



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: June 30, 2022

AUTOMark Assessment Grade: 269 out of 290

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: 23-Dec-2020 16:08:23

DRAWING LAST SAVE DATE: 29-Jun-2022 11:47:34

MODEL CREATION DATE: 09-Jun-2016 09:39:47

MODEL LAST SAVE DATE: 13-Aug-2021 16:01:41

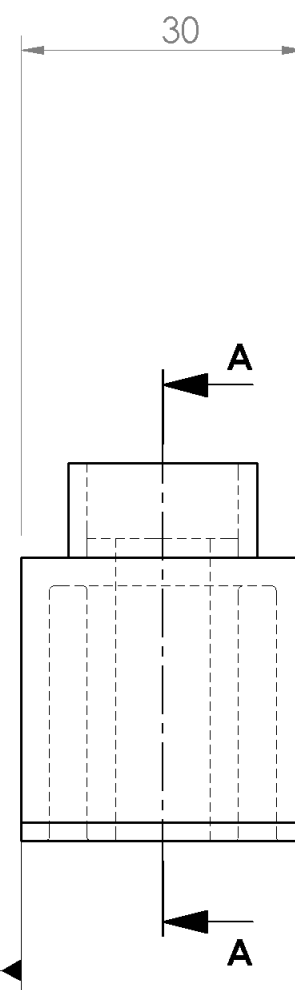
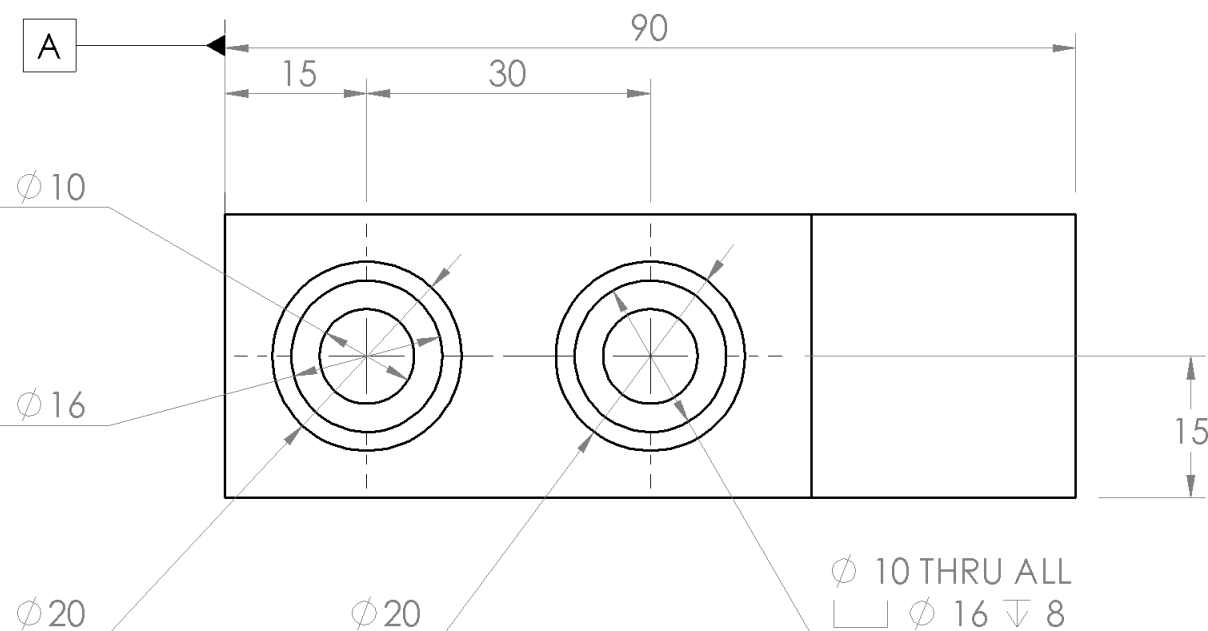
AutoMARK details:



- 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):

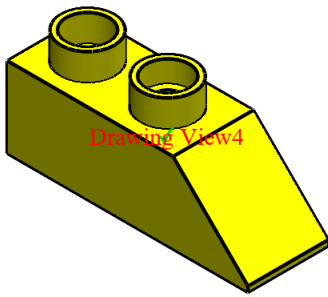
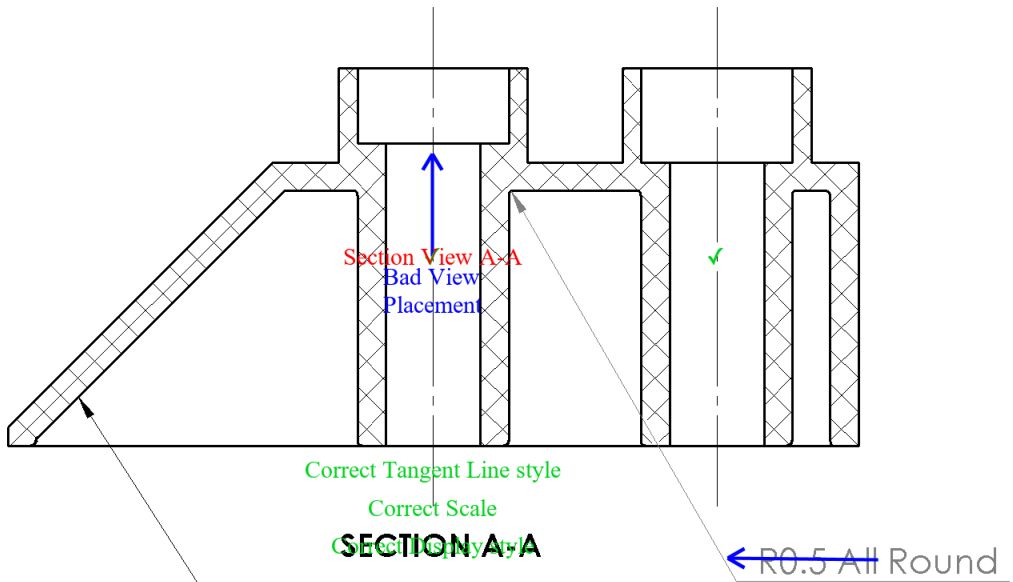
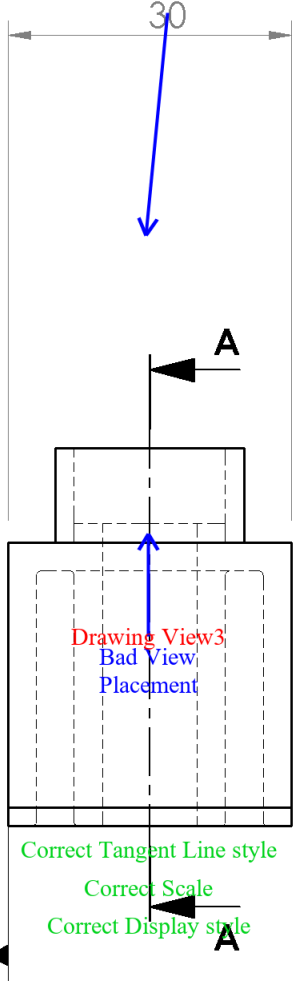
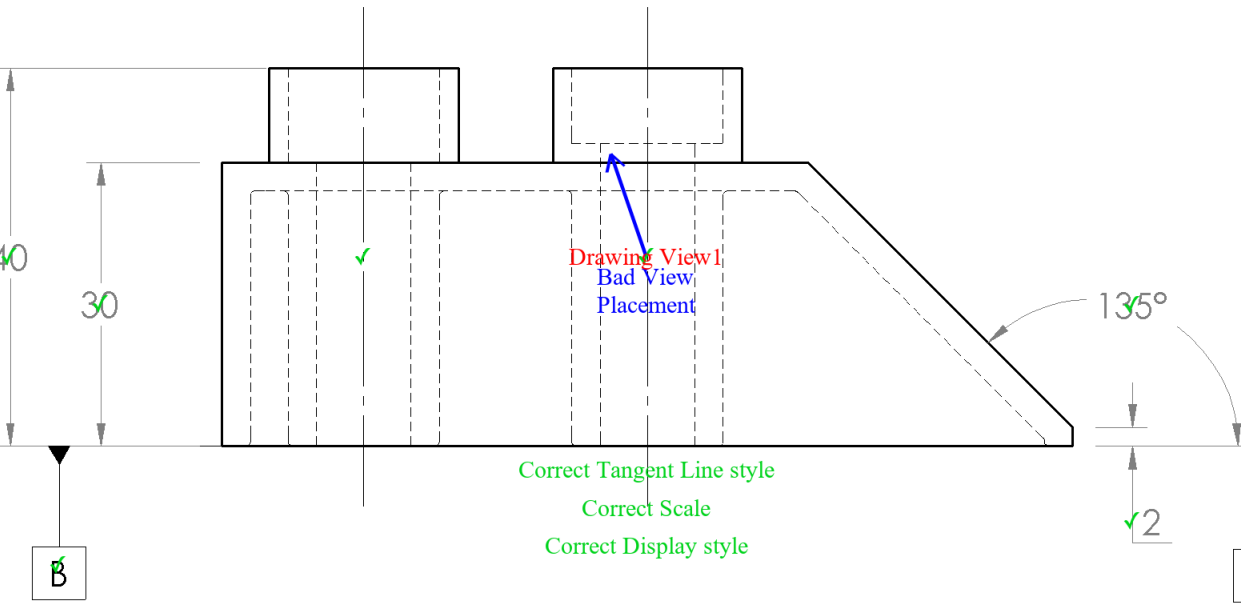
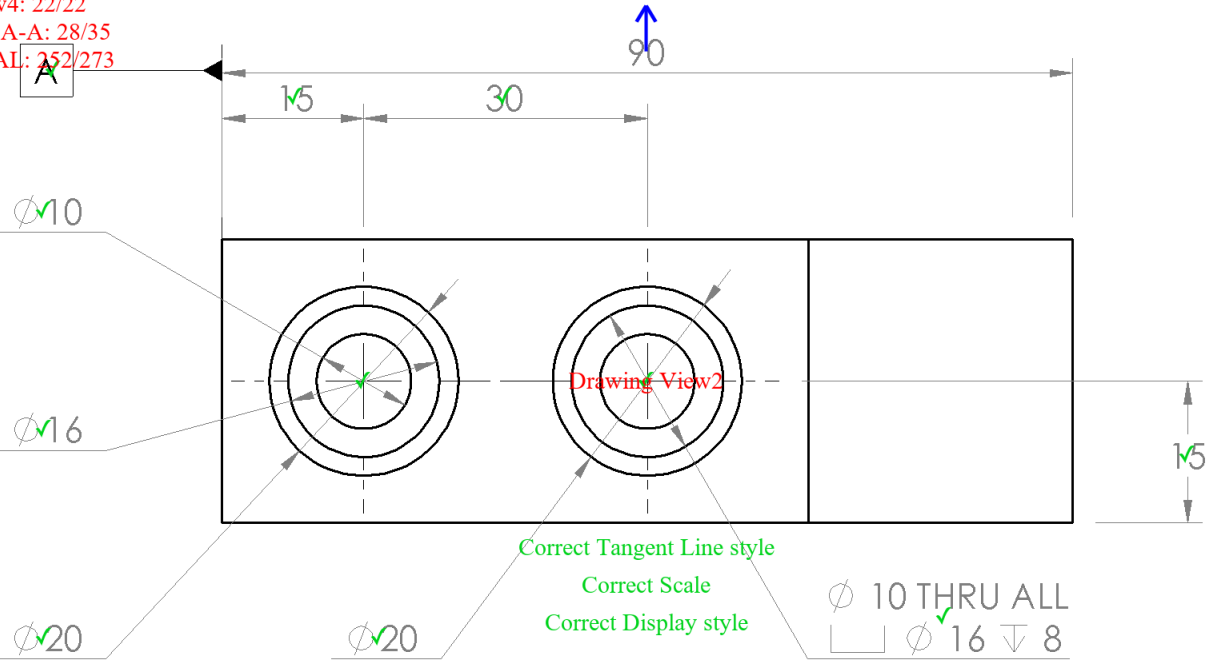
- DRAWING: SheetOrder, ExtraSheets
- SHEET: SheetPaperSize, SheetScale, SheetTemplate, SheetExtraBOMS, SheetExtraViews, SheetViewTypes, SheetIntersectingBallons
- BILLOFMATERIALS: BOMTableType, BOMNumberColumns, BOMNumberRows, BOM-Position, BOMTableHeight, BOMTableWidth, BOMFontType, BOMFontSize
- VIEW: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



MecE 265 Instructor: Dr. Nobes F2021 Comments: This is my first assignment in MecE 265, but is Assignment ZERO! 		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		DRAWING BY: David S. Nobes Lab Day: BOTH SM By: D.S.Nobes TA Initials: DSN zacha August 13, 2021 4:01:41 PM June 9, 2016 9:39:47 AM		The Department of Mechanical Engineering UNIVERSITY OF ALBERTA TITLE: The LEGO BRICK SIZE B Assignment Number Assignment ZERO REV 1 SCALE: 5:4 Mass: 32.36 SHEET 1 OF 1	
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Drawing View1: 47/53
Drawing View2: 81/82
Drawing View3: 25/32
Drawing View4: 22/22
Section View A-A: 28/35
SHEET TOTAL: 252/273



Correct Tangent Line style
Correct Scale
Correct Display style

Correct Tangent Line style
Correct Scale
Correct Display style

Ø 10 THRU ALL
Ø 16
8

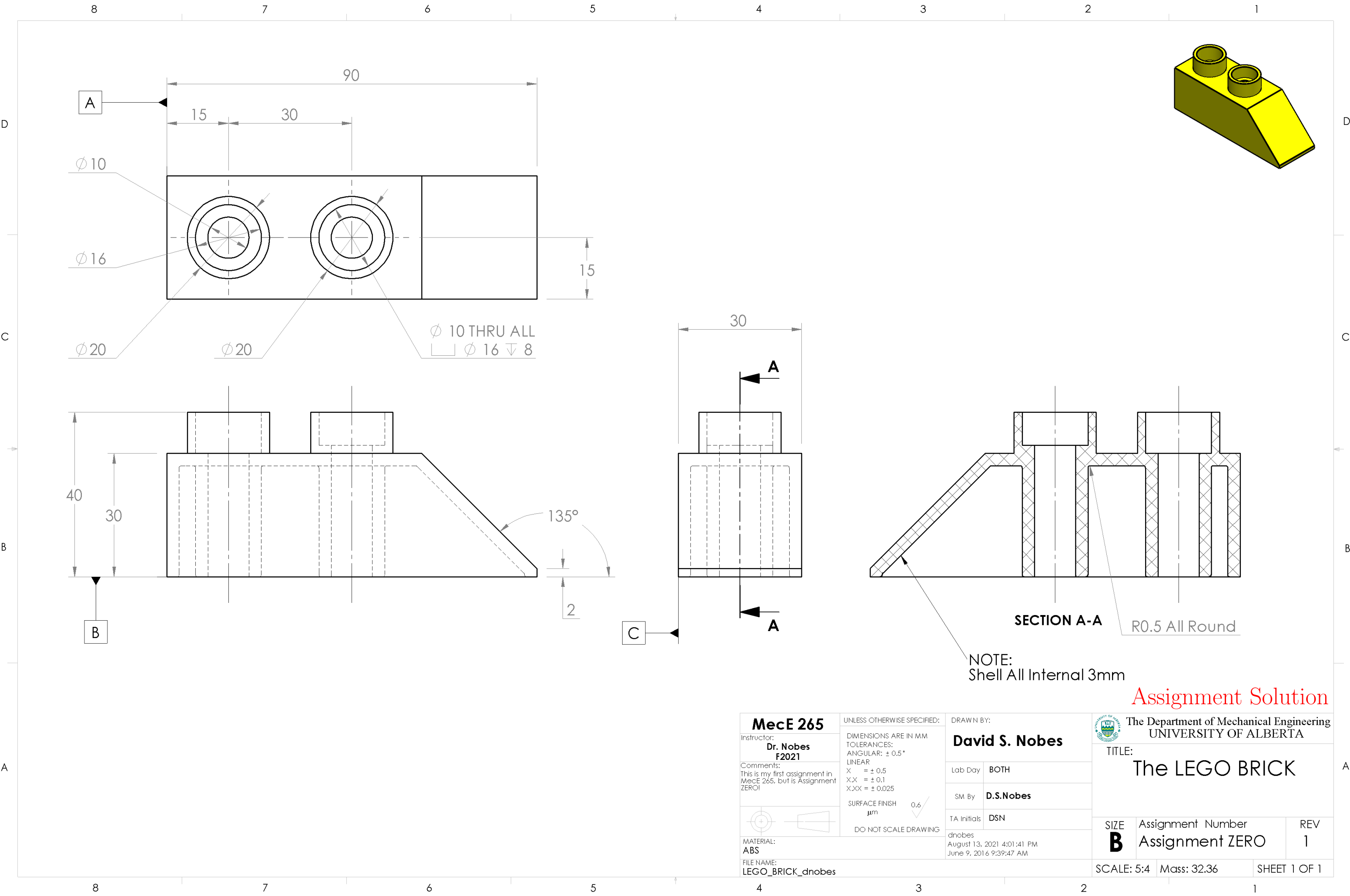
Correct Tangent Line style
Correct Scale
Correct Display style

Correct Tangent Line style
Correct Scale
Correct Display style


Correct Tangent Line style
Correct Scale
Correct Display style

← R0.5 All Round

MecE 265		UNLESS OTHERWISE SPECIFIED:		DRAWN BY	
Instructor: Dr. Nobes F2021		DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: ± 0.5° LINEAR X = ± 0.5 X.X = ± 0.1 X.XX = ± 0.025		David S. Nobes	
Comments: This is my first assignment in MecE 265, but is Assignment ZERO!		SURFACE FINISH µm 0.6		Lab Day	BOTH
		DO NOT SCALE DRAWING		SM By	D.S.Nobes
MATERIAL: ABS		zacha August 13, 2021 4:01:41 PM June 9, 2016 9:39:47 AM		TA Initials	DSN
FILE NAME: LEGO_BRICK_dnobes		NOTE: Shell All Internal 3mm		TITLE: The LEGO BRICK	
				SIZE B	Assignment Number Assignment ZERO
				SCALE: 5:4	Mass: 32.36
				REV 1	
				SHEET 1 OF 1	



Assignment Solution

MecE 265		UNLESS OTHERWISE SPECIFIED:		DRAWN BY:		 The Department of Mechanical Engineering UNIVERSITY OF ALBERTA		
Instructor: Dr. Nobes F2021		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 LEGO BRICK		
Comments: This is my first assignment in MecE 265, but is Assignment ZERO!		SURFACE FINISH μm 0.6 ✓		Lab Day	BOTH			
		DO NOT SCALE DRAWING		SM By	D.S.Nobes			
		MATERIAL: ABS		dnobes August 13, 2021 4:01:41 PM June 9, 2016 9:39:47 AM		TA Initials	DSN	
FILE NAME: LEGO_BRICK_dnobes				SCALE: 5:4		Mass: 32.36		SHEET 1 OF 1