



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: June 30, 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

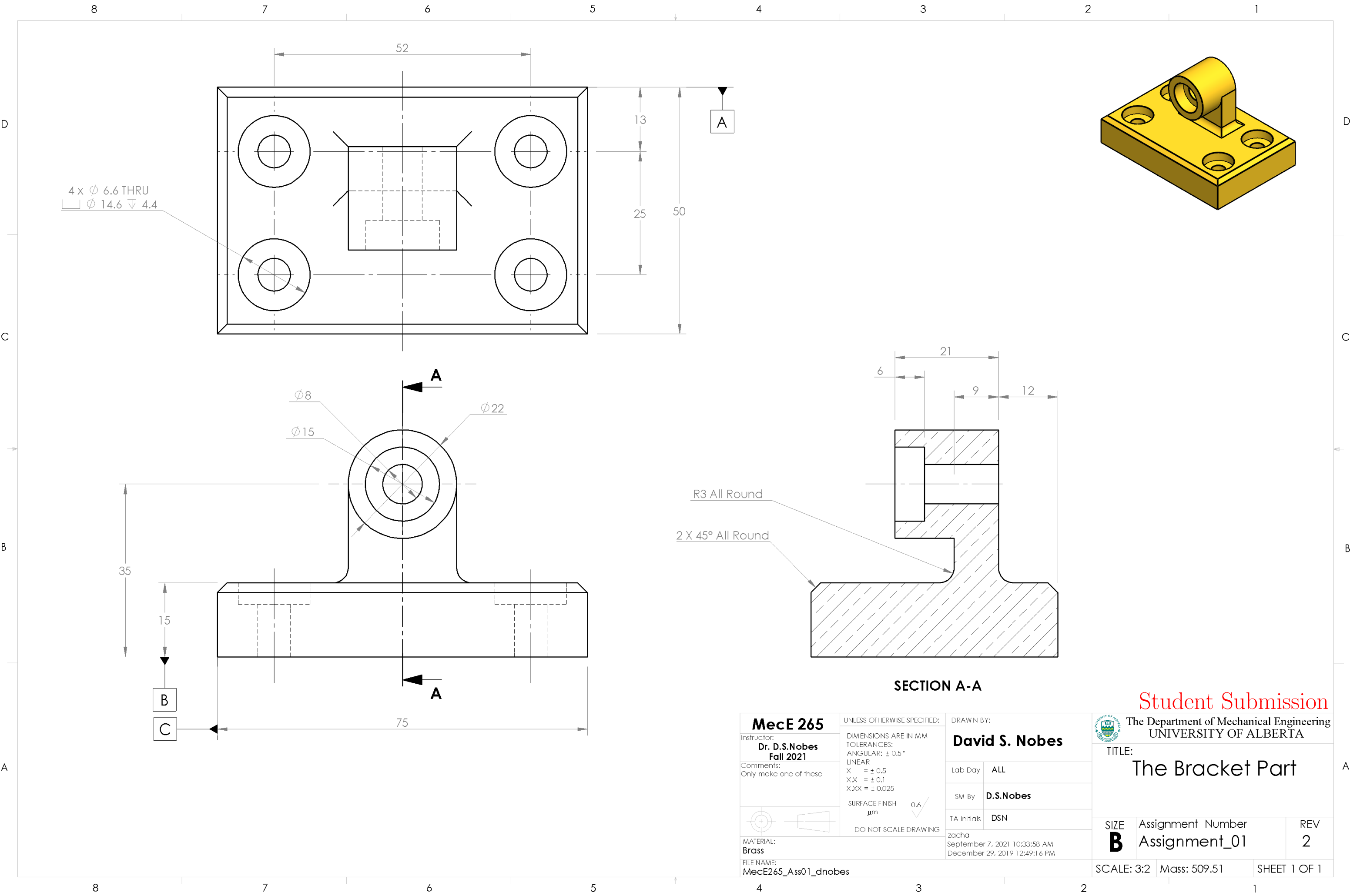
AutoMARK details:

- 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

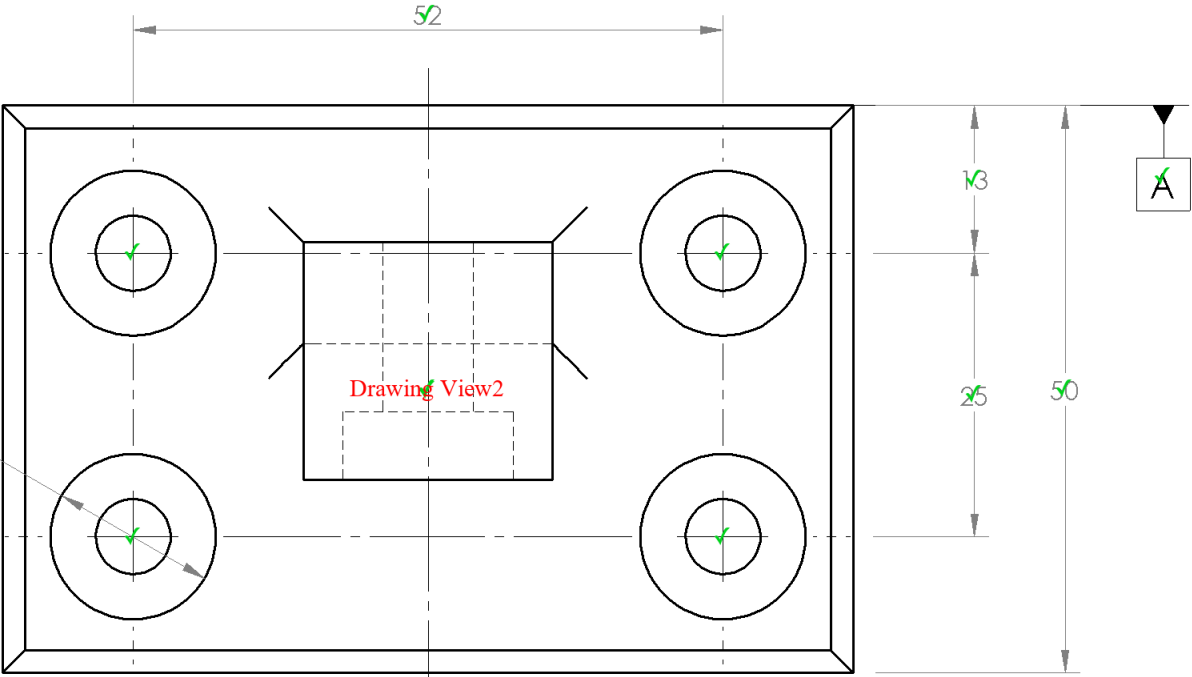
TITLE:
The Bracket Part

MecE 265 Instructor: Dr. D.S.Nobes Fall 2021 Comments: Only make one of these  MATERIAL: Brass FILE NAME: MecE265_Ass01_dnobes	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			

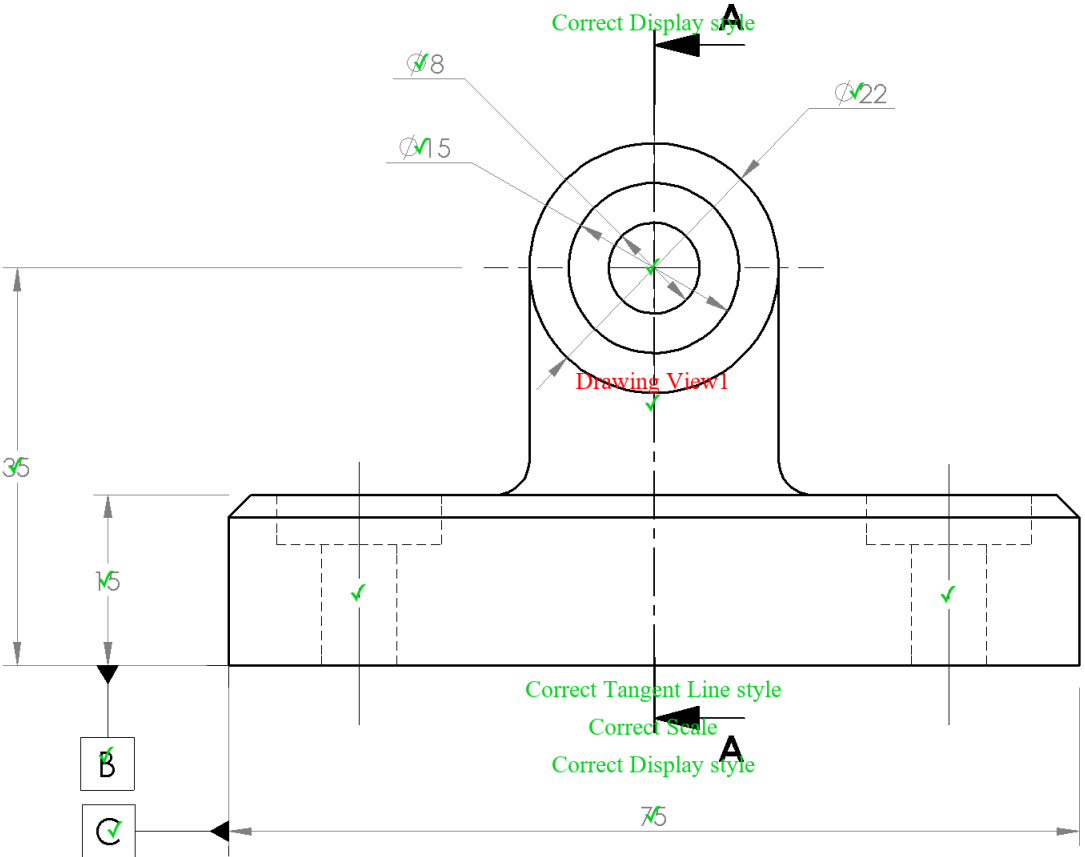
SIZE B	Assignment Number Assignment_01	REV 2
SCALE: 3:2	Mass: 509.51	SHEET 1 OF 1

Drawing View1: 73/73
Drawing View2: 75/75
Drawing View3: 22/22
Section View A-A: 55/55
SHEET TOTAL: 274/274

4 x ϕ 6.6 THRU
 ϕ 14.6 ∇ 4.4



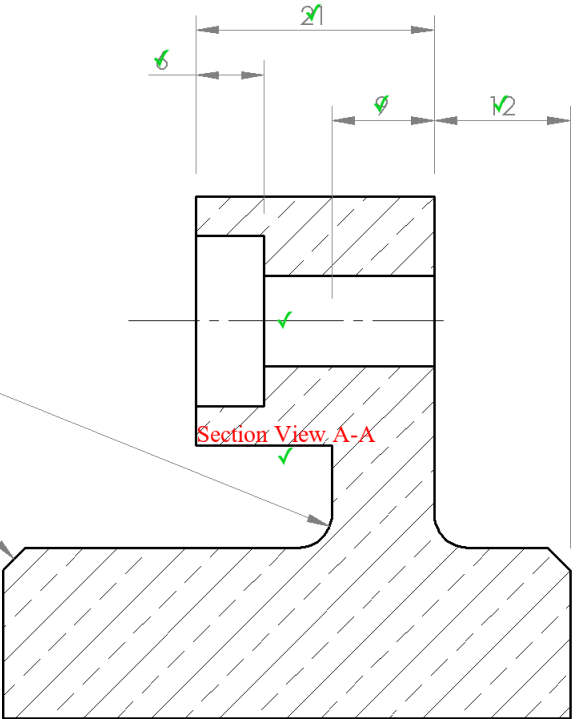
Correct Tangent Line style
Correct Scale
Correct Display style



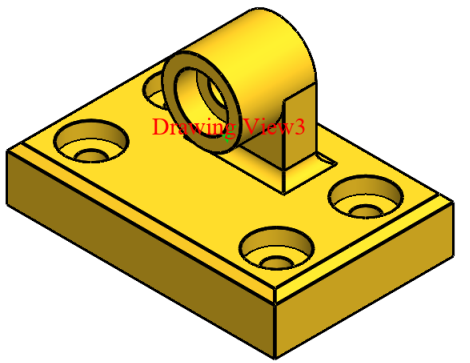
Correct Tangent Line style
Correct Scale
Correct Display style

R3 All Round

2 X 45° All Round





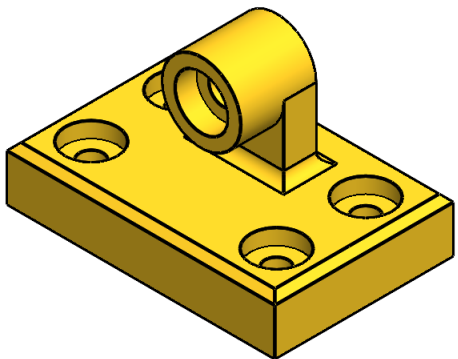
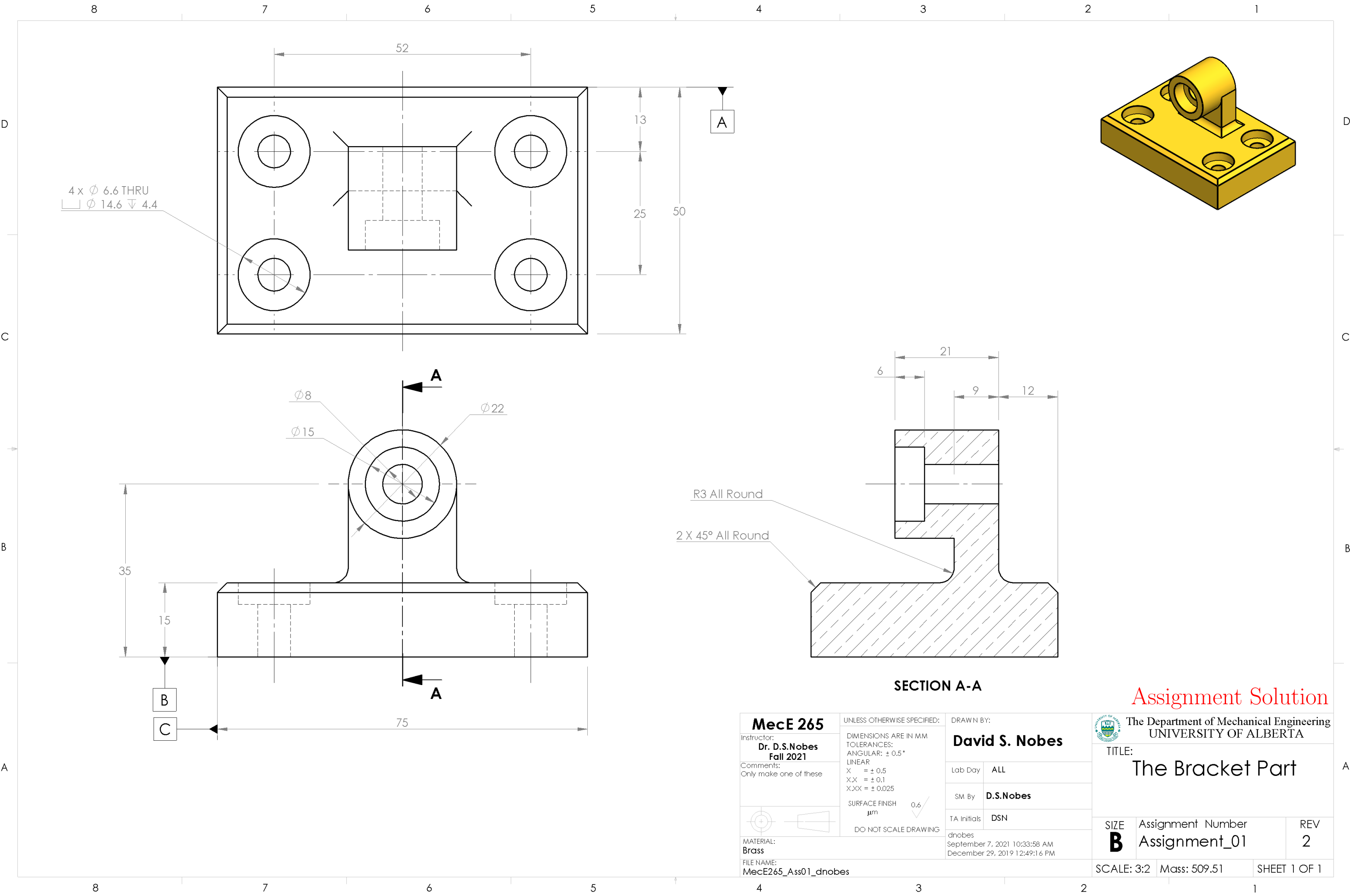
Correct Tangent Line style
SECTION A-A
Correct Display style





Correct Tangent Line style
Correct Scale
Correct Display style

Automark of Student Submission

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

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		David S. Nobes		TITLE:	
Comments: Only make one of these		SURFACE FINISH μm 0.6 ✓		Lab Day	ALL	The Bracket Part	
		DO NOT SCALE DRAWING		SM By	D.S.Nobes		
MATERIAL: Brass		dnobes September 7, 2021 10:33:58 AM December 29, 2019 12:49:16 PM		TA Initials	DSN	SIZE B	Assignment Number Assignment_01
FILE NAME: MecE265_Ass01_dnobes						REV 2	
				SCALE: 3:2	Mass: 509.51	SHEET 1 OF 1	