



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: 520 out of 627

AUTOMark Recommended Grade: 83 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 15:44:09

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

MODEL LAST SAVE DATE: 06-Jul-2022 15:40:38

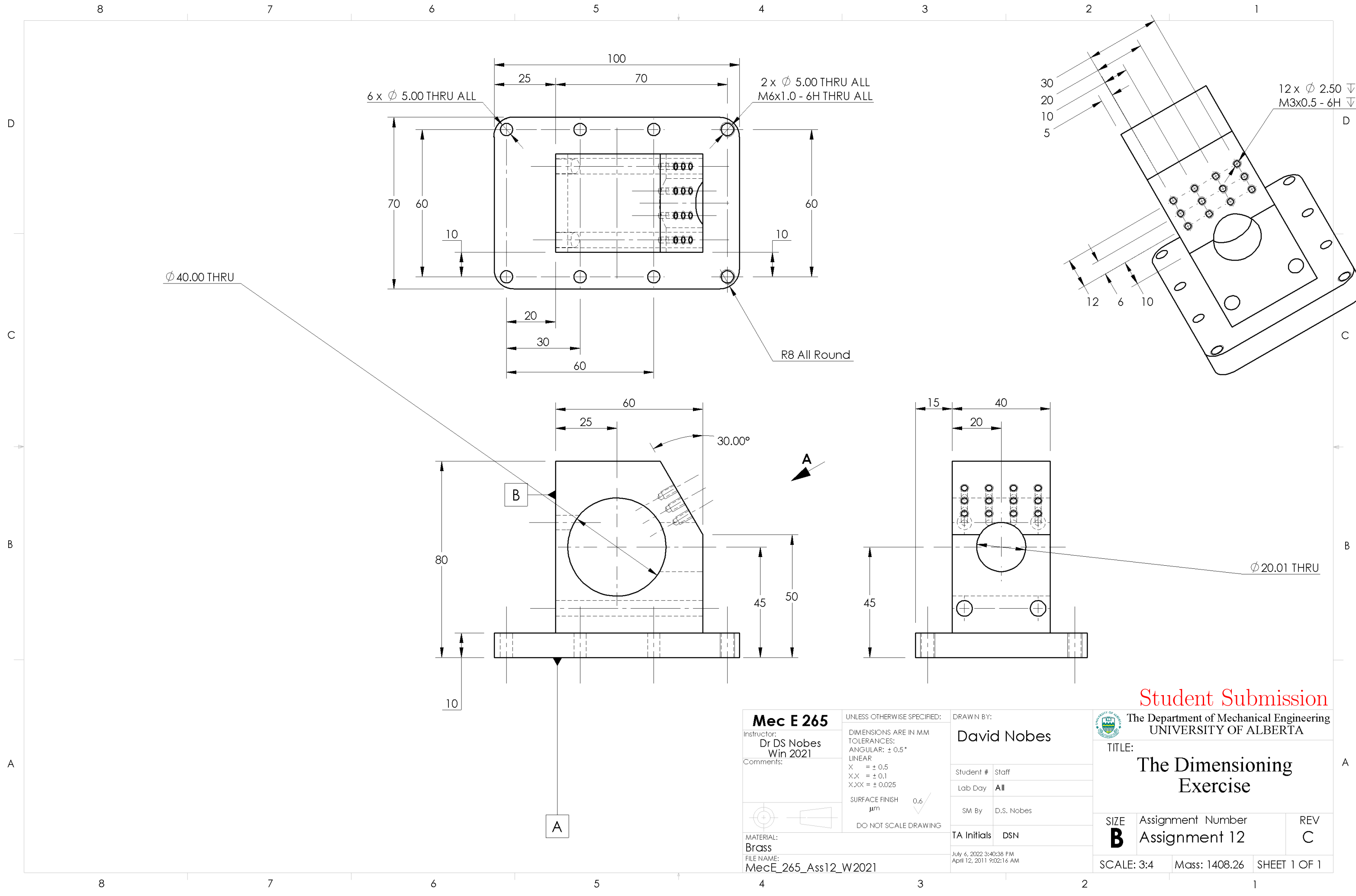
AutoMARK details:

- 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 Dimensioning
Exercise**

SIZE B	Assignment Number Assignment 12	REV C
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SCALE: 3:4 Mass: 1408.26 SHEET 1 OF 1

Mec E 265 Instructor: Dr DS Nobes Win 2021 Comments:		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 Nobes	
		Student #		Staff	
		Lab Day		All	
		SM By		D.S. Nobes	
MATERIAL: Brass		TA Initials		DSN	
FILE NAME: MecE_265_Ass12_W2021		July 6, 2022 3:40:38 PM		April 12, 2011 9:02:16 AM	

Drawing View1: 111/113
Drawing View3: 150/150
Drawing View5: 77/78
Drawing View2: 116/122
SHEET TOTAL: 503/610

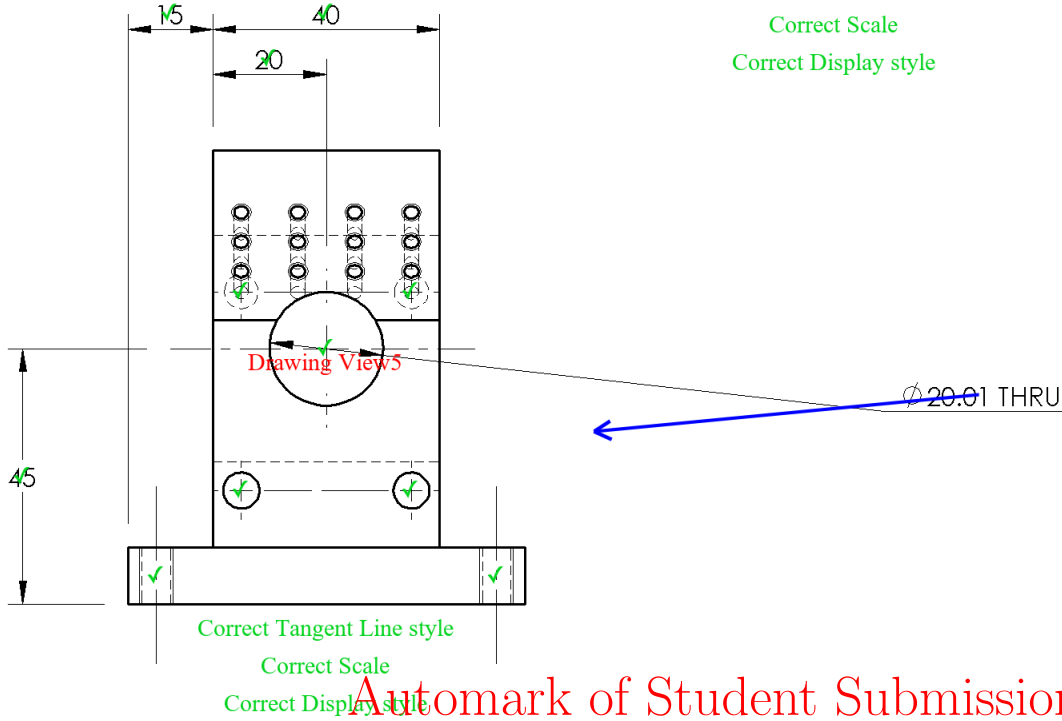
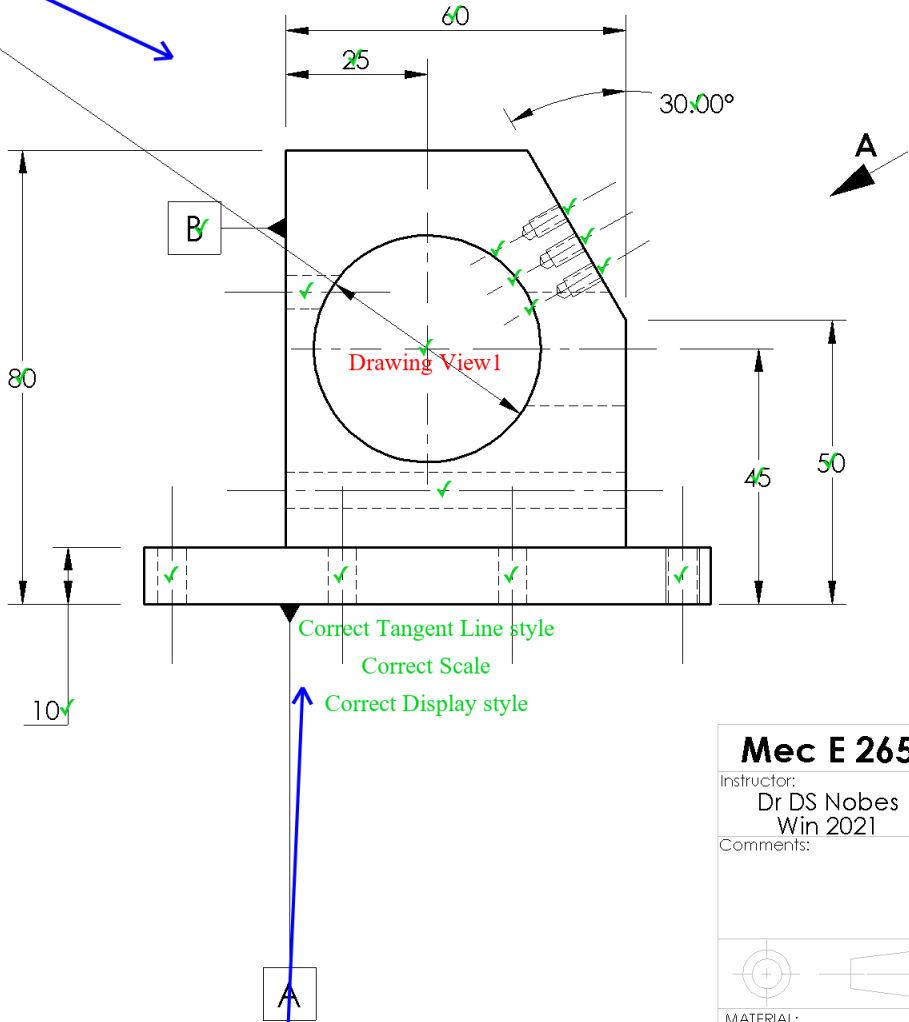
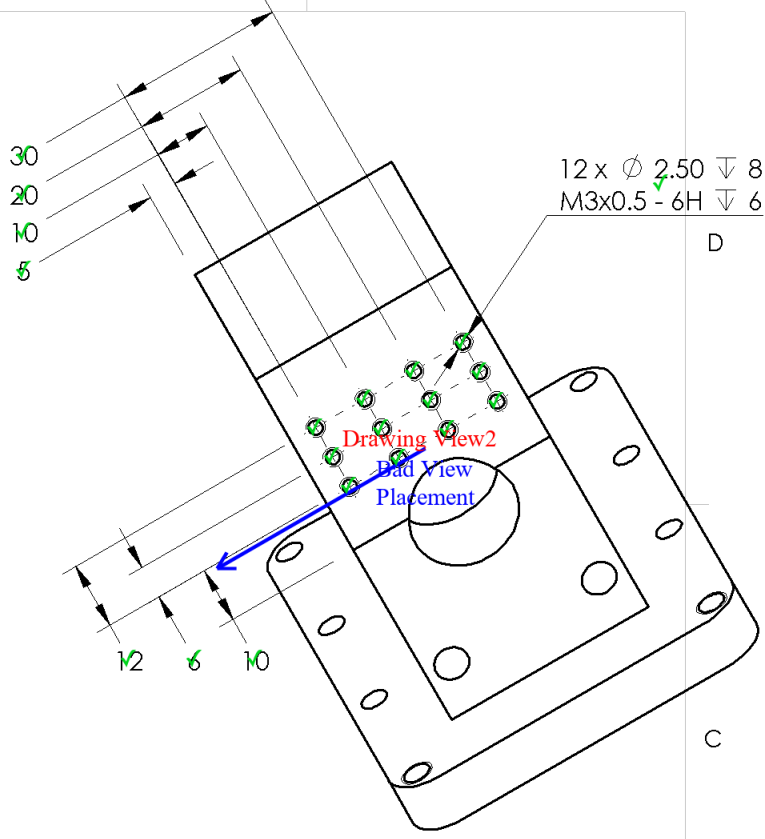
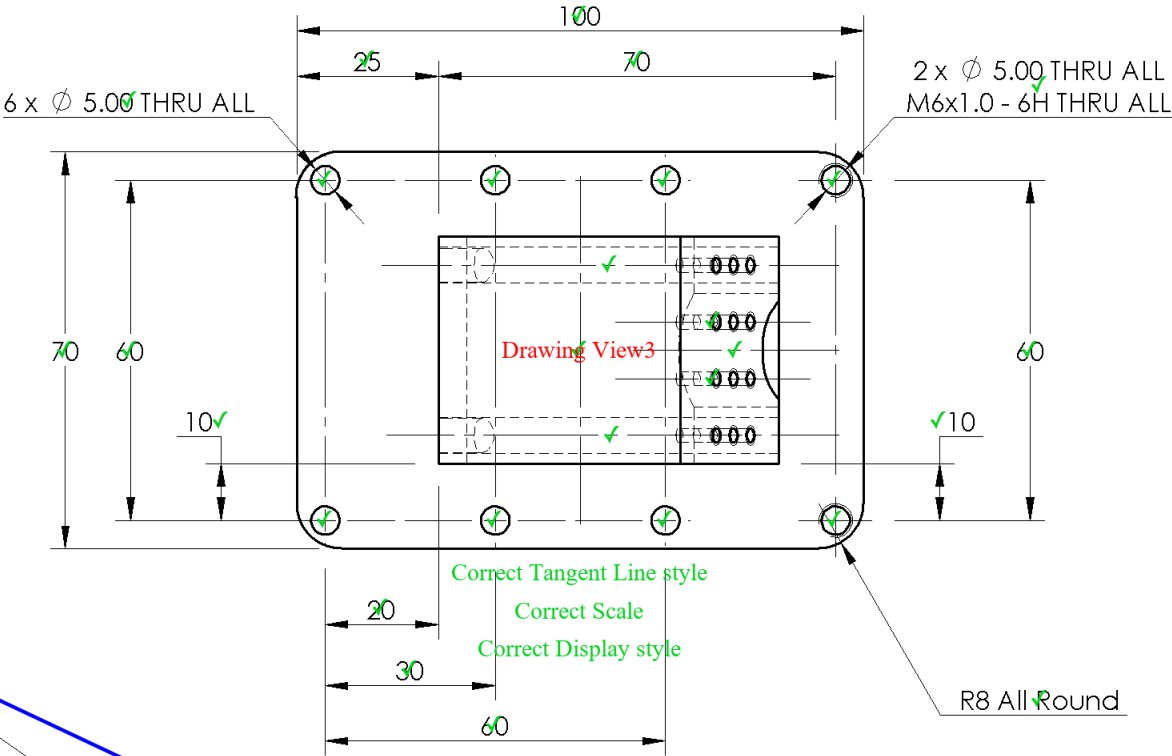
D

C

B

A

Missing View



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°
LINEAR
X = \pm 0.5
X.X = \pm 0.1
X.XX = \pm 0.025
SURFACE FINISH μ 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 3:40:38 PM
April 12, 2011 9:02:16 AM



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TITLE:

The Dimensioning
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SIZE

B

Assignment Number

Assignment 12

REV

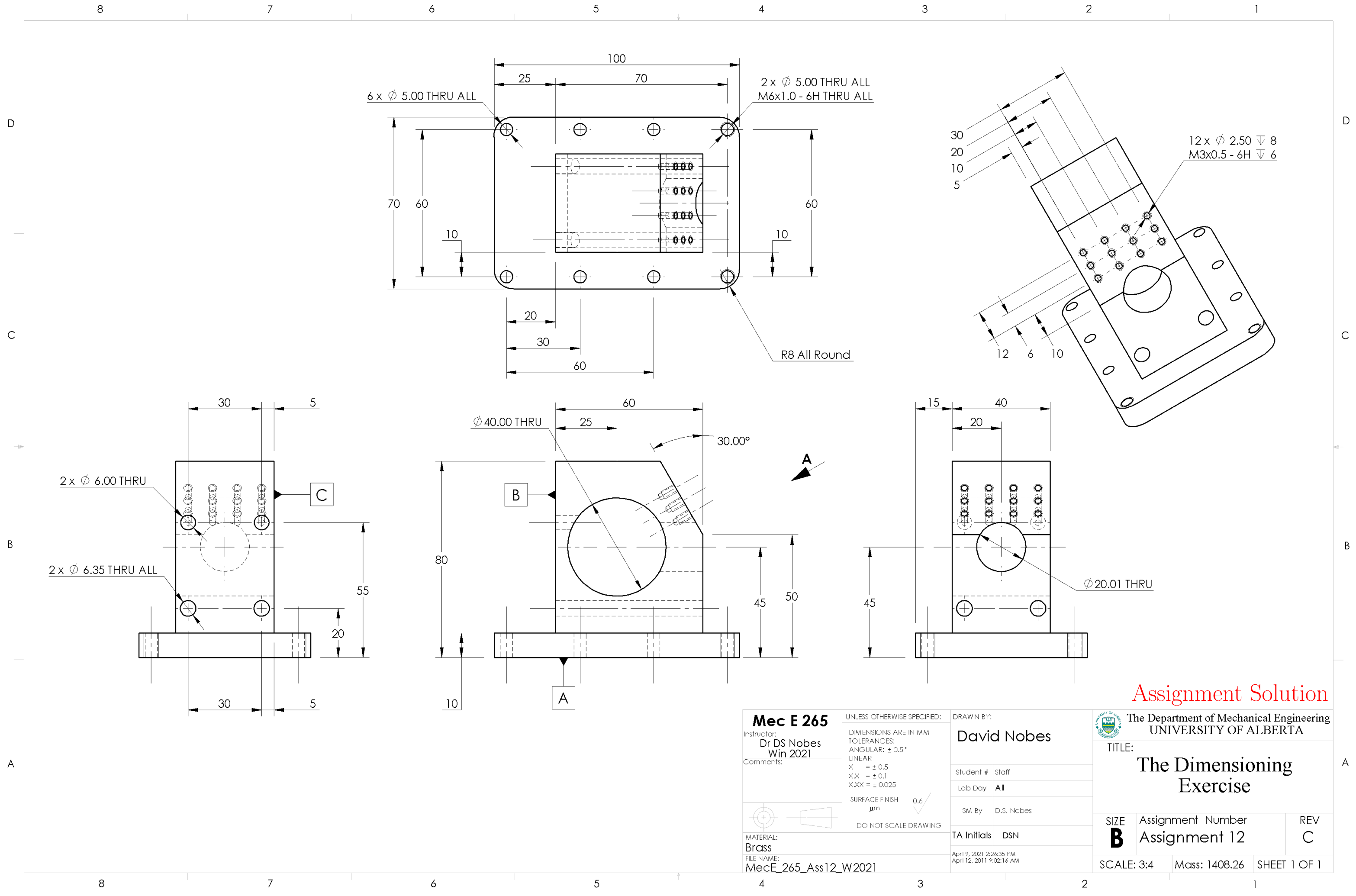
C

SCALE: 3:4

Mass: 1408.26

SHEET 1 OF 1

Automark of Student Submission



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 = ± 0.5
X.X = ± 0.1
X.XX = ± 0.025
SURFACE FINISH
 μm 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



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TITLE:

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Assignment Number

Assignment 12

REV

C

SCALE: 3:4

Mass: 1408.26

SHEET 1 OF 1