



# 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 15, 2022**

*AUTOMark Assessment Grade: 496 out of 627*

*AUTOMark Recommended Grade: 79 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: 14-Apr-2021 14:14:01

DRAWING LAST SAVE DATE: 06-Jul-2022 15:43:36

MODEL CREATION DATE: 12-Apr-2011 09:02:16

MODEL LAST SAVE DATE: 06-Jul-2022 15:39:57

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

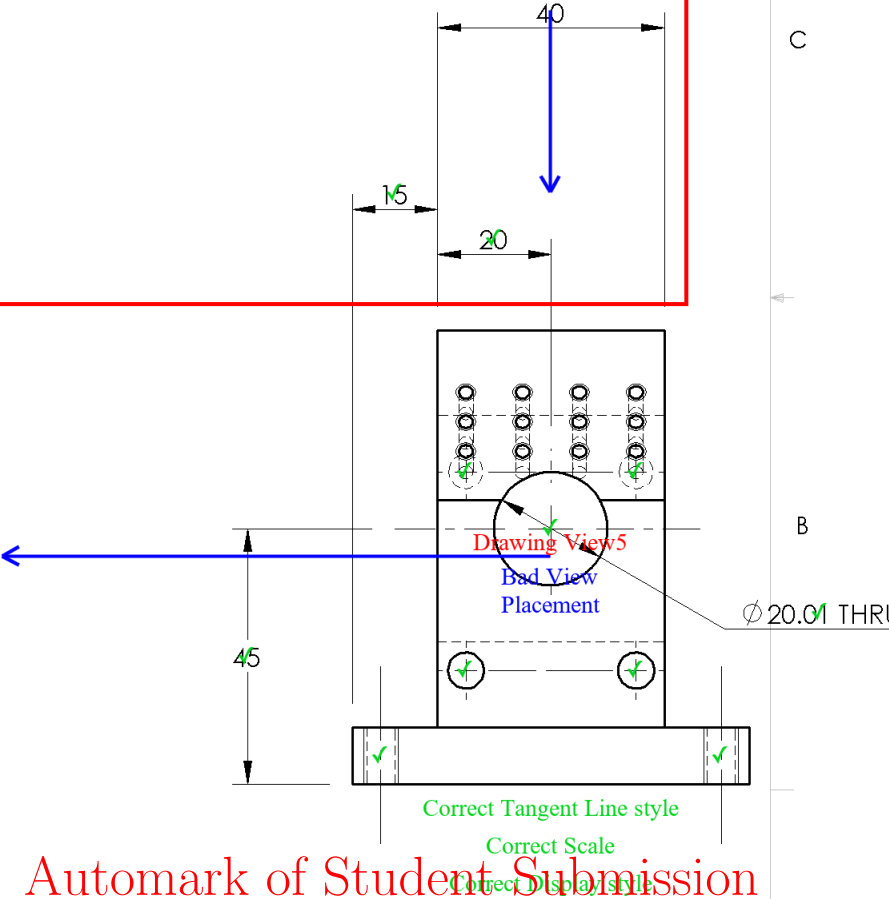
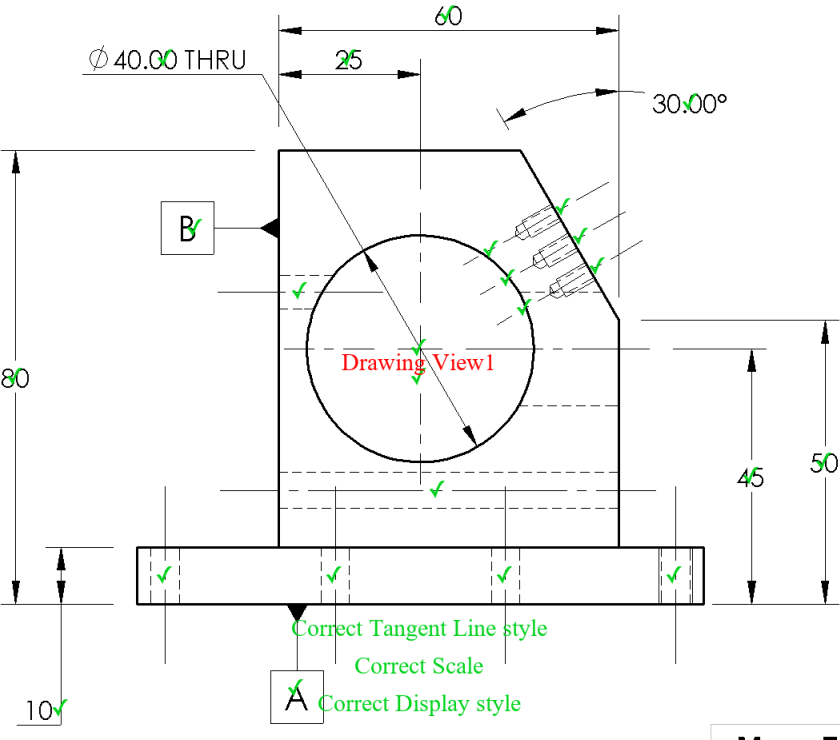
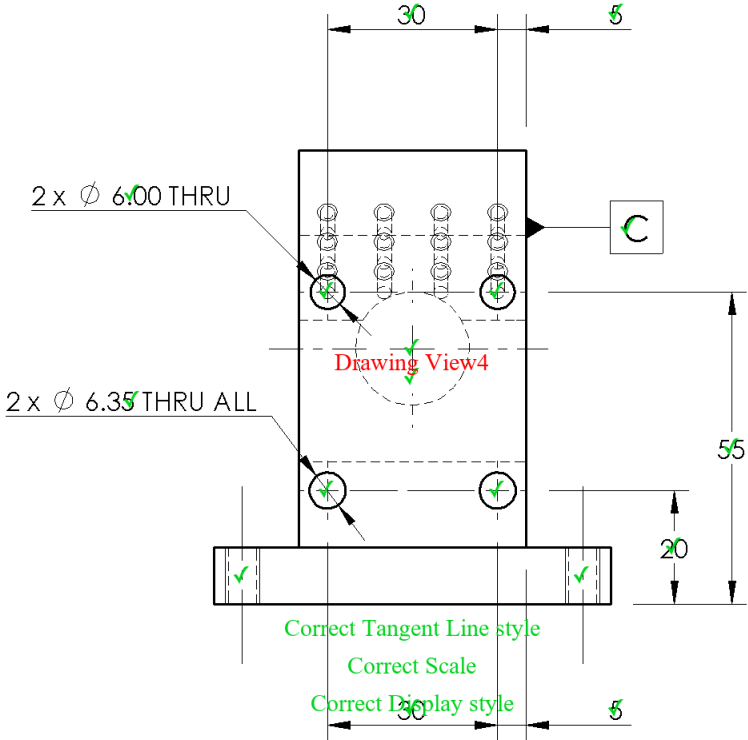
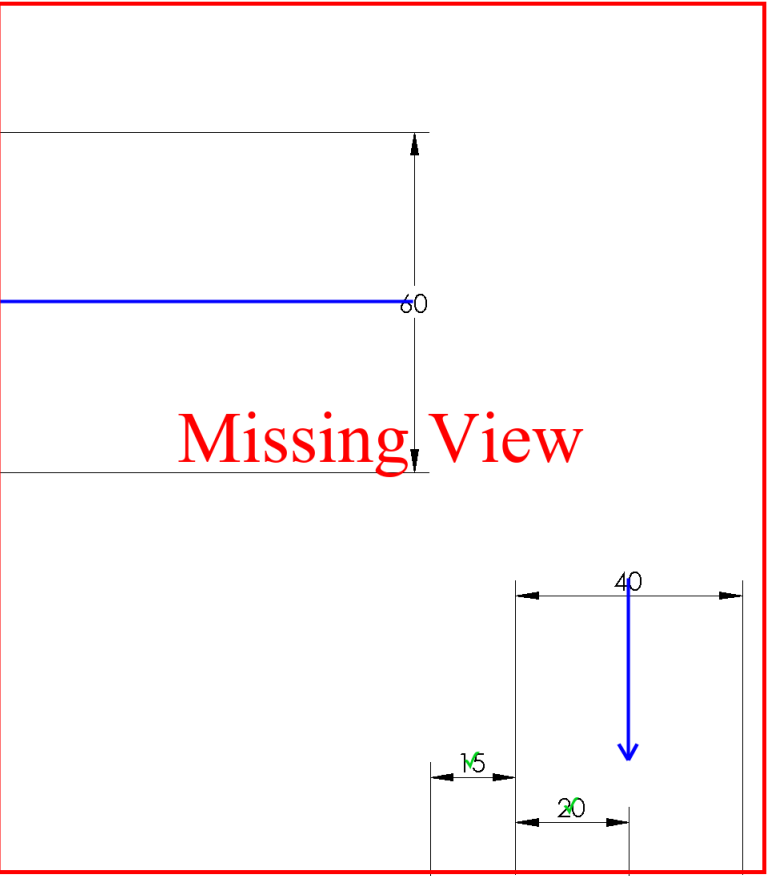
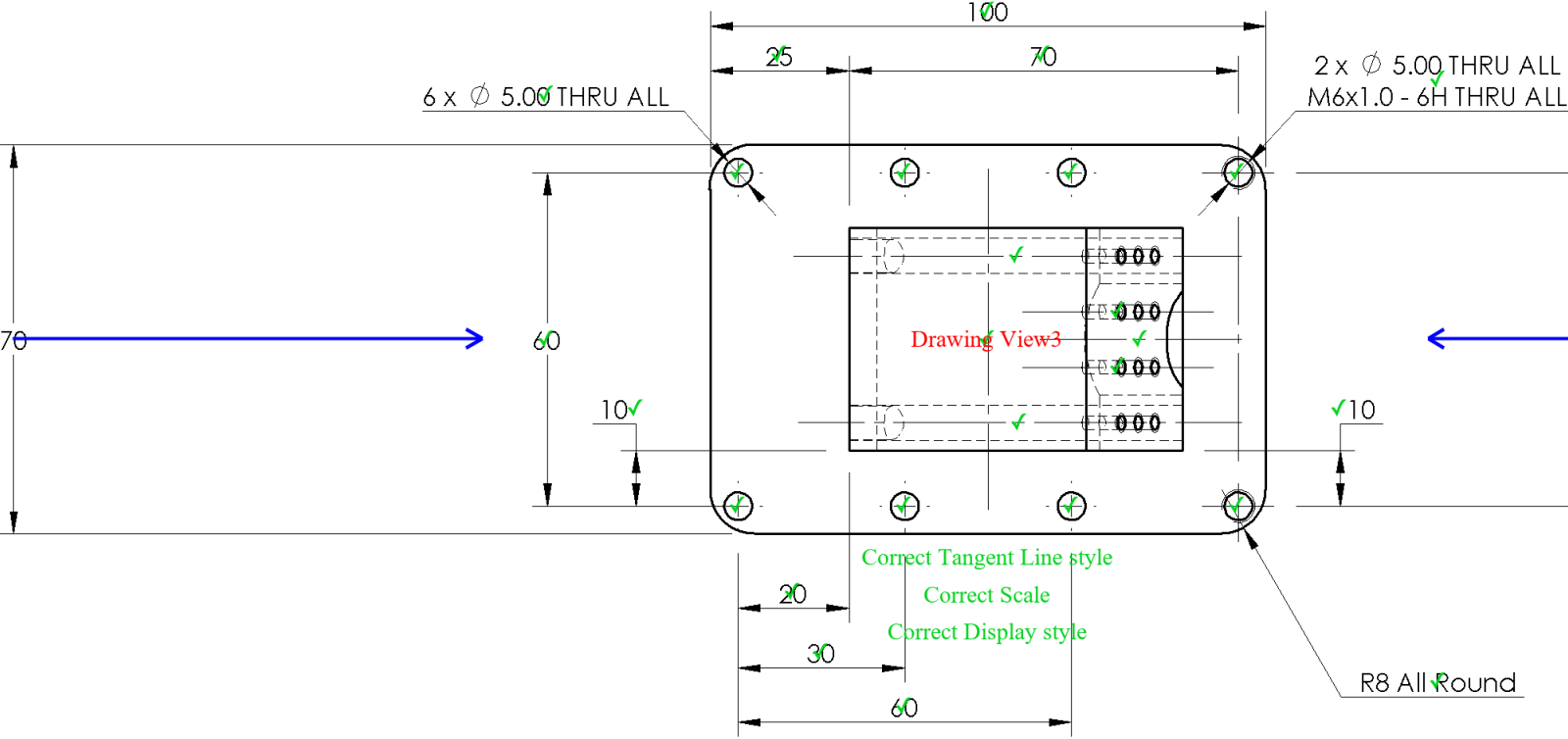
AutoMARK Criterion (The weights of these criterion are decided by the marker):

- 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



Drawing View1: 113/113  
Drawing View3: 148/150  
Drawing View4: 98/98  
Drawing View5: 71/78  
SHEET TOTAL: 479/610



Automark of Student Submission

Mec E 265

Instructor:  
Dr DS Nobes  
Win 2021  
Comments:



MATERIAL:  
Brass  
FILE NAME:  
MecE\_265\_Ass12\_W2021

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MM  
TOLERANCES:  
ANGULAR:  $\pm 0.5^\circ$   
LINEAR  
X =  $\pm 0.5$   
X.X =  $\pm 0.1$   
X.XX =  $\pm 0.025$   
SURFACE FINISH  $\mu\text{m}$  0.6  
DO NOT SCALE DRAWING

DRAWN BY:

David Nobes

Student #

Staff

Lab Day

All

SM By

D.S. Nobes

TA Initials

DSN

July 6, 2022 3:39:57 PM

April 12, 2011 9:02:16 AM



The Department of Mechanical Engineering  
UNIVERSITY OF ALBERTA

TITLE:

The Dimensioning  
Exercise

SIZE

B

Assignment Number

Assignment 12

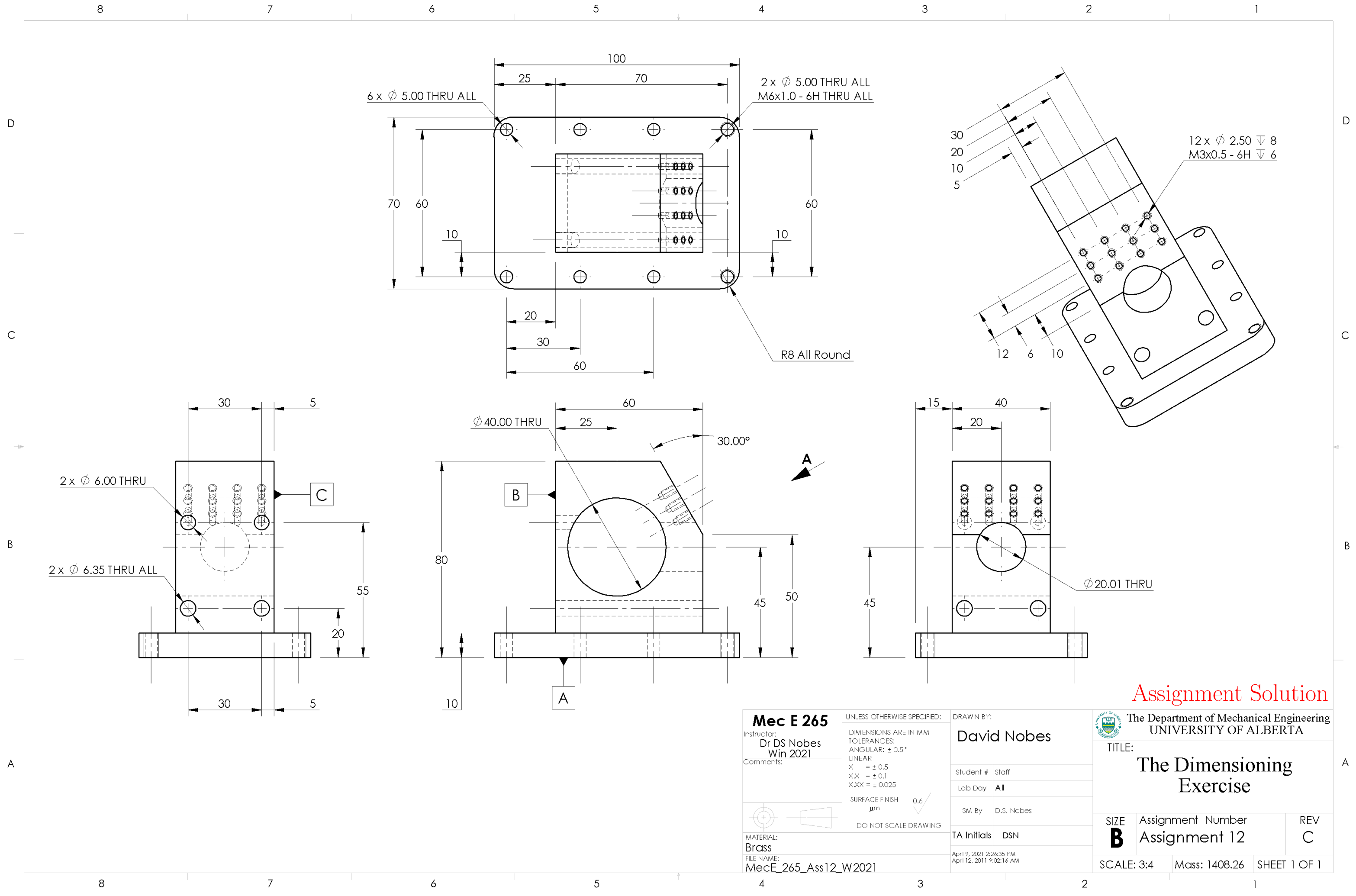
REV

C

SCALE: 3:4

Mass: 1408.26

SHEET 1 OF 1



Assignment Solution

Mec E 265

Instructor:  
Dr DS Nobes  
Win 2021  
Comments:



MATERIAL:  
Brass  
FILE NAME:  
MecE\_265\_Ass12\_W2021

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MM  
TOLERANCES:  
ANGULAR:  $\pm 0.5^\circ$   
LINEAR  
X =  $\pm 0.5$   
X.X =  $\pm 0.1$   
X.XX =  $\pm 0.025$   
SURFACE FINISH  $\mu\text{m}$  0.6  
DO NOT SCALE DRAWING

DRAWN BY:

David Nobes

Student #

Staff

Lab Day

All

SM By

D.S. Nobes

TA Initials

DSN

April 9, 2021 2:26:35 PM  
April 12, 2011 9:02:16 AM



The Department of Mechanical Engineering  
UNIVERSITY OF ALBERTA

TITLE:

The Dimensioning  
Exercise

SIZE

B

Assignment Number  
Assignment 12

REV

C

SCALE: 3:4

Mass: 1408.26

SHEET 1 OF 1