



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: 290 out of 290

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: 23-Dec-2020 16:08:23

DRAWING LAST SAVE DATE: 29-Jun-2022 11:45:18

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

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

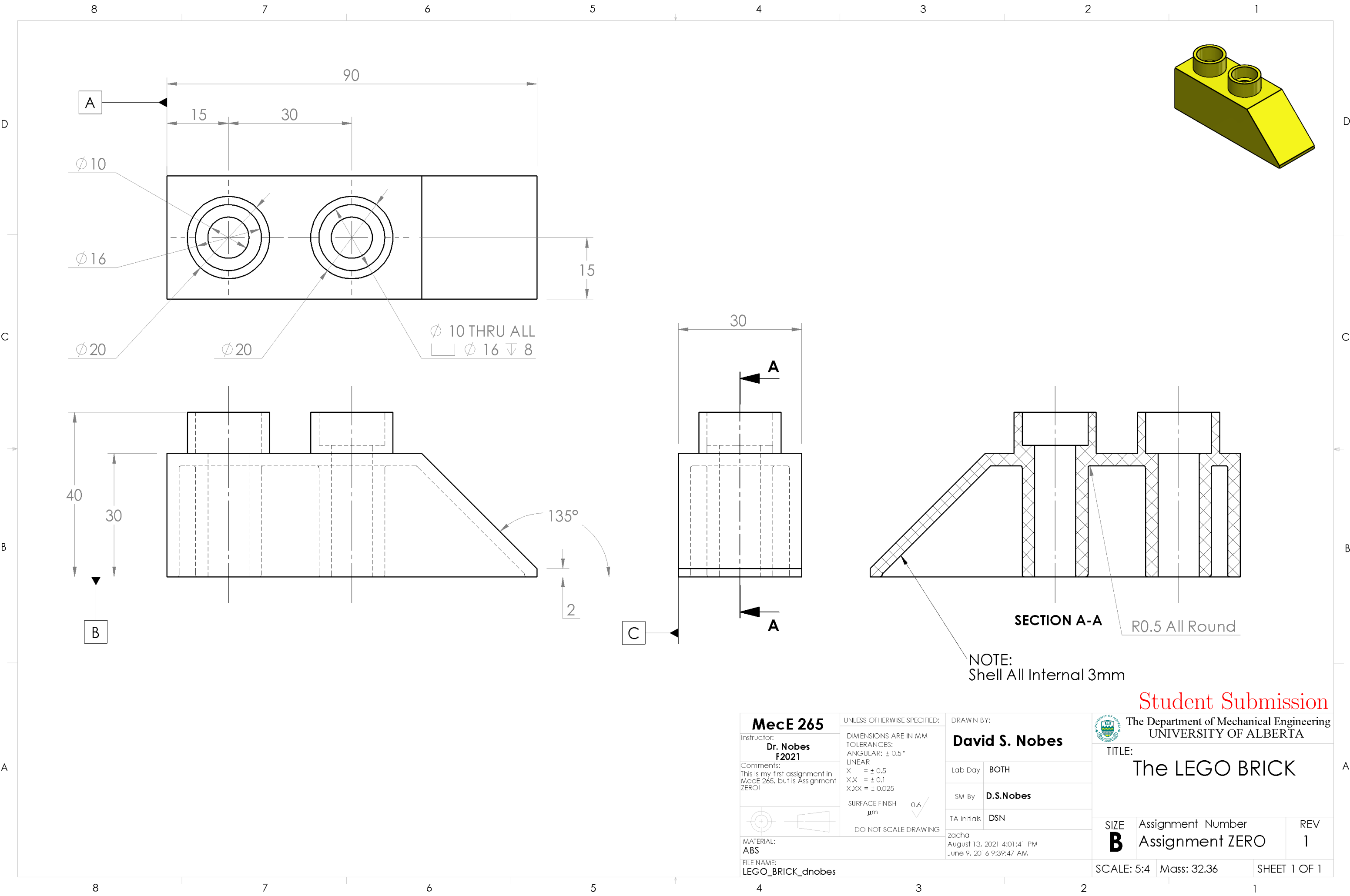
AutoMARK details:

- 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):

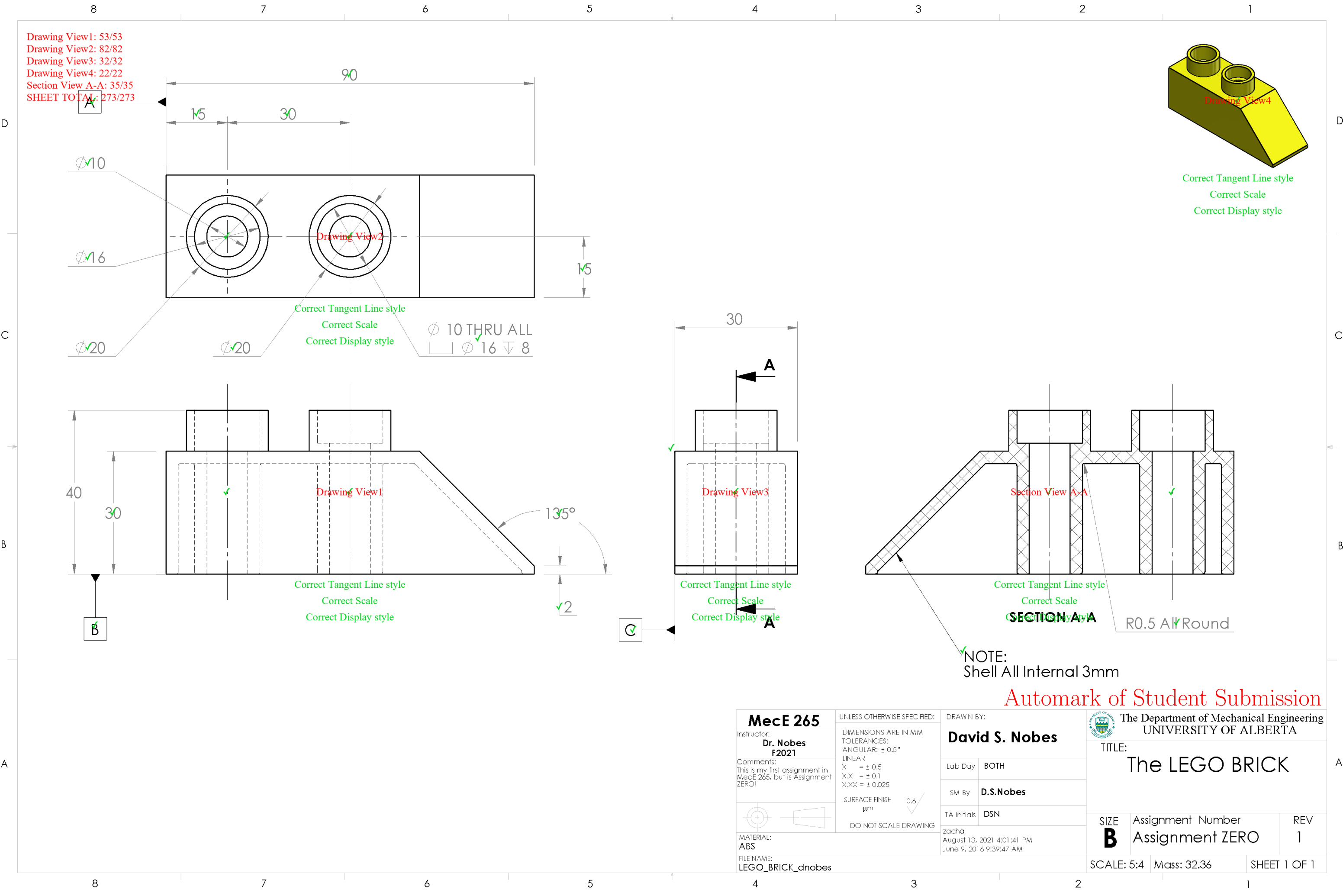
- DRAWING: SheetOrder, ExtraSheets
- SHEET: SheetPaperSize, SheetScale, SheetTemplate, SheetExtraBOMS, SheetExtraViews, SheetViewTypes, SheetIntersectingBallons
- BILLOFMATERIALS: BOMTableType, BOMNumberColumns, BOMNumberRows, BOM-Position, BOMTableHeight, BOMTableWidth, BOMFontType, BOMFontSize
- VIEW: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

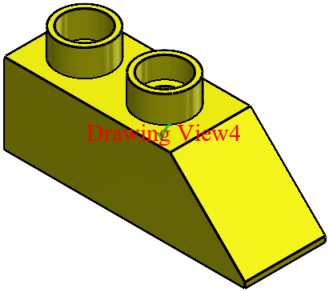


Student Submission

<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>SURFACE FINISH μm</div> <div>0.6</div> <div>DO NOT SCALE DRAWING</div>	<div>DRAWN BY:</div> <div>David S. Nobes</div> <div>Lab Day BOTH</div> <div>SM By D.S.Nobes</div> <div>TA Initials DSN</div> <div>zacha August 13, 2021 4:01:41 PM June 9, 2016 9:39:47 AM</div>	<div>The Department of Mechanical Engineering UNIVERSITY OF ALBERTA</div> <div>TITLE: The LEGO BRICK</div> <div>SIZE B</div> <div>Assignment Number Assignment ZERO</div> <div>REV 1</div> <div>SCALE: 5:4</div> <div>Mass: 32.36</div> <div>SHEET 1 OF 1</div>
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Drawing View1: 53/53
Drawing View2: 82/82
Drawing View3: 32/32
Drawing View4: 22/22
Section View A-A: 35/35
SHEET TOTAL: 273/273



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

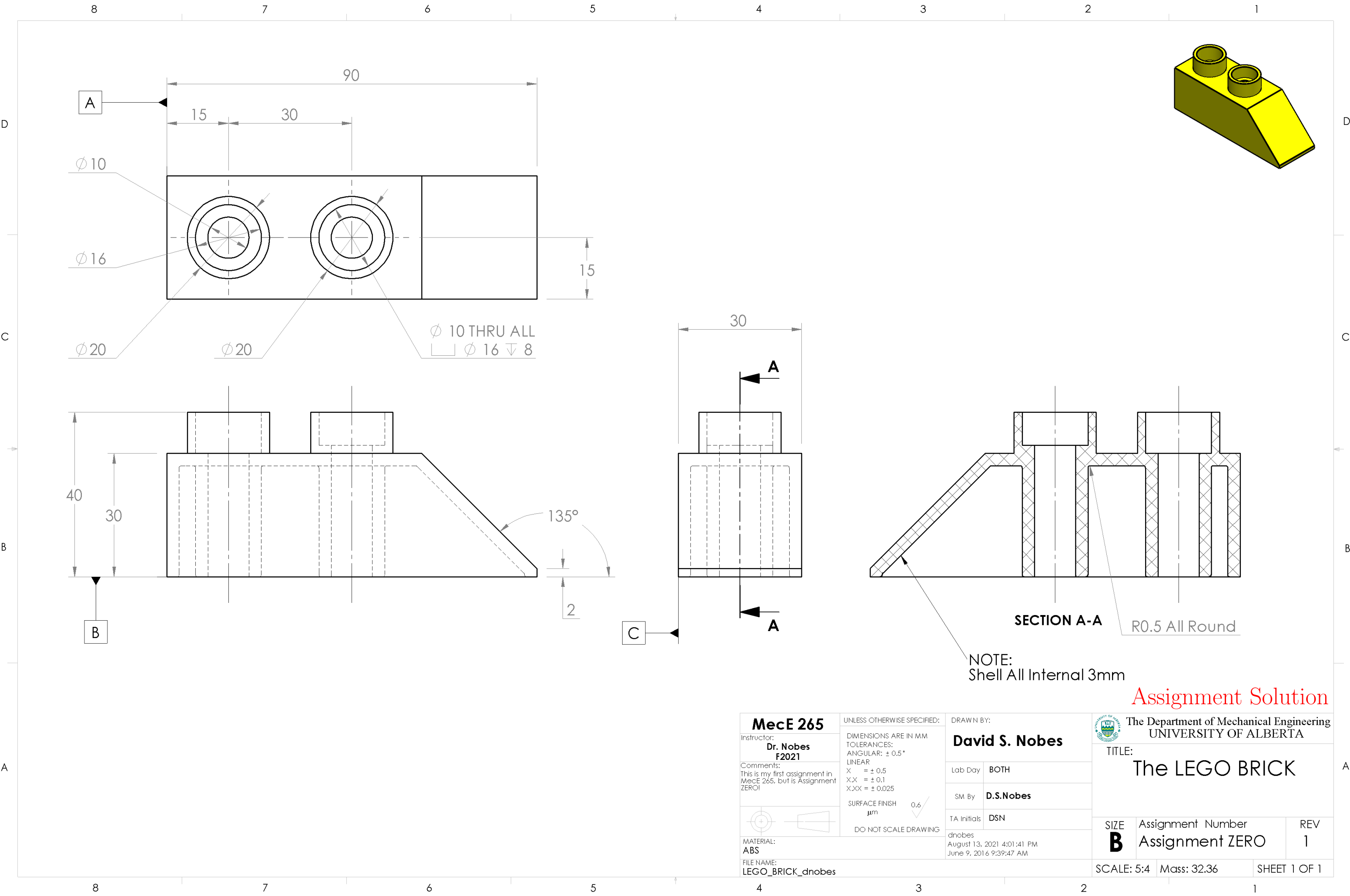
Correct Tangent Line style
Correct Scale
Correct Display style

R0.5 All Round



NOTE:
Shell All Internal 3mm

Automark of Student Submission

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			
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MATERIAL: ABS				TA Initials	DSN		SIZE B	Assignment Number Assignment ZERO	REV 1	
FILE NAME: LEGO_BRICK_dnobes				zacha August 13, 2021 4:01:41 PM June 9, 2016 9:39:47 AM						
							SCALE: 5:4		Mass: 32.36	SHEET 1 OF 1



Assignment Solution

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