UNIVERSITY OF ALBERTA
Department of Mechanical Engineering

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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 10, 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

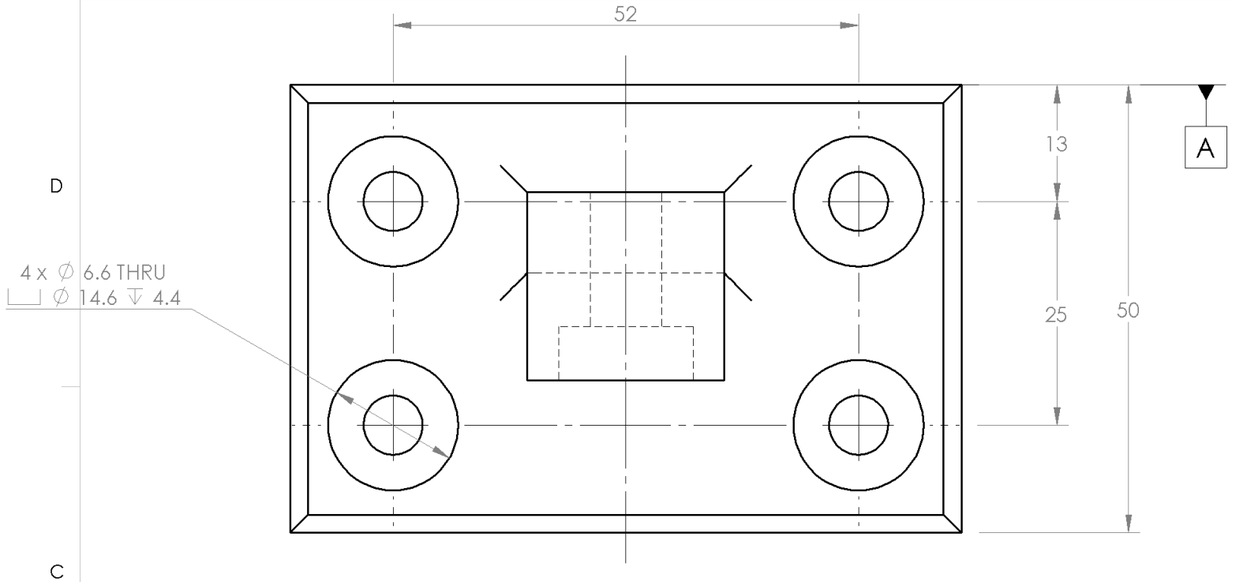
*A*utoMARK details:

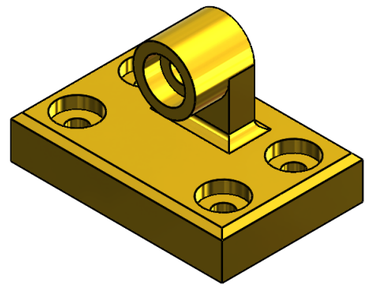
- Sheetnames should contain only alphabetical characters
- Weights of feature properties are set by the marker
- AutoMARK v 4.0 software written and designed by Owen Stadlwieser

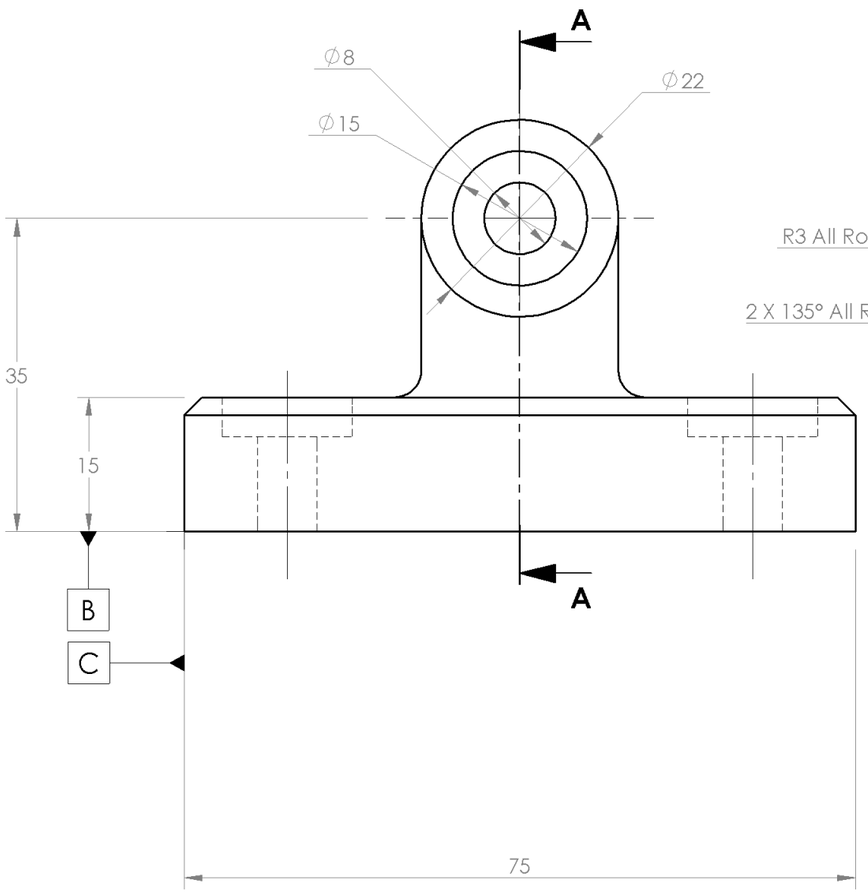
*A*utoMARK Criterion (The weights of these criterion are decided by the marker):

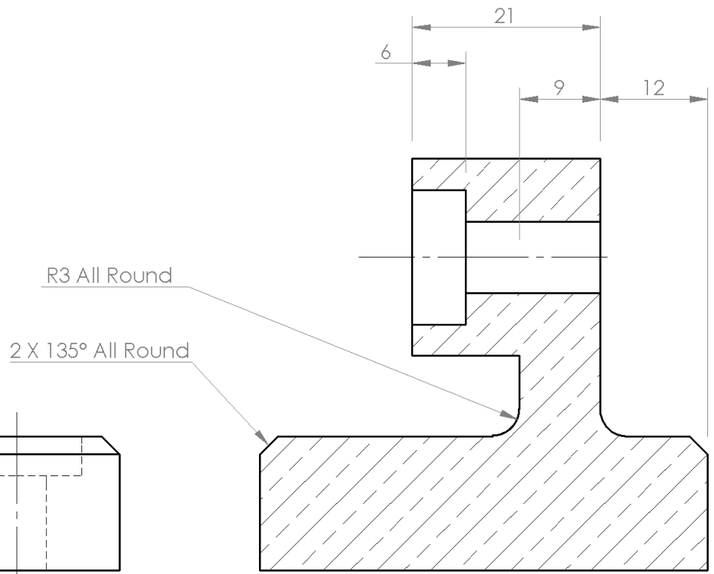
- DRAWING: SheetOrder, ExtraSheets
- SHEET: SheetPaperSize, SheetScale, SheetTemplate, SheetExtraBOMS, SheetExtraViews, SheetViewTypes, SheetIntersectingBallons
- BILLOFMATERIALS: BOMTableType, BOMNumberColumns, BOMNumberRows, BOMPosition, BOMTableHeight, BOMTableWidth, BOMFontType, BOMFontSize
- VIEW: 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







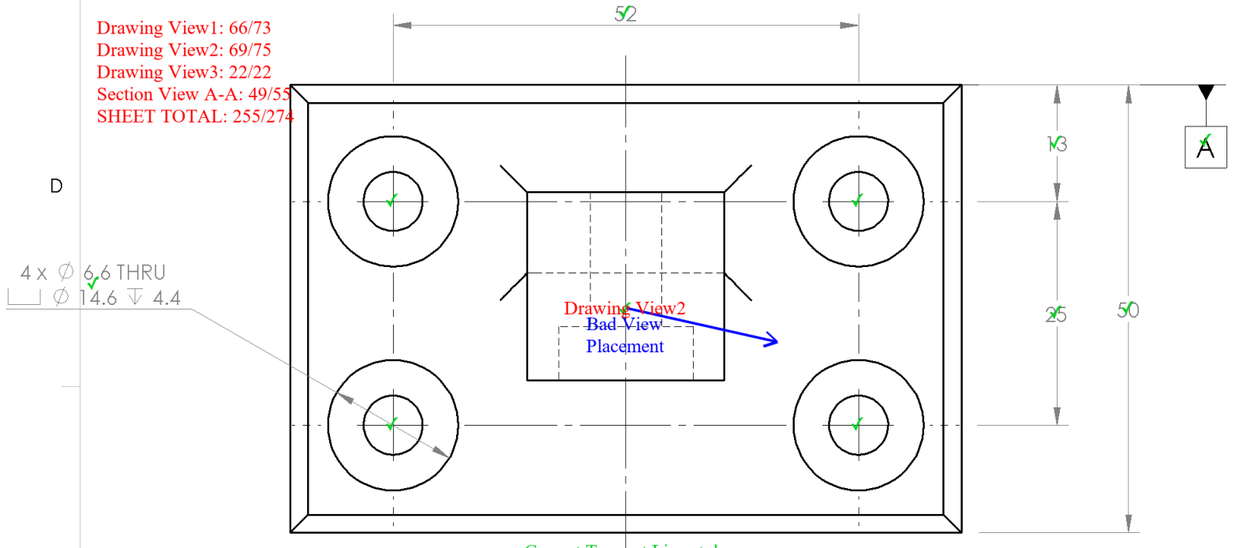


SECTION A-A

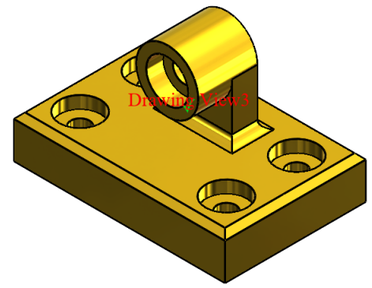
Student Submission

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 August 5, 2022 2:23:34 PM 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

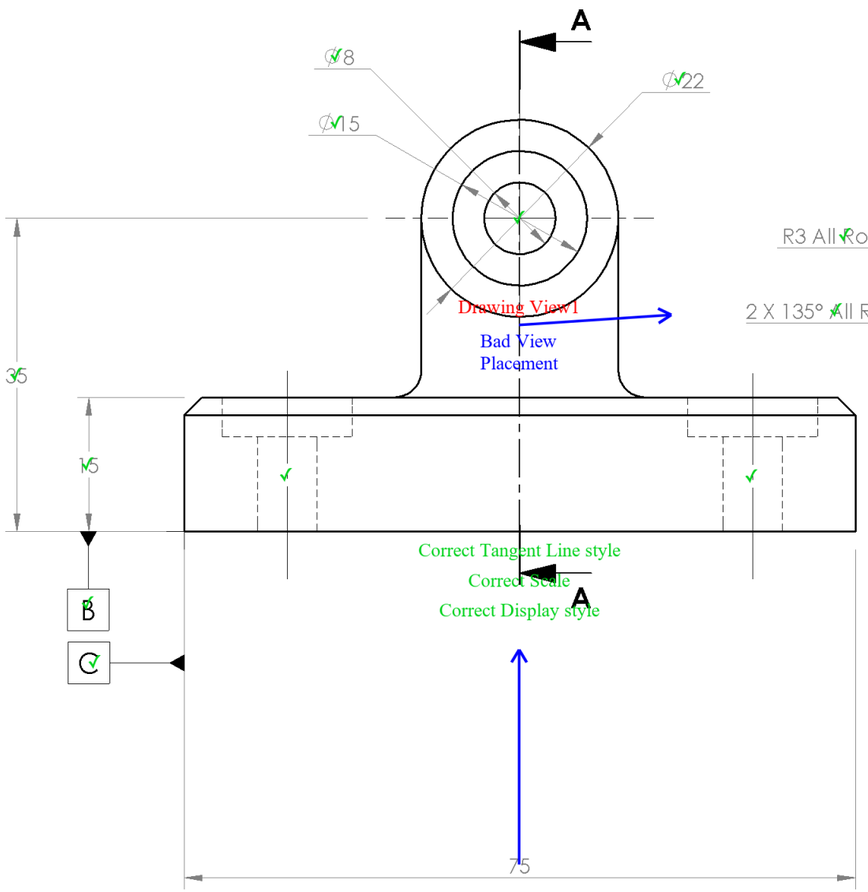
Drawing View1: 66/73
Drawing View2: 69/75
Drawing View3: 22/22
Section View A-A: 49/55
SHEET TOTAL: 255/274



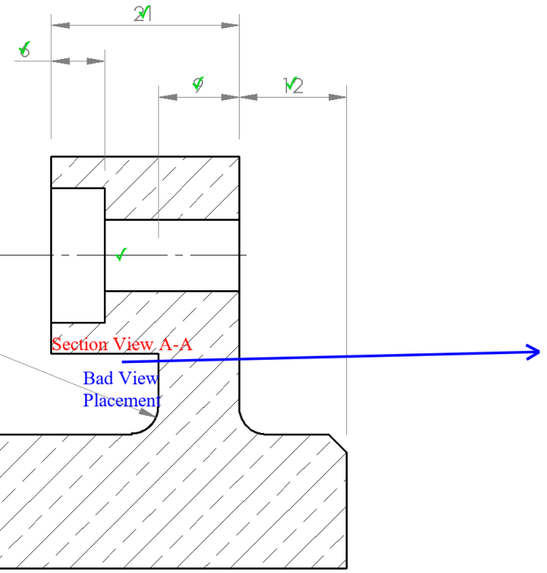
Correct Tangent Line style
Correct Scale
Correct Display style



Correct Tangent Line style
Correct Scale
Correct Display style



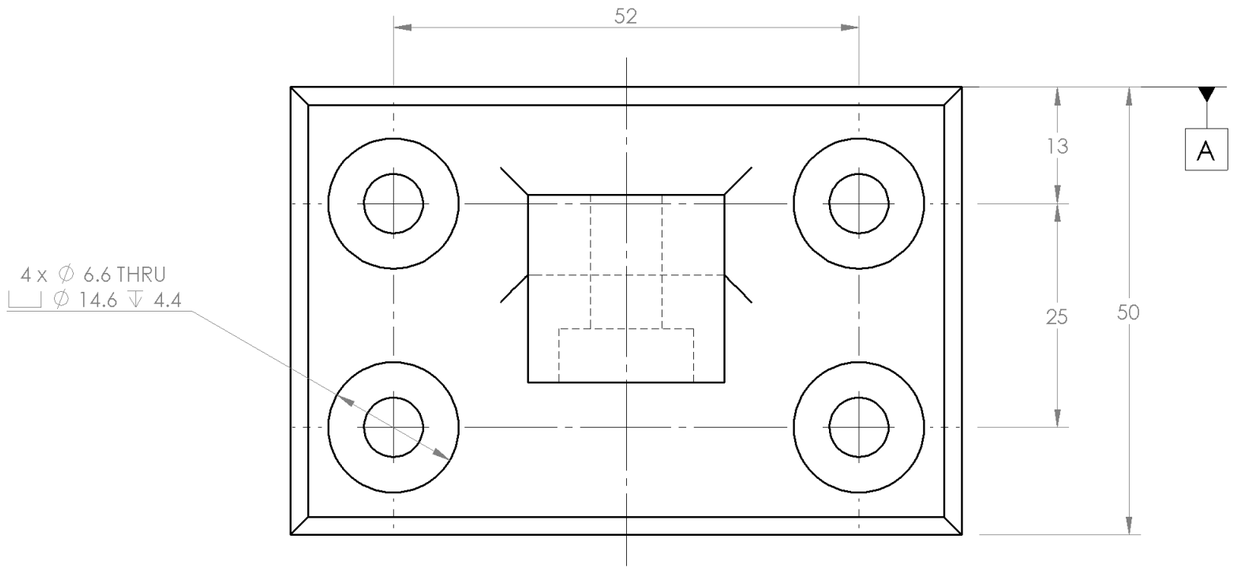
Correct Tangent Line style
Correct Scale
Correct Display style

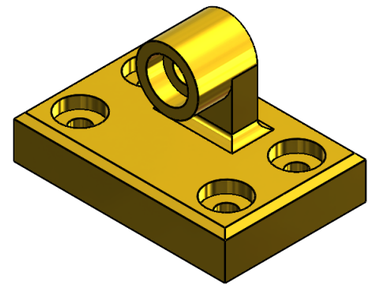


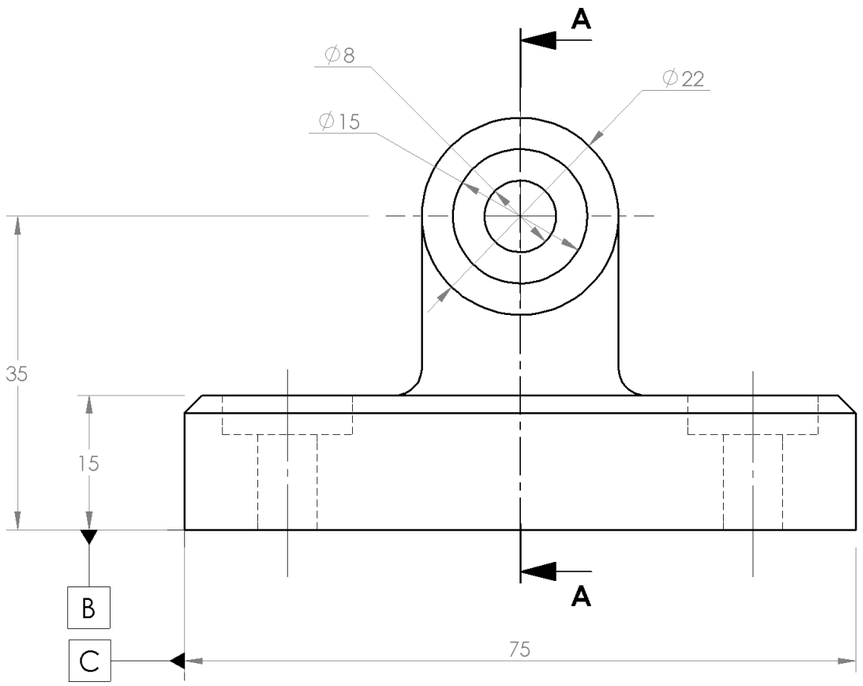
Correct Tangent Line style
SECTION A-A
Correct Display style

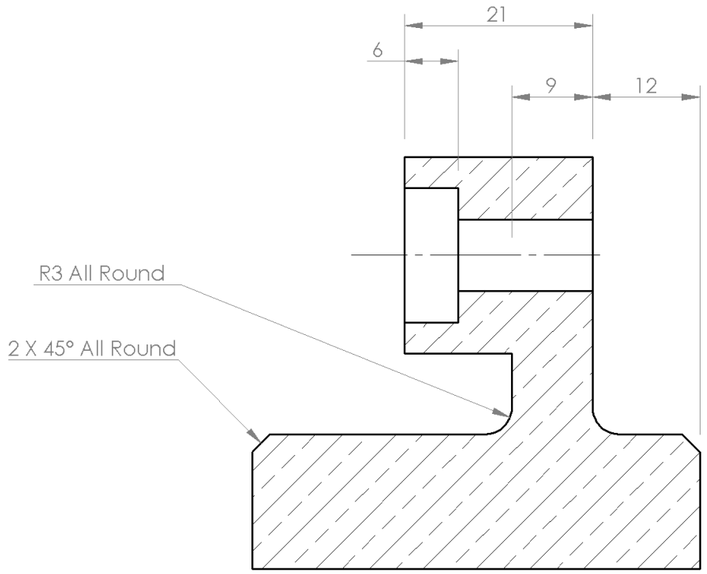
Automark of Student Submission

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: ± 0.5° LINEAR X = ± 0.5 X.X = ± 0.1 X.XX = ± 0.025	David S. Nobes	TITLE: The Bracket Part
Comments: Only make one of these	SURFACE FINISH µm 0.6 DO NOT SCALE DRAWING	Lab Day: ALL SM By: D.S.Nobes TA Initials: DSN	
MATERIAL: Brass		zacha August 5, 2022 2:23:34 PM December 29, 2019 12:49:16 PM	SIZE B; Assignment Number: Assignment_01; REV: 2
FILE NAME: MecE265_Ass01_dnobes			SCALE: 3:2; Mass: 509.51; SHEET 1 OF 1









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**
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