



# Mec E 468 Numerical Simulation in Mechanical Engineering Design

## AUTOMARK REPORT

**Semester: Win 2022**

**Instructor: Prof. David S. Nobes**

**Student Name:**

**Assignment: Assignment No 1**

**PROCESSING DATE: August 5, 2022**

*AUTOMark Assessment Grade: **272 out of 291***

*AUTOMark Recommended Grade: **93 out of 100***

**NOTE: This grade is preliminary only and needs to be confirmed.**

The following pages include each of the drawings in the following order:

- Your submission
- Your submission marked by AutoMARK
- The solution

**Other important points:**

- Examples are given on eClass of how to interpret the mark-up symbols used by AUTOMark.
- If you have any questions, discuss with you TA in the next lab time.

DRAWING CREATION DATE: 31-Dec-2019 13:57:09

DRAWING LAST SAVE DATE: 05-Aug-2022 14:55:05

MODEL CREATION DATE: 29-Dec-2019 12:49:16

MODEL LAST SAVE DATE: 05-Aug-2022 14:23:34

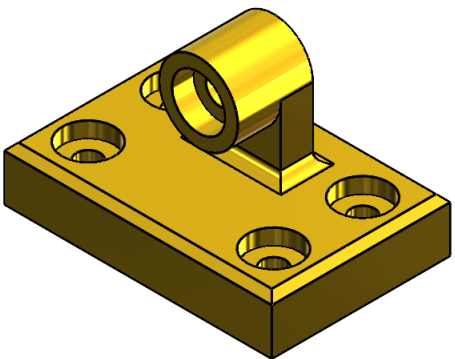
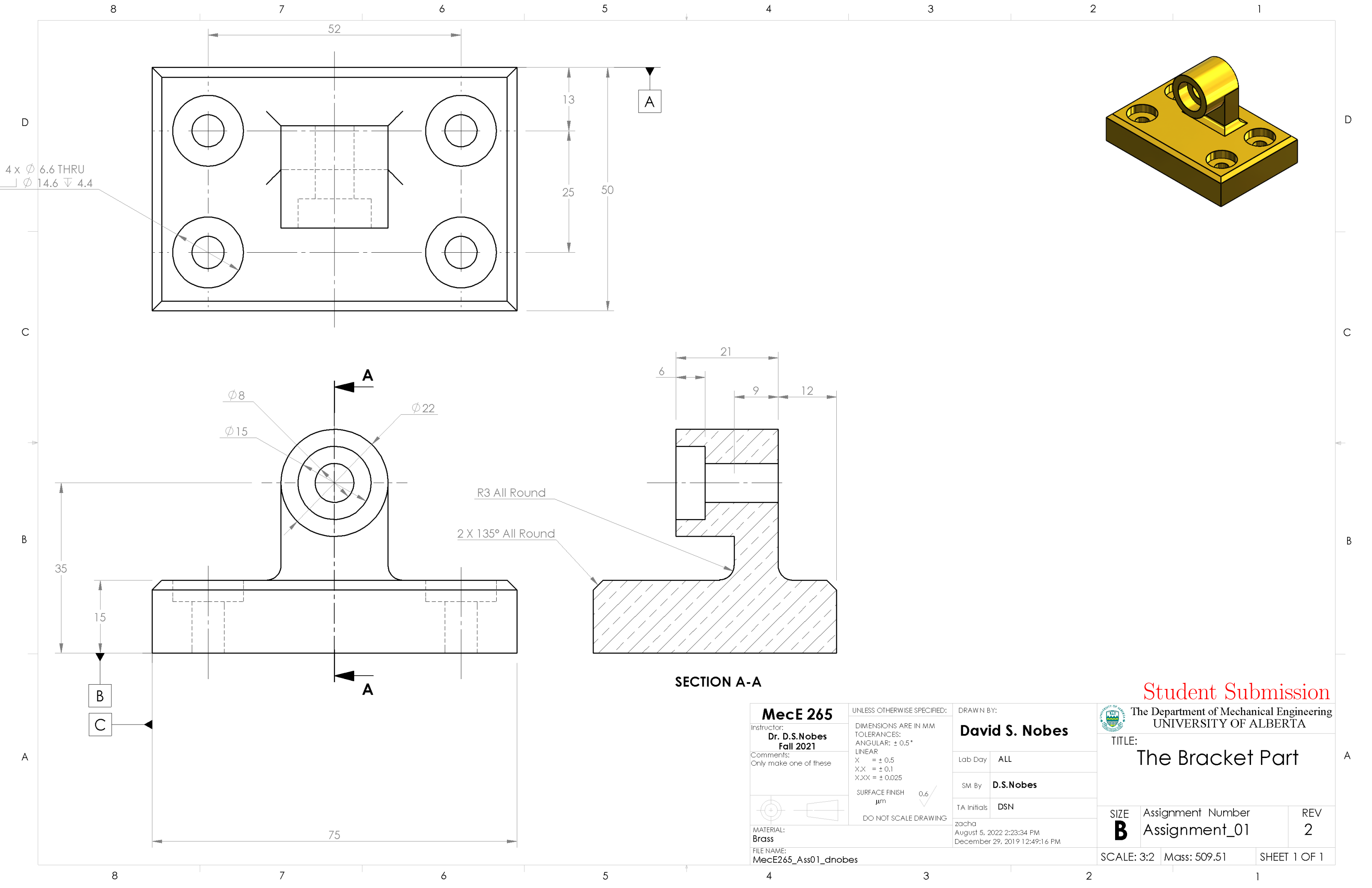
AutoMARK details:

- Sheetnames should contain only alphabetical characters
- Weights of feature properties are set by the marker
- AutoMARK v 4.0 software written and designed by Owen Stadlwieser

AutoMARK Criterion (The weights of these criterion are decided by the marker):

- DRAWING: SheetOrder, ExtraSheets
- SHEET: SheetPaperSize, SheetScale, SheetTemplate, SheetExtraBOMS, SheetExtraViews, SheetViewTypes, SheetIntersectingBallons
- BILLOFMATERIALS: BOMTableType, BOMNumberColumns, BOMNumberRows, BOM-Position, BOMTableHeight, BOMTableWidth, BOMFontType, BOMFontSize
- VIEW: ViewScale, ViewDisplayStyle, ViewExtraDimension, ViewPosition, ViewExtra-CenterMarks, ViewMass, ViewMaterial, ViewExtraDatums, ViewWrongProjection, ViewEx-traCenterlines
- DIMENSION: DimensionDangling, DimensionWrongView, DimensionPosition, Dimen-sionArrowSide, DimensionValue, DimensionBadText
- CENTERLINE: CenterlineDangling, CenterlinePosition
- CENTERMARK: CentermarkDangling, CentermarkPosition, CentermarkShowlines, Cen-termarkAngle, CentermarkConnectionLines, CentermarkExtensions, CentermarkGap, CentermarkSize, CentermarkGroupedCorrectly
- DATUM: DatumDangling, DatumWrongView, DatumPosition, DatumLabel, DatumDis-playStyle, DatumFilledTriangle
- Ballon: BallonDangling, BallonPosition

Symbol/Colour	Meaning
✓	No deductions on feature
Colour	Incorrect value
Colour	Miscellaneous error
Colour	Incorrect Position
Colour	Unrecognized feature
Colour	Missing feature
?	Feature not found on key



Student Submission




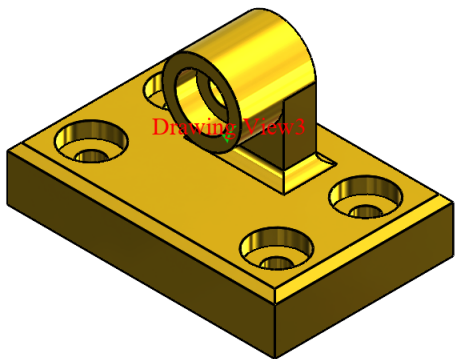
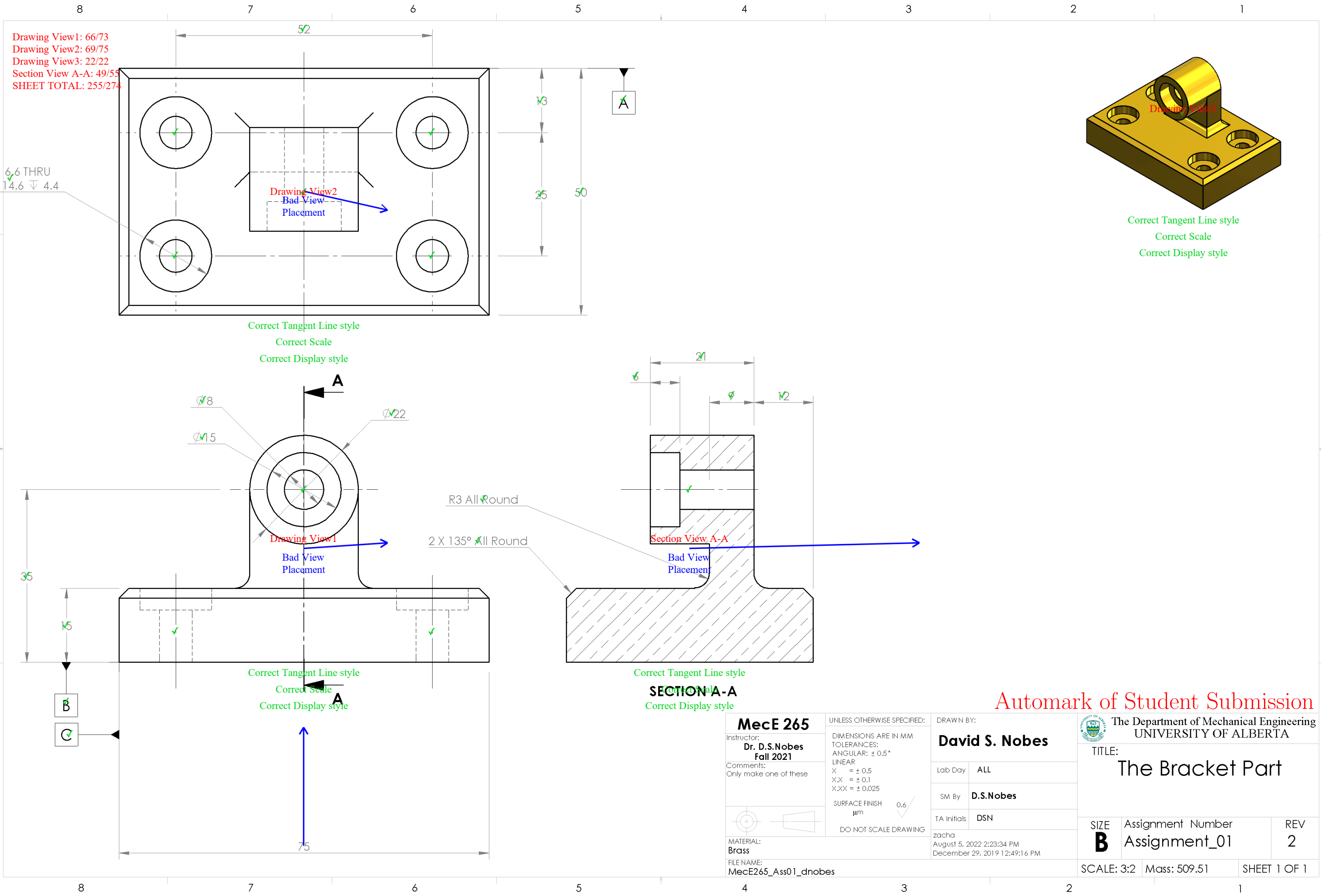
The Department of Mechanical Engineering  
UNIVERSITY OF ALBERTA

TITLE:  
The Bracket Part

SIZE <b>B</b>	Assignment Number Assignment_01	REV 2
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SCALE: 3:2	Mass: 509.51	SHEET 1 OF 1
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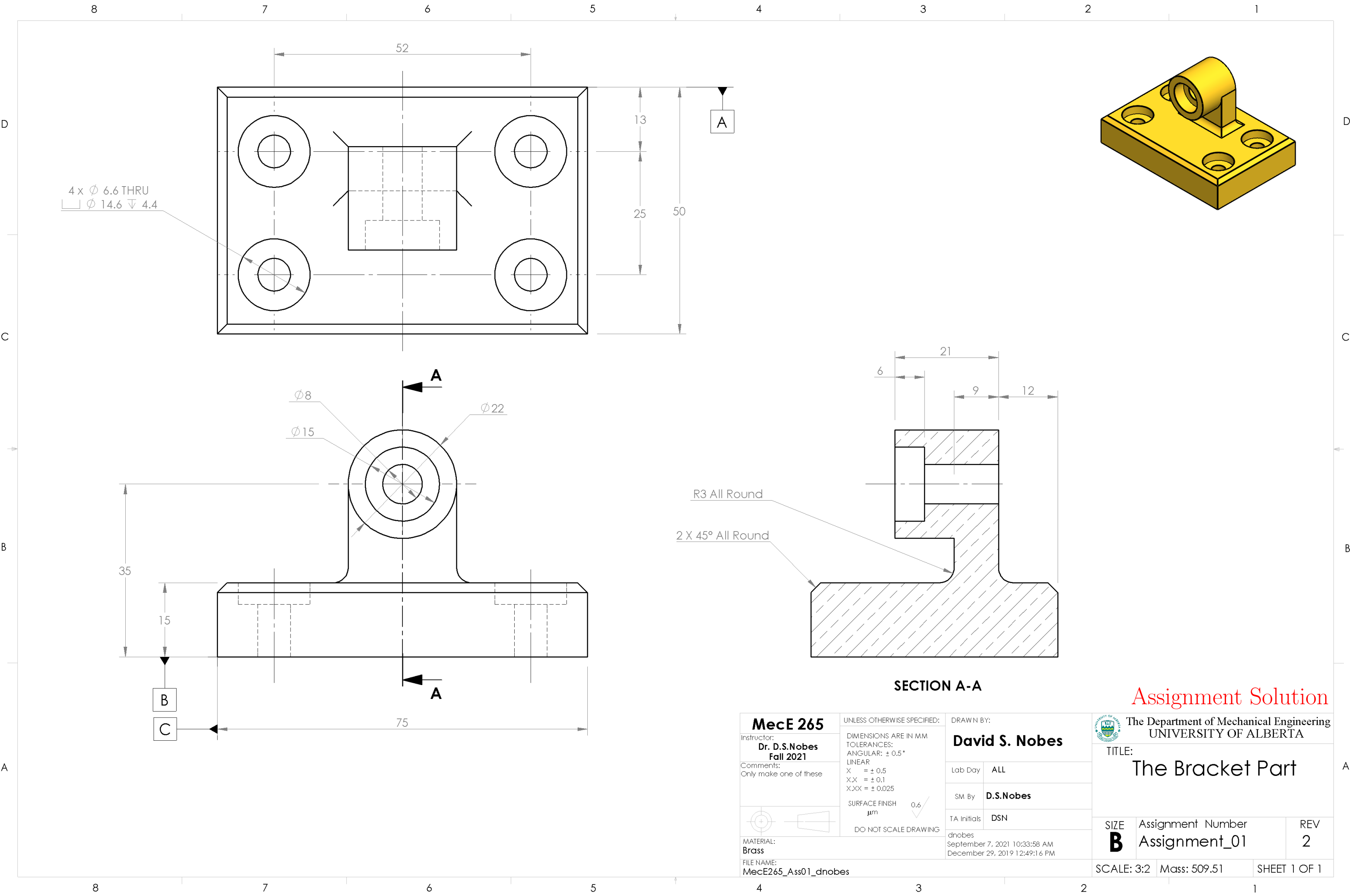
<b>MecE 265</b> Instructor: <b>Dr. D.S.Nobes</b> Fall 2021 Comments: Only make one of these		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: $\pm 0.5^\circ$ LINEAR X = $\pm 0.5$ X.X = $\pm 0.1$ X.XX = $\pm 0.025$  SURFACE FINISH $\mu\text{m}$ 0.6 DO NOT SCALE DRAWING		DRAWN BY: <b>David S. Nobes</b>  Lab Day ALL  SM By <b>D.S.Nobes</b>  TA Initials DSN  zacha August 5, 2022 2:23:34 PM December 29, 2019 12:49:16 PM	
 MATERIAL: Brass FILE NAME: MecE265_Ass01_dnobes					





Correct Tangent Line style  
Correct Scale  
Correct Display style

Automark of Student Submission

<b>MecE 265</b>		UNLESS OTHERWISE SPECIFIED:		DRAWN BY:		 The Department of Mechanical Engineering UNIVERSITY OF ALBERTA	
Instructor: <b>Dr. D.S.Nobes</b> <b>Fall 2021</b>		DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: $\pm 0.5^\circ$ LINEAR X = $\pm 0.5$ X.X = $\pm 0.1$ X.XX = $\pm 0.025$		<b>David S. Nobes</b>		TITLE:	
Comments: Only make one of these				Lab Day	ALL	The Bracket Part	
				SM By	<b>D.S.Nobes</b>		
				TA Initials	DSN		
				zacha August 5, 2022 2:23:34 PM December 29, 2019 12:49:16 PM			
MATERIAL: Brass				SIZE <b>B</b>		Assignment Number Assignment_01	REV 2
FILE NAME: MecE265_Ass01_dnobes				SCALE: 3:2		Mass: 509.51	SHEET 1 OF 1



Assignment Solution

<b>MecE 265</b>		UNLESS OTHERWISE SPECIFIED:		DRAWN BY:		 The Department of Mechanical Engineering UNIVERSITY OF ALBERTA	
Instructor: <b>Dr. D.S.Nobes</b> Fall 2021		DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: $\pm 0.5^\circ$ LINEAR X = $\pm 0.5$ X.X = $\pm 0.1$ X.XX = $\pm 0.025$		<b>David S. Nobes</b>		TITLE: <b>The Bracket Part</b>	
Comments: Only make one of these		SURFACE FINISH $\mu\text{m}$ 0.6 ✓		Lab Day	ALL		
		DO NOT SCALE DRAWING		SM By	<b>D.S.Nobes</b>	SIZE <b>B</b> Assignment Number Assignment_01REV 2	
MATERIAL: Brass		dnobes September 7, 2021 10:33:58 AM December 29, 2019 12:49:16 PM		TA Initials	DSN		
FILE NAME: MecE265_Ass01_dnobes						SCALE: 3:2Mass: 509.51SHEET 1 OF 1	