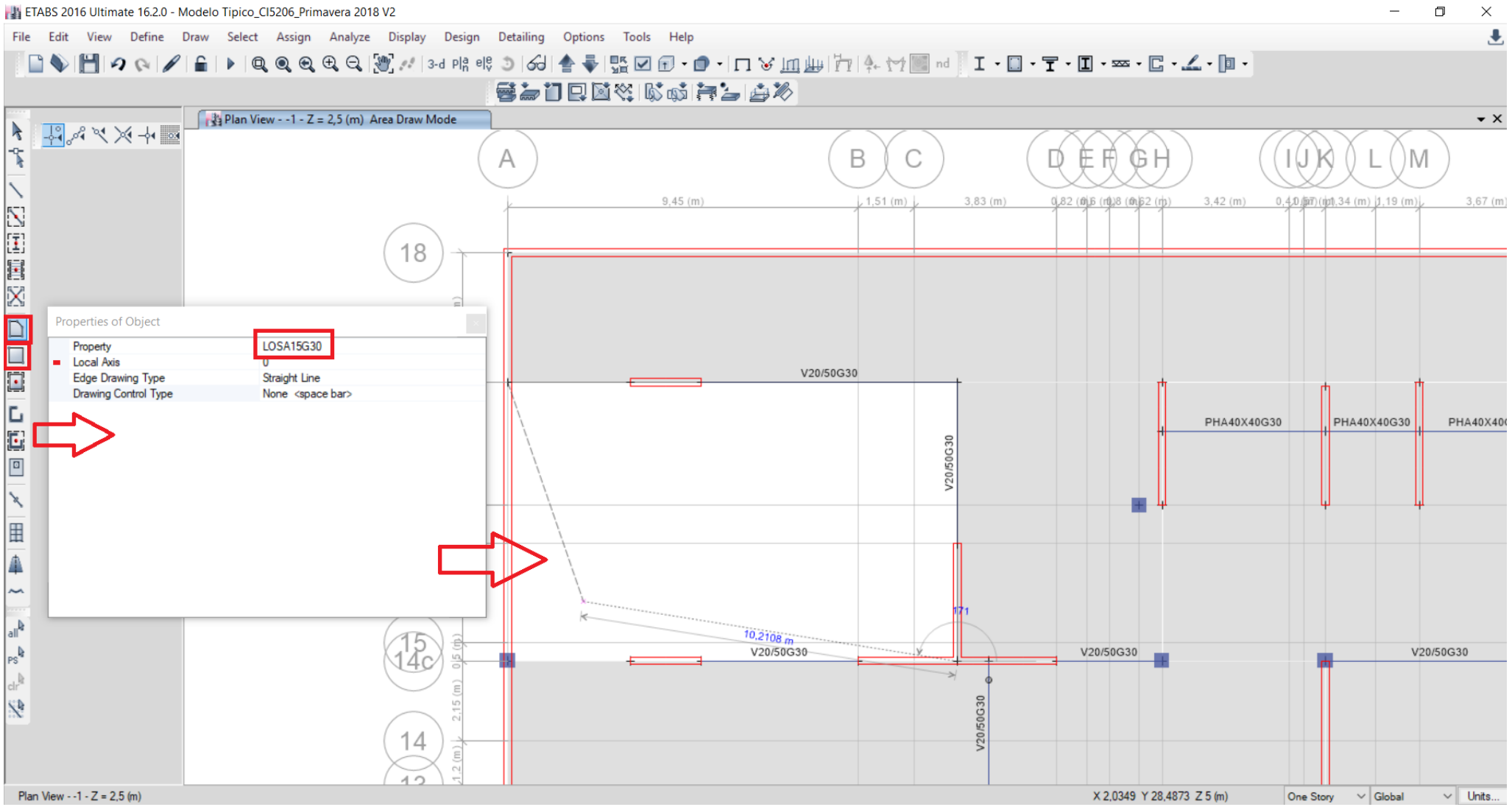
Ingeniería Civil
FACULTAD DE CIENCIAS
FÍSICAS Y MATEMÁTICAS
UNIVERSIDAD DE CHILE

PROYECTO DE HORMIGÓN
CI5206-2

AUXILIAR N°4

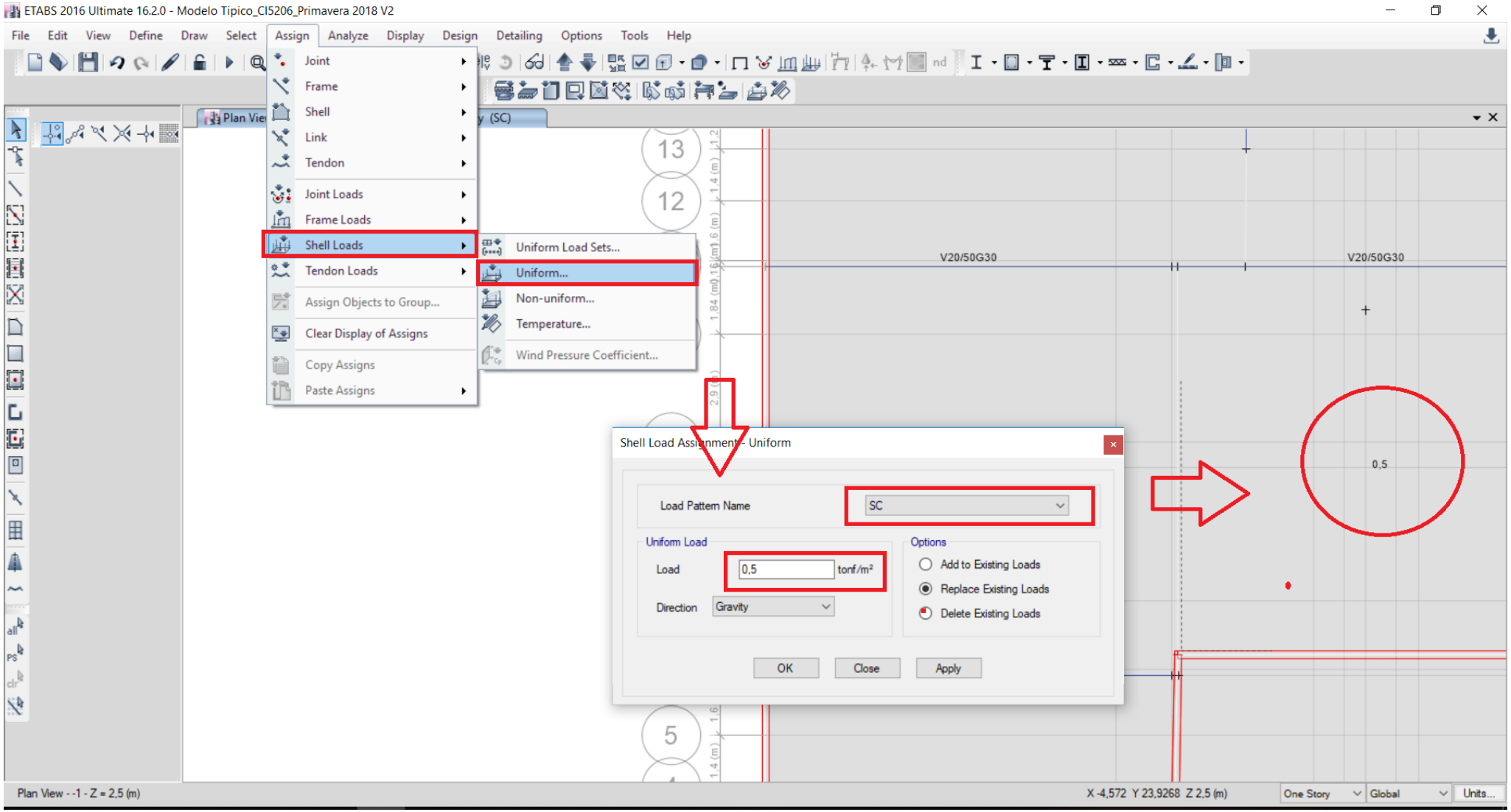
Asignar Losa



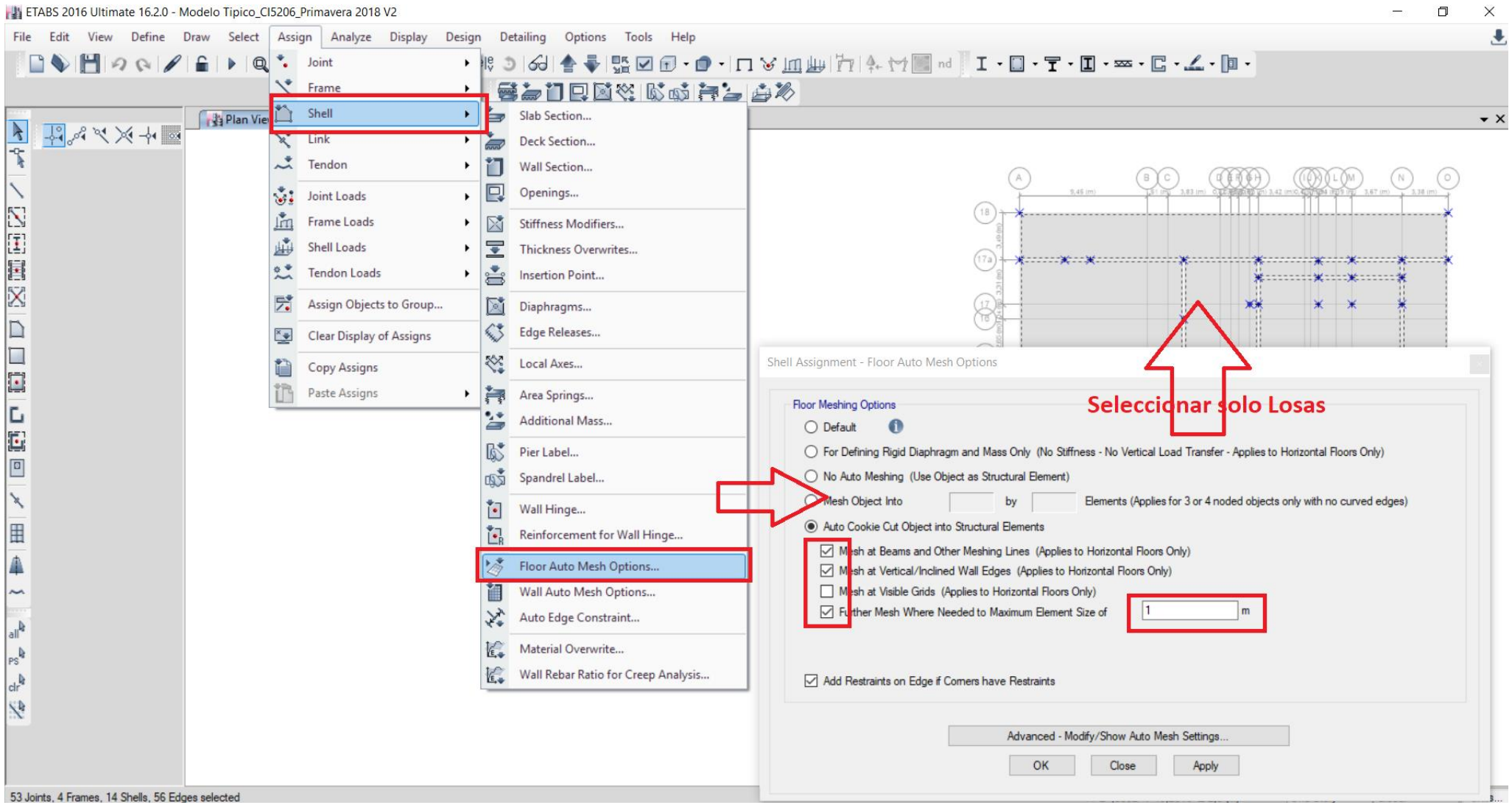
Cargas en Losas

- Sobrecarga:
  - Habitacional: 200 kgf/m^2
  - Áreas Comunes y Escaleras: 400 kgf/m^2
  - Balcones: 300 kgf/m^2
  - Autos: 500 kgf/m^2
  - Techo: 100 kgf/m^2
- Peso Propio
  - Tabiques: 60 - 120 kgf/m^2
  - Yeso: 10 kgf/m^2 x cm
  - Sobrelosa: 20 kgf/m^2 x cm

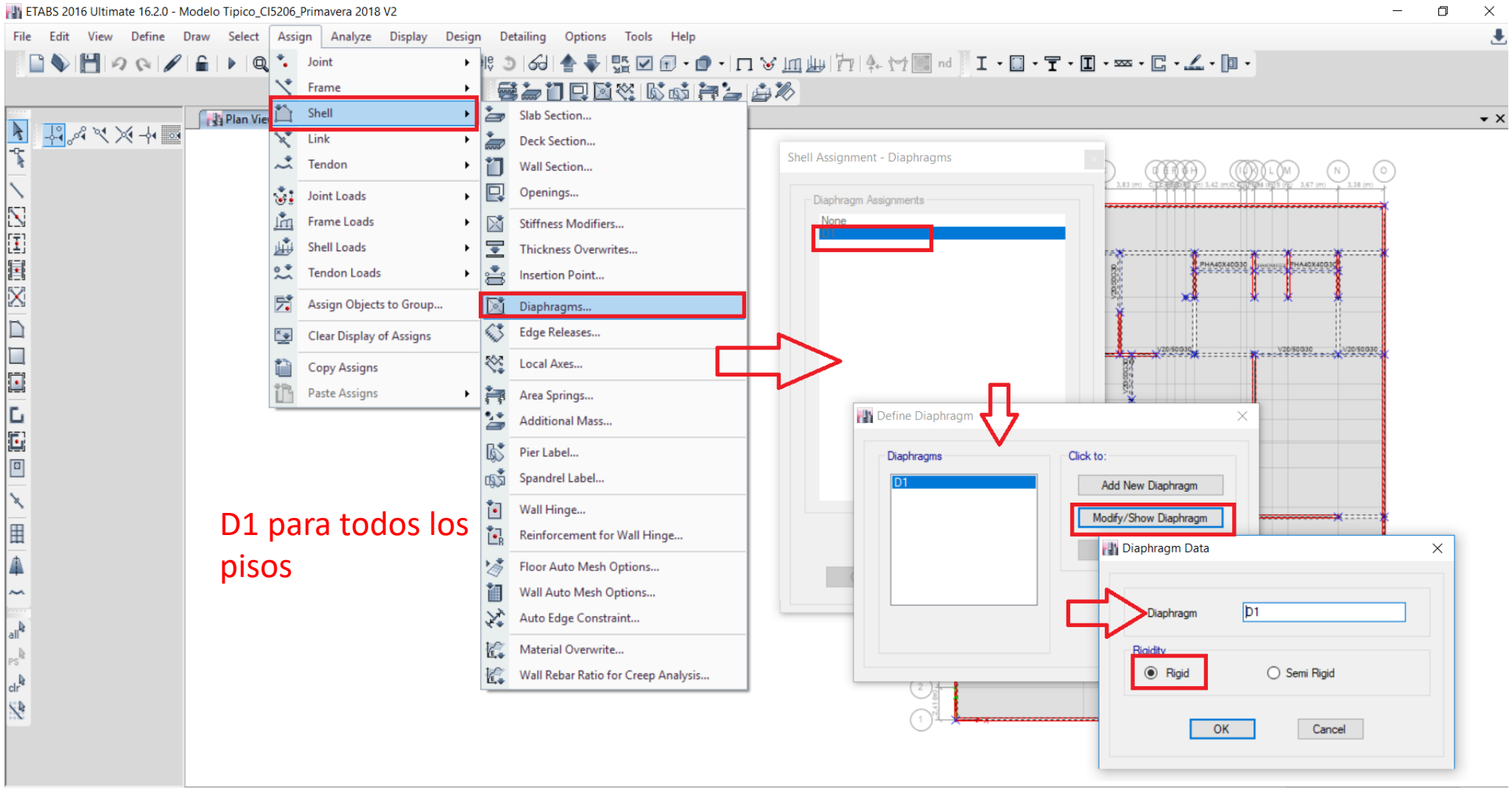
Asignar Cargas a Losa (PP y SC)



Mesh Automático Losas

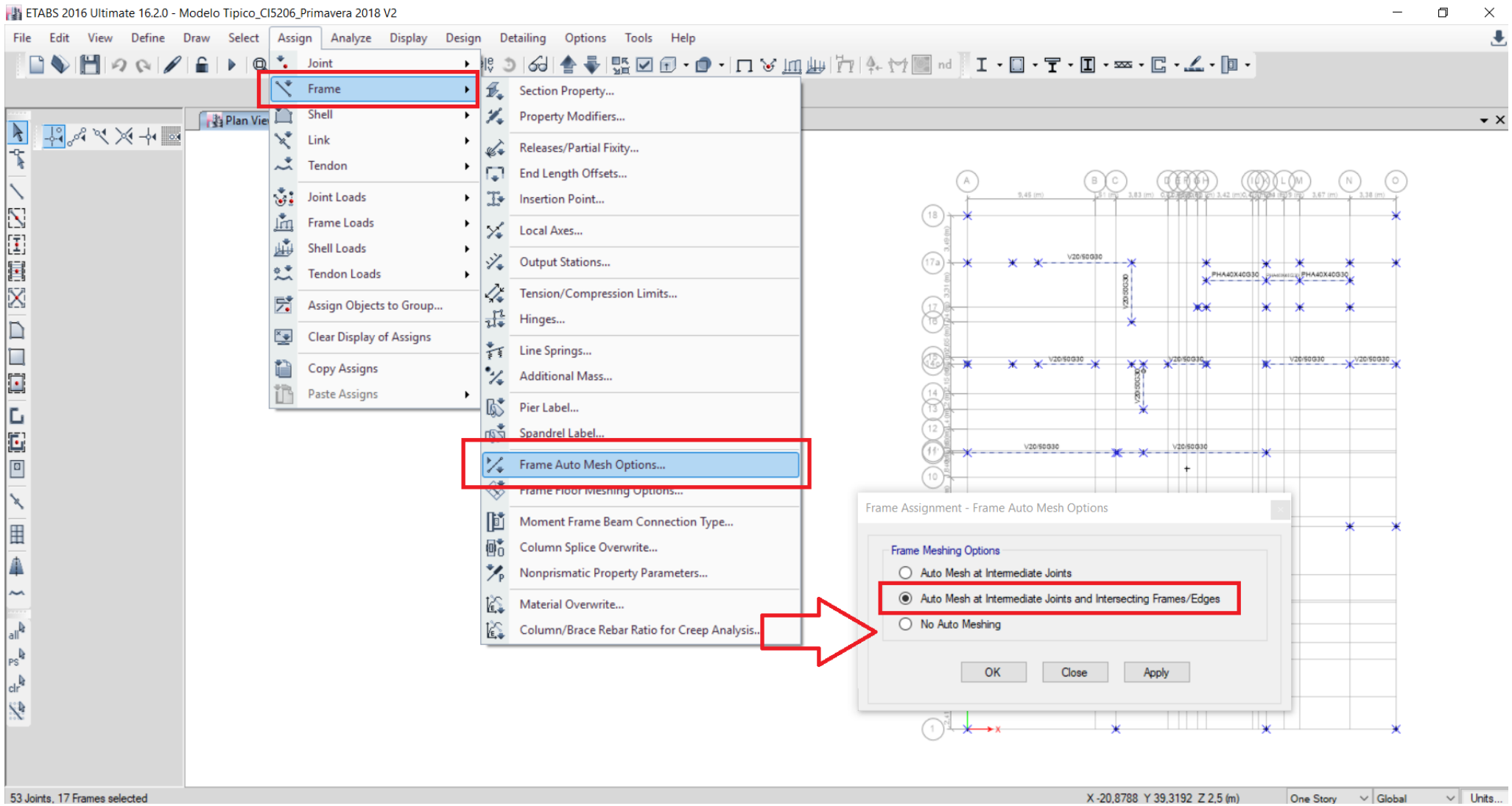


Asignar Diafragma (Losas y Muros)

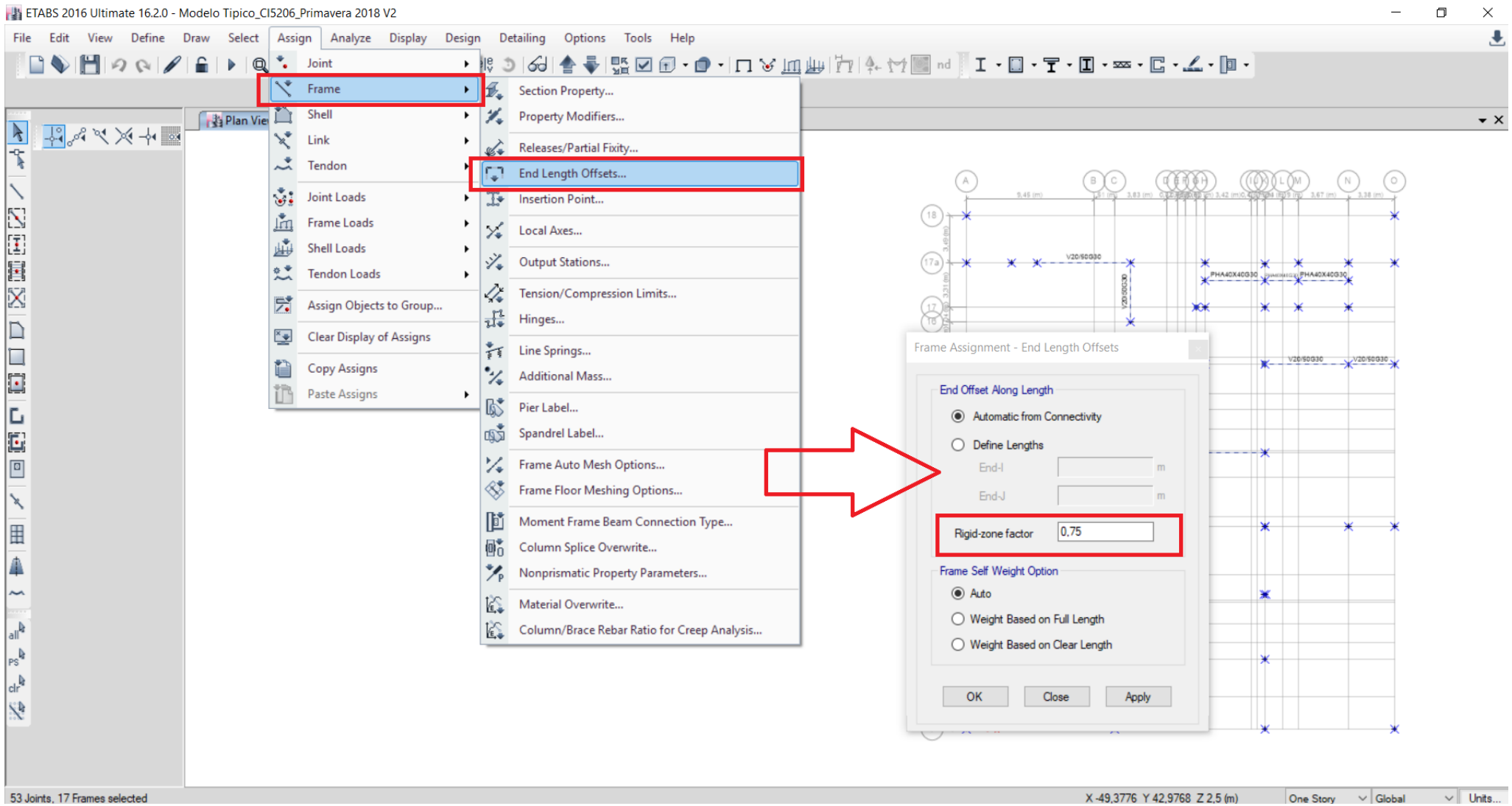


D1 para todos los pisos

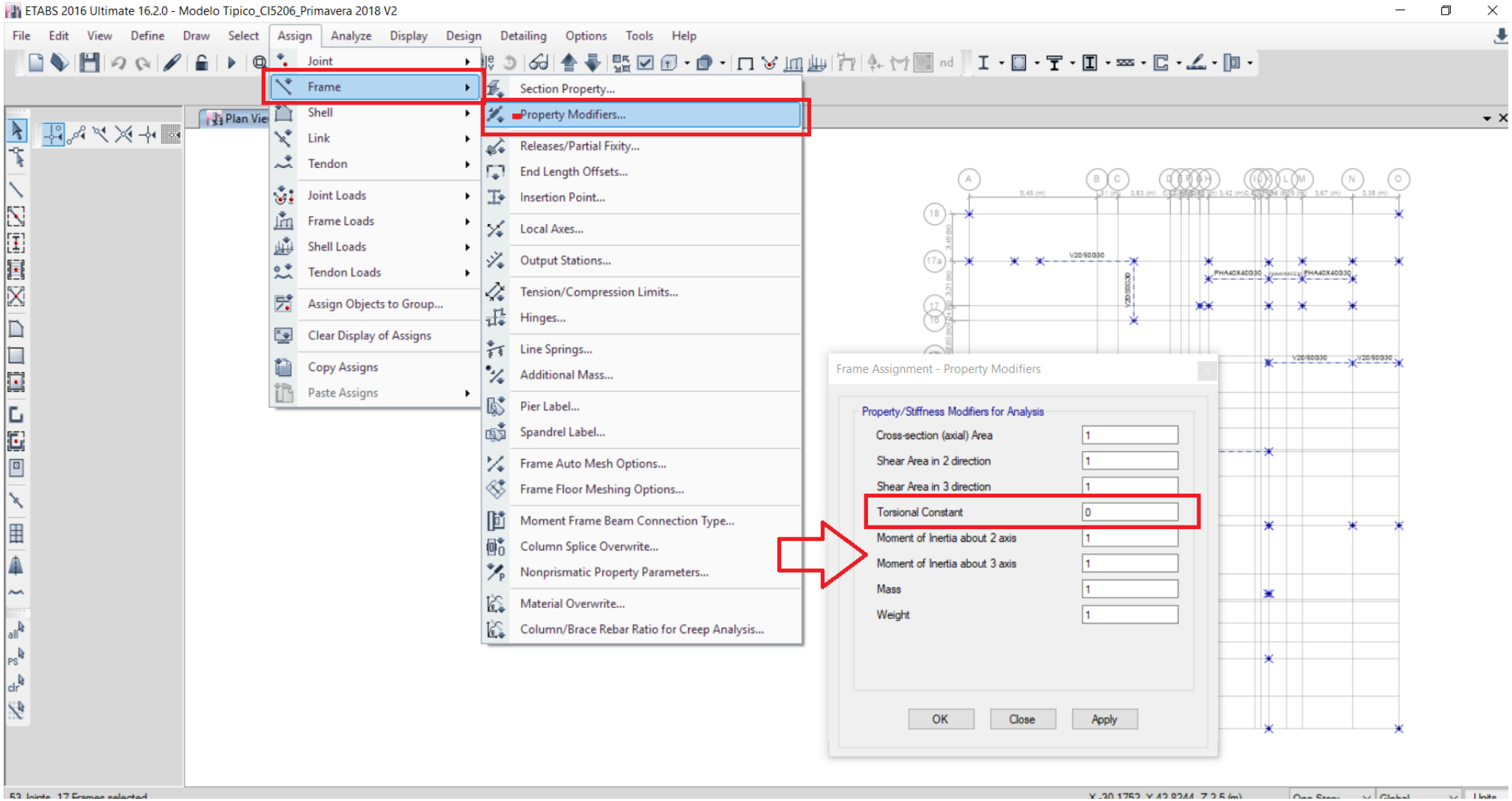
Mesh Automático Vigas



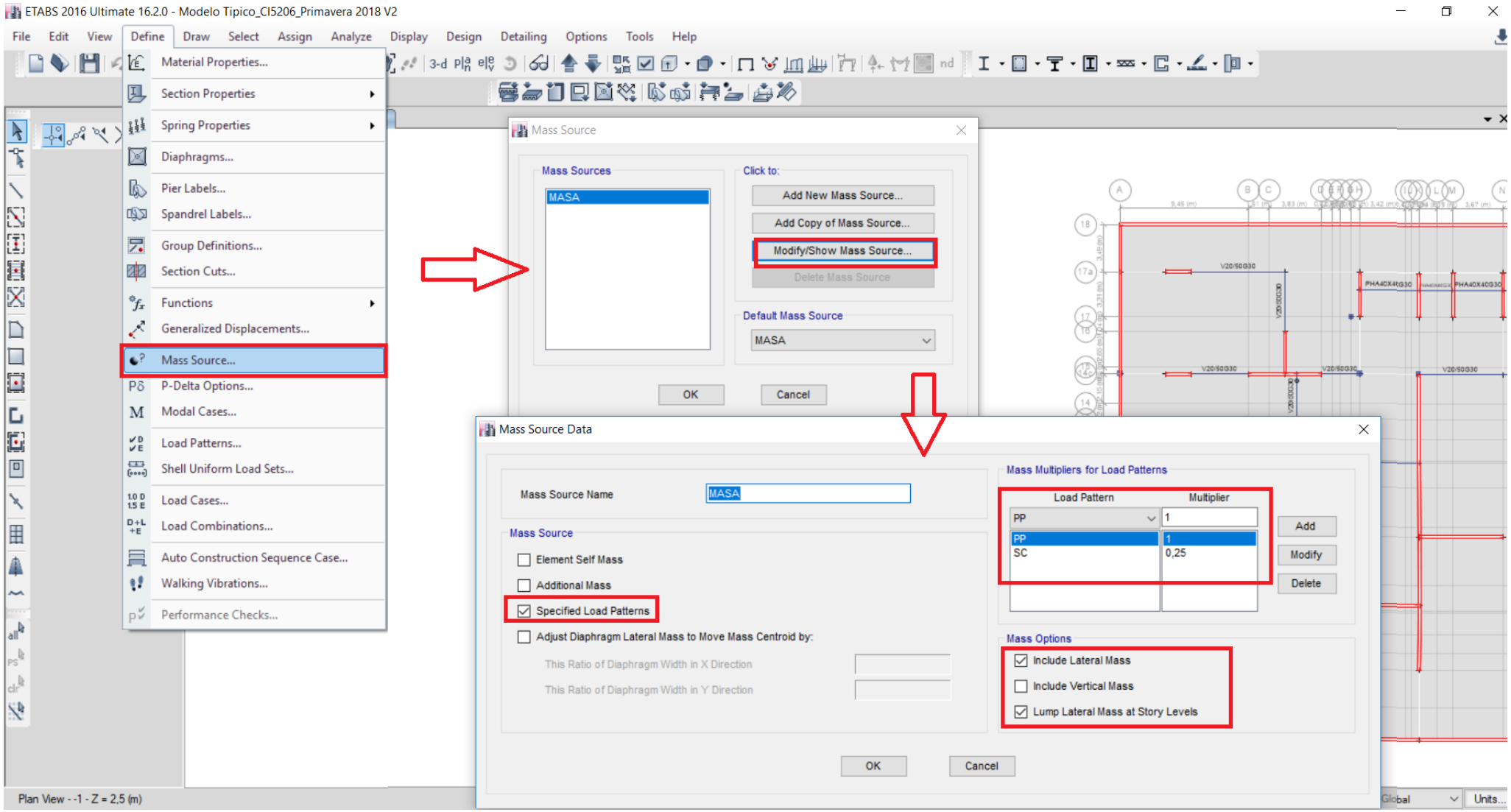
Offsets Vigas – Zona Rígida



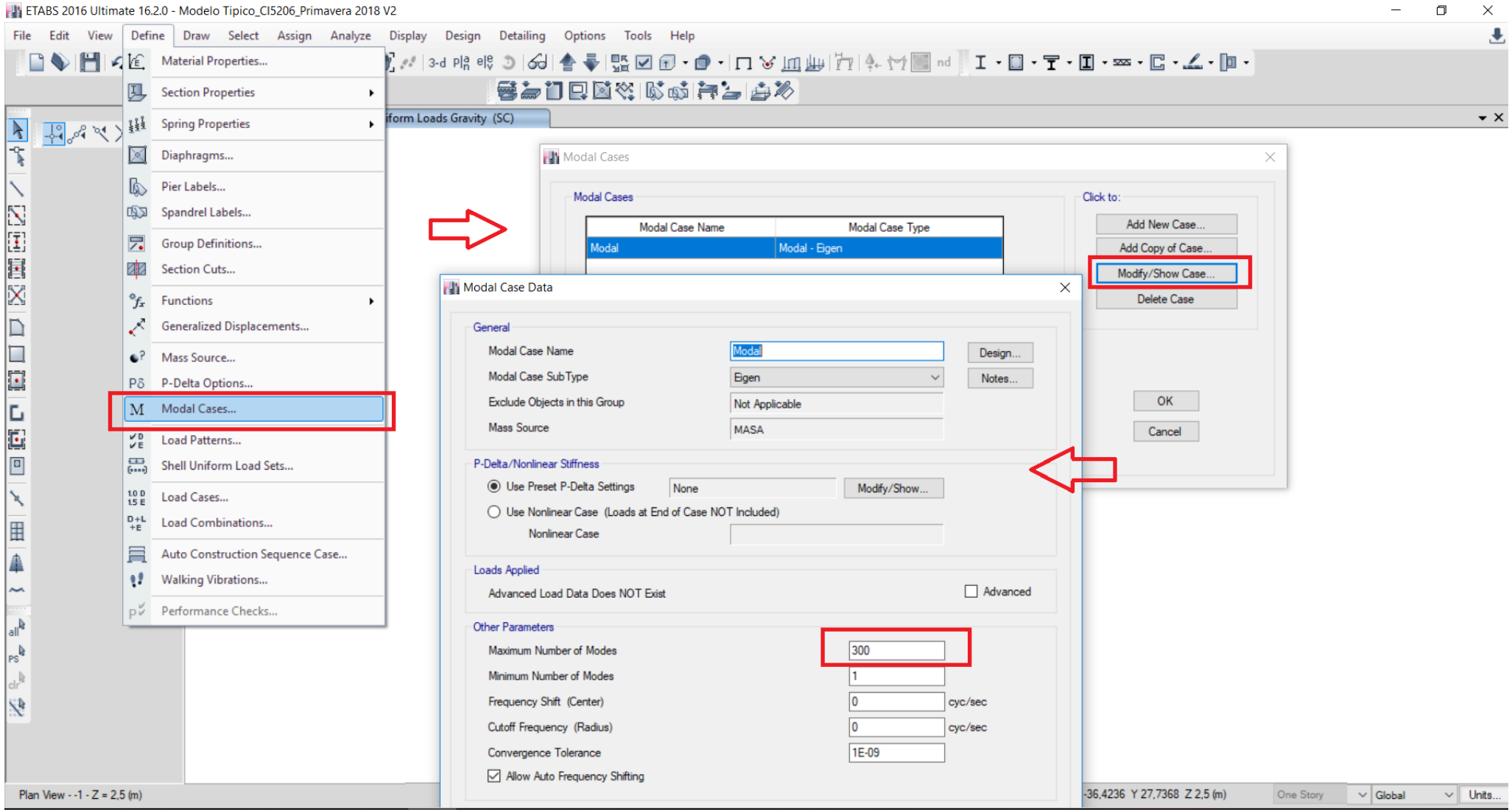
Torsión nula en Vigas



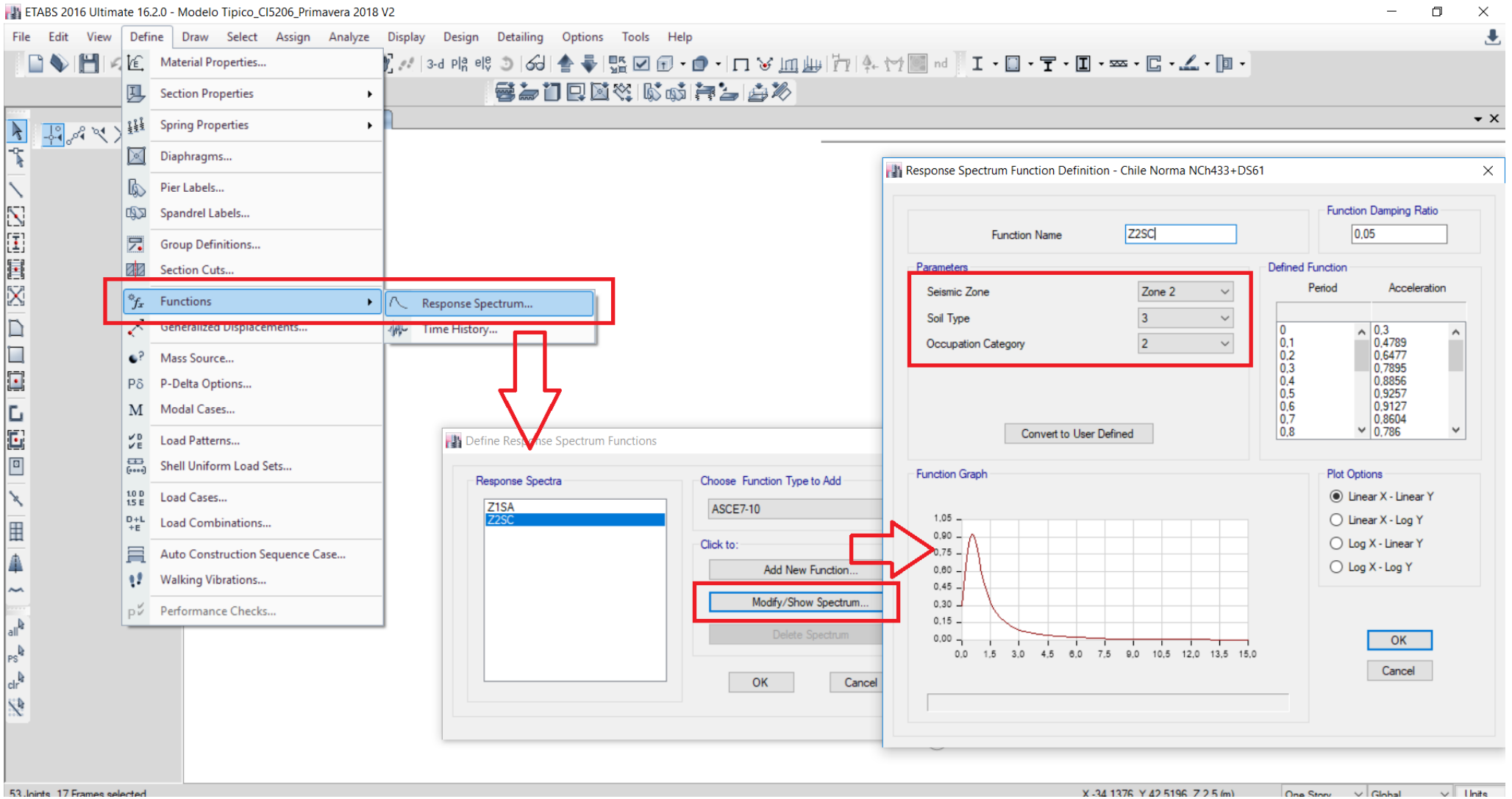
Peso Sísmico



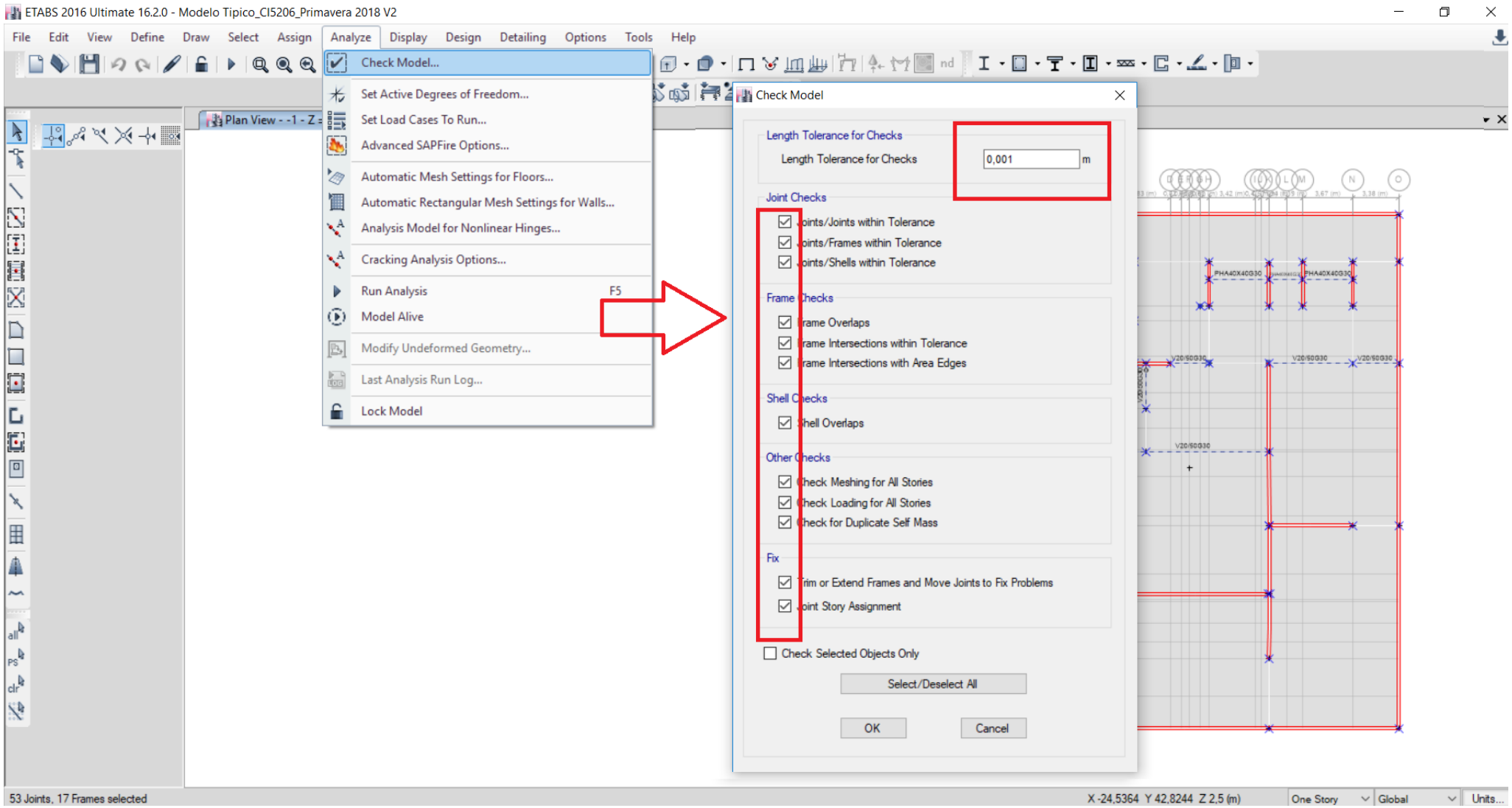
Modal Cases


ETABS 2016 Ultimate 16.2.0 - Modelo Tipico_CI5206_Primavera 2018 V2
File Edit View Define Draw Select Assign Analyze Display Design Detailing Options Tools Help
Material Properties...
Section Properties
Spring Properties
Diaphragms...
Pier Labels...
Spandrel Labels...
Group Definitions...
Section Cuts...
Functions
Generalized Displacements...
Mass Source...
P-Delta Options...
Modal Cases...
Load Patterns...
Shell Uniform Load Sets...
Load Cases...
Load Combinations...
Auto Construction Sequence Case...
Walking Vibrations...
Performance Checks...
Modal Cases
Modal Cases
Modal Case Name
Modal Case Type
Modal
Modal - Eigen
Click to:
Add New Case...
Add Copy of Case...
Modify/Show Case...
Delete Case
OK
Cancel
Modal Case Data
General
Modal Case Name
Modal
Design...
Modal Case SubType
Eigen
Notes...
Exclude Objects in this Group
Not Applicable
Mass Source
MASA
P-Delta/Nonlinear Stiffness
Use Preset P-Delta Settings
None
Modify/Show...
Use Nonlinear Case (Loads at End of Case NOT Included)
Nonlinear Case
Loads Applied
Advanced Load Data Does NOT Exist
Advanced
Other Parameters
Maximum Number of Modes
300
Minimum Number of Modes
1
Frequency Shift (Center)
0
cyc/sec
Cutoff Frequency (Radius)
0
cyc/sec
Convergence Tolerance
1E-09
Allow Auto Frequency Shifting
Plan View - -1 - Z = 2,5 (m)
-36,4236 Y 27,7368 Z 2,5 (m)
One Story
Global
Units...

Espectro Nch 433



Check Model


ETABS 2016 Ultimate 16.2.0 - Modelo Tipico_CI5206_Primavera 2018 V2
File Edit View Define Draw Select Assign Analyze Display Design Detailing Options Tools Help
Check Model...
Set Active Degrees of Freedom...
Set Load Cases To Run...
Advanced SAPFire Options...
Automatic Mesh Settings for Floors...
Automatic Rectangular Mesh Settings for Walls...
Analysis Model for Nonlinear Hinges...
Cracking Analysis Options...
Run Analysis F5
Model Alive
Modify Undeformed Geometry...
Last Analysis Run Log...
Lock Model
Plan View - -1 - Z =
Check Model
Length Tolerance for Checks
Length Tolerance for Checks 0,001 m
Joint Checks
Joints/Joints within Tolerance
Joints/Frames within Tolerance
Joints/Shells within Tolerance
Frame Checks
Frame Overlaps
Frame Intersections within Tolerance
Frame Intersections with Area Edges
Shell Checks
Shell Overlaps
Other Checks
Check Meshing for All Stories
Check Loading for All Stories
Check for Duplicate Self Mass
Fix
Trim or Extend Frames and Move Joints to Fix Problems
Joint Story Assignment
Check Selected Objects Only
Select/Deselect All
OK
Cancel
53 Joints, 17 Frames selected
X -24,5364 Y 42,8244 Z 2,5 (m)
One Story
Global
Units...