



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 4, 2022

*AUTOMark Assessment Grade: **270 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

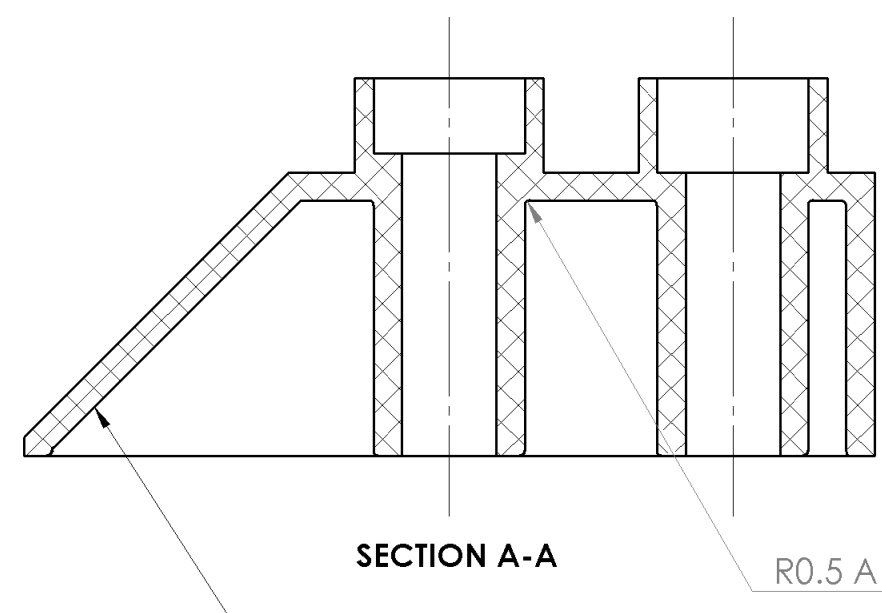
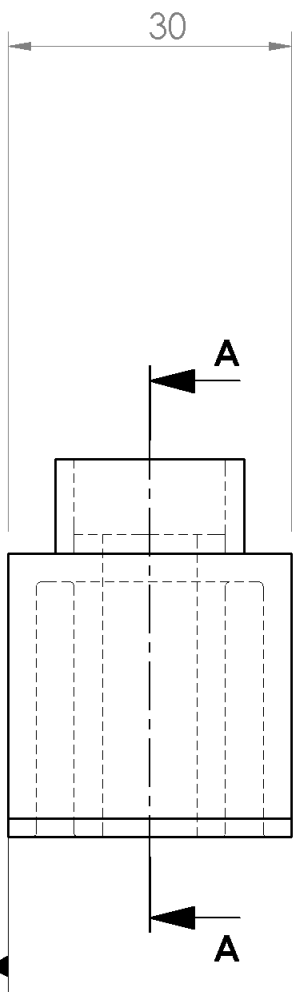
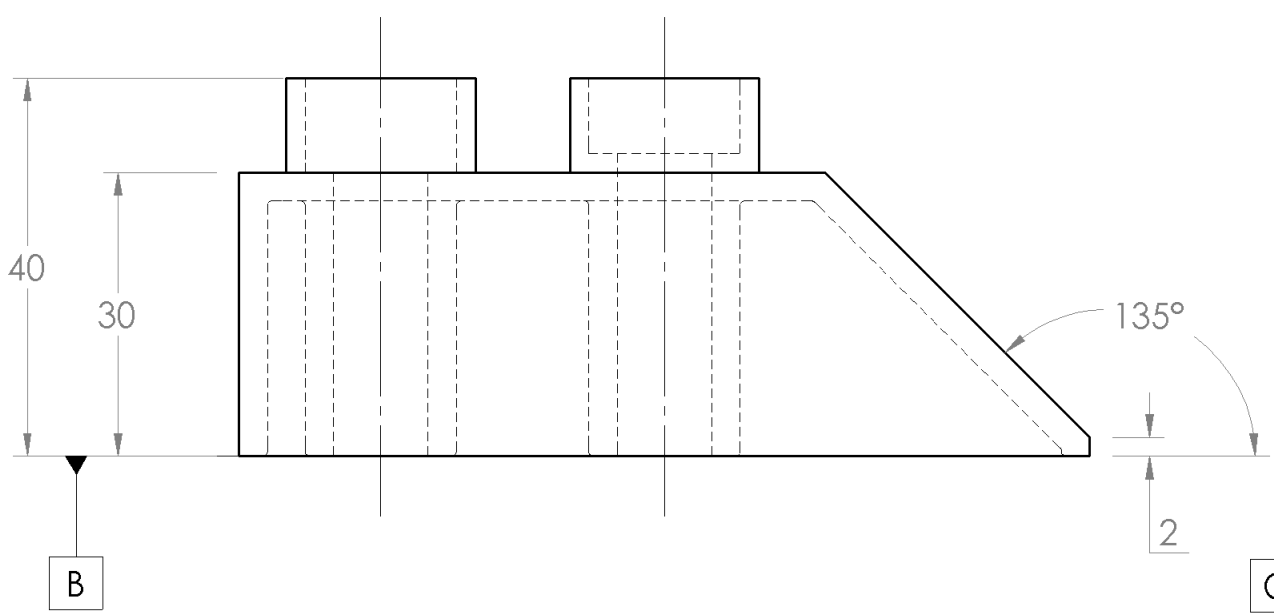
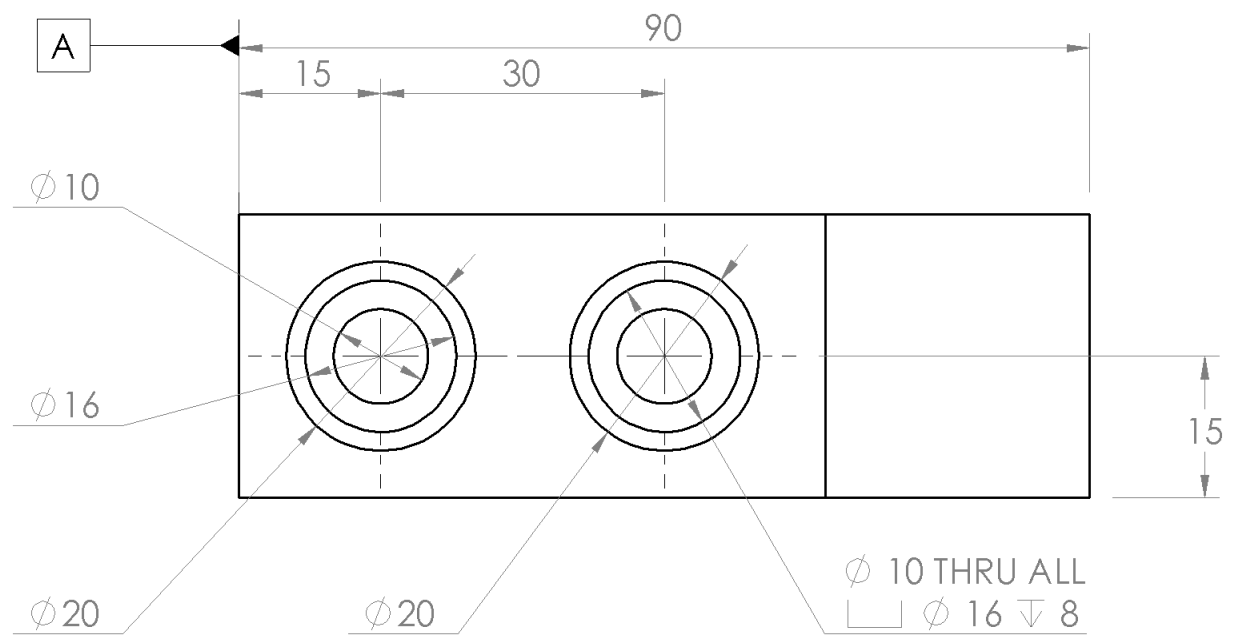
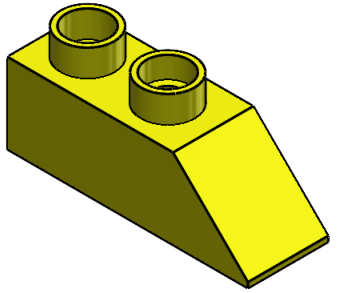
AutoMARK details:

- 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

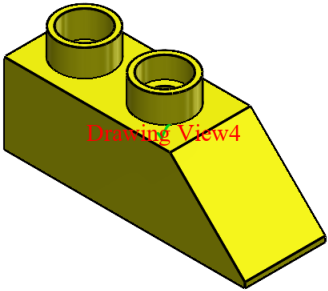
Symbol/Colour	Meaning
✓	No deductions on feature
Colour	Incorrect value
Colour	Miscellaneous error
Colour	Incorrect Position
Colour	Unrecognized feature
Colour	Missing feature
?	Feature not found on key



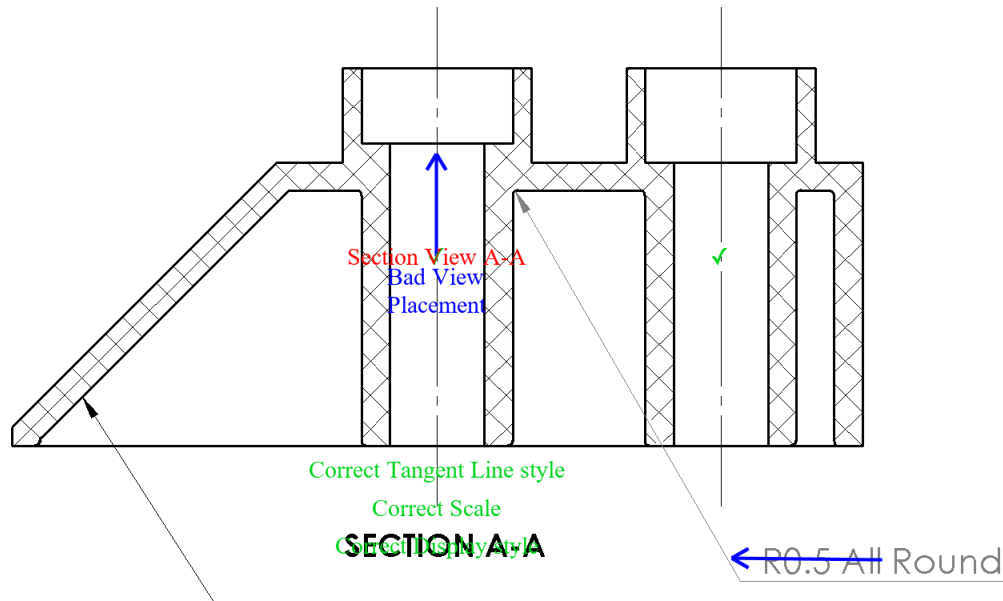
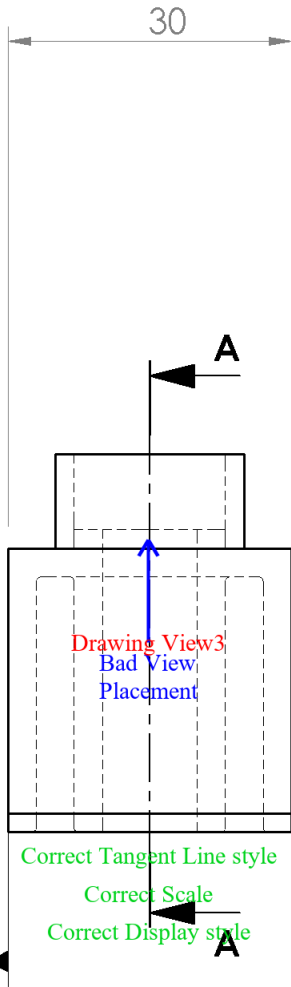
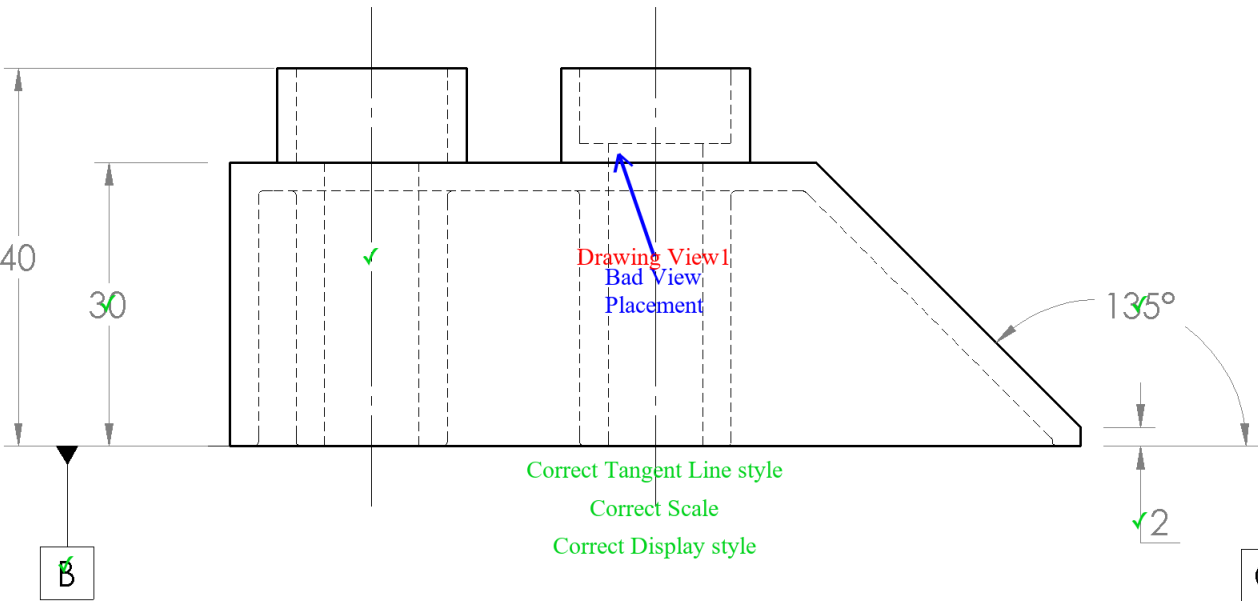
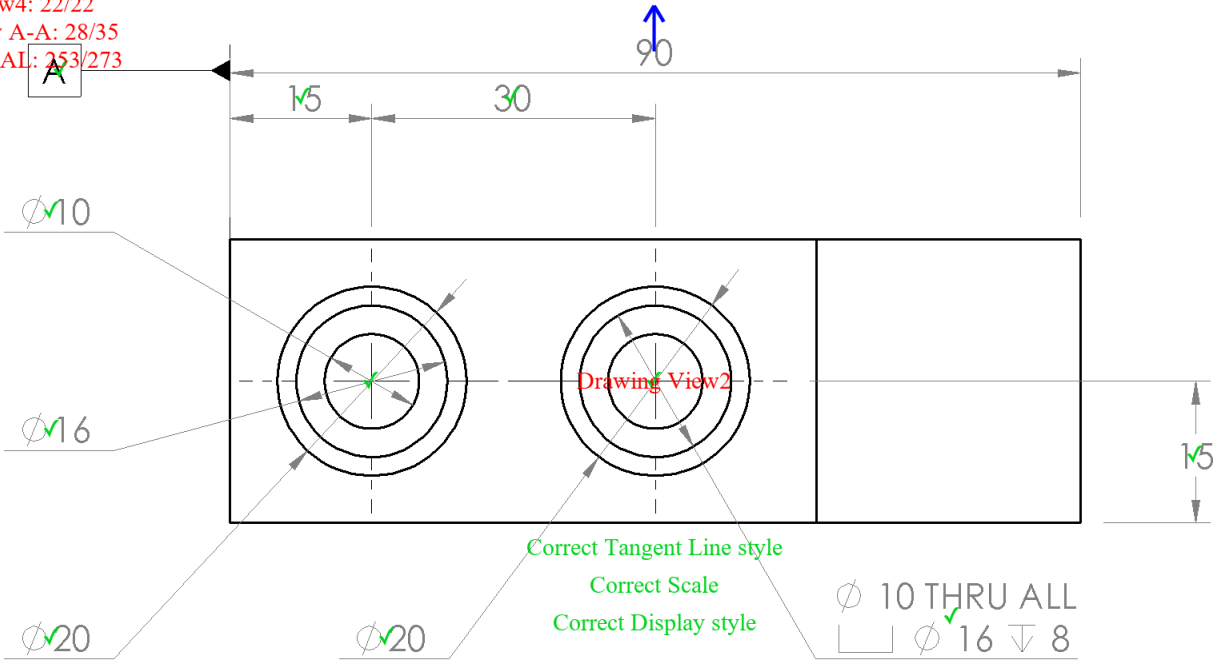
NOTE: Shell All Internal 3mm

MecE 265		UNLESS OTHERWISE SPECIFIED:		DRAWN BY	
Instructor: Dr. Nobes F2021		DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: $\pm 0.5^\circ$ LINEAR X = ± 0.5 X.X = ± 0.1 X.XX = ± 0.025		The Department of Mechanical Engineering UNIVERSITY OF ALBERTA	
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		TA Initials DSN	
FILE NAME: LEGO_BRICK_dnobes		zacha August 13, 2021 4:01:41 PM June 9, 2016 9:39:47 AM		TITLE: The LEGO BRICK	
SCALE: 5:4		Mass: 32.36		REV 1	
SHEET 1 OF 1					

Drawing View1: 47/53
Drawing View2: 81/82
Drawing View3: 26/32
Drawing View4: 22/22
Section View A-A: 28/35
SHEET TOTAL: 253/273



Correct Tangent Line style
Correct Scale
Correct Display style



MecE 265

Instructor:
Dr. Nobes
F2021

Comments:
This is my first assignment in
MecE 265, but is Assignment
ZERO!



MATERIAL:
ABS

FILE NAME:
LEGO_BRICK_dnobes

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 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

NOTE: Shell All Internal 3mm
Automark of Student Submission



The Department of Mechanical Engineering
UNIVERSITY OF ALBERTA

TITLE:

The LEGO BRICK

SIZE

B

Assignment Number
Assignment ZERO

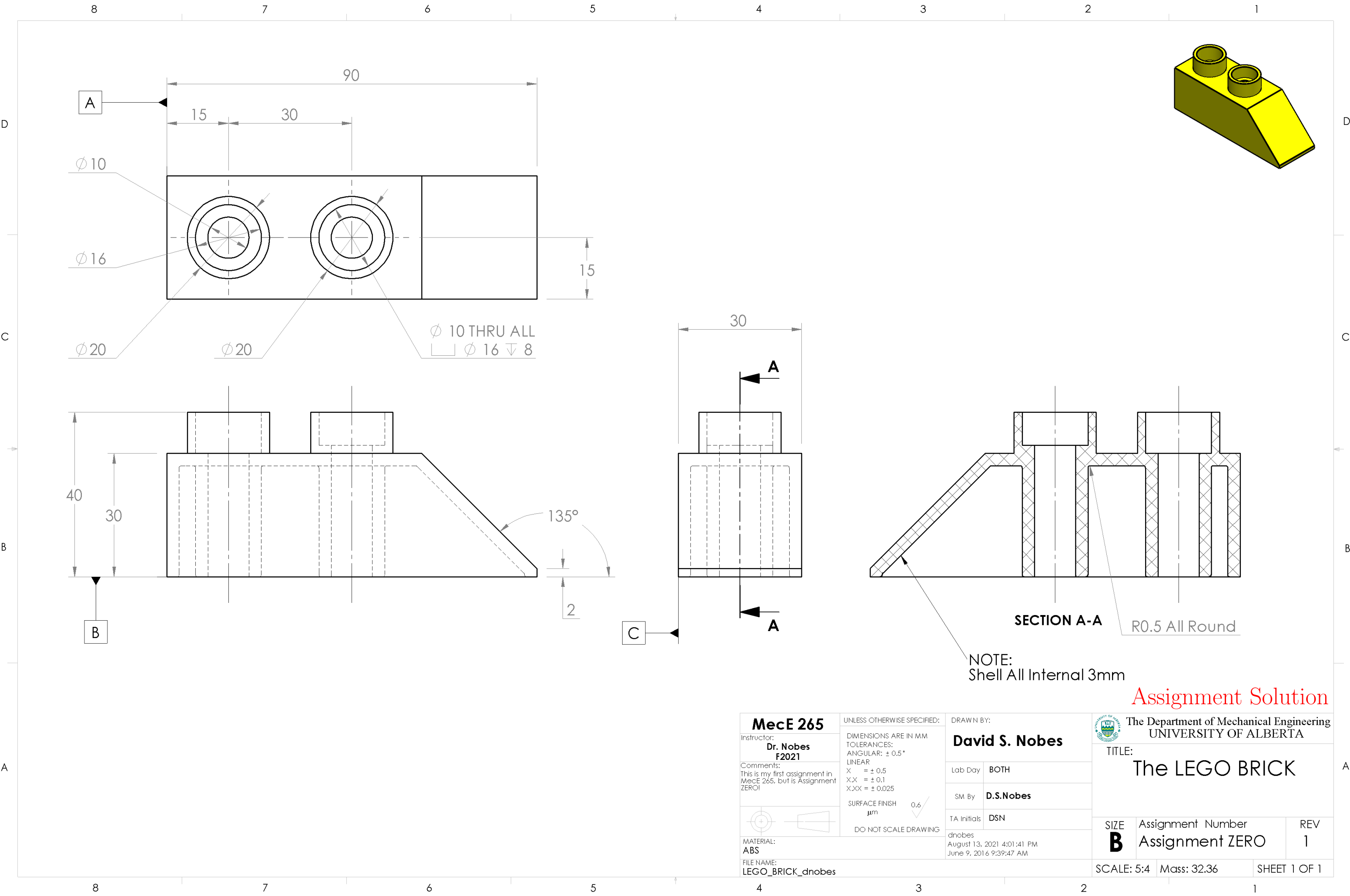
REV

1



SCALE: 5:4

Mass: 32.36

SHEET 1 OF 1



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: $\pm 0.5^\circ$ LINEAR X = ± 0.5 X.X = ± 0.1 X.XX = ± 0.025		David S. Nobes		TITLE:	
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MATERIAL: ABS				TA Initials	DSN	SIZE B	Assignment Number Assignment ZERO
FILE NAME: LEGO_BRICK_dnobes				dnobes August 13, 2021 4:01:41 PM June 9, 2016 9:39:47 AM		REV 1	
				SCALE: 5:4		Mass: 32.36	SHEET 1 OF 1