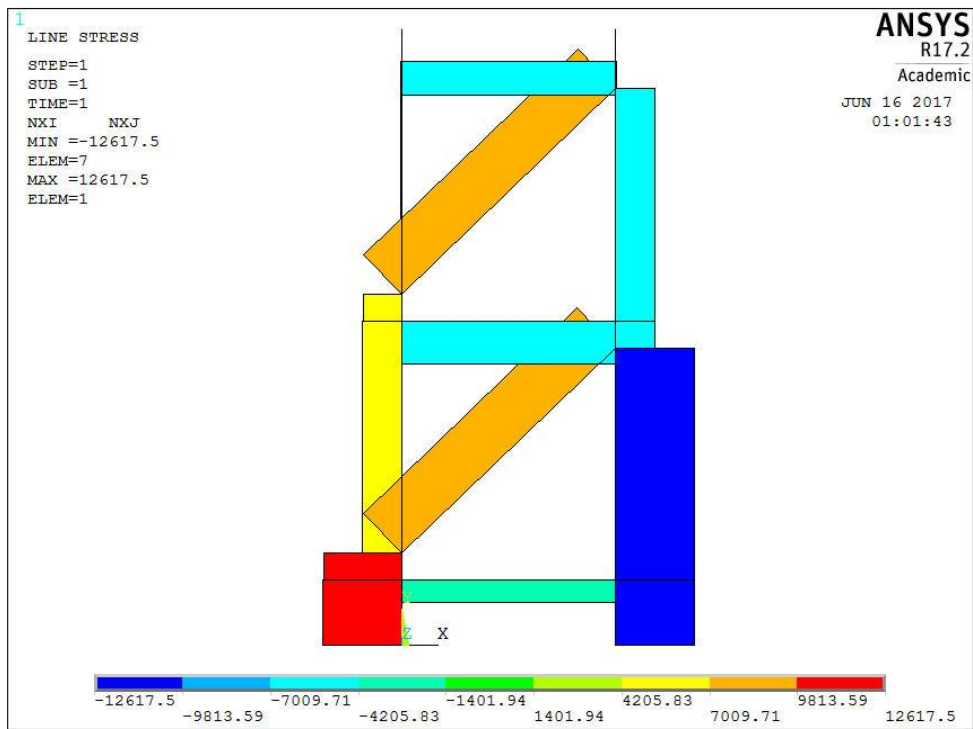


Fig. 1: Esforç normal F70-D1.

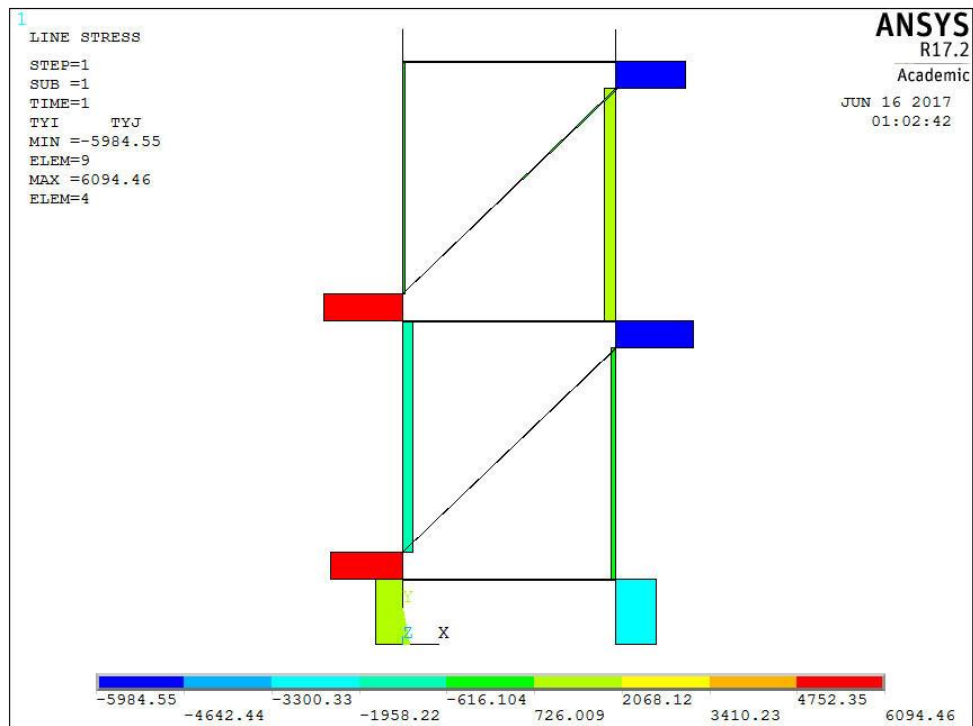


Fig. 2: Esforç tallant F70-D1.

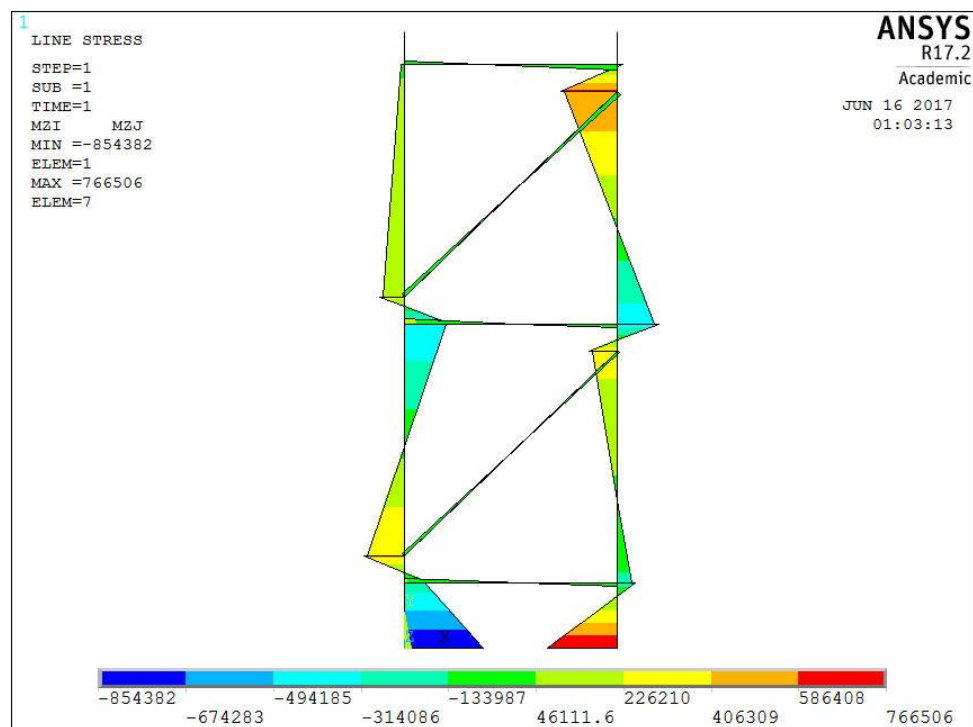


Fig. 3: Moment flector F70-D1.

- F70-D2

F = 5200 N

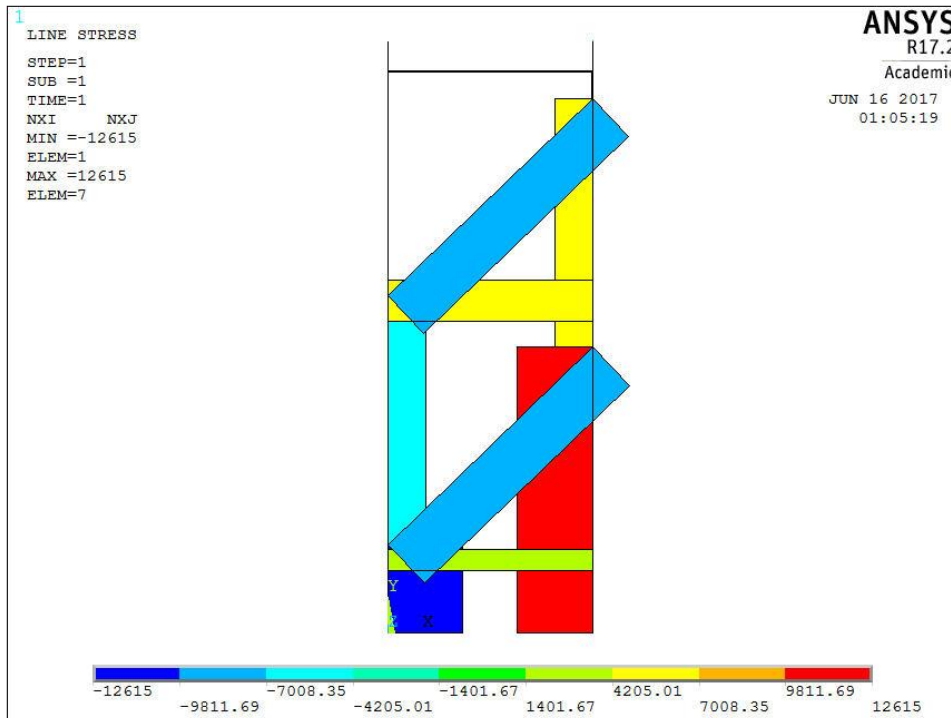


Fig. 4: Esforç normal F70-D2.

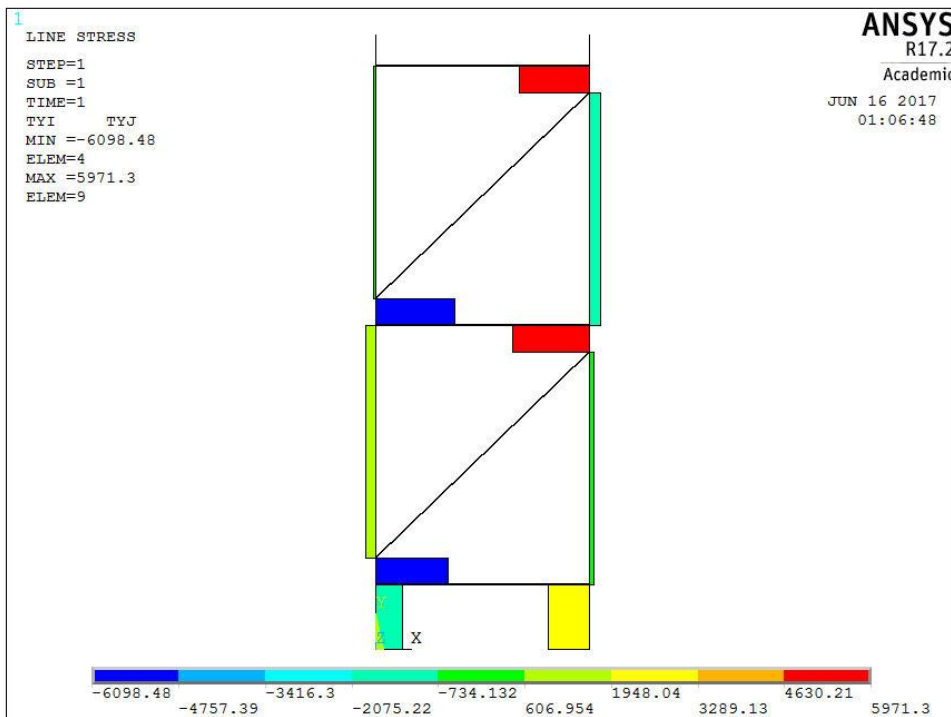


Fig. 5: Esforç tallant F70-D2.

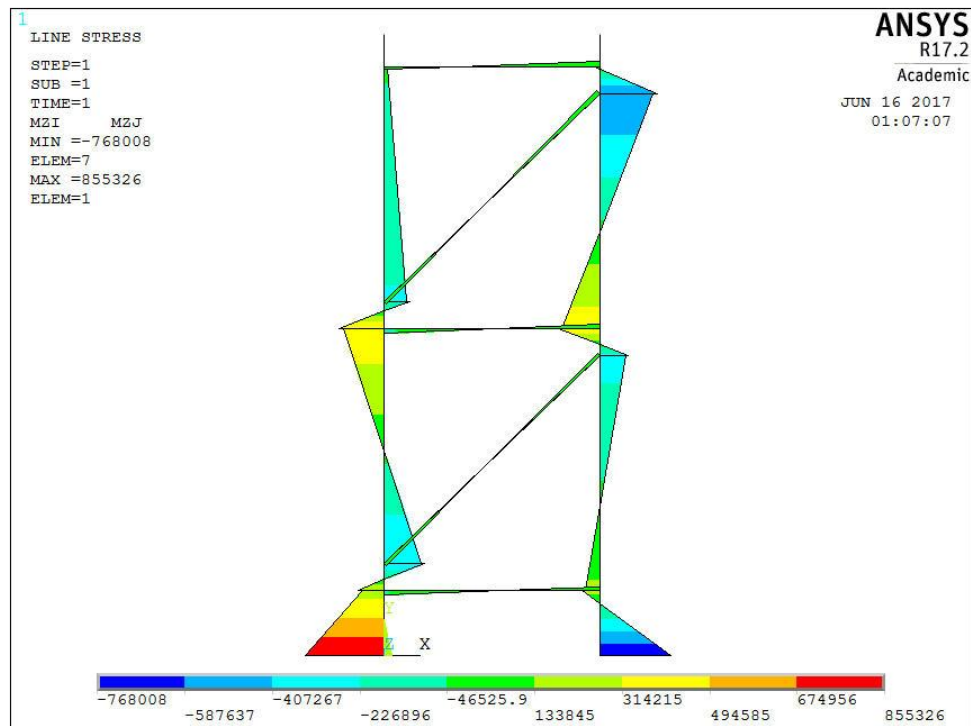


Fig. 6: Moment flector F70-D2.

- F77-D1

F = 9200 N

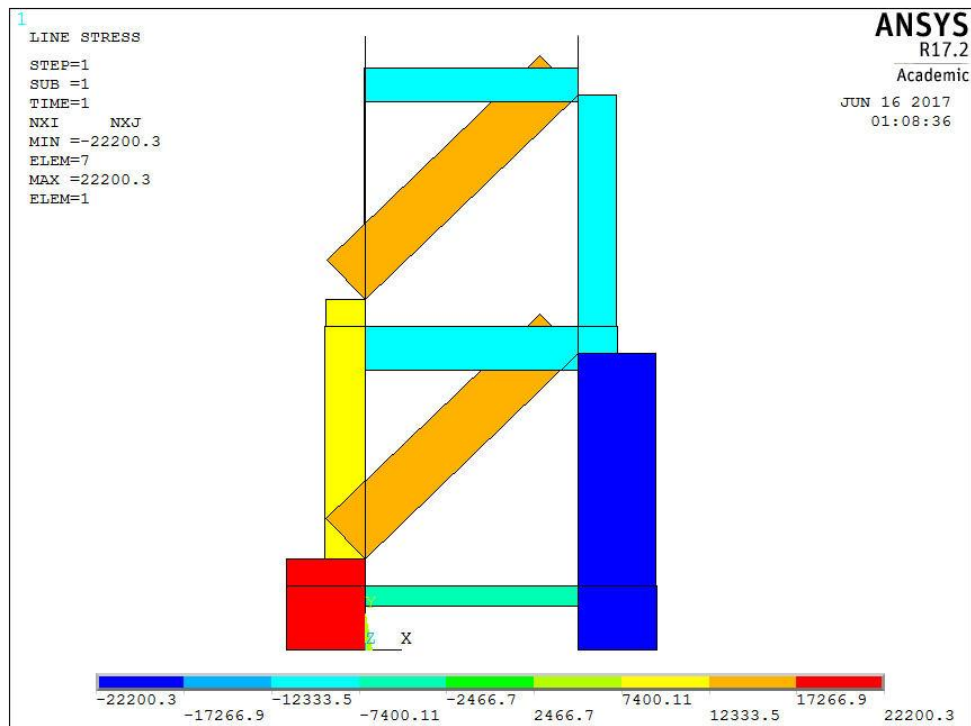


Fig. 7: Esforç normal F77-D1.

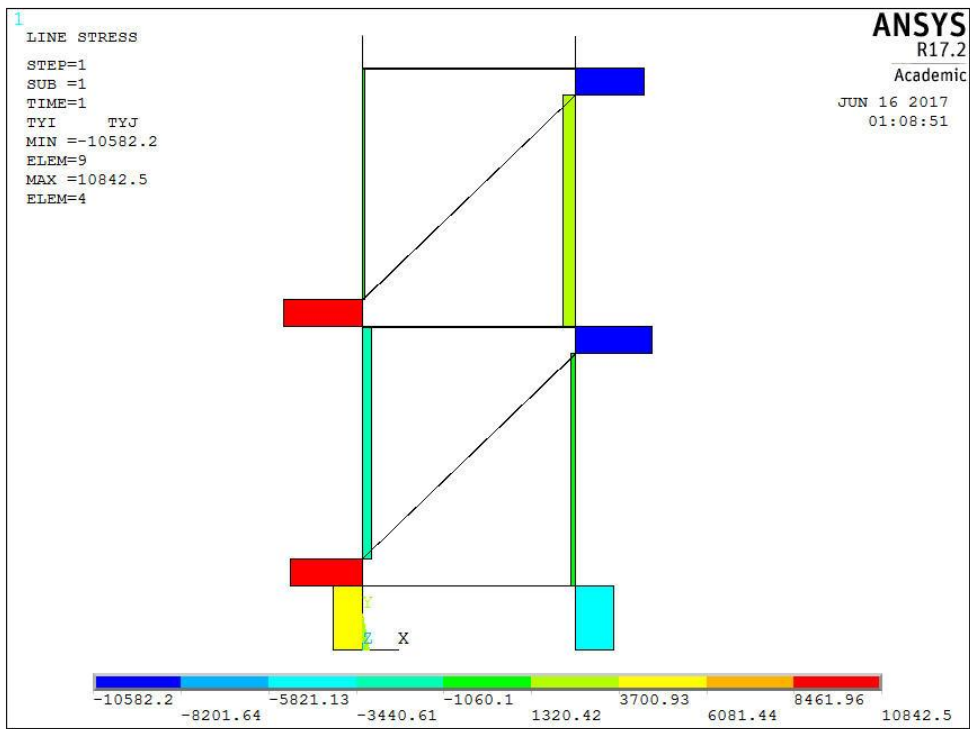


Fig. 8: Esforç tallant F77-D1.

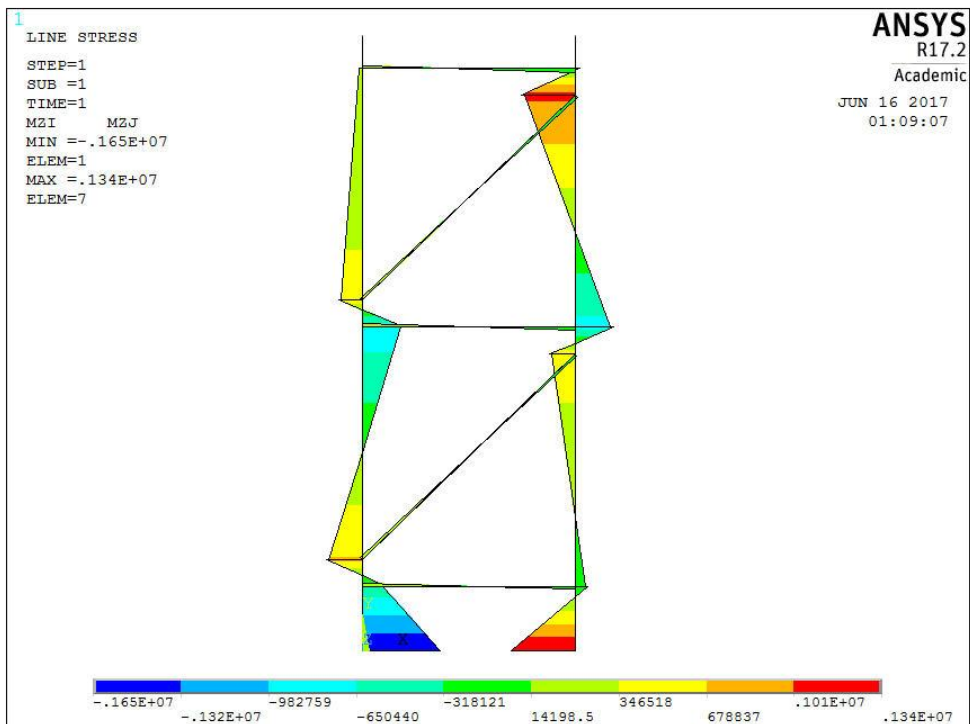


Fig. 9: Moment flector F77-D1.

- F77-D2

F = 9500 N

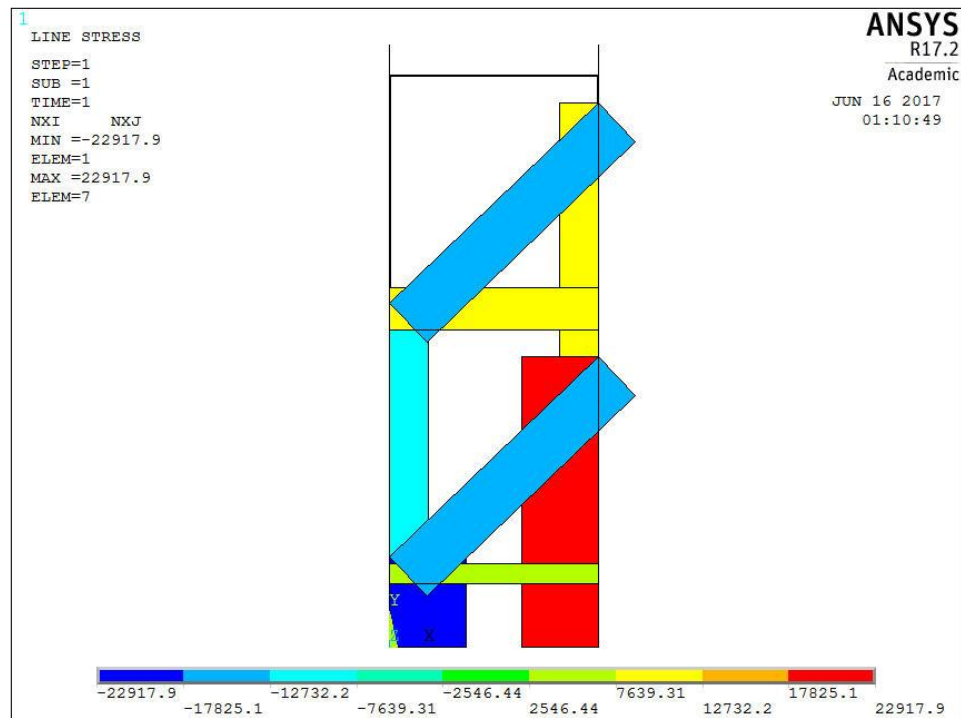


Fig. 10: Esforç normal F77-D2.

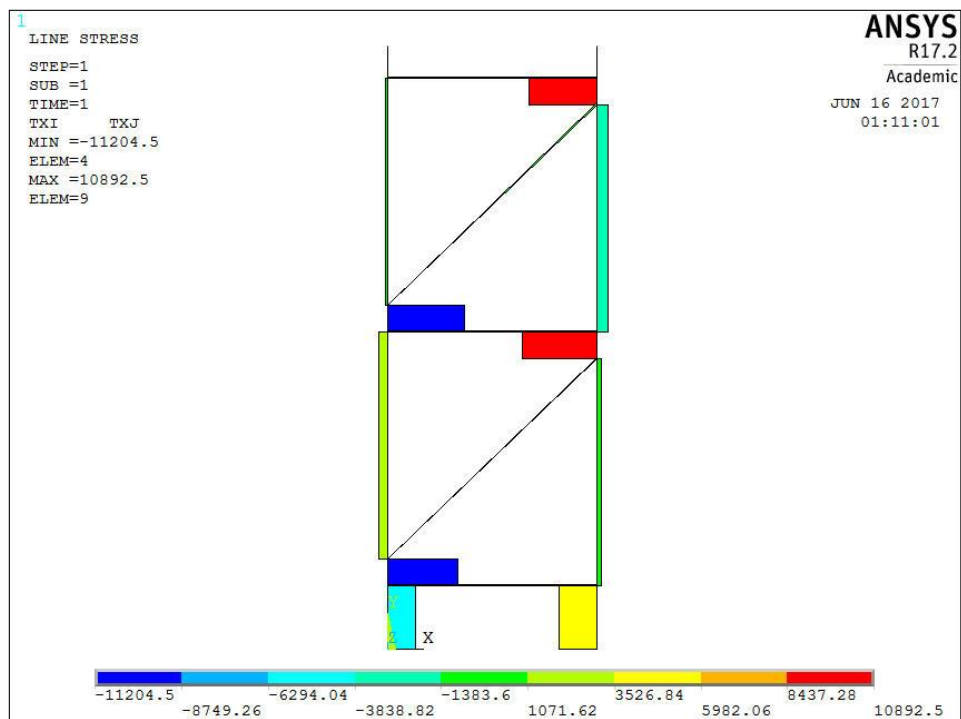


Fig. 11: Esforç tallant F77-D2.

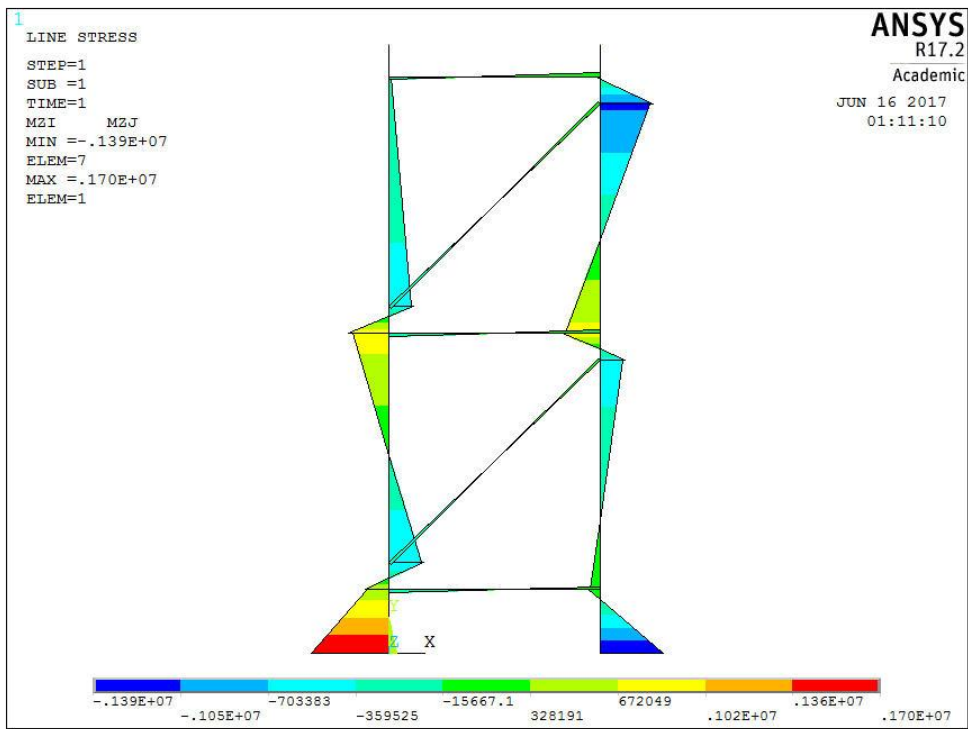


Fig. 12: Moment flector F77-D2.

4. Comandes d'Ansys per l'obtenció de la rigidesa dels elements d'unió

/solu

antype,substr

seopt,file,1,1

m,all,all

/output,filename.txt (on filename és el nom que es desitgi pel fitxer .txt que contindrà els valors de les rigideses)

solve

/output