



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: **627 out of 627***

*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: 14-Apr-2021 14:14:01

DRAWING LAST SAVE DATE: 06-Jul-2022 15:42:07

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

MODEL LAST SAVE DATE: 09-Apr-2021 14:26:35

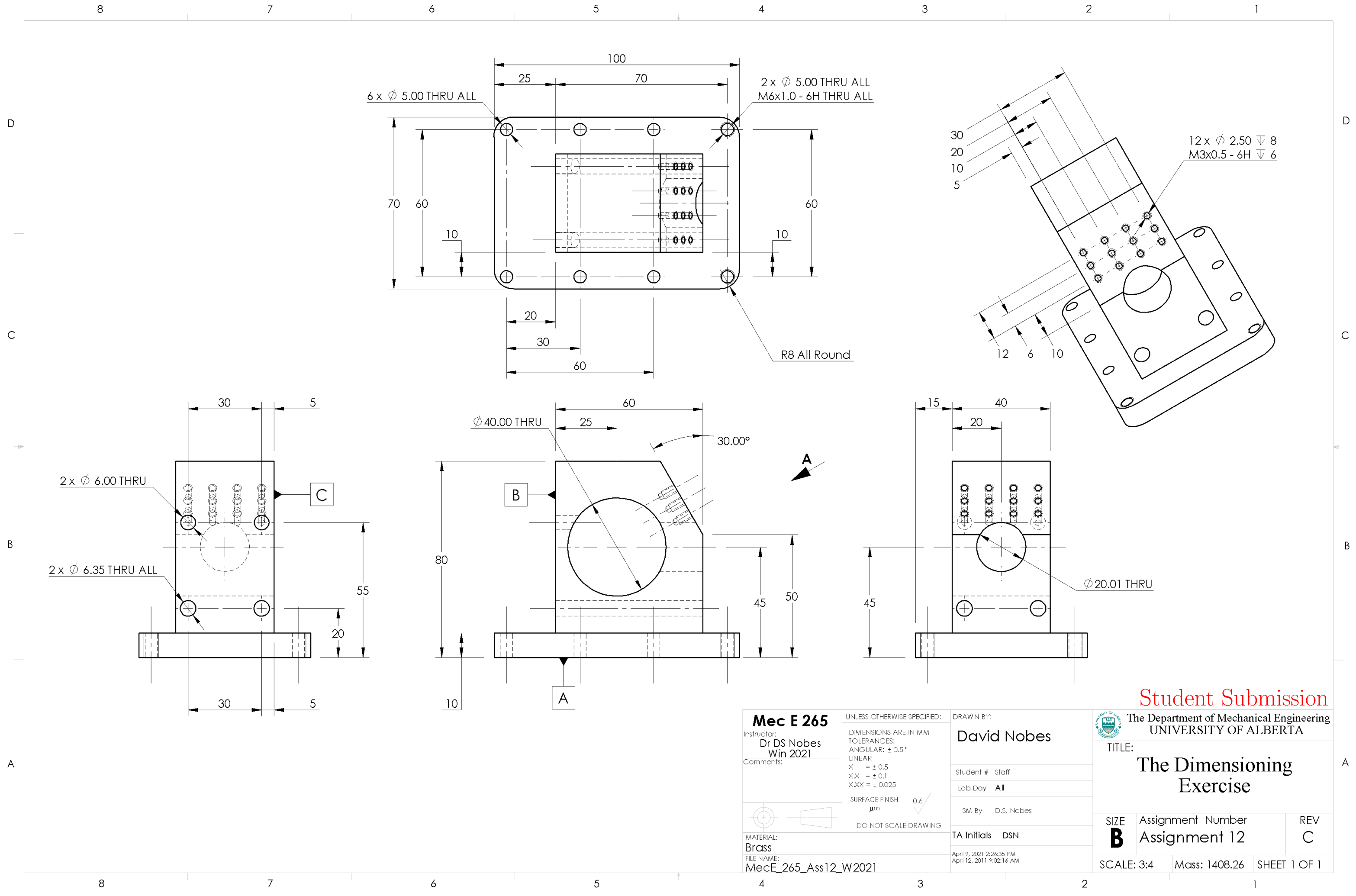
AutoMARK details:

- 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

SCALE: 3:4

Mass: 1408.26

SHEET 1 OF 1

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

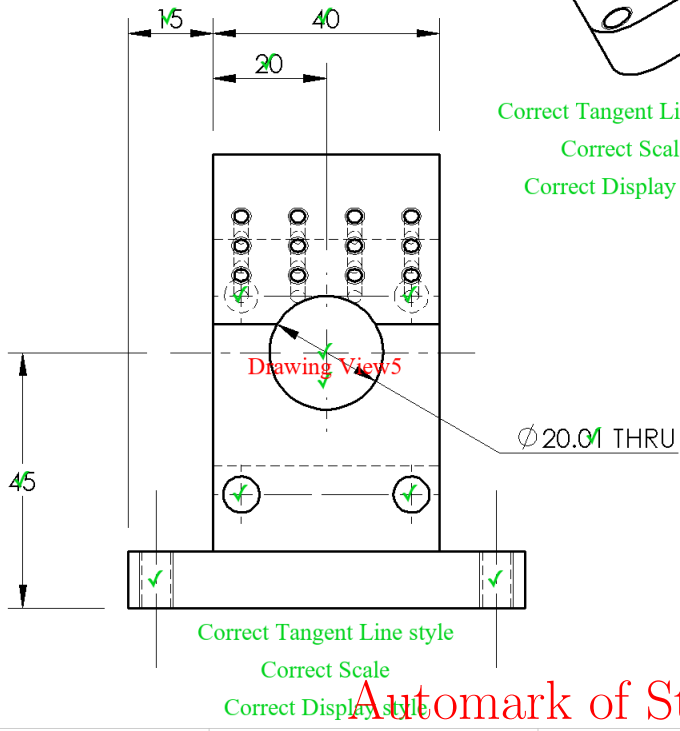
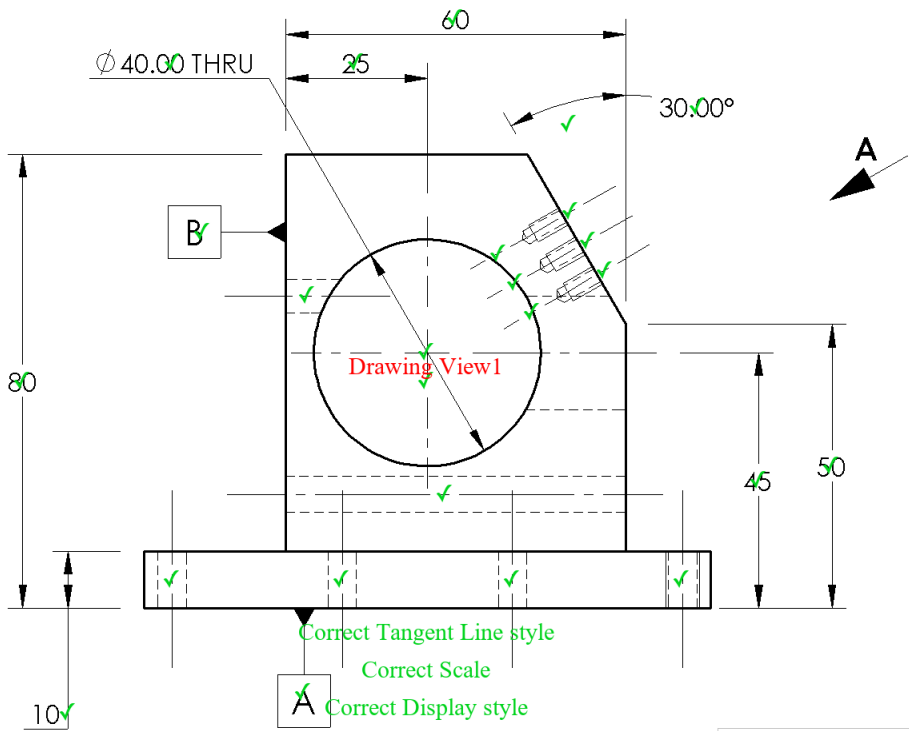
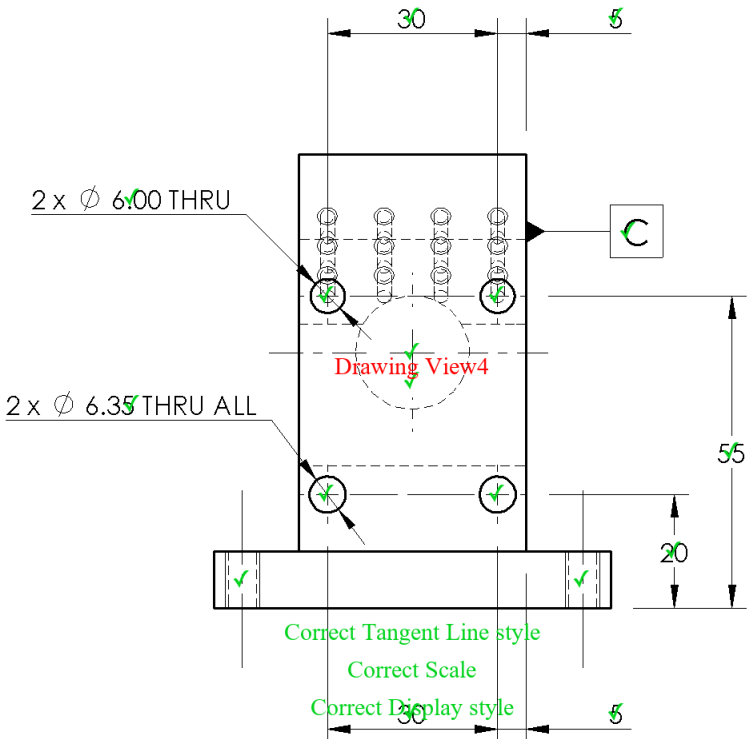
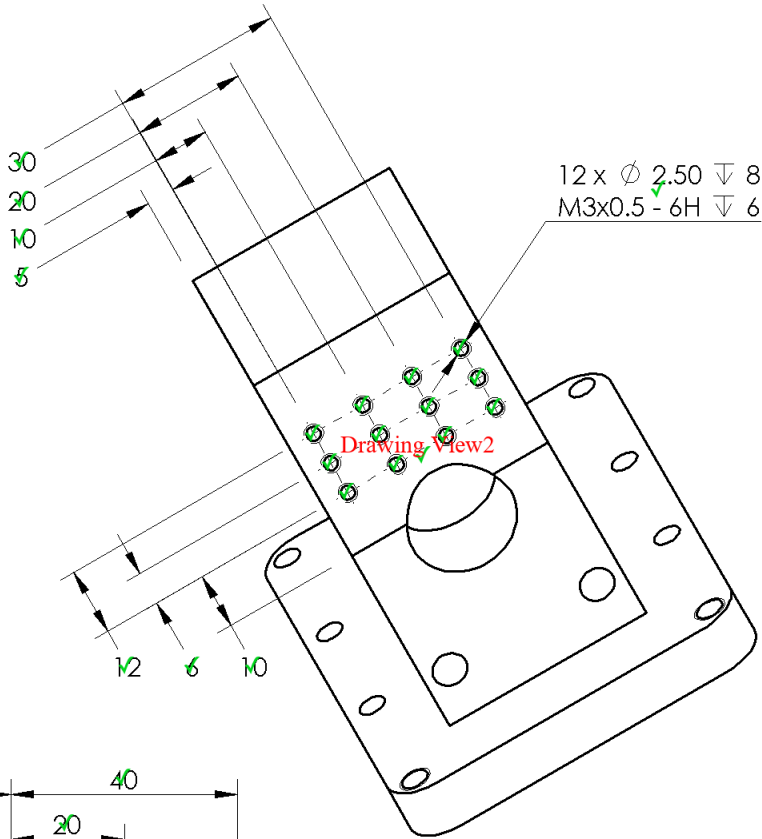
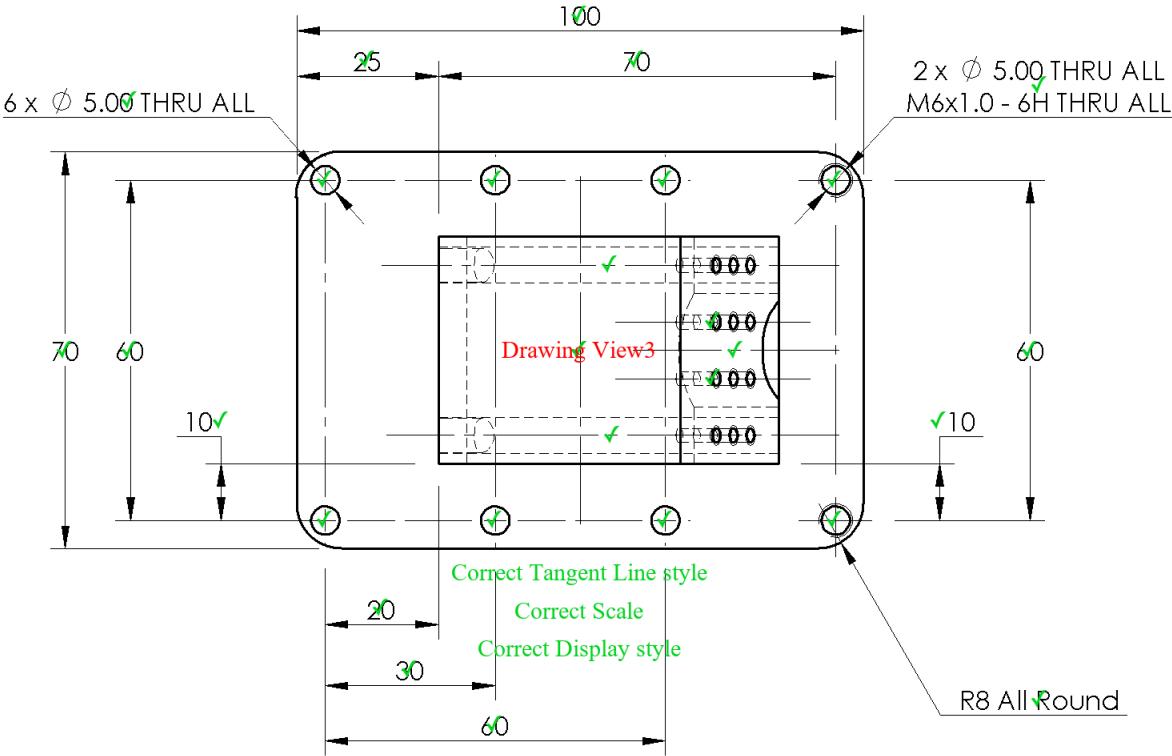
D.S. Nobes

TA Initials

DSN

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

Drawing View1: 113/113
Drawing View3: 150/150
Drawing View4: 98/98
Drawing View5: 78/78
Drawing View2: 122/122
SHEET TOTAL: 610/610



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
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ANGULAR: $\pm 0.5^\circ$
LINEAR
X = ± 0.5
X.X = ± 0.1
X.XX = ± 0.025
SURFACE FINISH
 μm
DO NOT SCALE DRAWING

DRAWN BY:

David Nobes

Student #

Staff

Lab Day

All

SM By

D.S. Nobes

TA Initials

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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

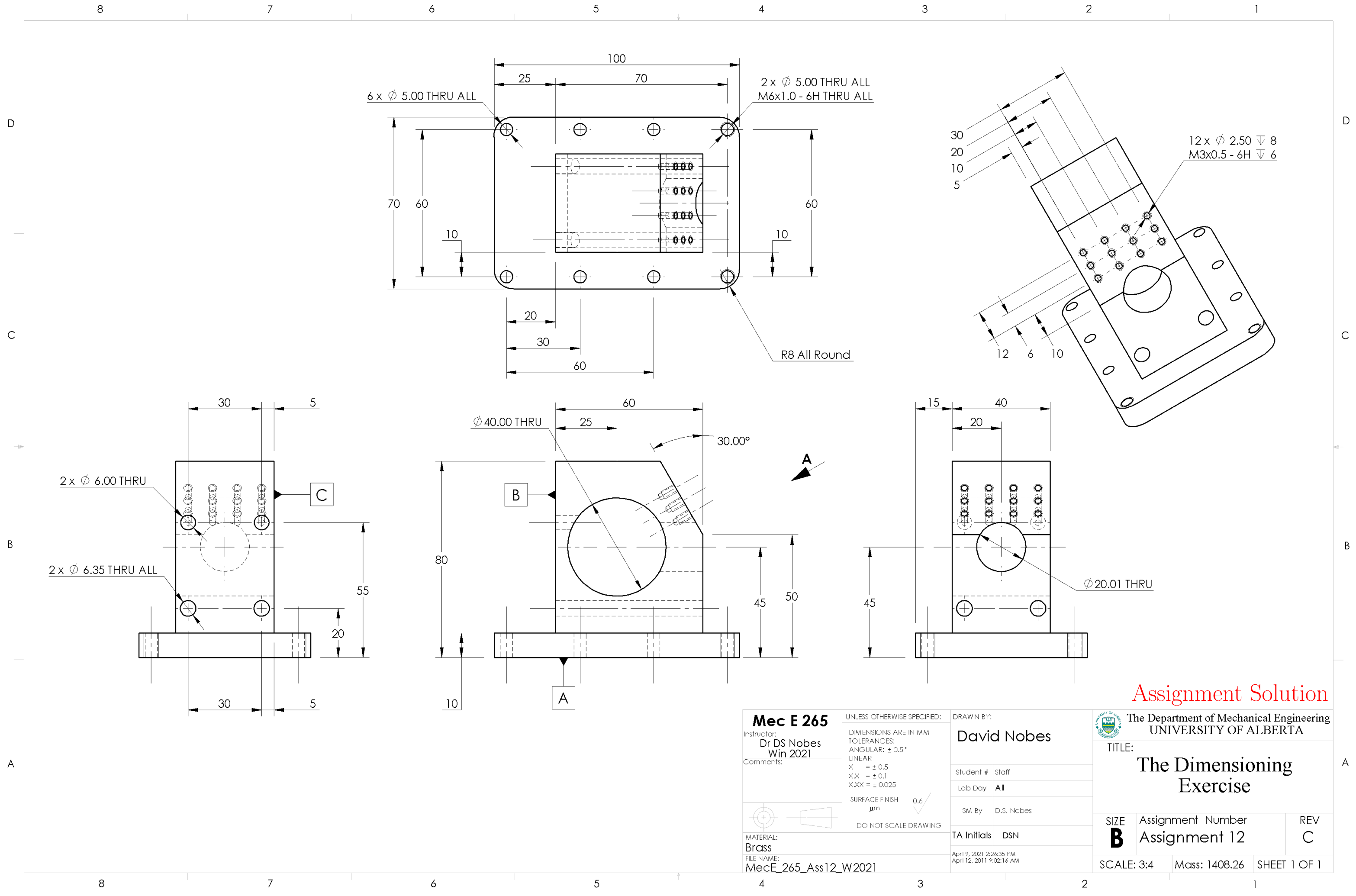
REV

C



SCALE: 3:4

Mass: 1408.26

SHEET 1 OF 1



Assignment Solution

Mec E 265		UNLESS OTHERWISE SPECIFIED:		DRAWN BY:		 The Department of Mechanical Engineering UNIVERSITY OF ALBERTA		
Instructor: Dr DS Nobes Win 2021		DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: ± 0.5° LINEAR X = ± 0.5 X.X = ± 0.1 X.XX = ± 0.025		David Nobes		TITLE:		
Comments:		SURFACE FINISH µm 0.6 ✓		Student #	Staff	The Dimensioning Exercise		
		DO NOT SCALE DRAWING		Lab Day	All			
MATERIAL: Brass		TA Initials		DSN	SM By	D.S. Nobes	SIZE B Assignment Number Assignment 12	
FILE NAME: MecE_265_Ass12_W2021		April 9, 2021 2:26:35 PM April 12, 2011 9:02:16 AM				REV C		
						SCALE: 3:4	Mass: 1408.26	SHEET 1 OF 1