


**SolidWorks Student Edition.
For Academic Use Only.**

MecE 260

Instructor:
Dr. Pierre Mertiny
Winter 2014

Comments:
MecE 260 Mini-Project



MATERIAL:
79.94

FILE NAME:
gearbox

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:
Alexandre Sauve

Student #
1371644


Lab Day

SM By
Alexandre Sauve

TA Initials

Thursday, February 13, 2014 11:34:45 PM

Thursday, February 6, 2014 12:07:05 PM



**The Department of Mechanical Engineering
UNIVERSITY OF ALBERTA**

TITLE:
Gearbox Assembly

SIZE
B

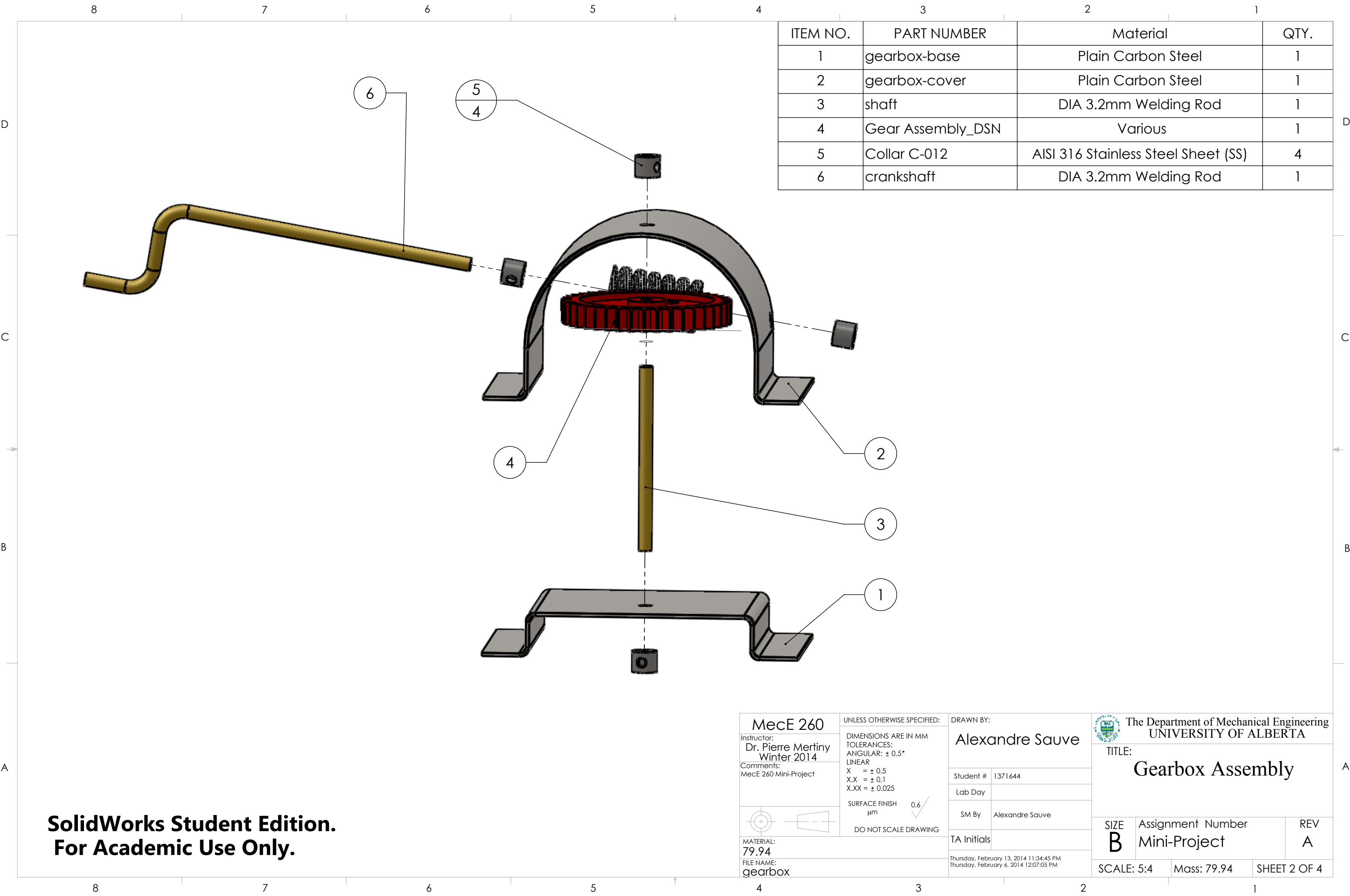
Assignment Number
Mini-Project

REV
A

SCALE: 1:1

Mass: 79.94

SHEET 1 OF 4



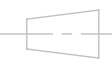

ITEM NO.	PART NUMBER	Material	QTY.
1	gearbox-base	Plain Carbon Steel	1
2	gearbox-cover	Plain Carbon Steel	1
3	shaft	DIA 3.2mm Welding Rod	1
4	Gear Assembly_DSN	Various	1
5	Collar C-012	AISI 316 Stainless Steel Sheet (SS)	4
6	crankshaft	DIA 3.2mm Welding Rod	1

SolidWorks Student Edition.
For Academic Use Only.

MecE 260

Instructor:
Dr. Pierre Mertiny
Winter 2014

Comments:
MecE 260 Mini-Project



MATERIAL:
79.94

FILE NAME:
gearbox

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MM
TOLERANCES:
ANGULAR: ± 0.5°
LINEAR
X = ± 0.5
X.X = ± 0.1
X.XX = ± 0.025

SURFACE FINISH
µm 0.6

DO NOT SCALE DRAWING

DRAWN BY:
Alexandre Sauve


Student # 1371644

Lab Day

SM By Alexandre Sauve

TA Initials

Thursday, February 13, 2014 11:34:45 PM
Thursday, February 6, 2014 12:07:05 PM

The Department of Mechanical Engineering
UNIVERSITY OF ALBERTA

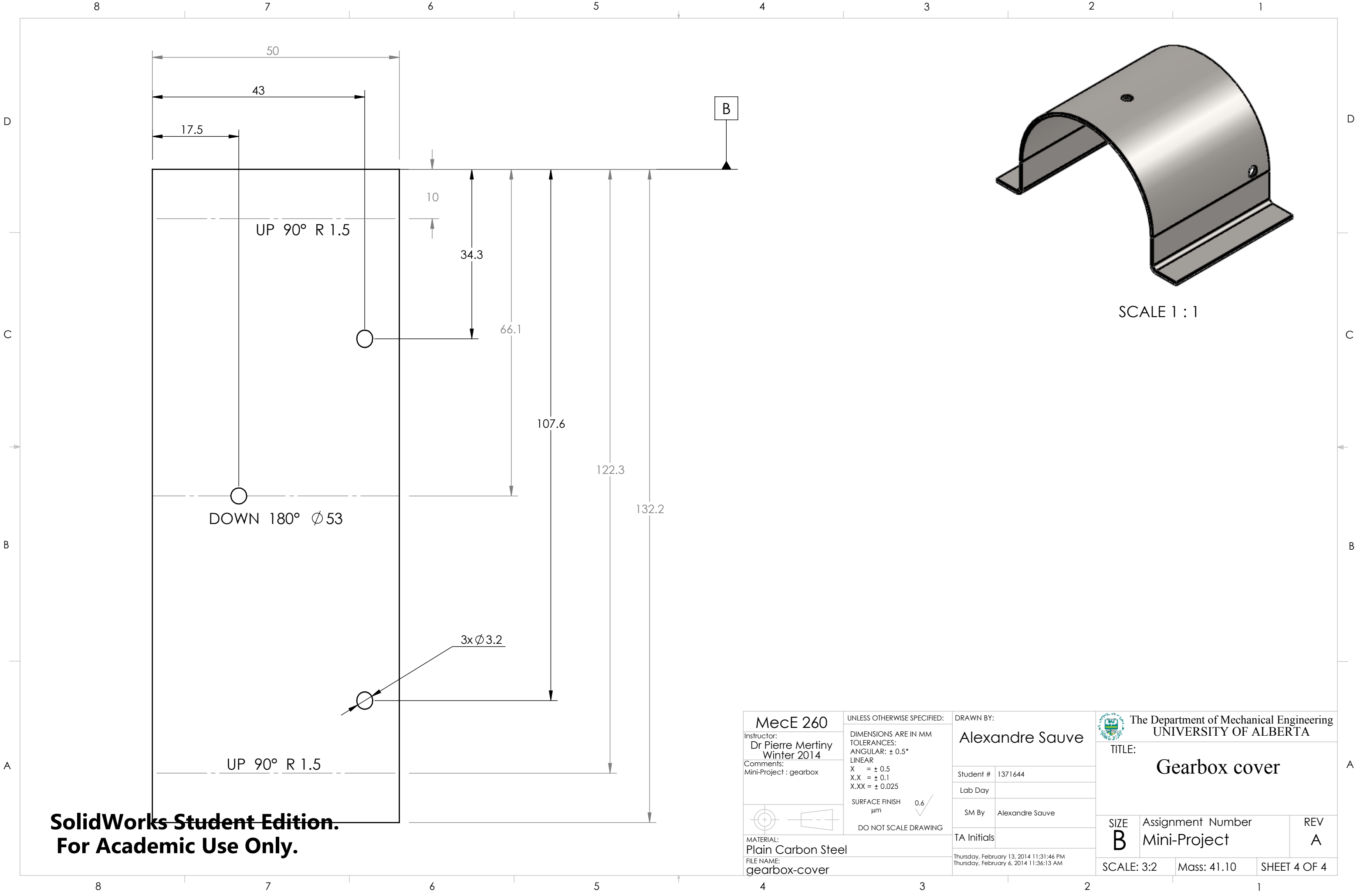
TITLE:
Gearbox Assembly

SIZE
B



Assignment Number
Mini-Project

REV
A

SCALE: 5:4 Mass: 79.94 SHEET 2 OF 4



**SolidWorks Student Edition.
For Academic Use Only.**

MecE 260		UNLESS OTHERWISE SPECIFIED:		DRAWN BY:		 The Department of Mechanical Engineering UNIVERSITY OF ALBERTA		
Instructor: Dr Pierre Mertiny Winter 2014		DIMENSIONS ARE IN MM TOLERANCES: ANGULAR: ± 0.5° LINEAR X = ± 0.5 X.X = ± 0.1 X.XX = ± 0.025		Alexandre Sauve		TITLE:		
Comments: Mini-Project : gearbox		SURFACE FINISH µm 0.6 ✓		Student # 1371644		Gearbox cover		
		DO NOT SCALE DRAWING		Lab Day				
MATERIAL: Plain Carbon Steel				SM By Alexandre Sauve		SIZE B Assignment Number Mini-Project REV A		
FILE NAME: gearbox-cover				TA Initials				
				Thursday, February 13, 2014 11:31:46 PM Thursday, February 6, 2014 11:36:13 AM		SCALE: 3:2 Mass: 41.10 SHEET 4 OF 4		