



# 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: 278 out of 290*

*AUTOMark Recommended Grade: 96 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 11:46:15

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

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

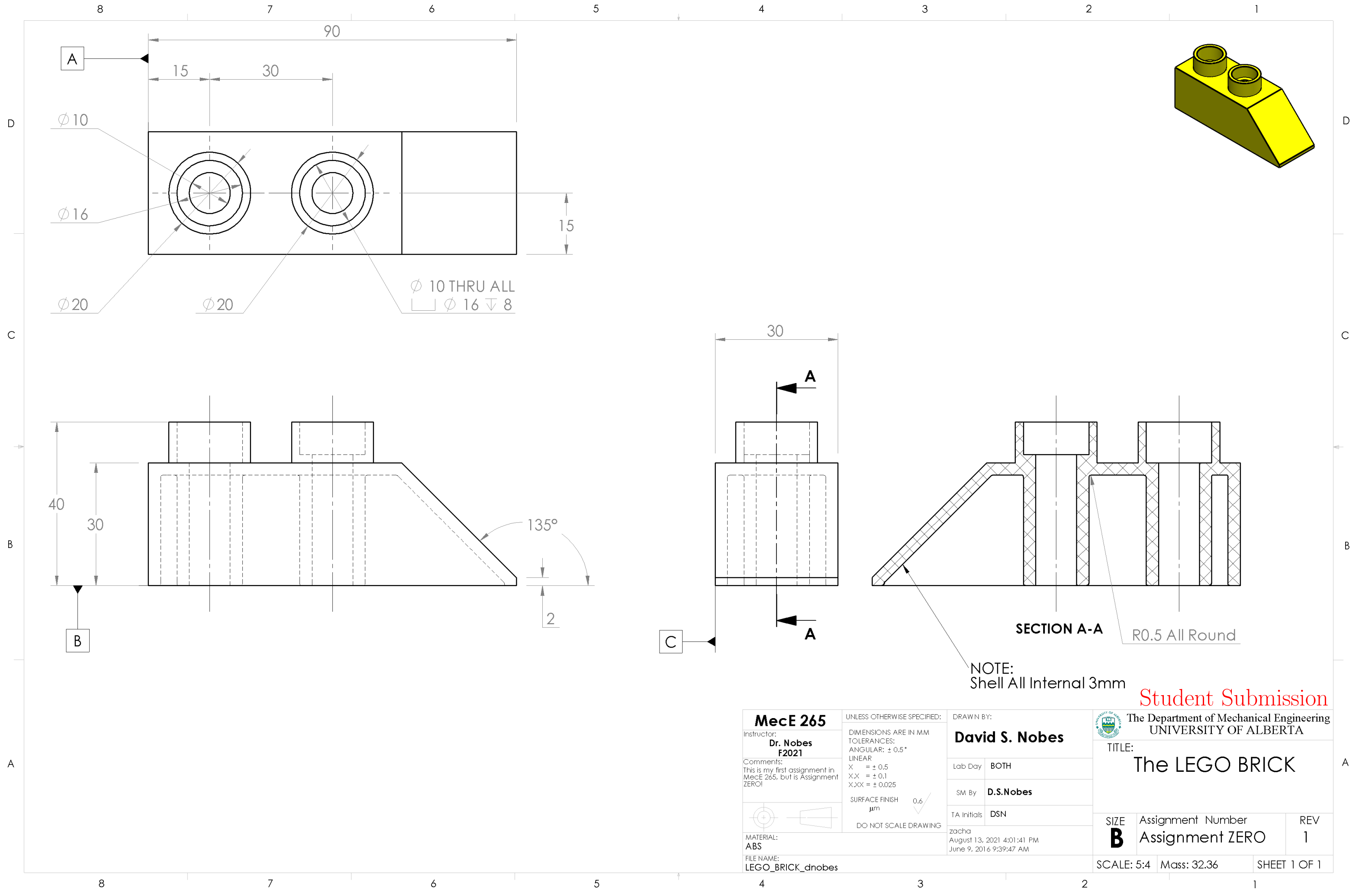
AutoMARK details:



- 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):

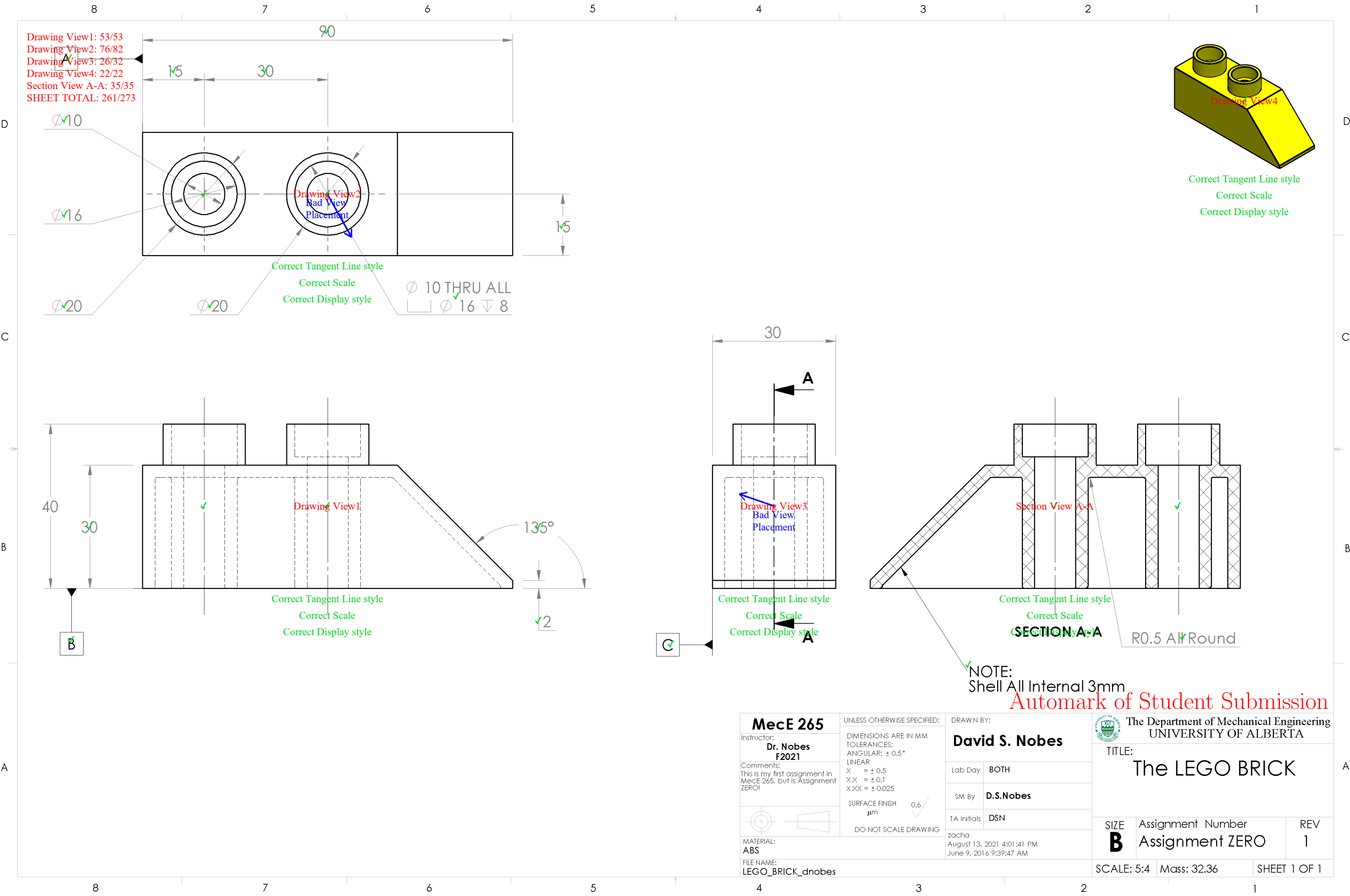
- DRAWING: SheetOrder, ExtraSheets
- SHEET: SheetPaperSize, SheetScale, SheetTemplate, SheetExtraBOMS, SheetExtraViews, SheetViewTypes, SheetIntersectingBallons
- BILLOFMATERIALS: BOMTableType, BOMNumberColumns, BOMNumberRows, BOM-Position, BOMTableHeight, BOMTableWidth, BOMFontType, BOMFontSize
- VIEW: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

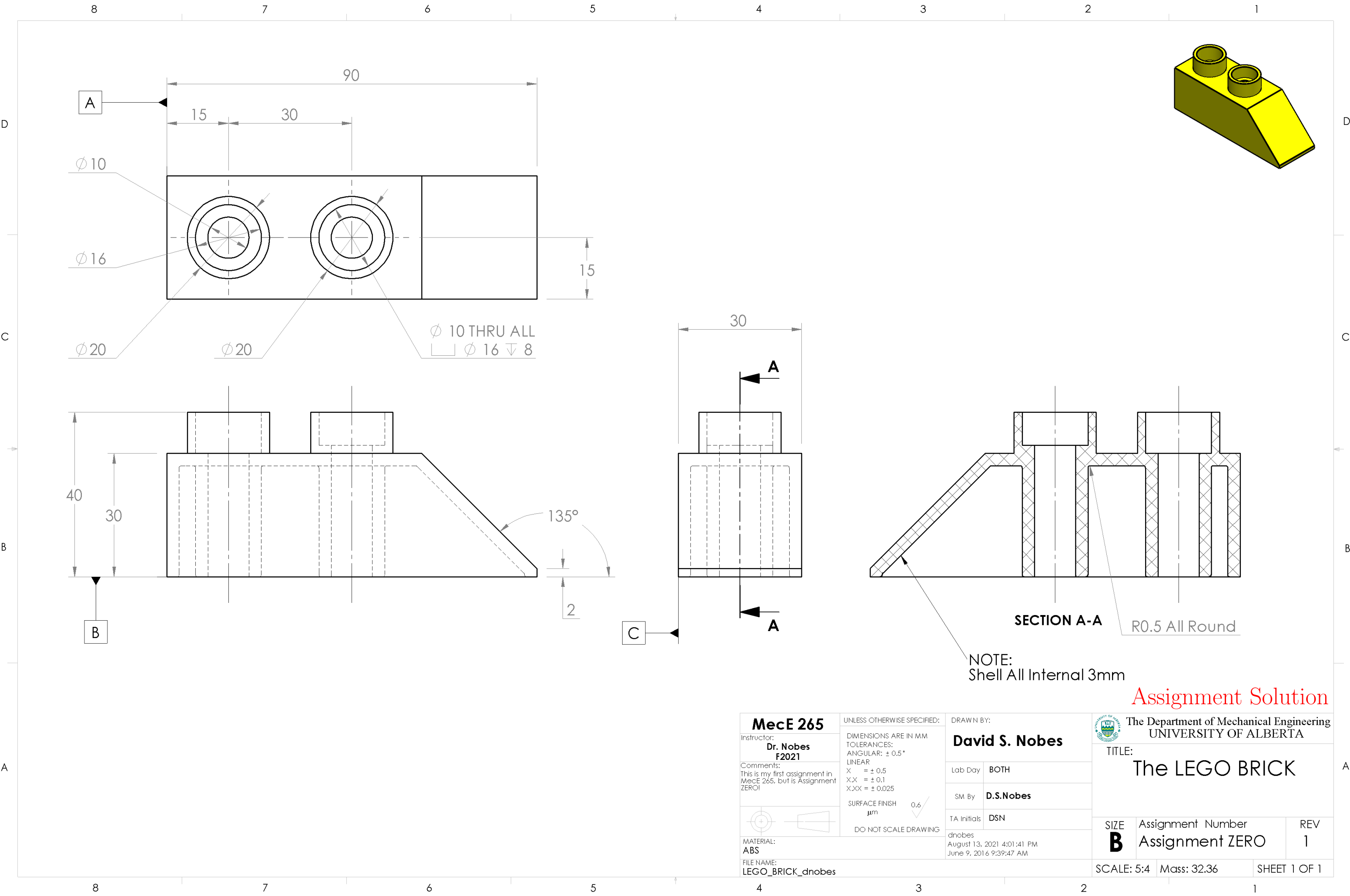
Symbol/Colour	Meaning
✓	No deductions on feature
Colour	Incorrect value
Colour	Miscellaneous error
Colour	Incorrect Position
Colour	Unrecognized feature
Colour	Missing feature
?	Feature not found on key





<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>DO NOT SCALE DRAWING</div></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>zacha 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><tr><td>SCALE: 5:4</td><td>Mass: 32.36</td><td>SHEET 1 OF 1</td></tr></table>	SIZE B	Assignment Number Assignment ZERO	REV 1	SCALE: 5:4	Mass: 32.36	SHEET 1 OF 1
Lab Day	BOTH															
SM By	D.S.Nobes															
TA Initials	DSN															
SIZE B	Assignment Number Assignment ZERO	REV 1														
SCALE: 5:4	Mass: 32.36	SHEET 1 OF 1														

Student Submission





Assignment Solution

<b>MecE 265</b>		UNLESS OTHERWISE SPECIFIED:		 The Department of Mechanical Engineering UNIVERSITY OF ALBERTA	
Instructor: <b>Dr. Nobes</b> <b>F2021</b>		DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: $\pm 0.5^\circ$ LINEAR X = $\pm 0.5$ X.X = $\pm 0.1$ X.XX = $\pm 0.025$		DRAWN BY: <b>David S. Nobes</b>	
Comments: This is my first assignment in MecE 265, but is Assignment ZERO!		SURFACE FINISH $\mu\text{m}$ <div>0.6</div>		Lab Day	BOTH
		DO NOT SCALE DRAWING		SM By	<b>D.S.Nobes</b>
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		SIZE <b>B</b>		Assignment Number Assignment ZERO	
		SCALE: 5:4		Mass: 32.36	REV 1
				SHEET 1 OF 1	