



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: **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

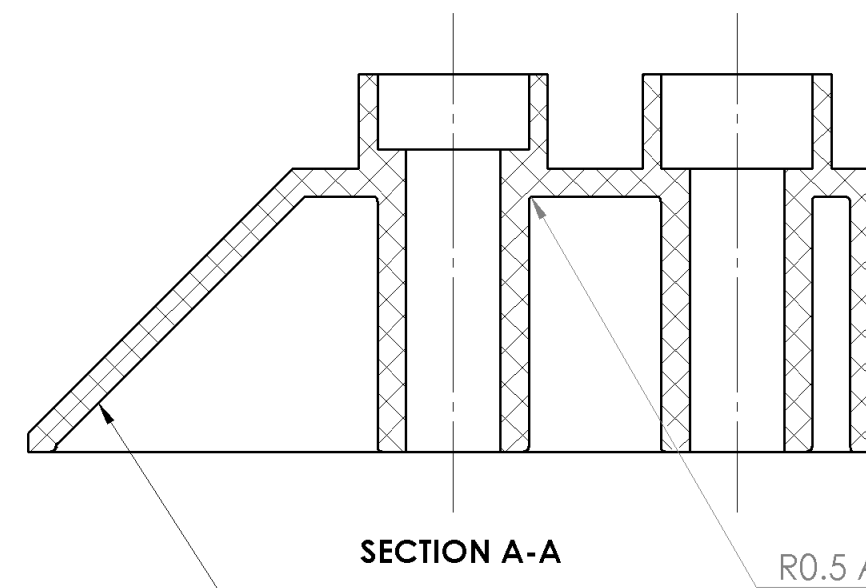
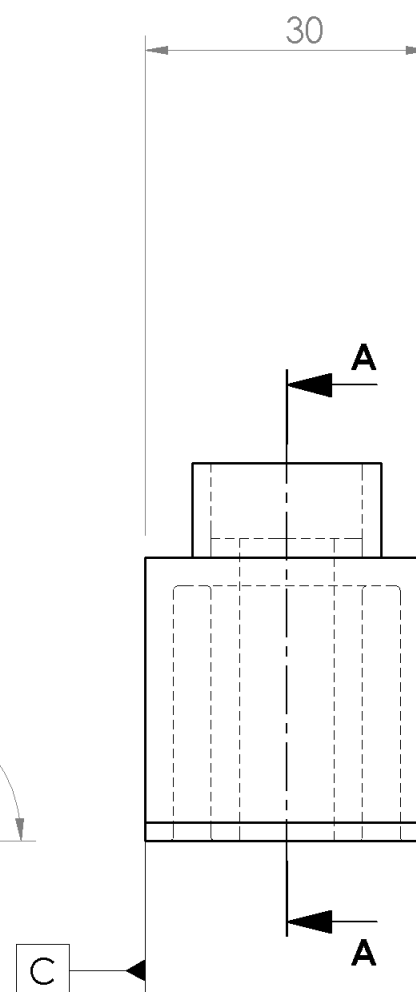
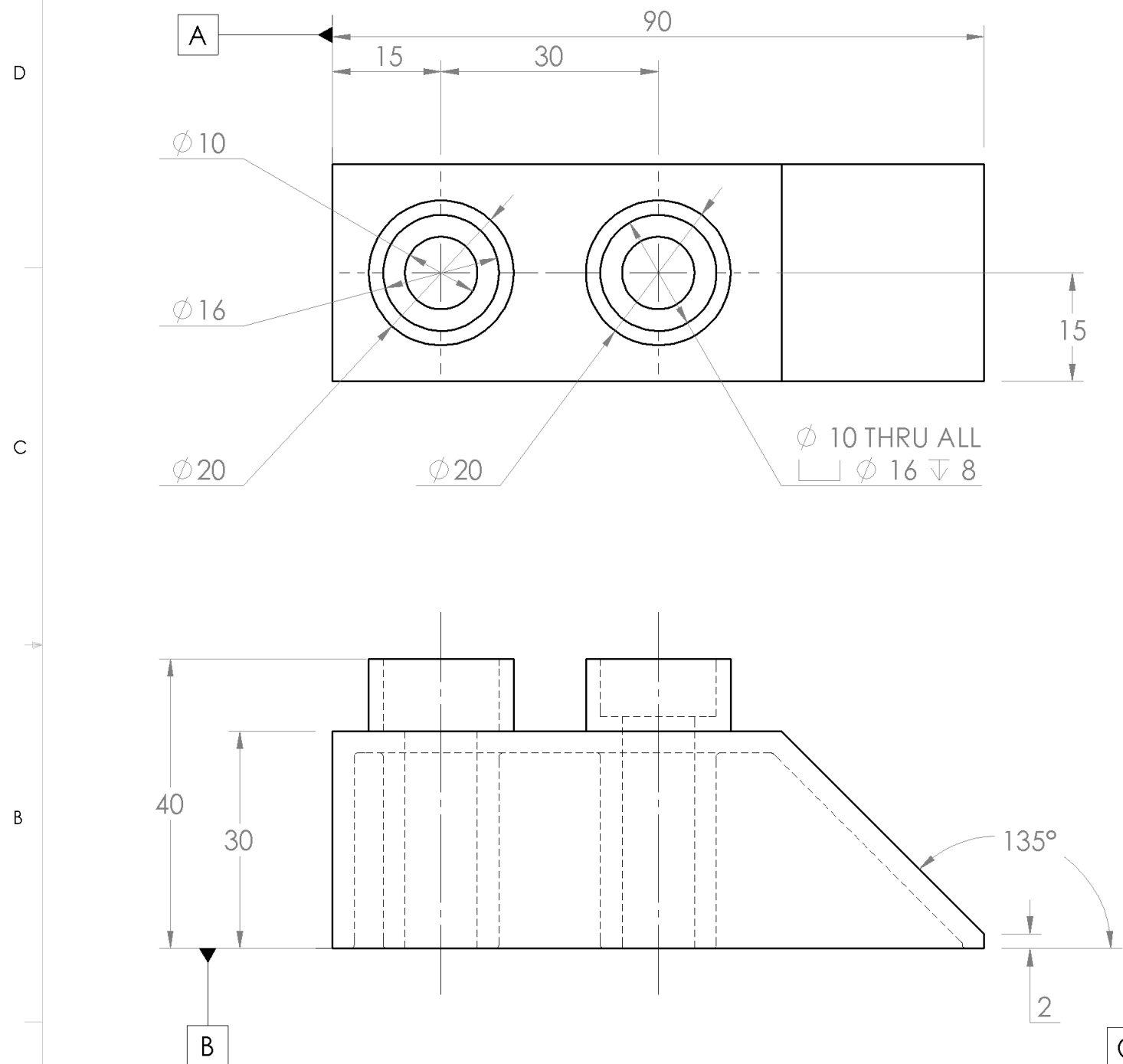
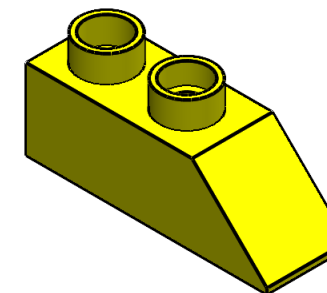
AutoMARK details:

- 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



SECTION A-A

R0.5 All Round

NOTE:

NOTE: Shell All Internal 3mm

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

4	Mass: 32.36
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SHEET 1 OF 1

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_dnobs

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	0.6
μm	✓

DO NOT SCALE DRAWING

DRAWING

David S. Nobes

Lab Day	BOTH
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SM By **D.S.Nobes**

TA Initials	DSN
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zacha
August 13, 2021 4:01:41 PM
June 9, 2016 9:39:47 AM

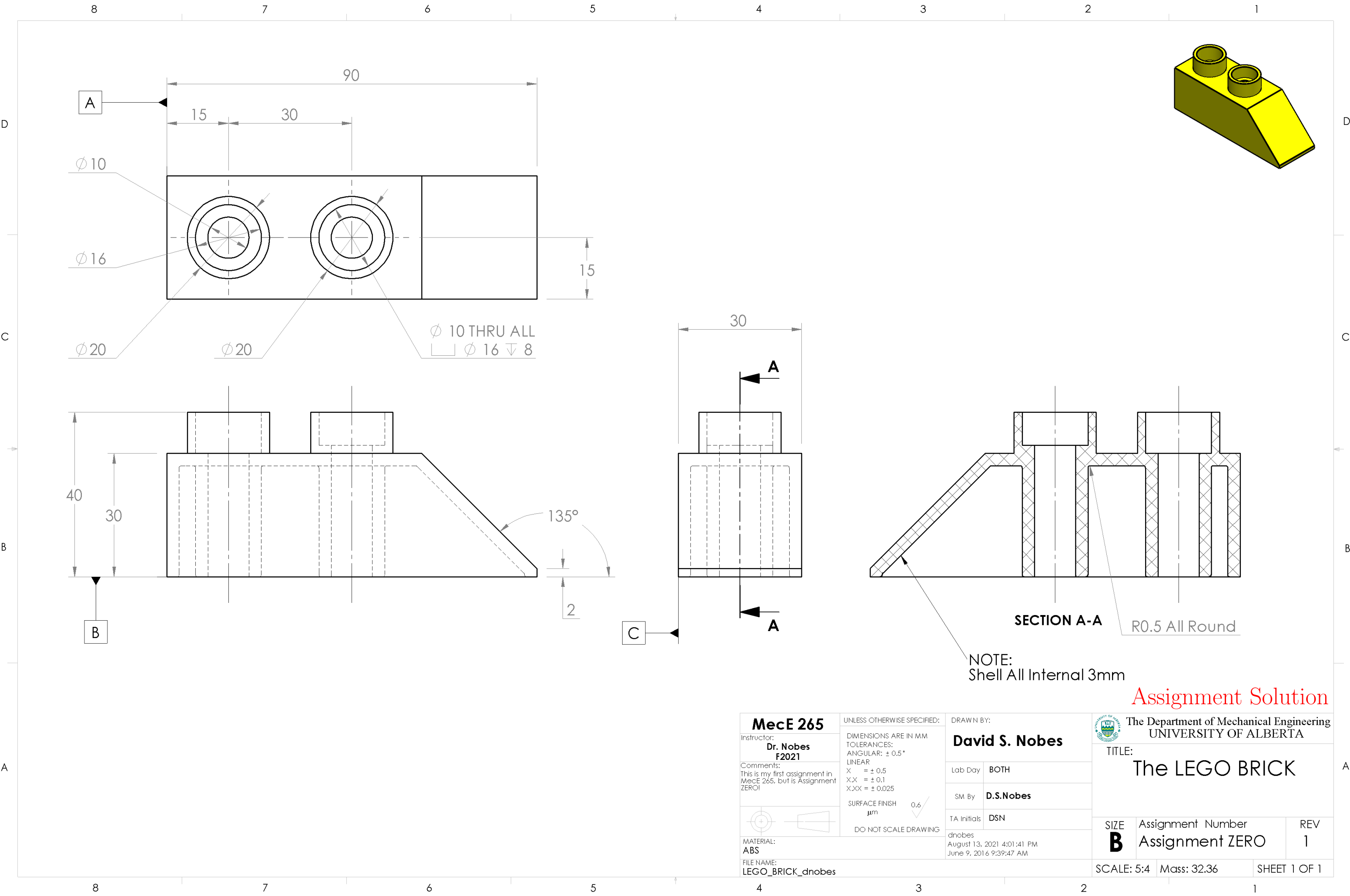
A

A





A

A



Assignment Solution

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