



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: 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

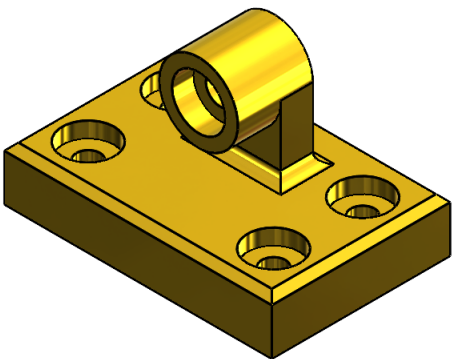
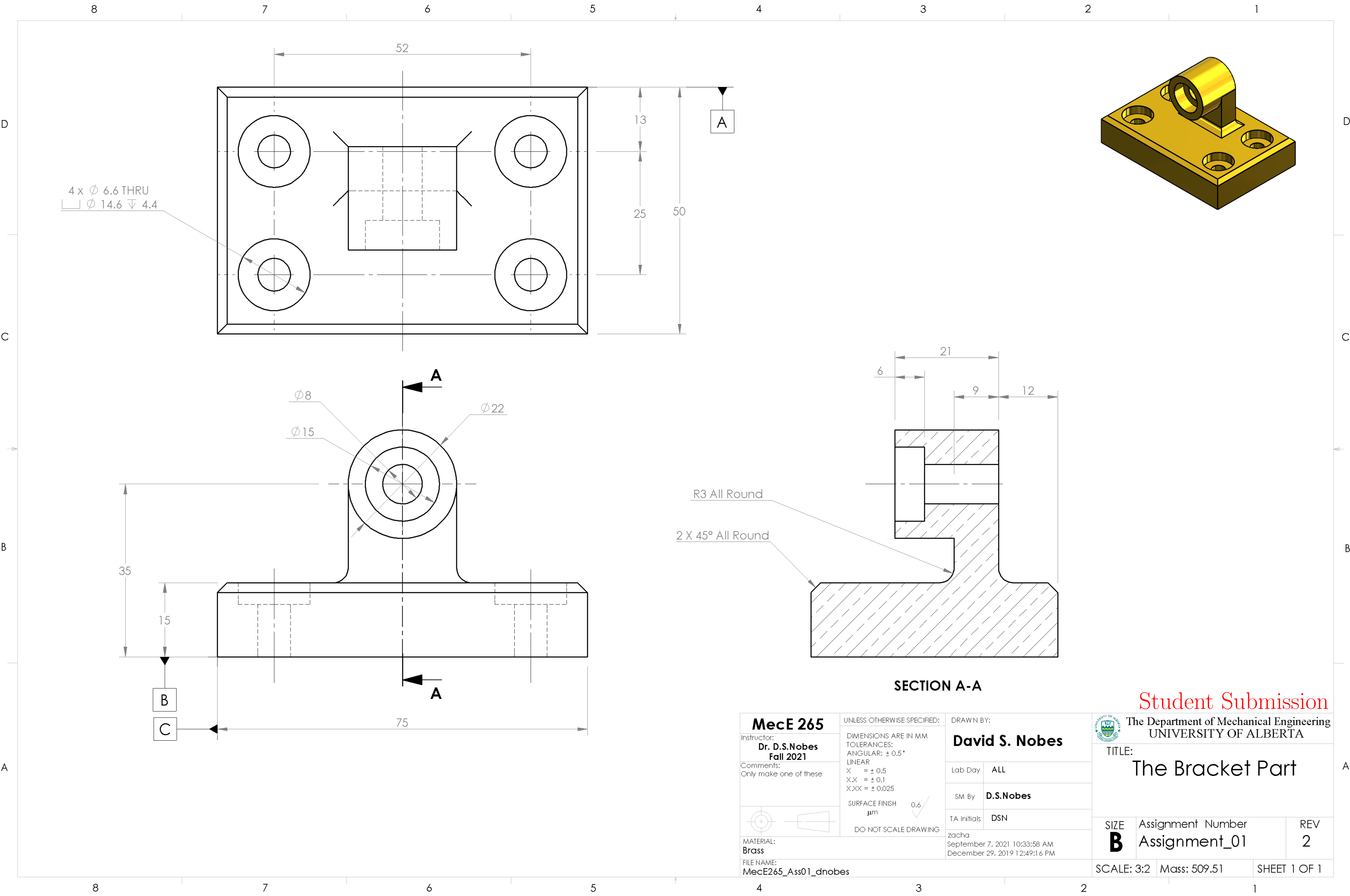
AutoMARK details:

- 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 |

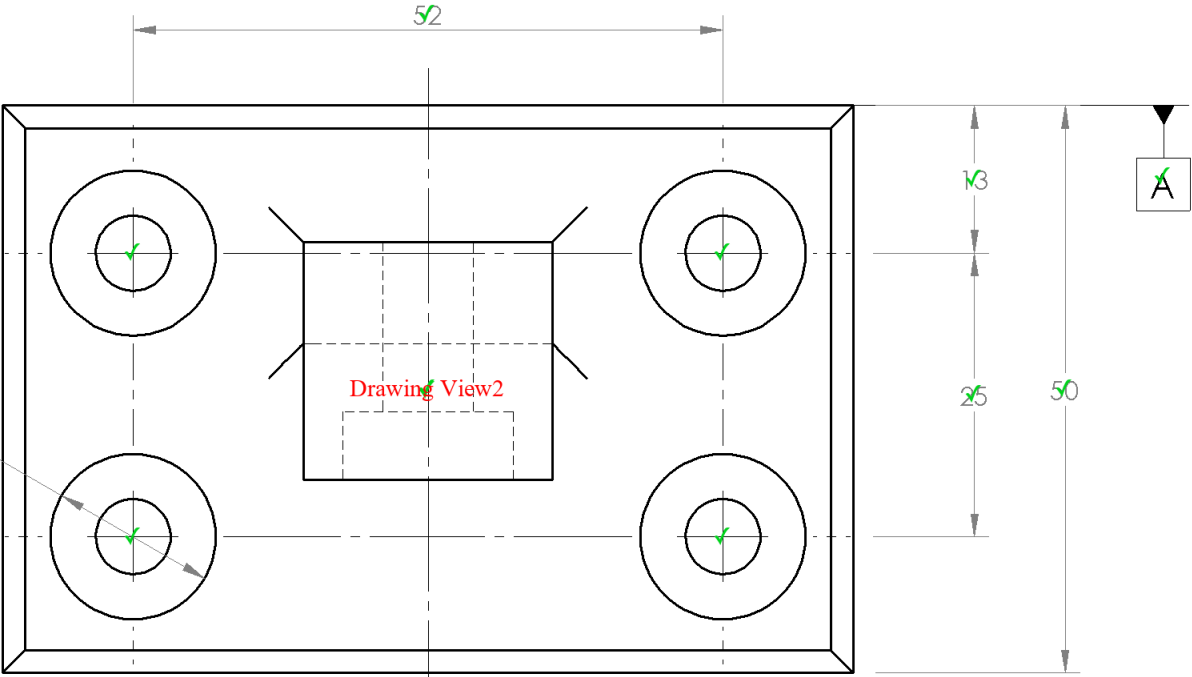


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|--|--|--|--|-----------------------|------------------|---|-------------------|--------------|
| MecE 265 | | UNLESS OTHERWISE SPECIFIED: | | DRAWN BY: | | The Department of Mechanical Engineering UNIVERSITY OF ALBERTA | | |
| Instructor: Dr. D.S.Nobes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

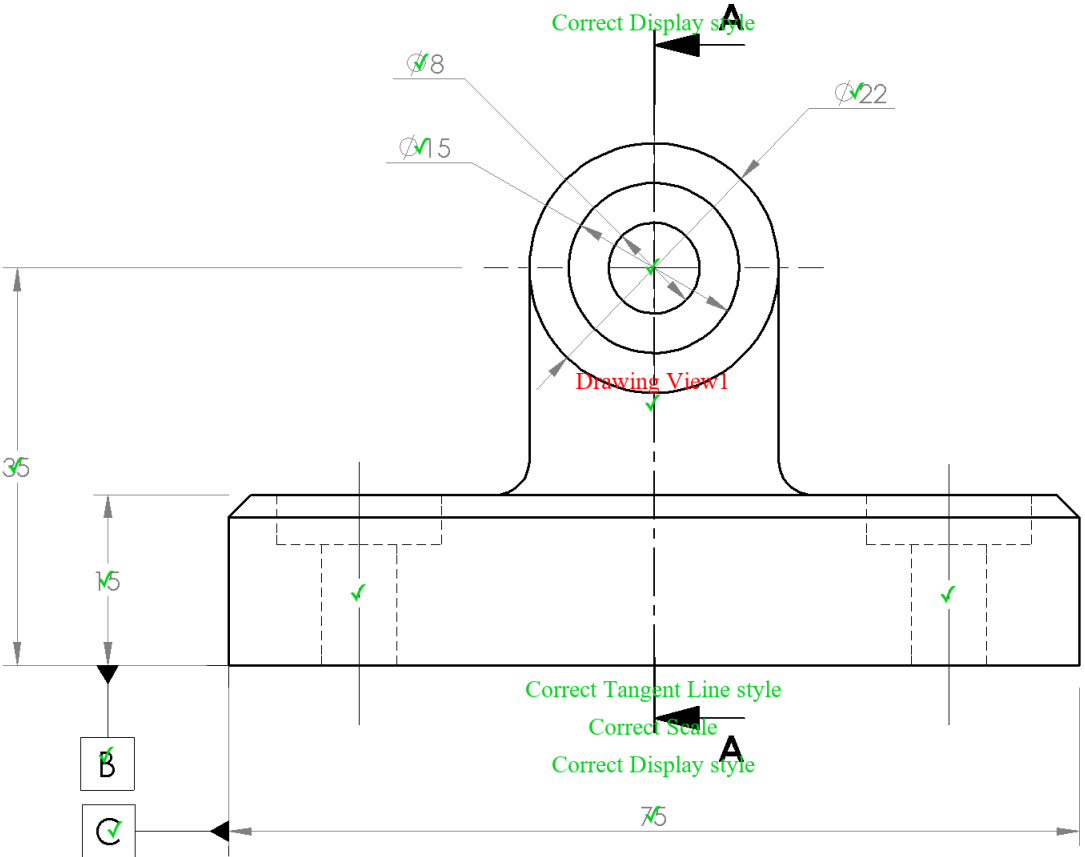
Student Submission

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



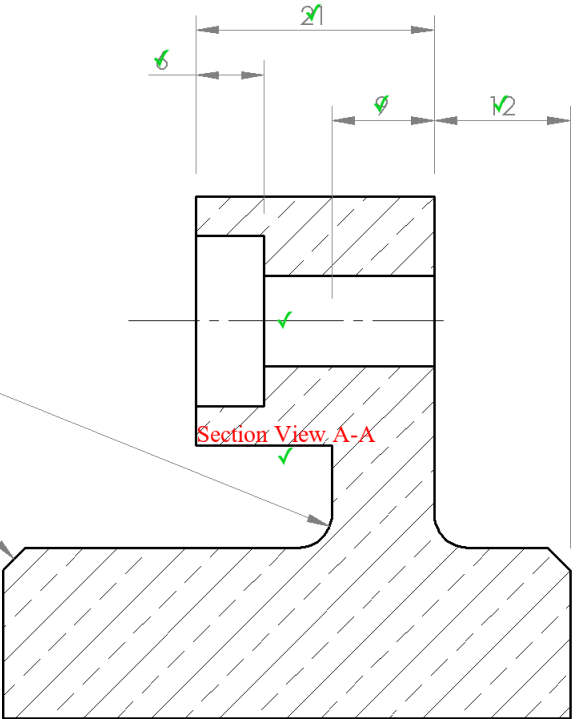
Correct Tangent Line style
Correct Scale
Correct Display style



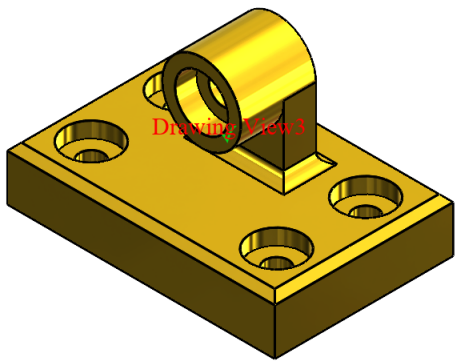
Correct Tangent Line style
Correct Scale
Correct Display style

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>SIZE B Assignment Number Assignment_01</div> <div>REV 2</div> <div>SCALE: 3:2 Mass: 509.51</div> <div>SHEET 1 OF 1</div> | | |
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