



Assignment Template for Uploading to Blackboard

MECH 4259

Summer 2021

Assignment #5

Last Name: Posarajah

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Lab Section: 52

After completing the front page,

- a) answer the questions on page 2,
- b) Insert a representative CAD screen capture image on top of page 3,
- c) Insert a representative Stress screen capture image at bottom of page 3 ,
- d) save this template as PDF,
- e) upload according to the instruction provided by the instructor.

GA initials	Questions out of 5	CAD image out of 2	Stress image out of 3	Total out of 10

Answer the following five questions (5 points):

1- What type of element was used? Solid / Shell / Beam

Solid for the cylinder, Shell for the plank and beam for the cables.

2- What order element was used? Linear/Parabolic

Linear

3- What material was used?

Steel

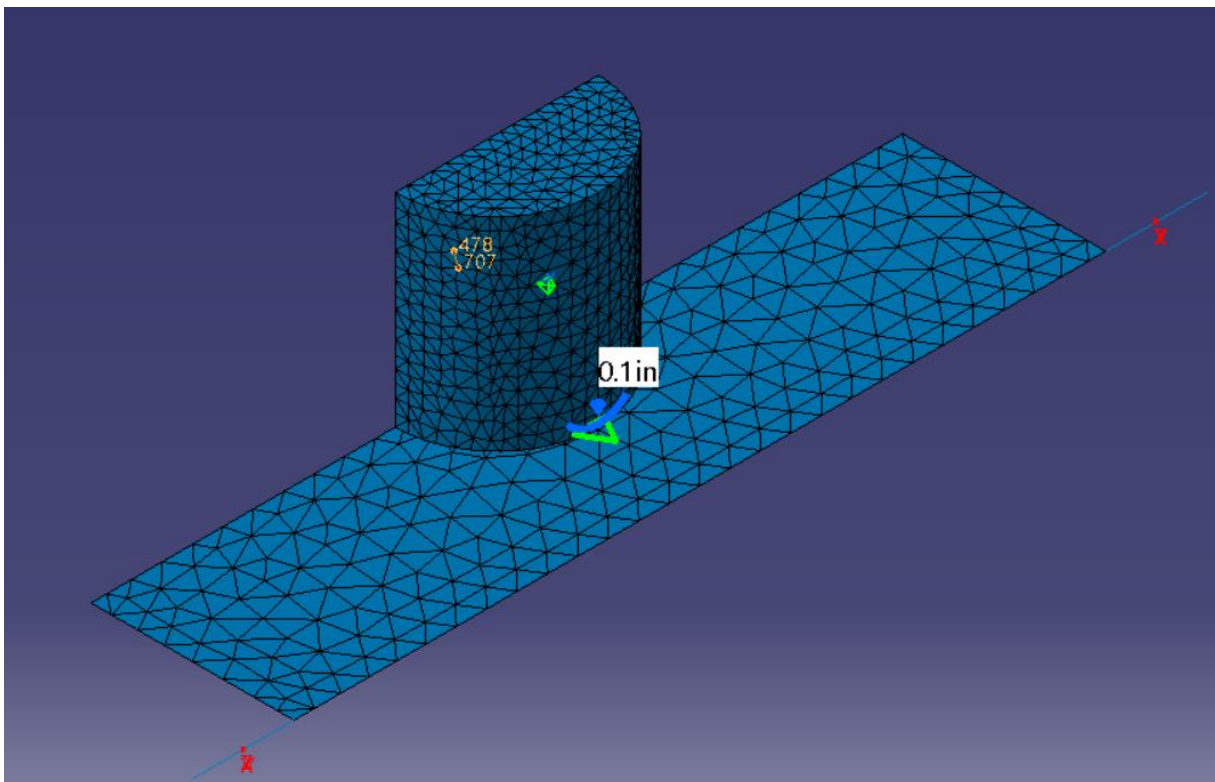
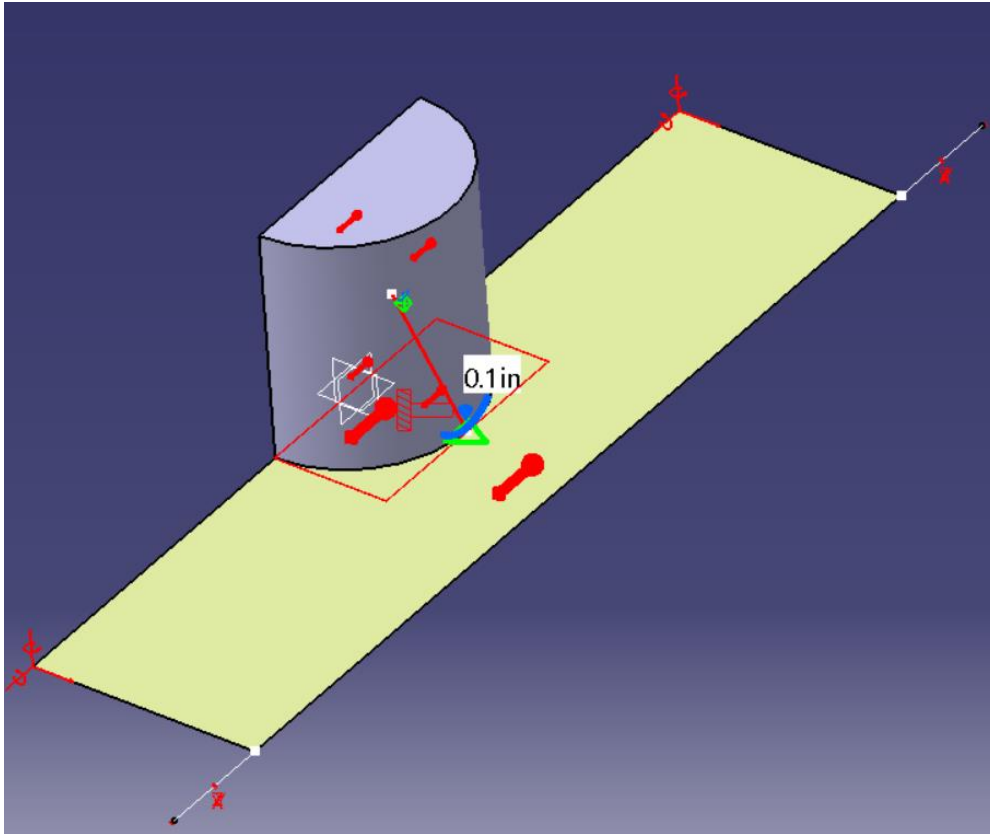
4- Where is the most critical position for static failure?

Failure occurs at the front and back edges of the plank

5- How many elements do you have in the model?

2183 Nodes and 9034 Elements

Insert a Representative CAD Screen Capture Image (2 points):



Insert Representative Stress Screen Capture Image (3 points):

