DISEÑO DE EDIFICIO

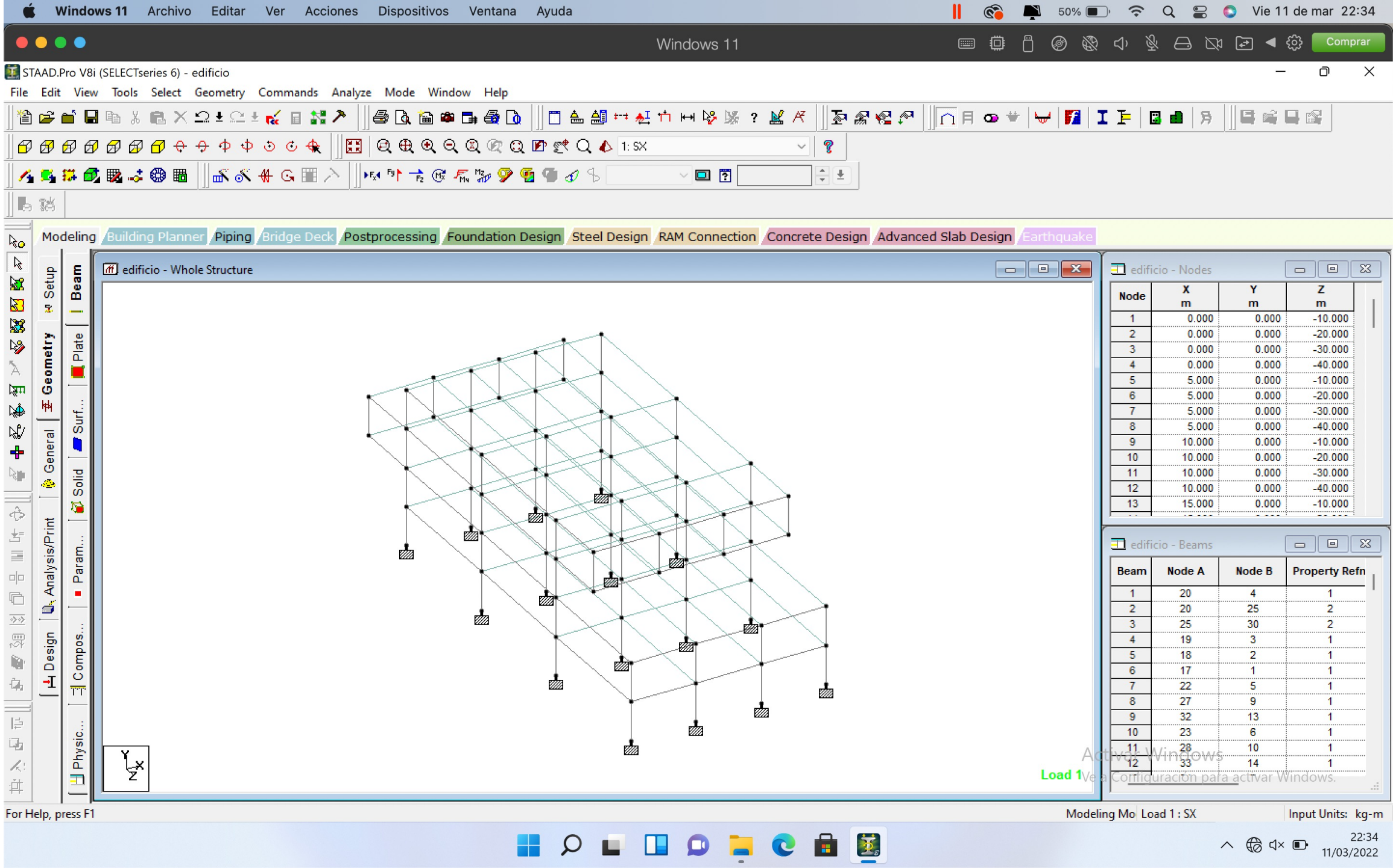
UNIVERSIDAD DEL SURESTE

ARQUITECTURA 5° A

MARIO DE JESÚS LÓPEZ CRUZ

ÁNALISIS DE ESTRUCTURA

ARQ. PEDRO GARCÍA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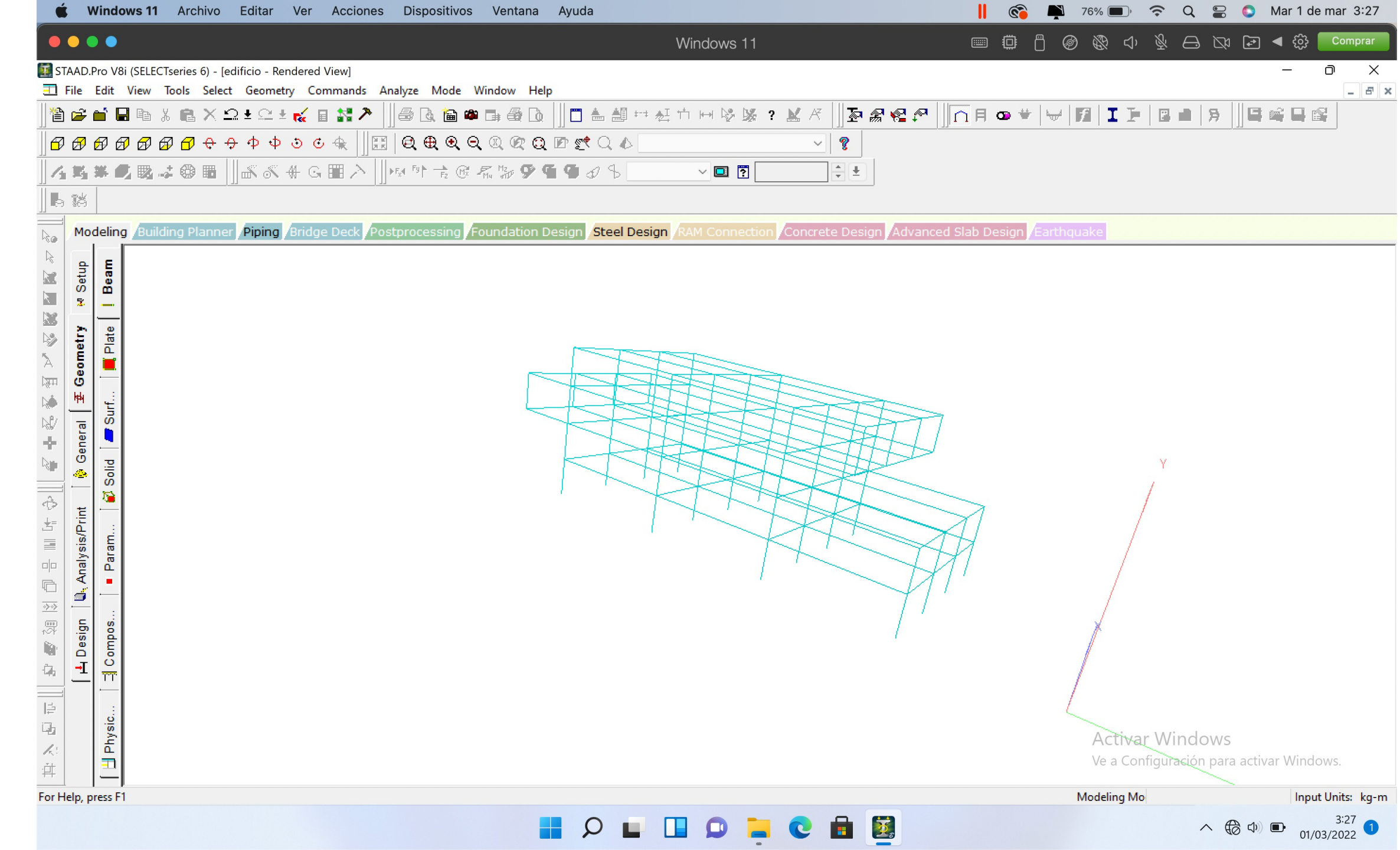
Vie 11 de mar 22:34
Windows 11
Comprar
STAAD.Pro V8i (SELECTseries 6) - edificio
File Edit View Tools Select Geometry Commands Analyze Mode Window Help
1: SX
Modeling Building Planner Piping Bridge Deck Postprocessing Foundation Design Steel Design RAM Connection Concrete Design Advanced Slab Design Earthquake
Setup Geometry General Analysis/Print Design
Beam Plate Surf... Solid Param... Compos... Physic...
edificio - Whole Structure
Load 1
edificio - Nodes
Node X m Y m Z m
1 0.000 0.000 -10.000
2 0.000 0.000 -20.000
3 0.000 0.000 -30.000
4 0.000 0.000 -40.000
5 5.000 0.000 -10.000
6 5.000 0.000 -20.000
7 5.000 0.000 -30.000
8 5.000 0.000 -40.000
9 10.000 0.000 -10.000
10 10.000 0.000 -20.000
11 10.000 0.000 -30.000
12 10.000 0.000 -40.000
13 15.000 0.000 -10.000
edificio - Beams
Beam Node A Node B Property Refn
1 20 4 1
2 20 25 2
3 25 30 2
4 19 3 1
5 18 2 1
6 17 1 1
7 22 5 1
8 27 9 1
9 32 13 1
10 23 6 1
11 28 10 1
12 33 14 1
Activar Windows
Ve a Configuración para activar Windows.
For Help, press F1
Modeling Mo
Load 1 : SX
Input Units: kg-m
22:34
11/03/2022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File Edit View Tools Select Geometry Commands Analyze Mode Window Help
Modeling Building Planner Piping Bridge Deck Postprocessing Foundation Design Steel Design RAM Connection Concrete Design Advanced Slab Design Earthquake
Setup Geometry General Analysis/Print Design
Beam Plate Surf... Solid Param... Compos... Physic...
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Activar Windows
Ve a Configuración para activar Windows.
For Help, press F1
Modeling Mo
Input Units: kg-m
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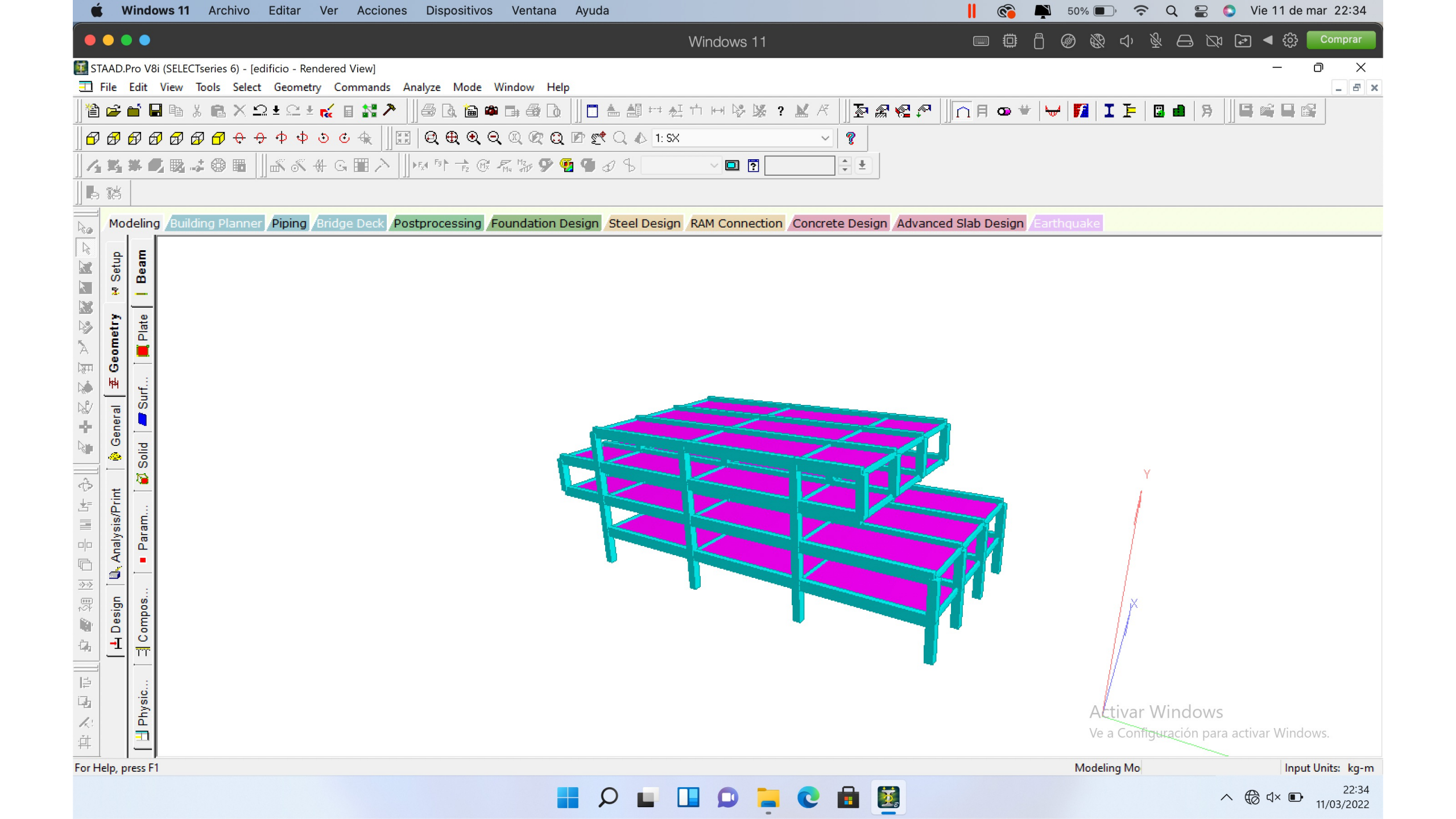
01/03/2022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File Edit View Tools Select Geometry Commands Analyze Mode Window Help
1: SX
Modeling Building Planner Piping Bridge Deck Postprocessing Foundation Design Steel Design RAM Connection Concrete Design Advanced Slab Design Earthquake
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Y
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Activar Windows
Ve a Configuración para activar Windows.
For Help, press F1
Modeling Mo
Input Units: kg-m
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Windows 11
Comprar

STAAD.Pro V8i (SELECTseries 6) - edificio

edificio.anl - STAAD Output Viewer

File Edit View Help

WARNING

**WARNING: IF THIS UBC/IBC ANALYS

RESULTS

```
 **WARNING: IF THIS UBC/IBC ANALYSIS HAS TENSION/COMPRESSION
 OR REPEAT LOAD OR RE-ANALYSIS OR SELECT OPTIMIZE, THEN EACH
 UBC/IBC CASE SHOULD BE FOLLOWED BY PERFORM ANALYSIS & CHANGE.



 ******************************************************************************
 *  EQUIVALENT SEISMIC LOADS AS PER CFE 1993 CODE ALONG X                     *
 *   ZONE = C SOIL TYPE = II  GROUP = B                                       *
 *       TS =   0.000000 SEC.                                                 *
 *   PERIOD CALCULATED =   0.585848 SEC. PERIOD PROVIDED =  0.000000 SEC.     *
 *       PERIOD USED =   0.585848 SEC.                                        *
 *     DESIGN BASE SHEAR =  1.00 X  0.400 X    1142013.500                    *
 *                       =     456805.375  KG                                 *
 *                                                                            *
 ******************************************************************************



-------------------------------< PAGE 3 Ends Here >--------------------------
  STAAD SPACE                                                -- PAGE NO.     4


 ******************************************************************************
 *  EQUIVALENT SEISMIC LOADS AS PER CFE 1993 CODE ALONG Z                     *
 *   ZONE = C SOIL TYPE = II  GROUP = B                                       *
 *       TS =   0.000000 SEC.                                                 *
 *   PERIOD CALCULATED =   0.385771 SEC. PERIOD PROVIDED =  0.000000 SEC.     *
```

Total Page: 214 CAP NUM

Design Earthquake

Analysis - Whole Structure

- STAAD SPACE
- START JOB INFORMATION
- INPUT WIDTH 79
- UNIT METER KG
- JOINT COORDINATES
- MEMBER INCIDENCES
- ELEMENT INCIDENCES SHELL
- ELEMENT PROPERTY
- DEFINE MATERIAL START
- MEMBER PROPERTY AMERICAN
- MEMBER PROPERTY AMERICAN
- CONSTANTS
- SUPPORTS
- DEFINE CFE LOAD
- LOAD 1 LOADTYPE Seismic TITLE SX
- LOAD 2 LOADTYPE Seismic TITLE SZ
- LOAD 3 LOADTYPE Dead TITLE CM
- LOAD 4 LOADTYPE Live REDUCIBLE TITLE
- LOAD 5 LOADTYPE Live REDUCIBLE TITLE
- PERFORM ANALYSIS
- START CONCRETE DESIGN
- FINISH

Define Commands...

Load 1

Assign Close Help

Activar Windows
Ve a Configuración para activar Windows.

For Help, press F1

Modeling Mo Load 1 : SX Input Units: kg-m

9:46
09/03/2022