UNIVERSITY OF ALBERTA
Department of Mechanical Engineering

10-203 Donadeo Innovation Centre for Engineering
Edmonton, Alberta, Canada, T6G 1H9
www.mece.ualberta.ca
Tel: 780.492.3598
Fax: 780.492.2200

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: July 5, 2022

AUTOMark Assessment Grade: **285 out of 291**

AUTOMark Recommended Grade: **98 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 10:13:57

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

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

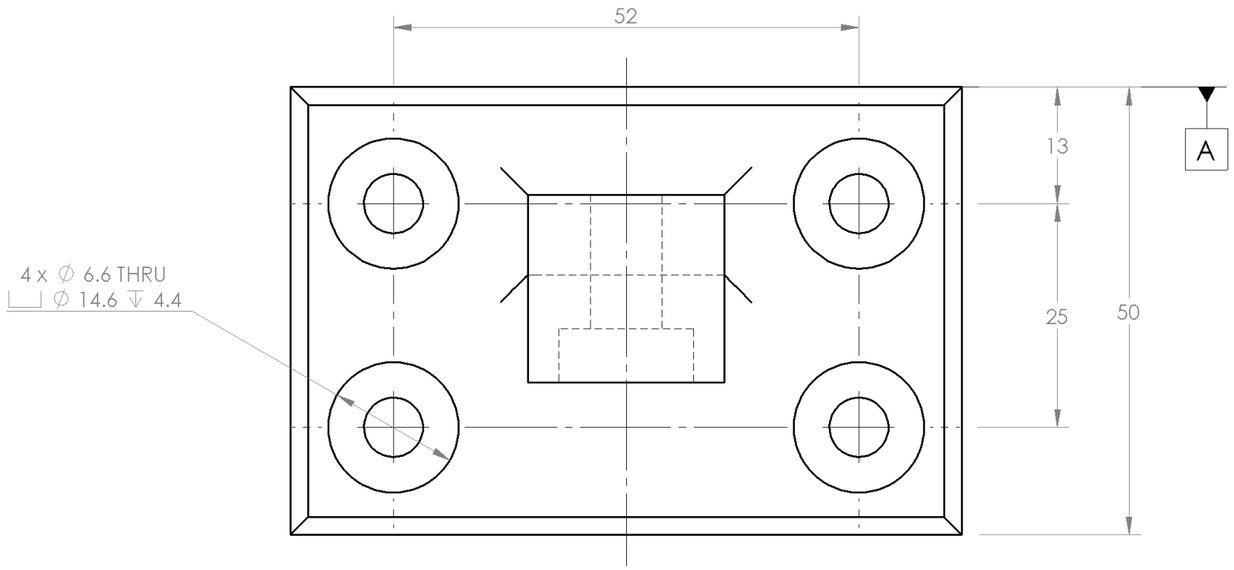
*A*utoMARK details:

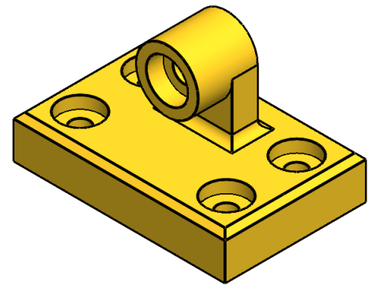
- Sheetnames should contain only alphabetical characters
- Weights of feature properties are set by the marker
- AutoMARK v 4.0 software written and designed by Owen Stadlwieser

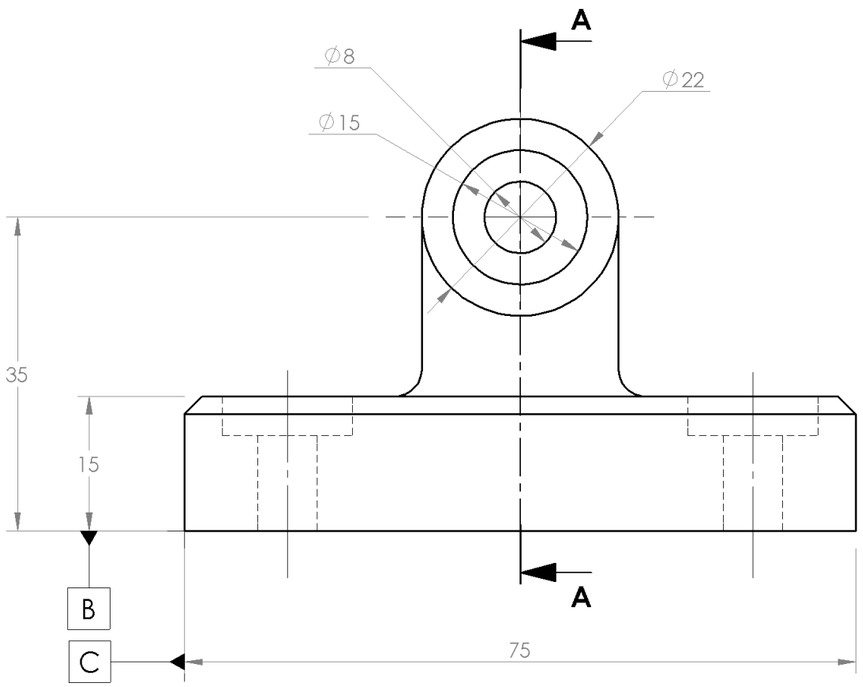
*A*utoMARK Criterion (The weights of these criterion are decided by the marker):

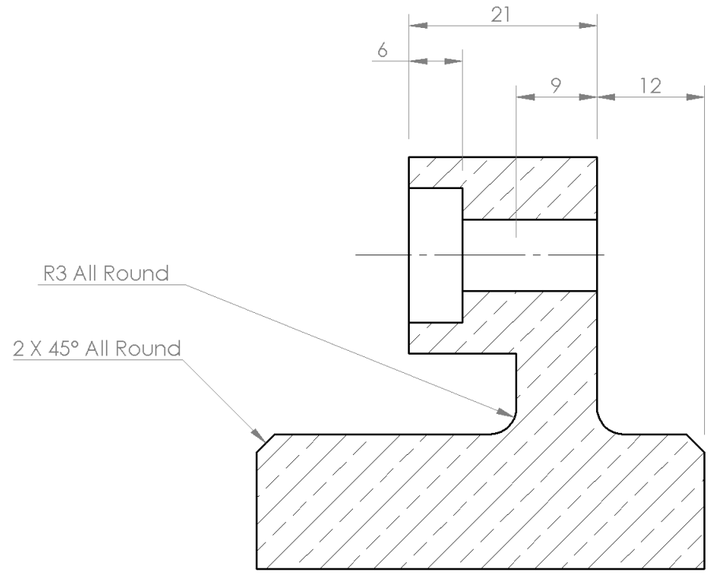
- DRAWING: SheetOrder, ExtraSheets
- SHEET: SheetPaperSize, SheetScale, SheetTemplate, SheetExtraBOMS, SheetExtraViews, SheetViewTypes, SheetIntersectingBallons
- BILLOFMATERIALS: BOMTableType, BOMNumberColumns, BOMNumberRows, BOMPosition, BOMTableHeight, BOMTableWidth, BOMFontType, BOMFontSize
- VIEW: ViewScale, ViewDisplayStyle, ViewExtraDimension, ViewPosition, ViewExtraCenterMarks, ViewMass, ViewMaterial, ViewExtraDatums, ViewWrongProjection, ViewExtraCenterlines
- DIMENSION: DimensionDangling, DimensionWrongView, DimensionPosition, DimensionArrowSide, DimensionValue, DimensionBadText
- CENTERLINE: CenterlineDangling, CenterlinePosition
- CENTERMARK: CentermarkDangling, CentermarkPosition, CentermarkShowlines, CentermarkAngle, CentermarkConnectionLines, CentermarkExtensions, CentermarkGap, CentermarkSize, CentermarkGroupedCorrectly
- DATUM: DatumDangling, DatumWrongView, DatumPosition, DatumLabel, DatumDisplayStyle, DatumFilledTriangle
- Ballon: BallonDangling, BallonPosition

*S*ymbol/Colour	*M*eaning
✓	No deductions on feature
Colour	Incorrect value
Colour	Miscellaneous error
Colour	Incorrect Position
Colour	Unrecognized feature
Colour	Missing feature
?	Feature not found on key







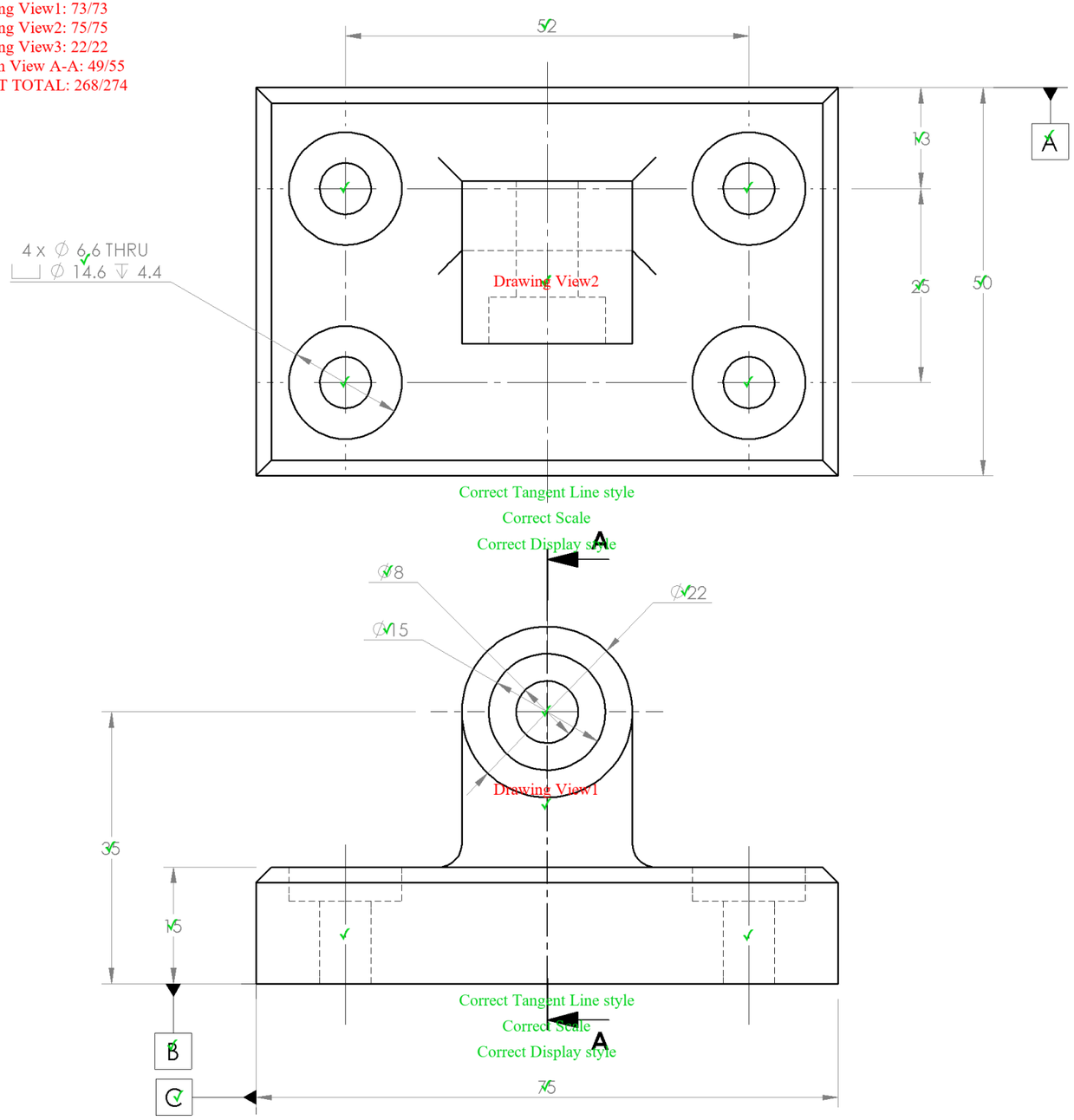


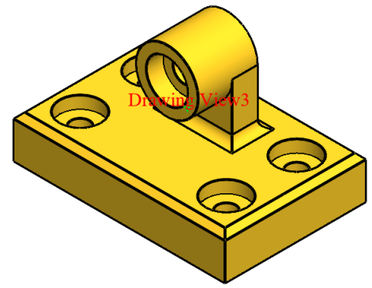
SECTION A-A

Student Submission

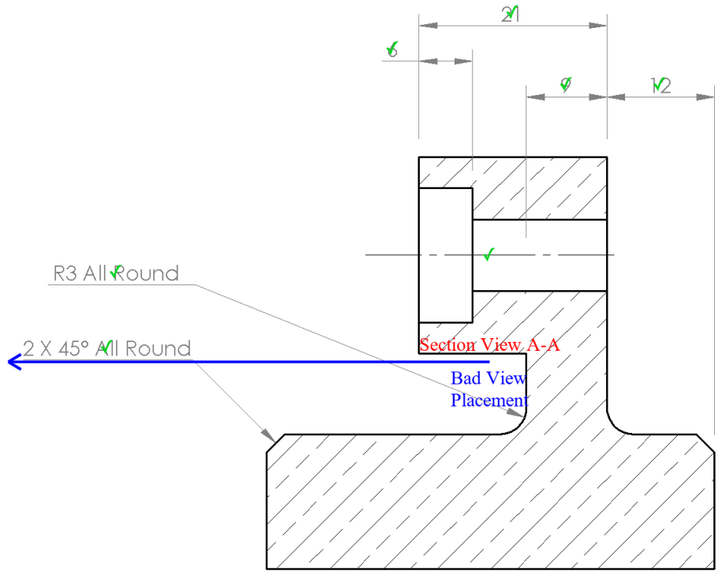
MecE 265 Instructor: **Dr. D.S.Nobes** **Fall 2021** Comments: Only make one of these	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: ± 0.5° LINEAR X = ± 0.5 X.X = ± 0.1 X.XX = ± 0.025 SURFACE FINISH 0.6 µm DO NOT SCALE DRAWING	DRAWN BY: **David S. Nobes** Lab Day: ALL SM By: **D.S.Nobes** 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			SIZE **B** · Assignment Number: Assignment_01 · REV: 2
FILE NAME: MecE265_Ass01_dnobes			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: 49/55
SHEET TOTAL: 268/274





Correct Tangent Line style
Correct Scale
Correct Display style



Correct Tangent Line style
Correct Scale
Correct Display style

SECTION A-A

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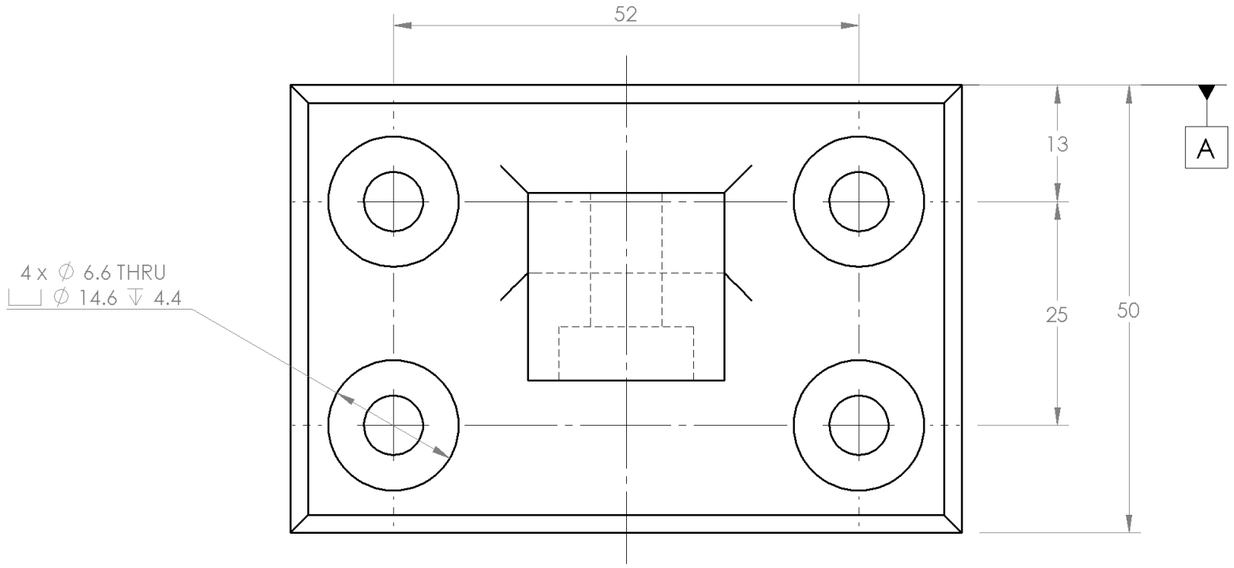

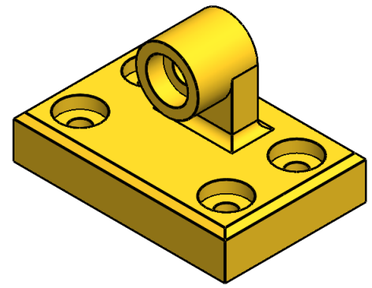

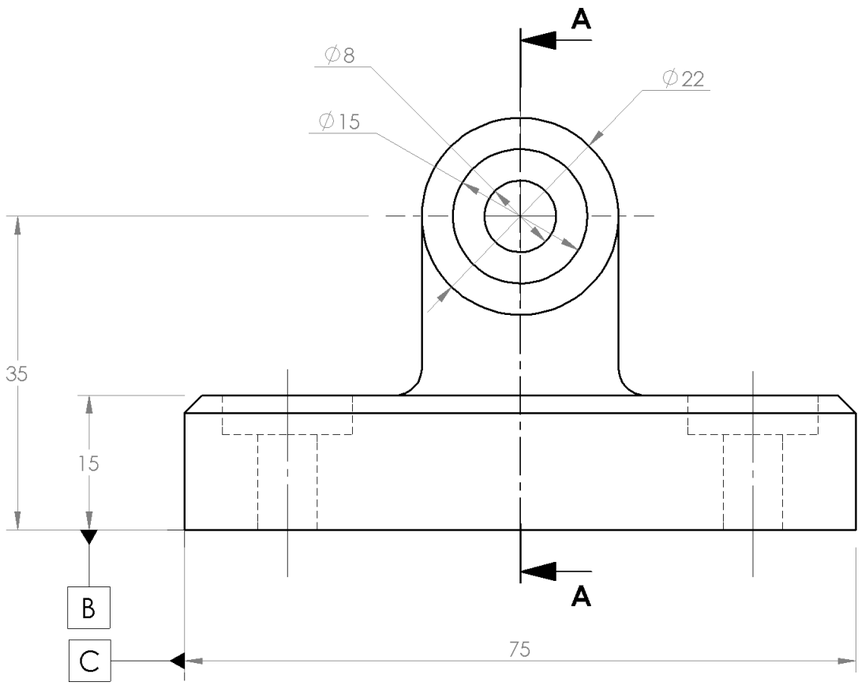

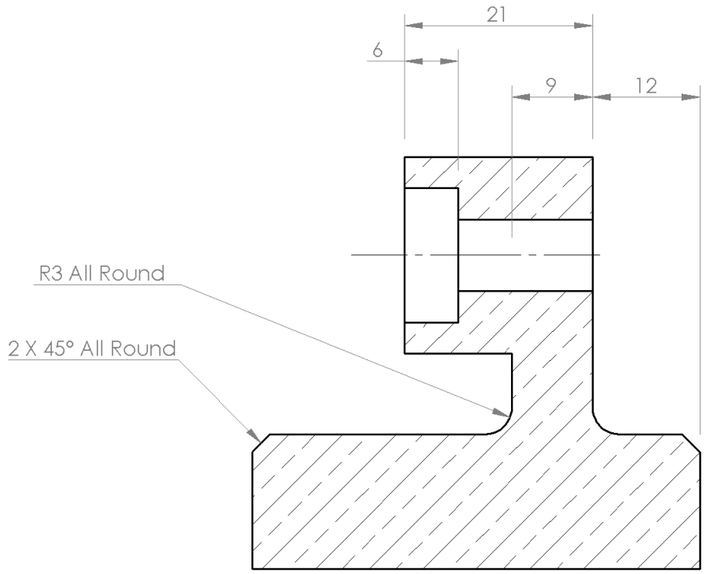

SECTION A-A

Assignment Solution

MecE 265 Instructor: **Dr. D.S.Nobes** **Fall 2021** Comments: Only make one of these	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: ± 0.5° LINEAR X = ± 0.5 X.X = ± 0.1 X.XX = ± 0.025 SURFACE FINISH 0.6 µm DO NOT SCALE DRAWING	DRAWN BY: **David S. Nobes** Lab Day: ALL SM By: **D.S.Nobes** TA Initials: DSN dnobes 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**
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