



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: 291 out of 291

AUTOMark Recommended Grade: 100 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: 29-Jun-2022 10:12:37

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

MODEL LAST SAVE DATE: 07-Sep-2021 10:33:58

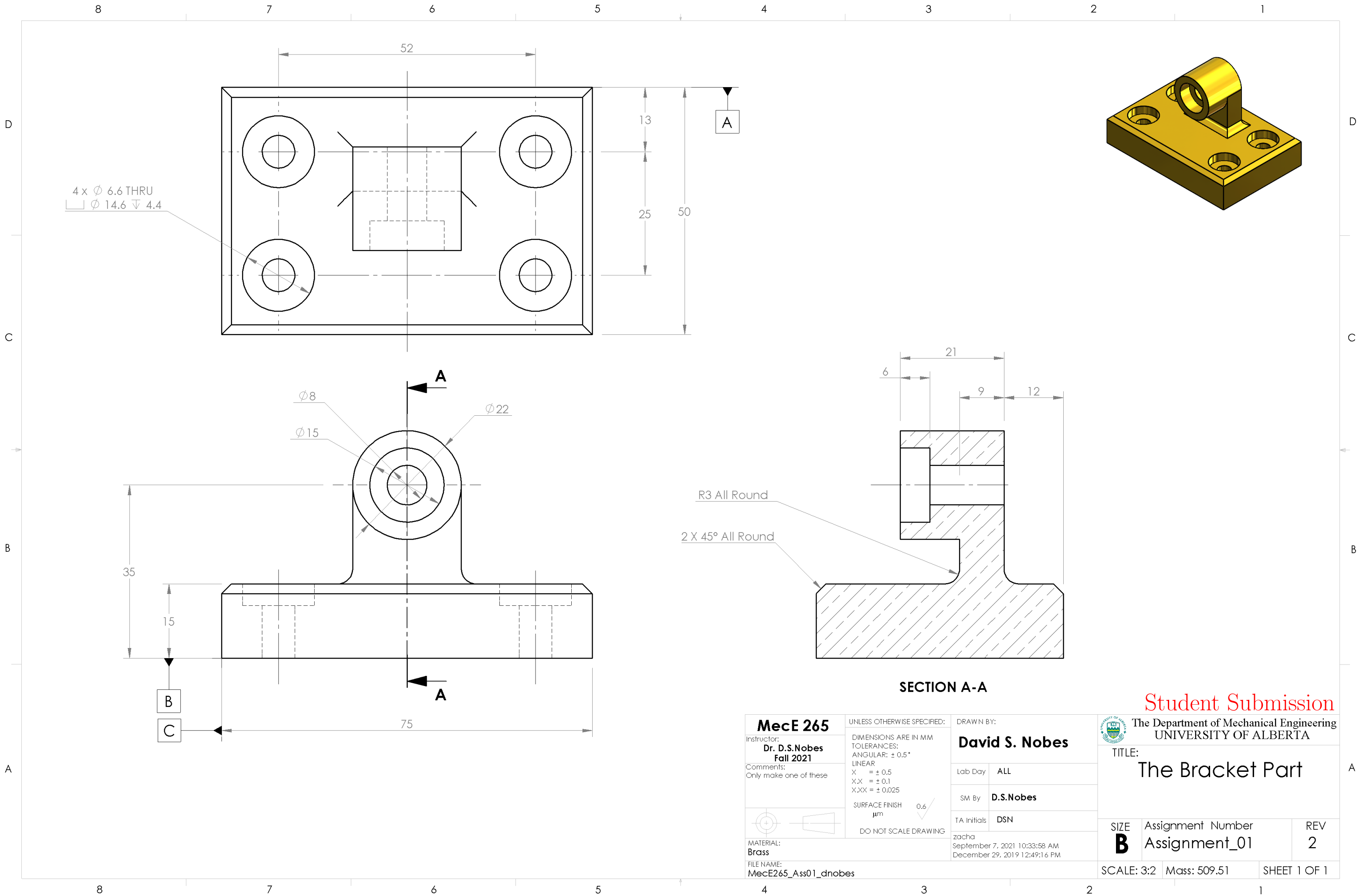
AutoMARK details:

- 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

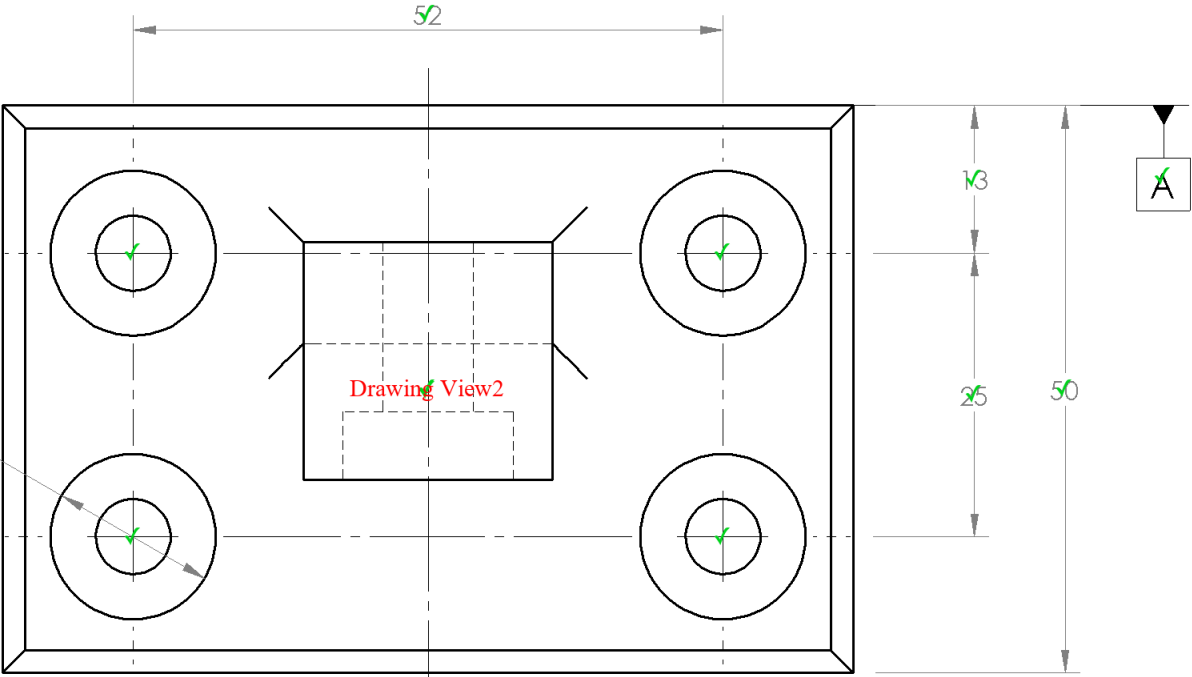
TITLE:
The Bracket Part

SIZE B	Assignment Number Assignment_01	REV 2
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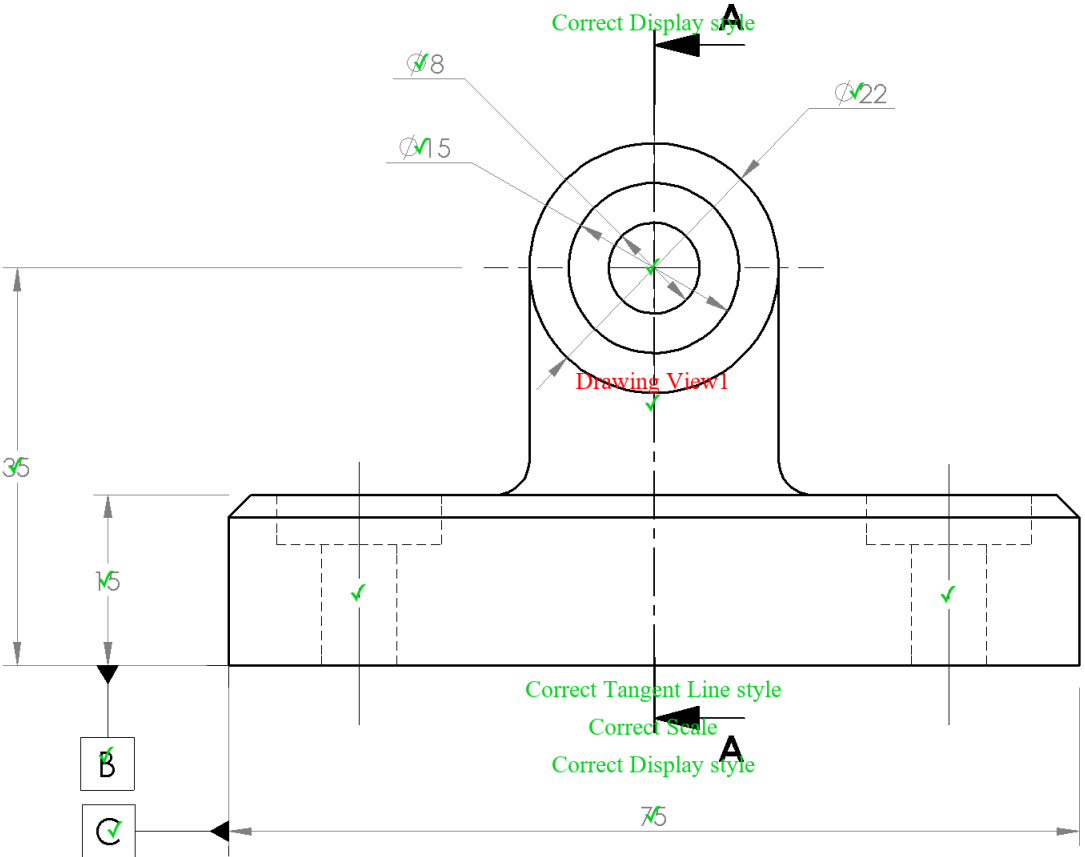
SCALE: 3:2	Mass: 509.51	SHEET 1 OF 1
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Drawing View1: 73/73
Drawing View2: 75/75
Drawing View3: 22/22
Section View A-A: 55/55
SHEET TOTAL: 274/274

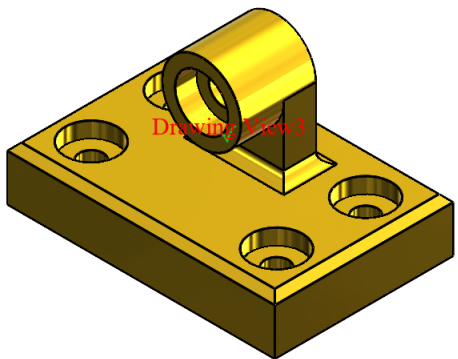
4 x \varnothing 6.6 THRU
 \varnothing 14.6 ∇ 4.4



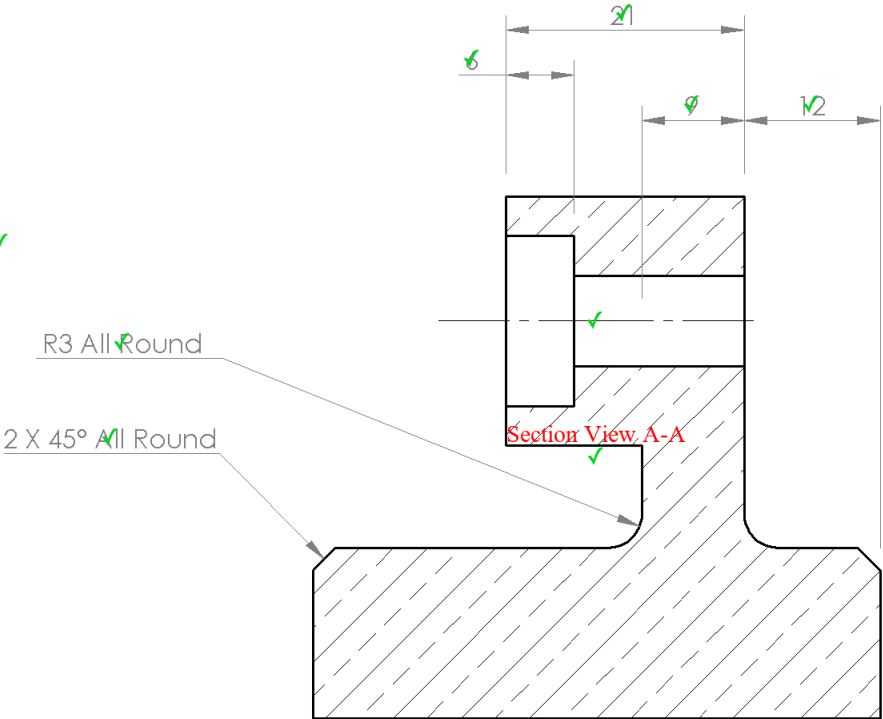
Correct Tangent Line style
Correct Scale
Correct Display style



Correct Tangent Line style
Correct Scale
Correct Display style



Correct Tangent Line style
Correct Scale
Correct Display style



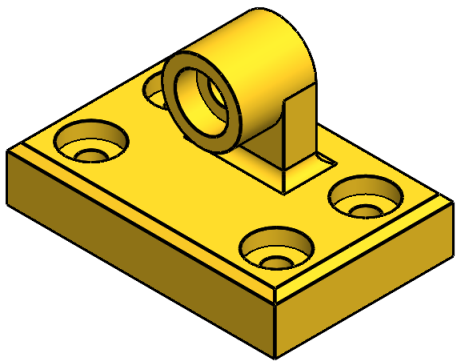
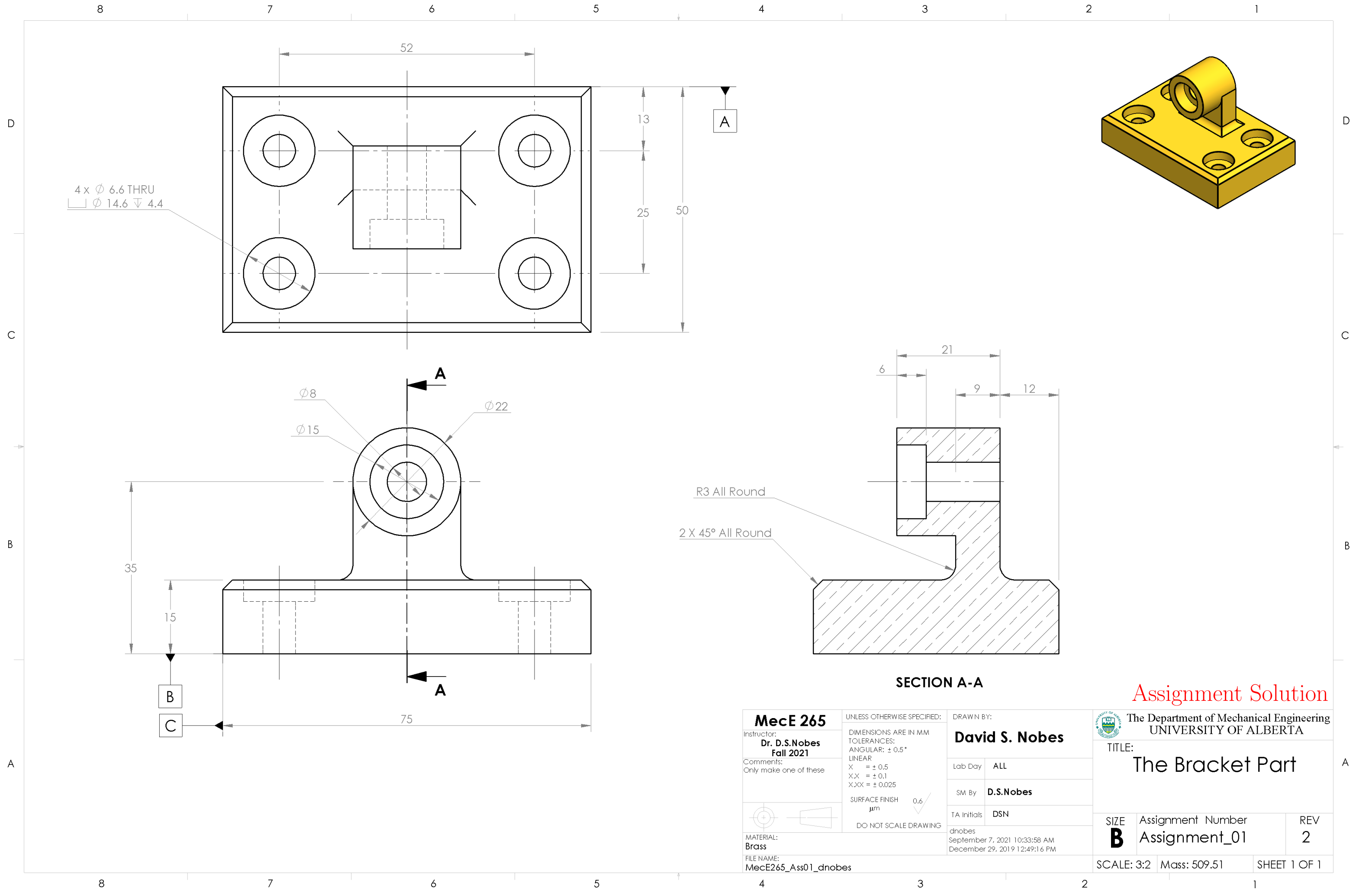
R3 All Round

2 X 45° All Round

Correct Tangent Line style
Correct Scale
Correct Display style

Automark of Student Submission

MecE 265 Instructor: Dr. D.S.Nobes Fall 2021 Comments: Only make one of these		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: $\pm 0.5^\circ$ LINEAR X = ± 0.5 X.X = ± 0.1 X.XX = ± 0.025 SURFACE FINISH μm 0.6 DO NOT SCALE DRAWING		DRAWN BY: David S. Nobes Lab Day ALL SM By D.S.Nobes TA Initials DSN zacha September 7, 2021 10:33:58 AM December 29, 2019 12:49:16 PM		The Department of Mechanical Engineering UNIVERSITY OF ALBERTA TITLE: The Bracket Part	
MATERIAL: Brass FILE NAME: MecE265_Ass01_dnobes		SIZE B		Assignment Number Assignment_01		REV 2	
		SCALE: 3:2		Mass: 509.51		SHEET 1 OF 1	



Assignment Solution





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TITLE:
The Bracket Part

SIZE	Assignment Number	REV
B	Assignment_01	2

SCALE: 3:2	Mass: 509.51	SHEET 1 OF 1
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MecE 265		UNLESS OTHERWISE SPECIFIED:		DRAWN BY:		 The Department of Mechanical Engineering UNIVERSITY OF ALBERTA	
Instructor: Dr. D.S.Nobes Fall 2021		DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: $\pm 0.5^\circ$ LINEAR X = ± 0.5 X.X = ± 0.1 X.XX = ± 0.025 SURFACE FINISH μm 0.6 ✓ DO NOT SCALE DRAWING		David S. Nobes		TITLE:	
Comments: Only make one of these				Lab Day ALL		The Bracket Part	
				SM By D.S.Nobes			
				TA Initials DSN			
		MATERIAL: Brass		dnobes September 7, 2021 10:33:58 AM December 29, 2019 12:49:16 PM		SIZE B	Assignment Number Assignment_01
FILE NAME: MecE265_Ass01_dnobes				SCALE: 3:2		Mass: 509.51	SHEET 1 OF 1