PROJECT ONE: MILESTONE 3B – COVER PAGE

Team Number: Tues-26

Please list full names and MacID's of all *present* Team Members

Full Name:	MacID:
Sophia Workun	workus1
Emilia Pisic	pisice
Ehsaan Khan	khane16
Jackson Lippert	lippertj
Sana Khan	khans288

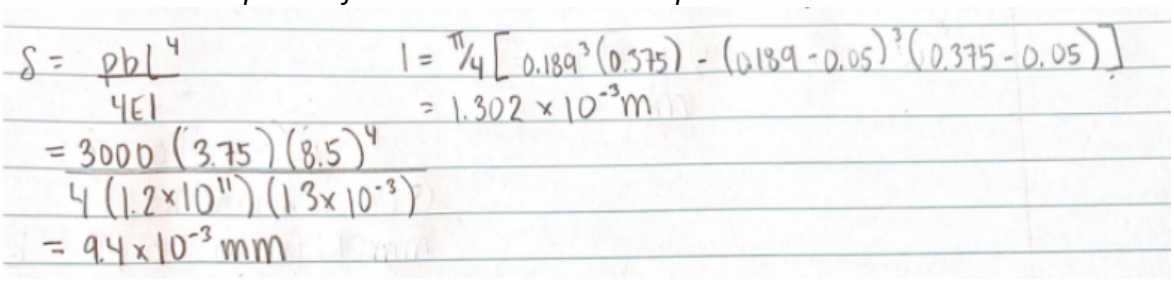
MILESTONE 3B – DESIGN EMBODIMENT

Team Number: Tues-26

1. Deflection Estimation (Stage 1)

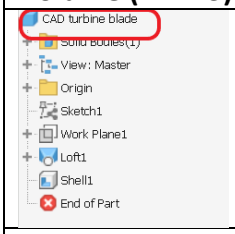
Estimate deflection δ (mm):	9.4x10^-3mm

Insert calculation or photo of hand calculation in the space below.

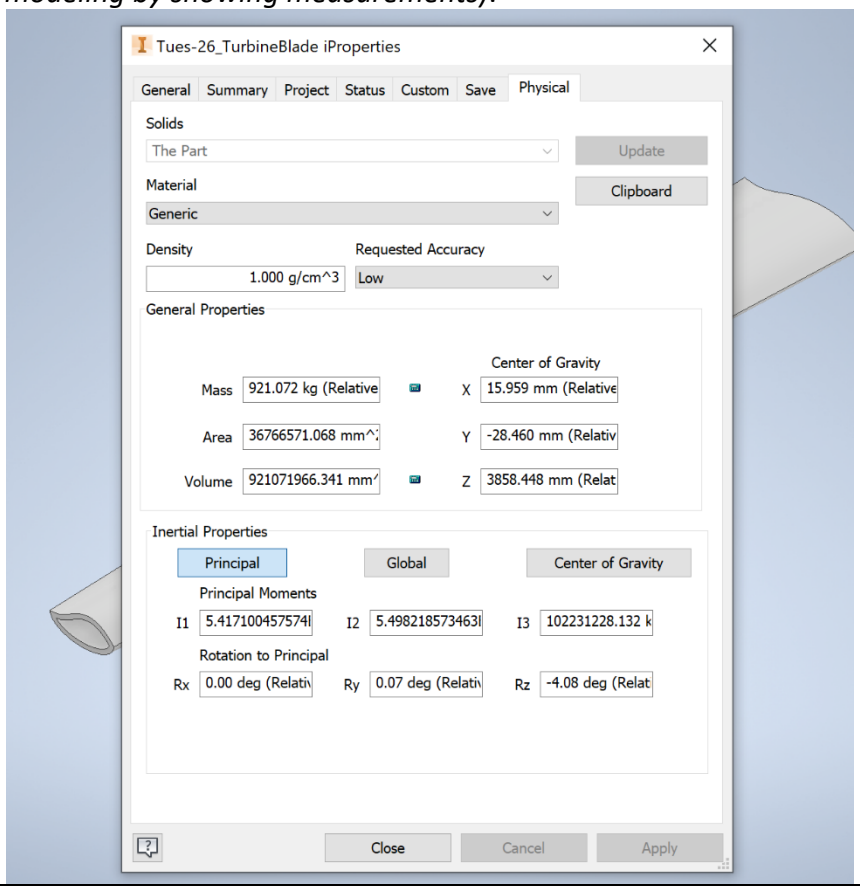


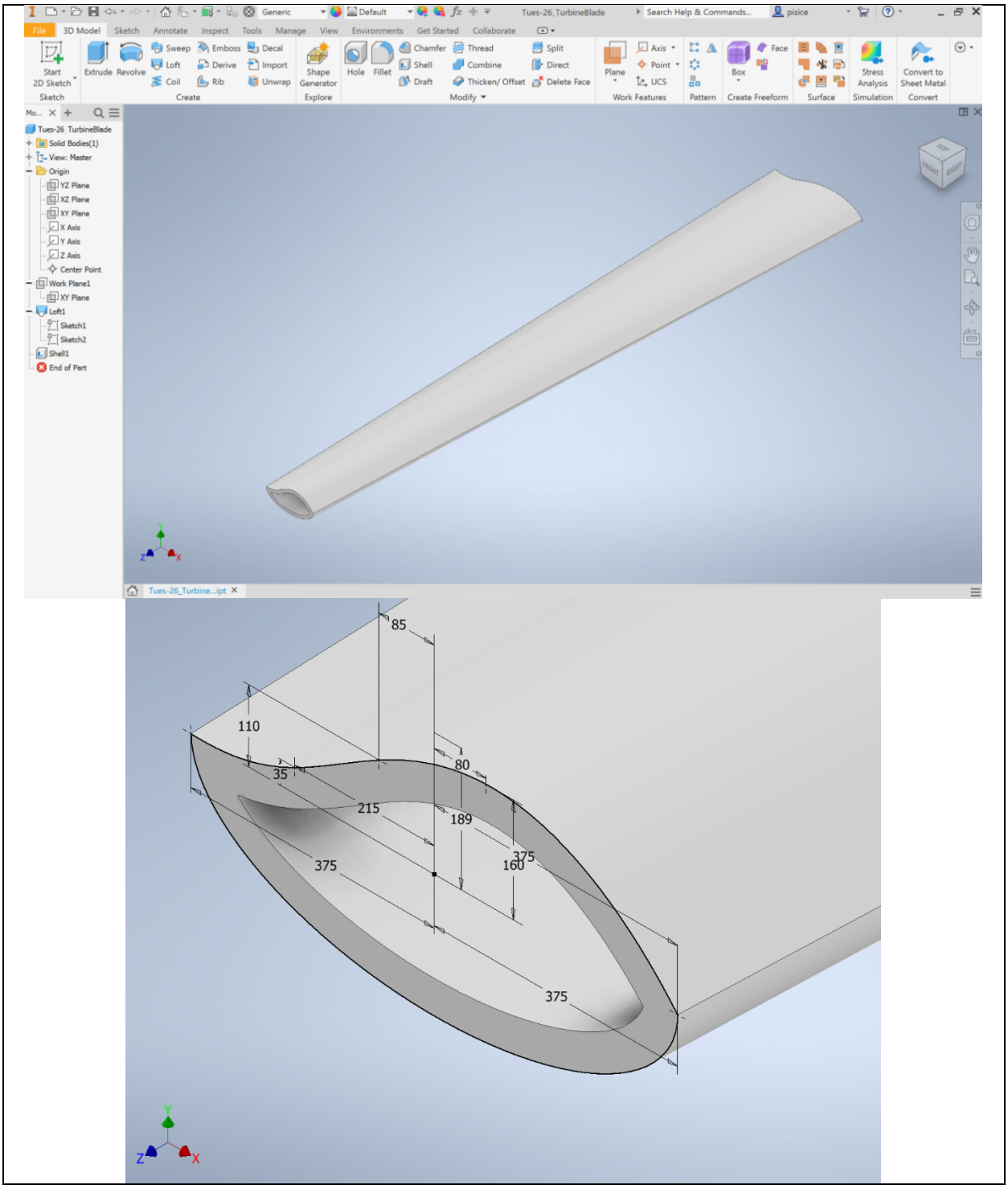
Team Number: Tues-26

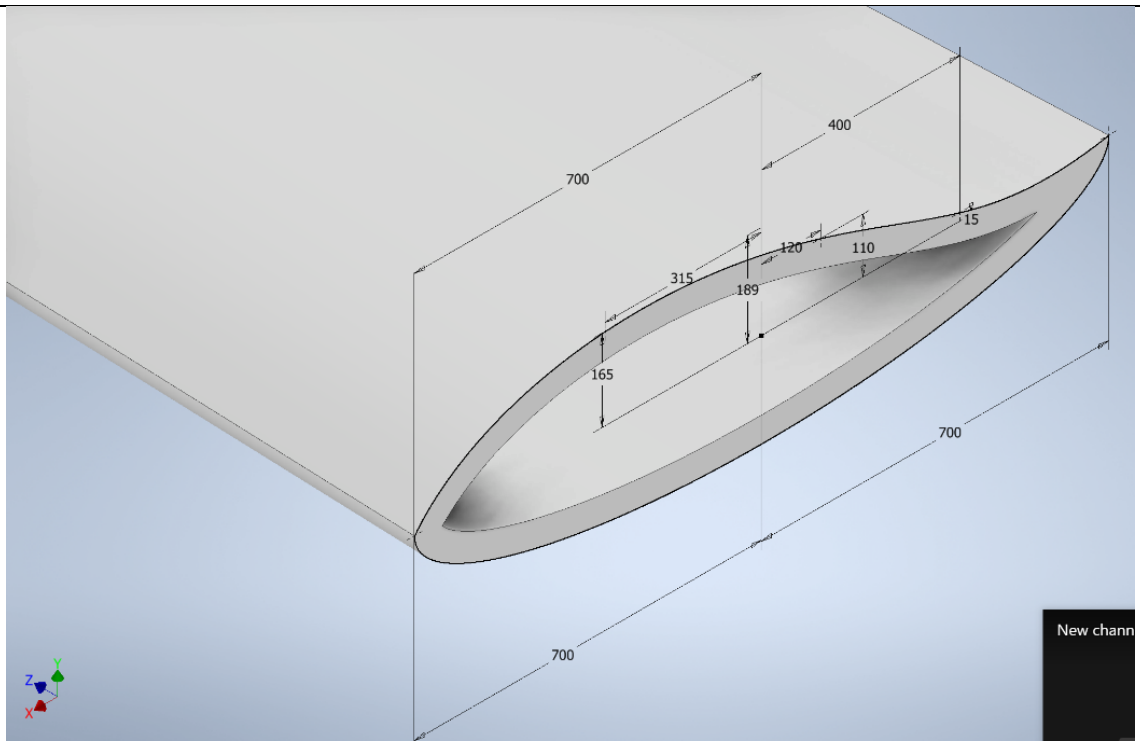
2. Solid Model of Turbine Blade (Stage 2)

Volume (mm^3):	
	Steps to find the volume: 1. Right-click on 3D part (see picture to the left) 2. Click on “iProperties” 3. Click on the tab called “Physical” 4. Click on “Update” to show the **volume**

Insert screenshots of your team’s solid models in multiple views (please show evidence of accurate CAD modeling by showing measurements).




Tues-26_TurbineBlade
Search Help & Commands...
pisice
File
3D Model
Sketch
Annotate
Inspect
Tools
Manage
View
Environments
Get Started
Collaborate
Start 2D Sketch
Extrude
Revolve
Sweep
Loft
Coil
Emboss
Derive
Rib
Decal
Import
Unwrap
Shape Generator
Hole
Fillet
Chamfer
Shell
Draft
Thread
Combine
Thicken/ Offset
Split
Direct
Delete Face
Plane
Axis
Point
UCS
Box
Face
Stress Analysis
Convert to Sheet Metal
Create
Explore
Modify
Work Features
Pattern
Create Freeform
Surface
Simulation
Convert
Tues-26 TurbineBlade
Solid Bodies(1)
View: Master
Origin
YZ Plane
XZ Plane
XY Plane
X Axis
Y Axis
Z Axis
Center Point
Work Plane1
XY Plane
Loft1
Sketch1
Sketch2
Shell1
End of Part
Tues-26_Turbine...ipt
85
110
35
80
215
189
375
160
375
375


700
400
15
120
110
315
189
165
700
700
New chann

Team Number: Tues-26

3. Deflection Simulation (Stage 3)

Simulated deflection δ (mm):	5.503mm

Insert screenshots of your team's deflection simulation and provide evidence of the simulated deflection.