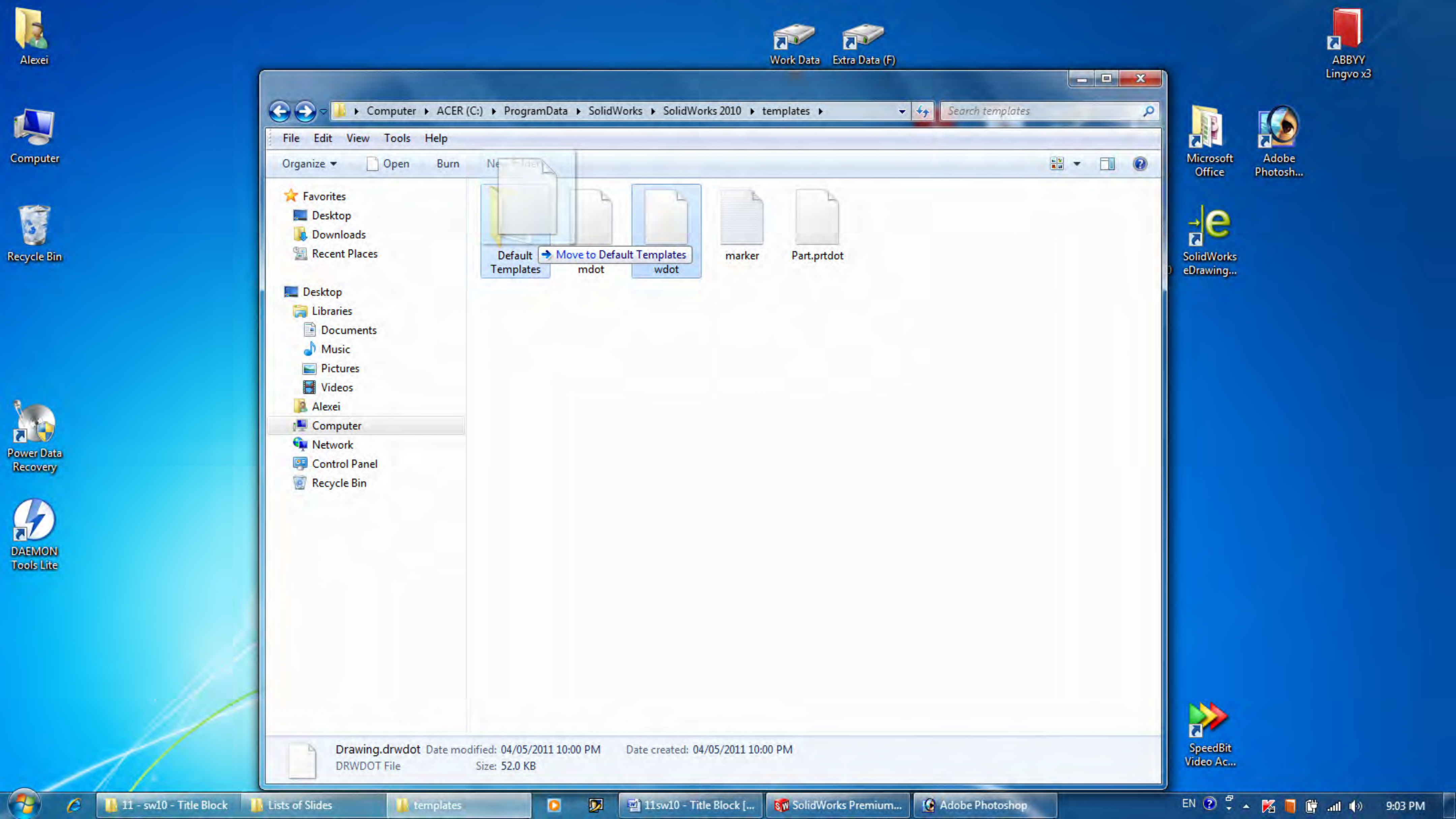
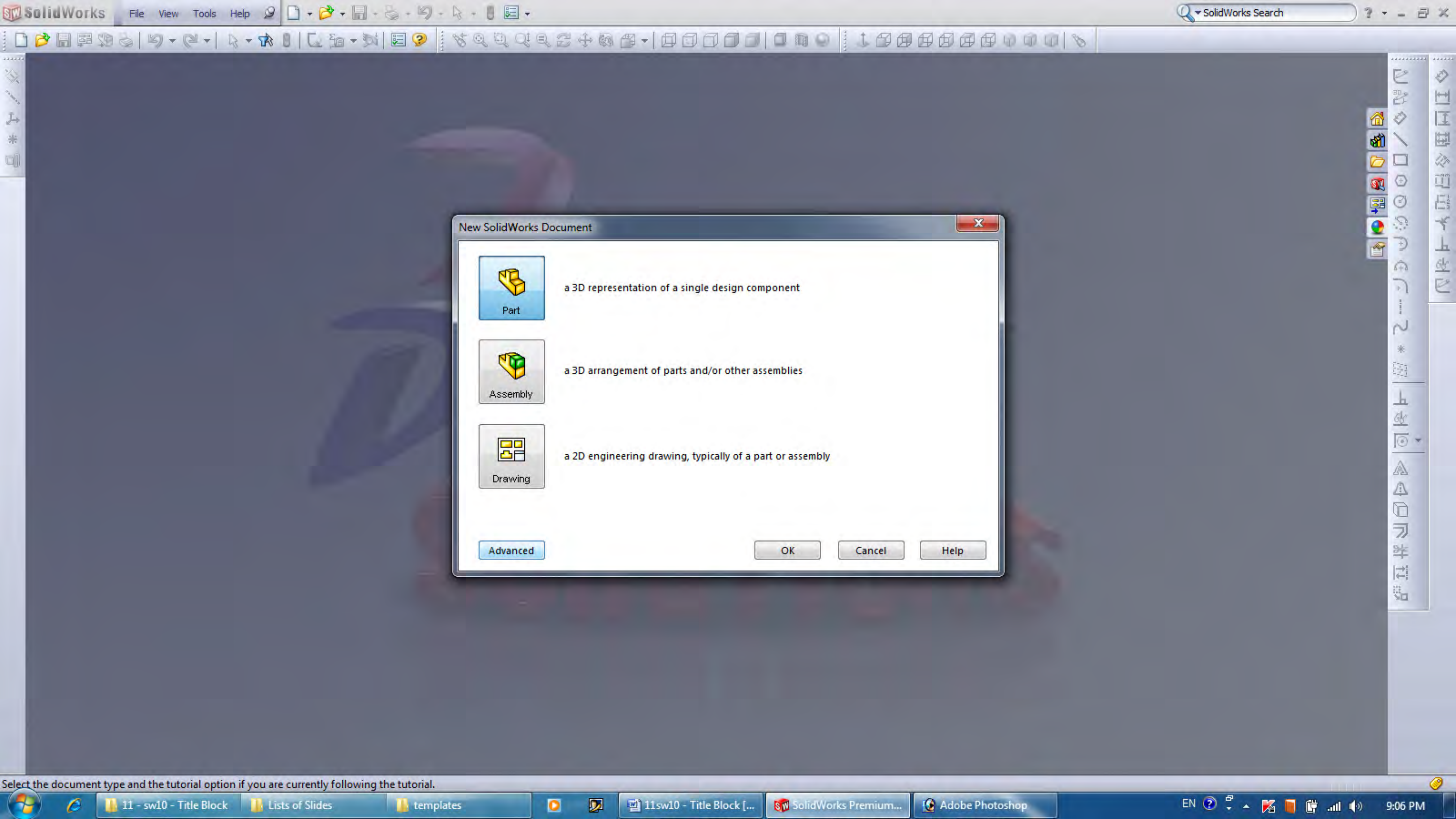






New SolidWorks Document



Part

a 3D representation of a single design component



Assembly

a 3D arrangement of parts and/or other assemblies



Drawing

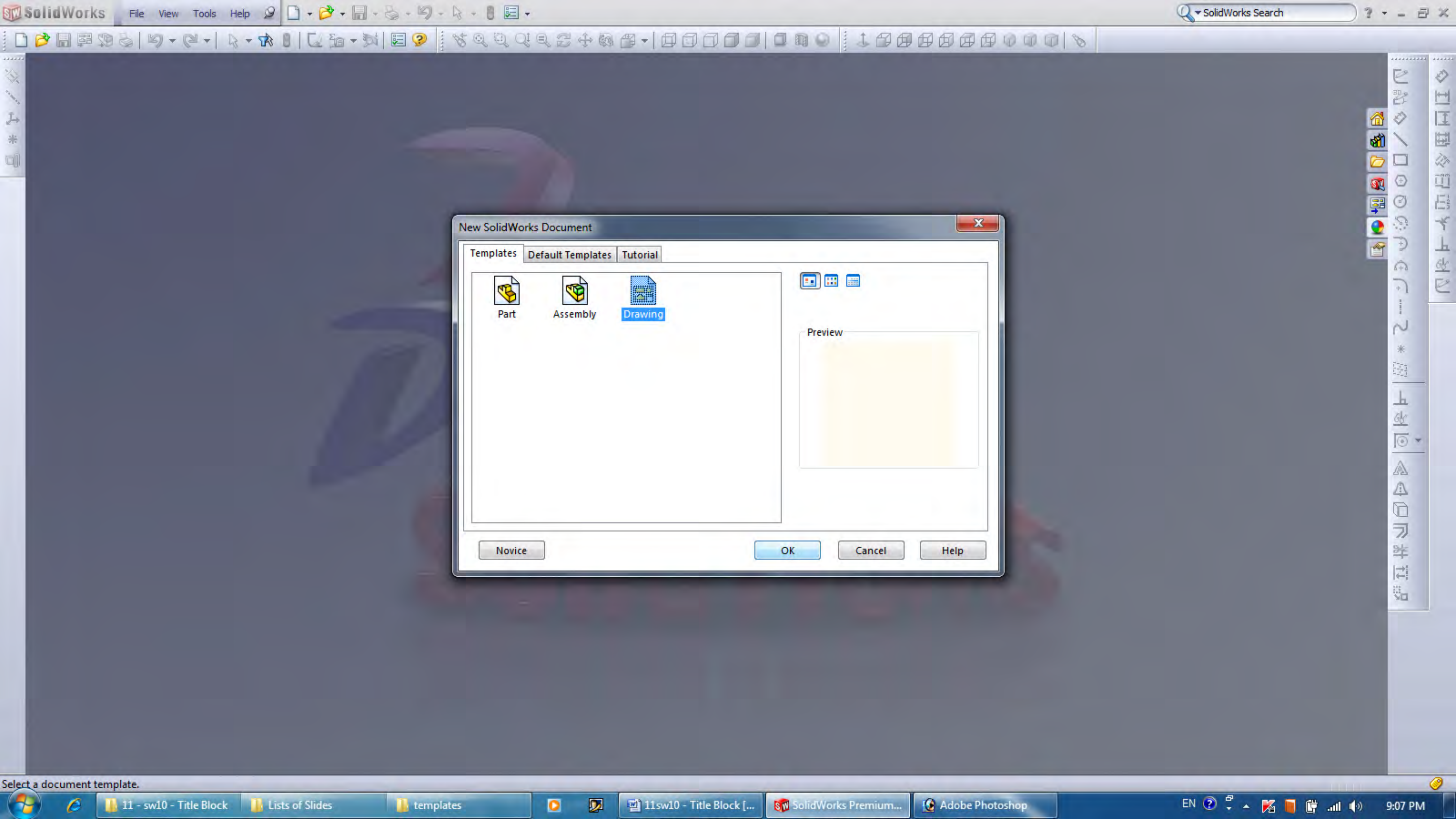
a 2D engineering drawing, typically of a part or assembly

Advanced

OK

Cancel

Help



New SolidWorks Document

Templates

Default Templates

Tutorial



Part



Assembly



Drawing



Preview

Novice

OK

Cancel

Help

Select a document template.

11 - sw10 - Title Block

Lists of Slides

templates

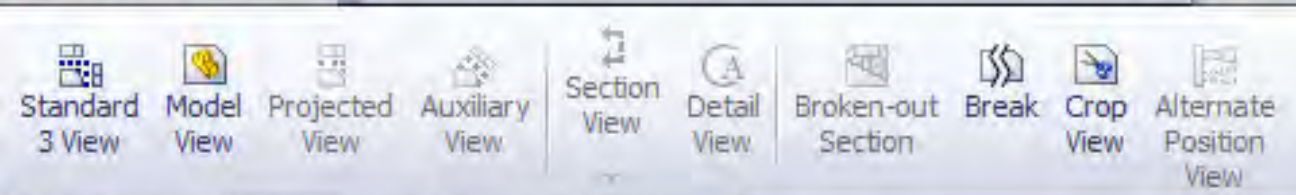
11sw10 - Title Block [...]

SolidWorks Premium...

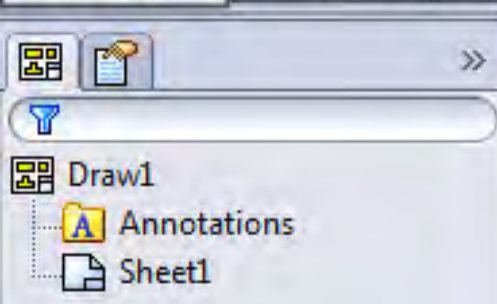
Adobe Photoshop

EN

9:07 PM



View Layout Annotation Sketch Evaluate



Sheet Format/Size

☒ Standard sheet size

☐ Only show standard formats

A0 (ANSI) Landscape
A1 (ANSI) Landscape
A2 (ANSI) Landscape
A3 (ANSI) Landscape
A4 (ANSI) Landscape
A4 (ANSI) Portrait
A1 (ISO)

a4 - landscape.slddrt

Browse...

☒ Display sheet format

☐ Custom sheet size

Width:

Height:

Preview:

Width: 297.00mm
Height: 210.00mm

OK

Cancel

Help

SolidWorks Resources

Getting Started

New Document

Open a Document

Tutorials

What's New

General Information

Community

Customer Portal

User Groups

Discussion Forum

Technical Alerts & News

Available: SolidWorks World 2010
Top Ten list is now open.

Available: Enterprise PDM 2010 SP1 is available for download

Bulletin: SolidWorks Part Revision Management

Bulletin: SolidWorks Performance Benchmark Test

View All

Online Resources

Find Custom Manufacturers

→

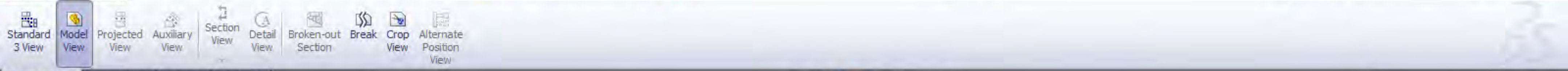
e.g., machining, casting, [Learn More](#)

Partner Solutions

SolidWorks Labs

Tip of the Day

You can cycle through the open documents in SolidWorks by using Ctrl+Tab.



View LayoutAnnotationSketchEvaluate

Model View ?

Message

Select a part or assembly from which to create the view, then click Next.

Part/Assembly to Insert

Open documents:

Options

☒ Start command when creating new drawing

Cosmetic Thread Display

☐ High quality

☐ Draft quality

1	2	3	4	5	6
A					A
B					B
C					C
D					D
1	2				

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:

DEBUR AND BREAKS SHARP EDGES

DO NOT SCALE DRAWING

REVISION

	NAME	SIGNATURE	DATE				TITLE:
DRAWN							
CHK'D							
APP'D							
ARC							
QA							

MATERIAL:

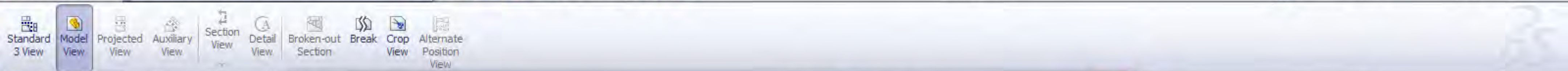
WEIGHT:

DWG NO.

SCALE: 1:1

SHEET 1 OF 1

Draw2A4



View Layout | Annotation | Sketch | Evaluate

Model View ?

Message

Select a part or assembly from which to create the view, then click Next.

Part/Assembly to Insert

Open documents:

Options

☒ Start command when creating new drawing

Cosmetic Thread Display

☐ High quality
☐ Draft quality

Document Properties - Units

System Options | Document Properties

Drafting Standard

- Annotations
- Dimensions
- Centerlines/Center Marks
- DimXpert
- Tables
- View Labels
- Virtual Sharps

Detailing

- Grid/Snap
- Units
- Line Font
- Line Style
- Line Thickness
- Image Quality
- Sheet Metal

Unit system

☐ MKS (meter, kilogram, second)
☐ CGS (centimeter, gram, second)
☐ MMGS (millimeter, gram, second)
☒ IPS (inch, pound, second)
☐ Custom

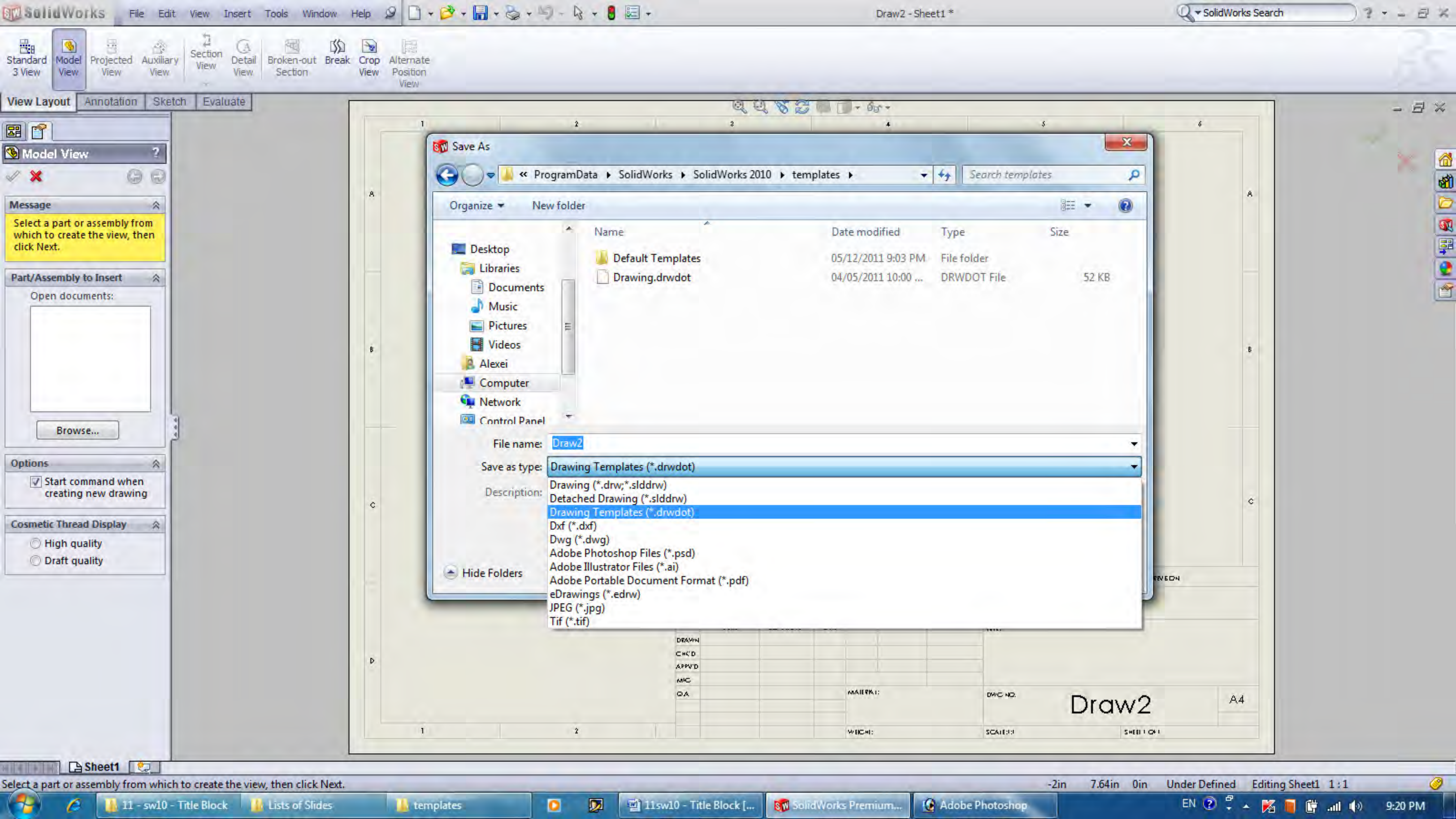
Type	Unit	Decimals	Fractions	More
Basic Units				
Length	inches	.12		...
Dual Dimension Length	inches	.12		...
Angle	degrees	.12		
Mass/Section Properties				
Length	inches	.12		
Mass	pounds			
Per Unit Volume	inches^3			
Motion Units				
Time	second	.12		
Force	pound-force	.12		
Power	watt	.12		
Energy	BTU	.12		

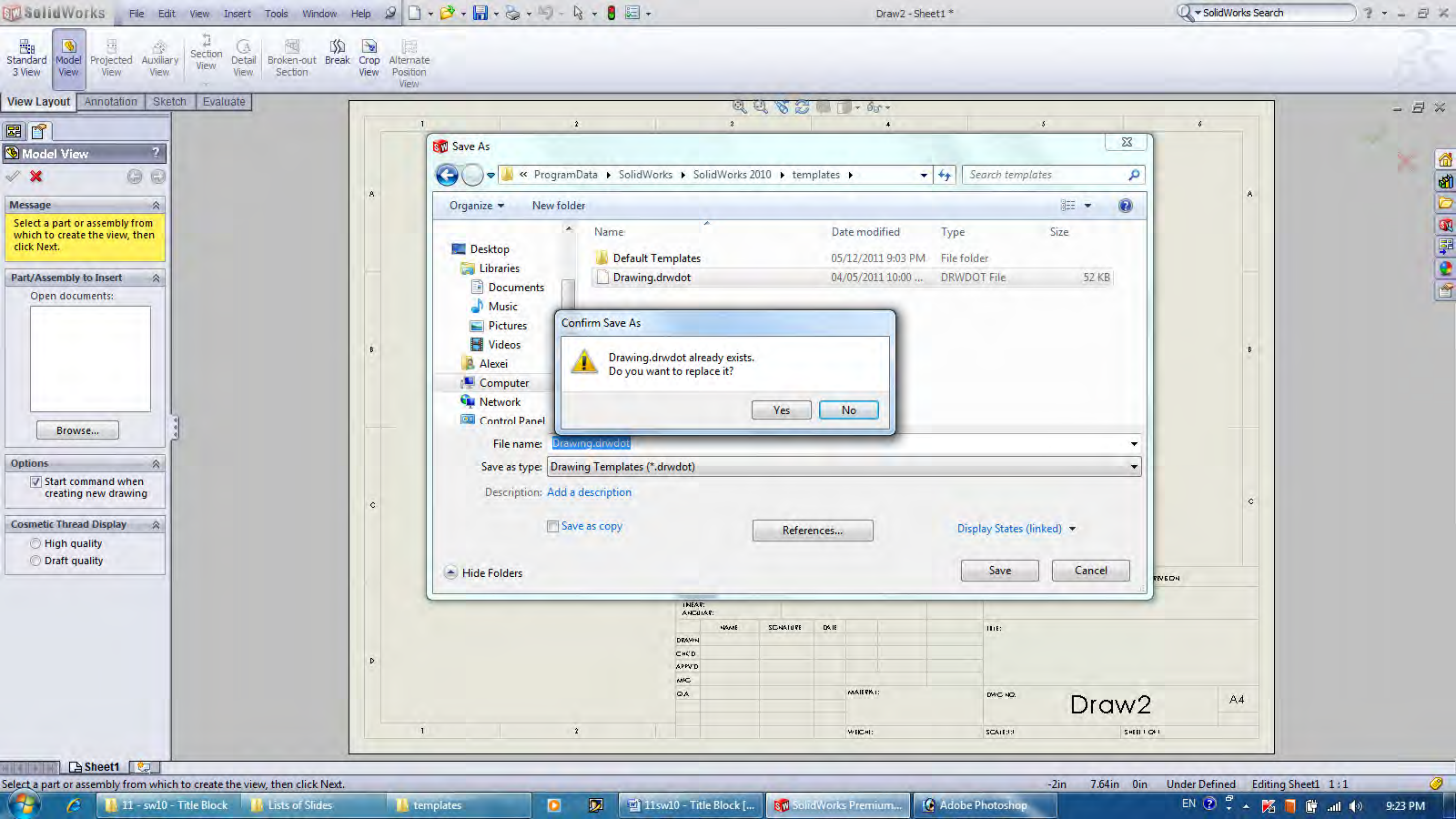
OK Cancel Help

Draw2

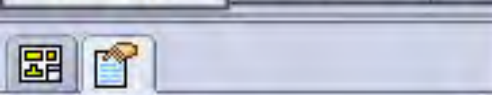
A4

SHEET 1 OF 1

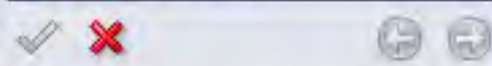




View Layout Annotation Sketch Evaluate



Model View ?

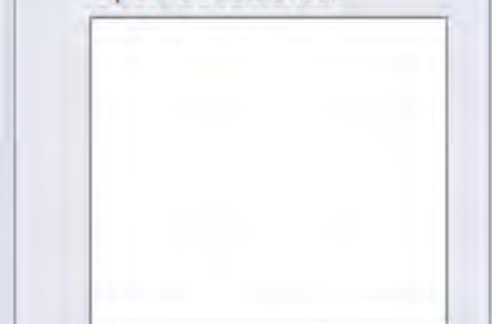


Message

Select a part or assembly from which to create the view, then click Next.

Part/Assembly to Insert

Open documents:



Browse...

Options

☒ Start command when creating new drawing

Cosmetic Thread Display

☐ High quality☐ Draft quality

Draw2

A4

Draw2

A4

Draw2

A4

Draw2

A4

Draw2

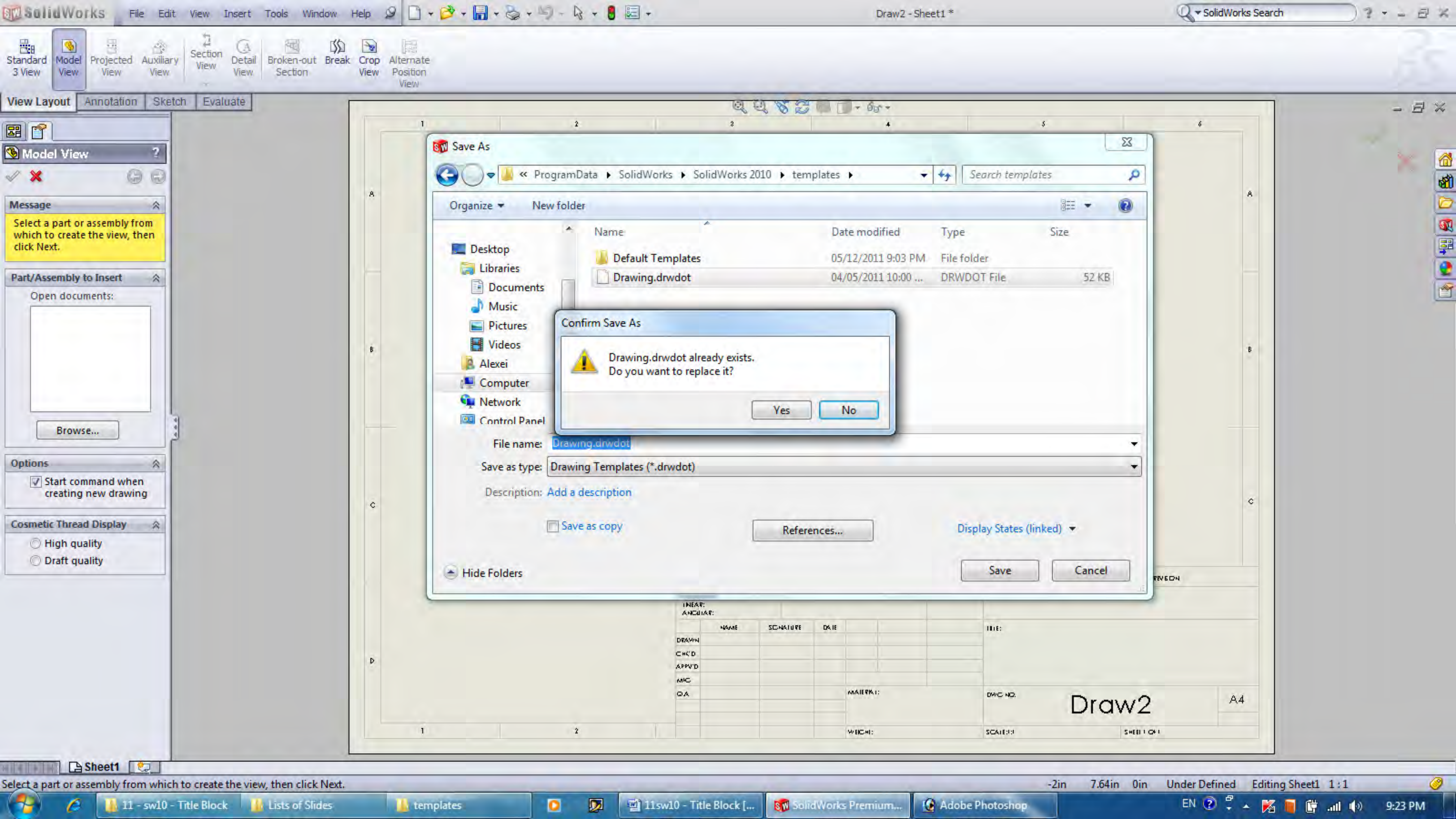
A4

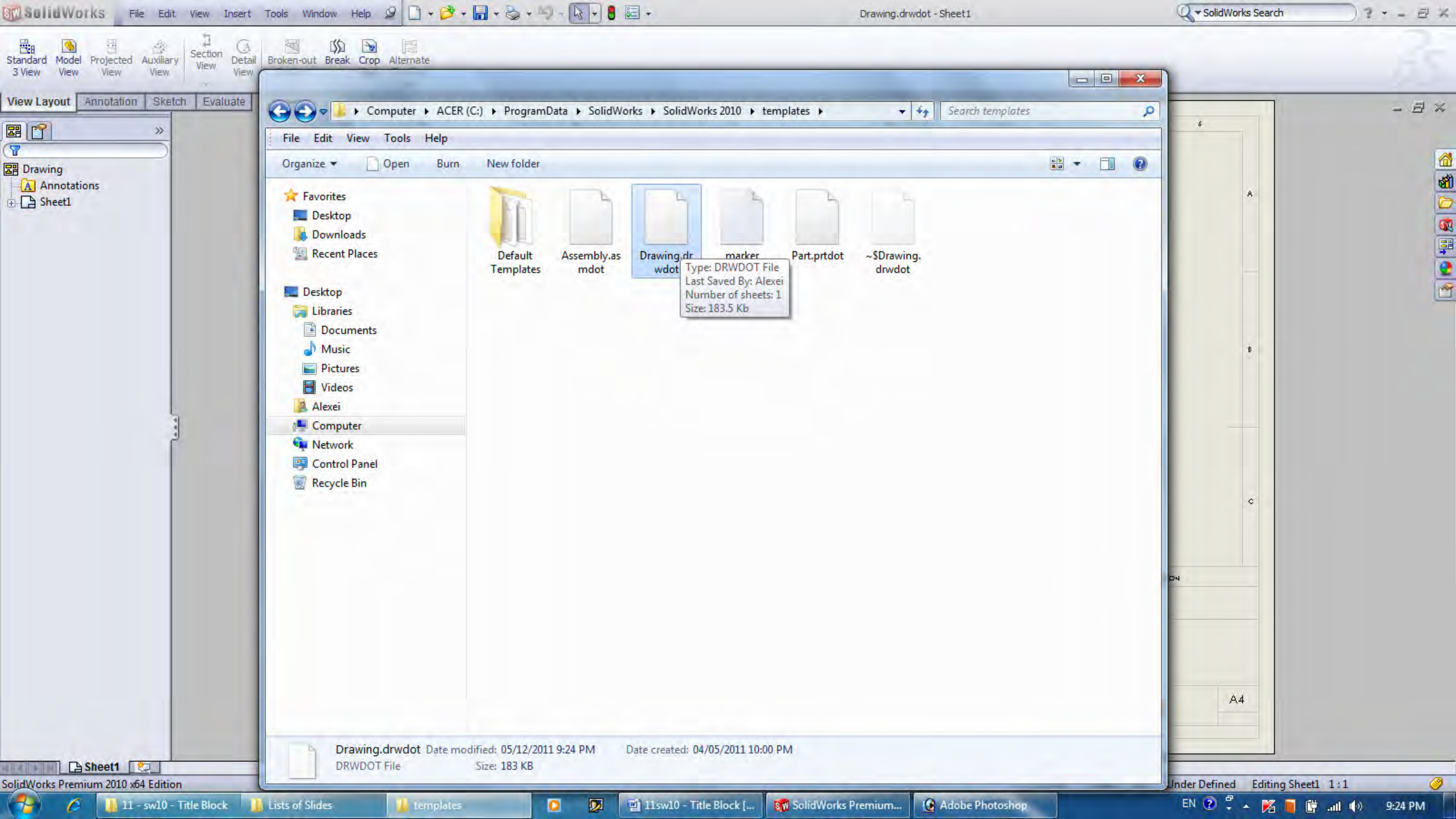
Draw2

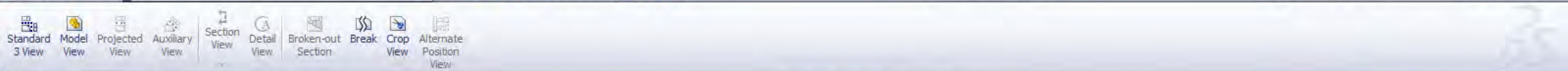
A4

Draw2

A4







View LayoutAnnotationSketchEvaluate

Drawing

Annotations

Sheet1

Sheet (Sheet1)

Display Grid

Edit Sheet Format

Add Sheet...

Copy

Delete

Properties...

Relations/Snaps Options...

Go To...

Zoom to Selection

Hide/Show Tree Items...

123456

A

B

C

D

A

B

C

D

UNLESS OTHERWISE SPECIFIED:		FINISH:		DEBUR AND BREAKS SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
DIMENSIONS ARE IN MILLIMETERS									
SURFACE FINISH:									
TOLERANCES:									
LINEAR:									
ANGULAR:									
	NAME	SIGNATURE	DATE			TITLE:			
DRAWN									
CHK'D									
APP'D									
AKC									
Q.A.				MATERIAL:		DWG NO.		A4	
				WEIGHT:		SCALE: 1:1		SHEET 1 OF 1	



View LayoutAnnotationSketchEvaluate

DrawingAnnotationsSheet1

1	2	3	4	5	6	
A						A
B						B
C						C
D						D
1	2					

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

FINISH:
\$PRPSHEET:{Finish}

DEBUR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

	NAME	SIGNATURE	DATE				DATE:
DRAWN							\$PRPSHEET:{Description}
CHK'D							
APP'D							
AWC							
QA							

MATERIAL:
\$PRPSHEET:{Material}

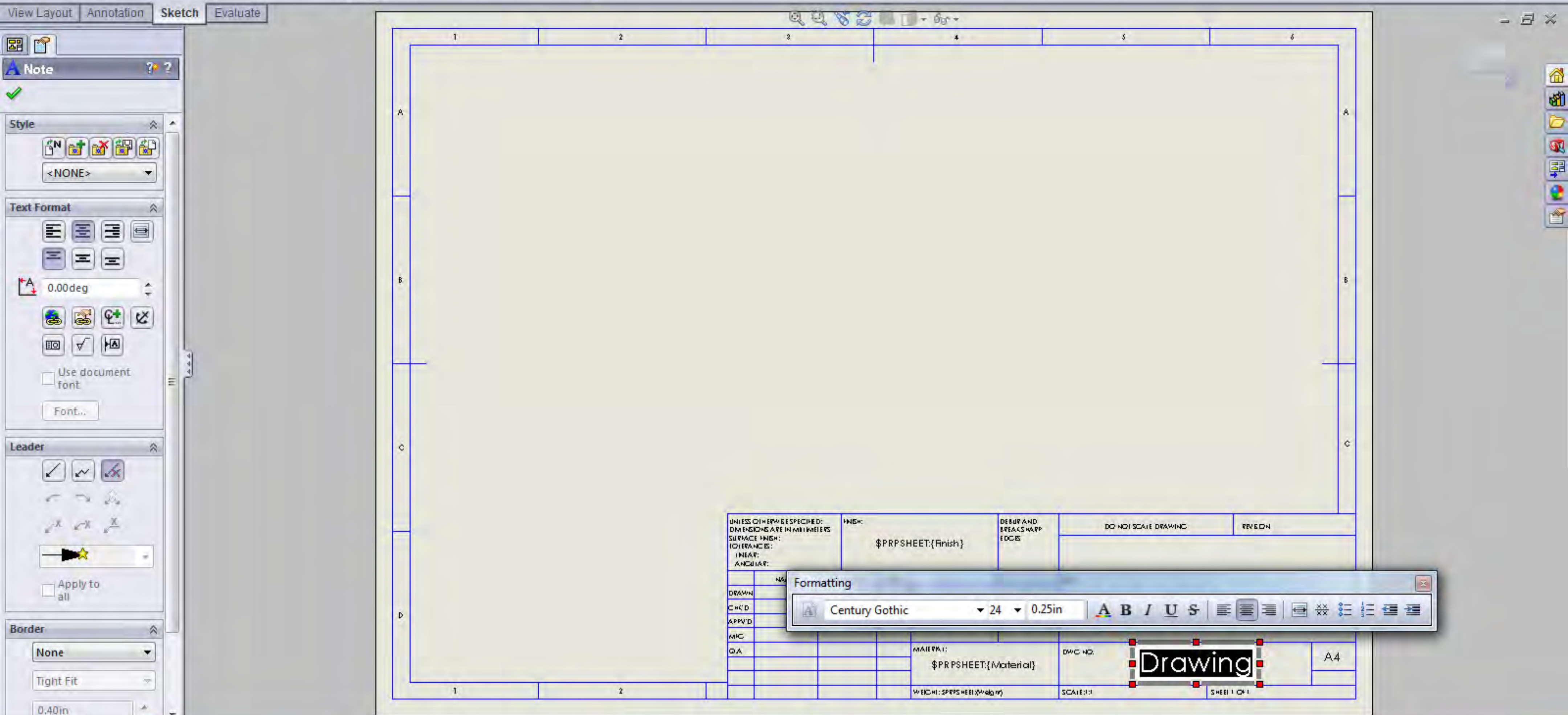
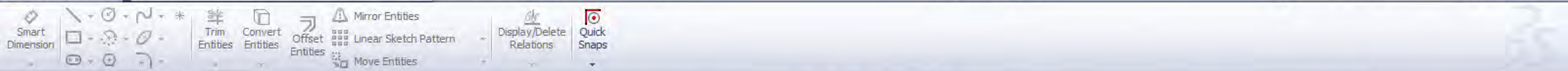
WEIGHT: \$PRPSHEET:{Weight}

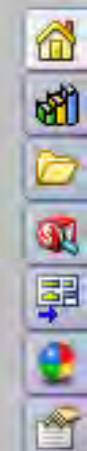
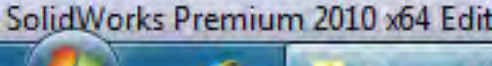
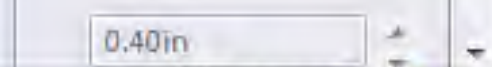
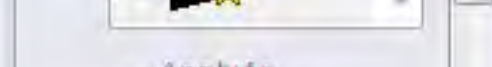
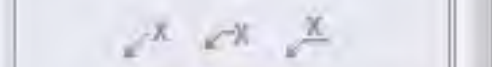
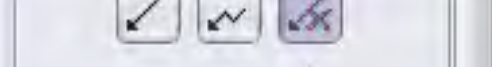
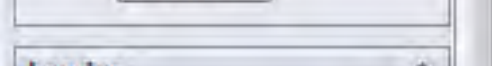
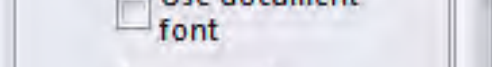
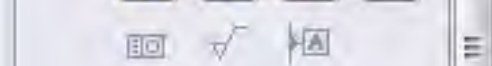
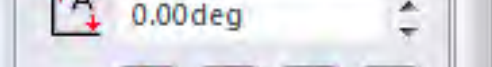
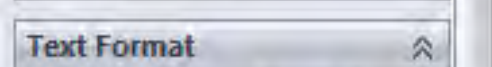
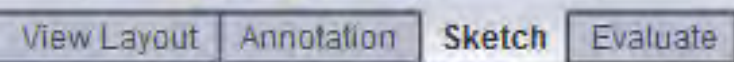
DWG NO.
Drawing

A4

SCALE: 1:1

SHEET 1 OF 1







View LayoutAnnotationSketchEvaluate

DrawingAnnotationsSheet1

123456

A

B

C

D

12

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

	NAME	SIGNATURE	DATE			
DRAWN						
CHK'D						
APP'D						
ARC						
Q.A.						

FINISH:
\$PRPSHEET:{Finish}

DEBUR AND
BREAK SHARP
EDGES

DO NOT SCALE DRAWING

REVISION

DATE:

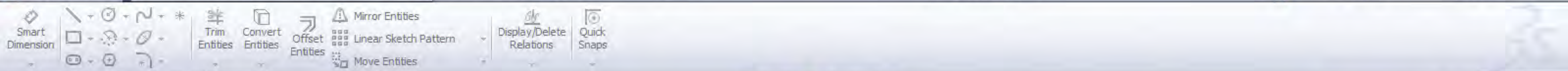
MATERIAL:
\$PRPSHEET:{Material}

DWG NO.

SCALE: 1:1

SHEET 1 OF 1

Note
Adds a note.



View Layout Annotation Sketch Evaluate

Note

0.00deg

Use document font

Font...

Leader

Apply to all

Leader Style

Use document display

Border

None

Tight Fit

0.40in

1 2 3 4 5 6

A B C D

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

	NAME	SIGNATURE	DATE				
DRAWN							
CHK'D							
APP'D							
ARC							
QA							

MATERIAL:
\$PRPSHEET:{Material}

WEIGHT: \$PRPSHEET:{Weight}

FINISH:
\$PRPSHEET:{Finish}

EDGES

McGill University

DATE:

DWG NO.

A4

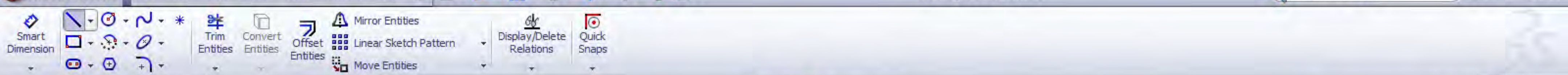
SCALE: 1:1

SHEET 1 OF 1

Formatting

Century Gothic 13 0.14in

A B I U S



View Layout Annotation Sketch Evaluate

Line Properties ?

Message

Existing Relations

Add Relations

Options

Parameters

Additional Parameters

1 2 3 4 5 6

A B C D

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH: \$PRPSHEET:{Finish}		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
						McGill University			
		NAME	SIGNATURE	DATE			TITLE:		
DRAWN									
CHK'D			0.03						
APP'D									
MTC									
Q.A.									
					MATERIAL: \$PRPSHEET:{Material}		DWG NO.		A4
					WEIGHT: \$PRPSHEET:{Weight}		SCALE: 1:1		SHEET 1 OF 1

Smart Dimension

Trim Entities

Convert Entities

Offset Entities

Mirror Entities

Linear Sketch Pattern

Move Entities

Display/Delete Relations

Quick Snaps

View Layout

Annotation

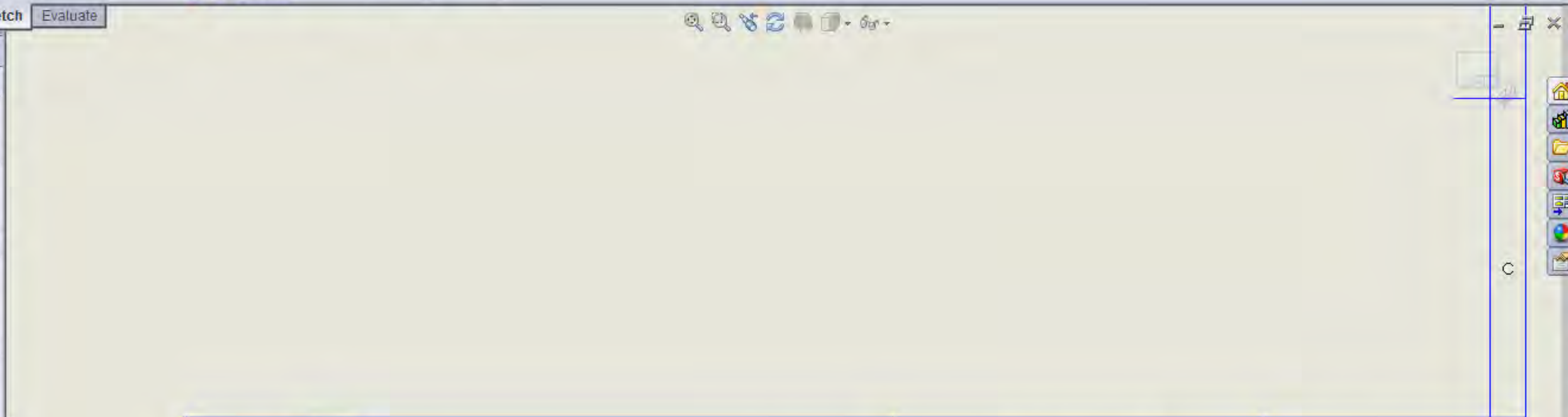
Sketch

Evaluate

Circle

Circle Type

Parameters



Home

Insert

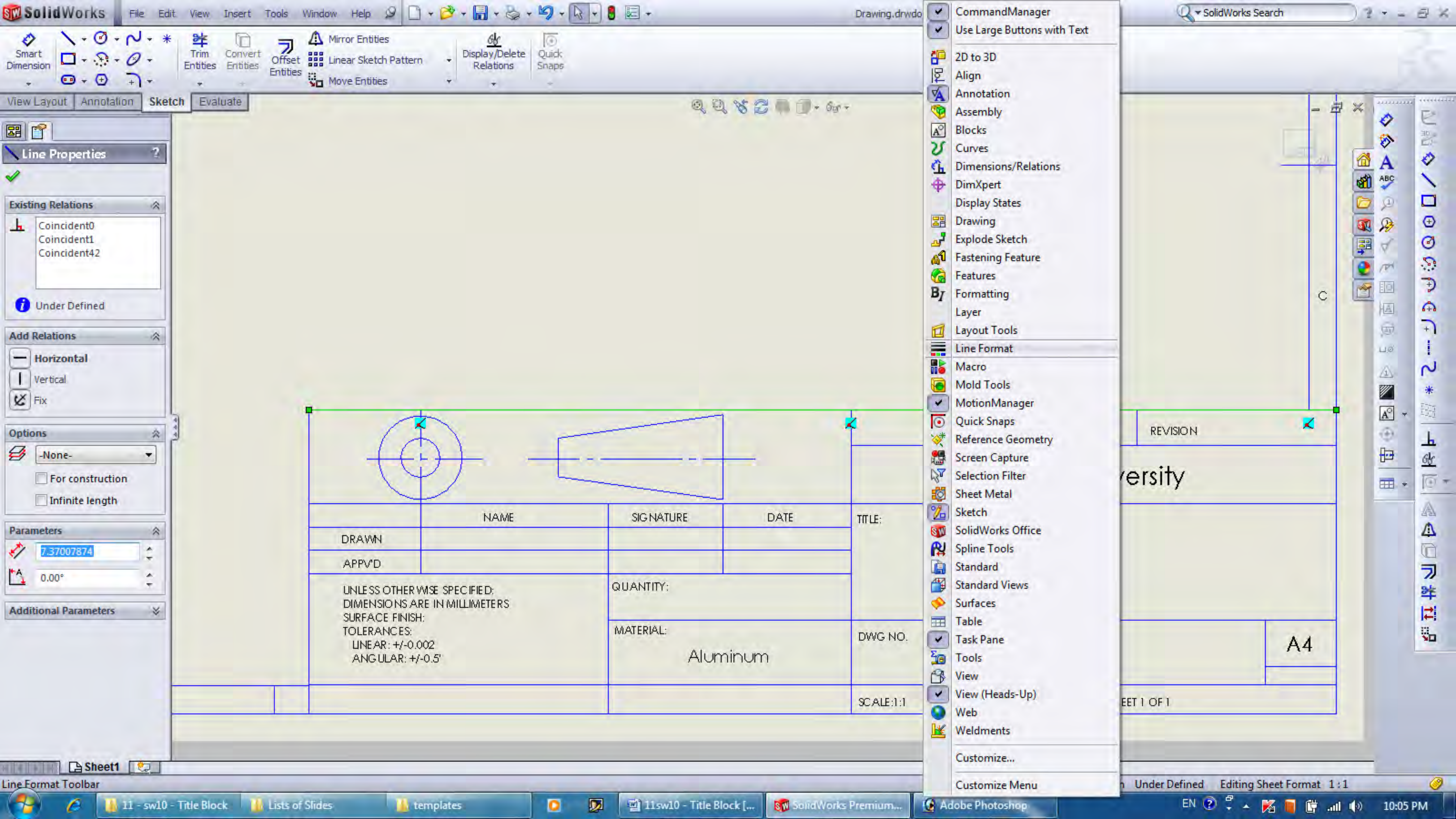
Format

Tools

Window

Help

				DO NOT SCALE DRAWING		REVISION	
McGill University							
		NAME	SIGNATURE	DATE	TITLE:		
DRAWN							
APPV'D							
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: +/-0.002 ANGULAR: +/-0.5°			QUANTITY:		DWG NO.		
			MATERIAL: Aluminum				
				SCALE:1:1		SHEET 1 OF 1	



Smart Dimen

Line Color

Changes the color of edges, sketch entities, and many annotation types.

Name	Appearance
Phantom	---
Chain	---

Drawing

Annotations

Sheet1

DO NOT SCALE DRAWING

REVISION

McGill University

	NAME	SIGNATURE	DATE	TITLE:
DRAWN				
APPV'D				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: +/-0.002 ANGULAR: +/-0.5°		QUANTITY:		
		MATERIAL: Aluminum		DWG NO.
				SCALE:1:1
				SHEET 1 OF 1

Home

ABC

Insert

Tools

Window

Help

3D View

2D View

Isolate

Hide

Unhide

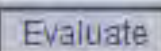
Lock

Unlock

Print

Close

Exit



Existing Relations

Vertical5
Coincident39

 Under Defined

Add Relations

 Horizontal

☒ Vertical

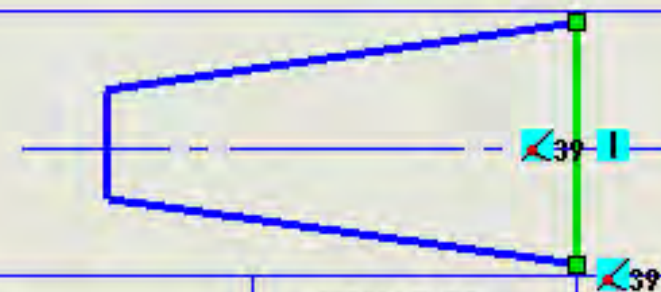
Options

 -None-☐ For construction☐ Infinite length

Parameters

 0.60847512

Additional Parameters



DO NOT SCALE DRAWING

REVISION

McGill University

NAME

SIGNATURE

DATE _____

TITLE:

DRAWN

APPV'D

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:

TOLERANCES:
LINEAR: ± 0.002
ANGULAR: $\pm 0.5^\circ$

QUANTITY:

MATERIAL:

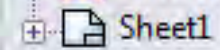
Aluminum

DWG NO.

A4

SCALE:1:1

SHEET 1 OF 1



				DO NOT SCALE DRAWING		REVISION	
				McGill University			
NAME		SIGNATURE		DATE		TITLE:	
DRAWN							
APPV'D							
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ± 0.002 ANGULAR: $\pm 0.5^\circ$		QUANTITY:		DWG NO.		A4	
		MATERIAL: Aluminum					
				SCALE: 1:1		SHEET 1 OF 1	



View Layout Annotation Sketch Evaluate

Note

Style

Text Format

Leader

Border

			DO NOT SCALE DRAWING	REVISION
NAME		SIGNATURE	DATE	TITLE:
DESIGNED: DIMENSIONS	QUANTITY:			DWG NO.
	MATERIAL: Aluminum			
			SCALE: 1:1	SHEET 1 OF 1



View Layout Annotation Sketch Evaluate

Note

Text Format

Leader

Leader Style

Border

DO NOT SCALE DRAWING

REVISION

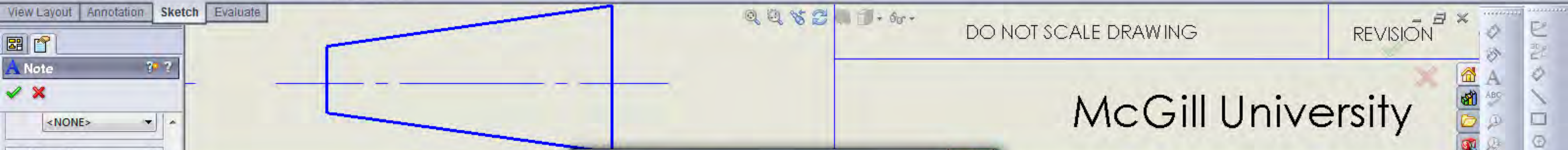
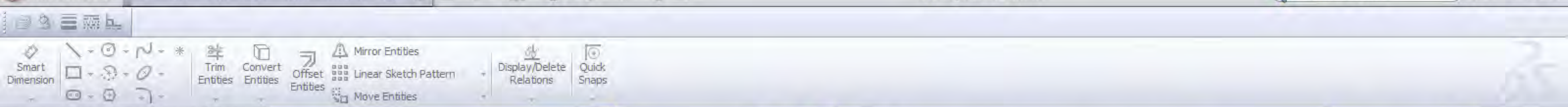
McGill University

NAME	SIGNATURE	DATE	TITLE:
DESIGNED BY:	QUANTITY:		
METERS	MATERIAL:		
	Aluminum		
		DWG NO.	
		SCALE:	
			SHEET 1 OF 1

Formatting

Century Gothic 13 0.14in

A B I U S



NAME SIGNATURE

QUANTITY:

MATERIAL:

Link to Property

Use custom properties from

- ☒ Current document
- ☐ Model in view to which the annotation is attached
- ☐ Model in view specified in sheet properties
- ☐ Component to which the annotation is attached

File Properties

Cancel

SW-Author(Author)
SW-Comments(Comments)
SW-Created Date(Created Date)
SW-Current Sheet(Current Sheet)
SW-File Name(File Name)
SW-Folder Name(Folder Name)
SW-Keywords(Keywords)
SW-Last Saved By(Last Saved By)
SW-Last Saved Date(Last Saved Date)
SW-Long Date(Long Date)
SW-Sheet Format Size(Sheet Format Size)
SW-Sheet Name(Sheet Name)
SW-Sheet Scale(Sheet Scale)
SW-Short Date(Short Date)
SW-Subject(Subject)
SW-Template Size(Template Size)
SW-Title(Title)
SW-Total Sheets(Total Sheets)
SW-View Name(View Name)
SW-View Scale(View Scale)

Scale: SHEET 1 OF 1

Text Format: 0.00deg, Use document font, Font...

Leader: Apply to all

Leader Style: Use document display

Border: Sheet1



Note

OK <NONE>

Text Format

0.00deg

Use document font

Font...

Leader

Apply to all

Leader Style

Use document display

Border

NAME	SIGNATURE	DATE
DESIGNED: DIMENSIONS	QUANTITY:	
	MATERIAL: Aluminum	

DO NOT SCALE DRAWING

REVISION

McGill University

TITLE:

DWG NO.

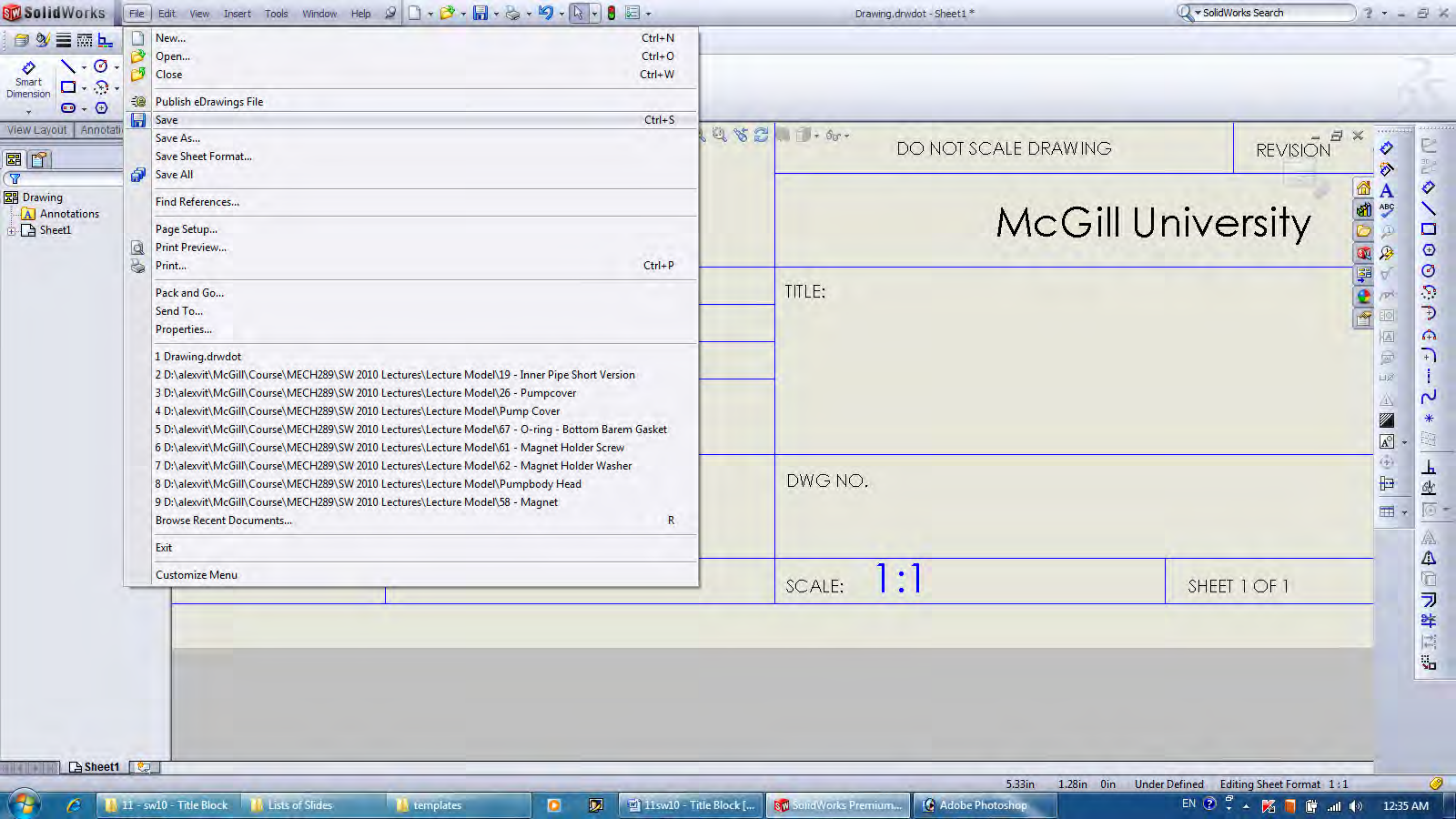
SCALE: 1:1

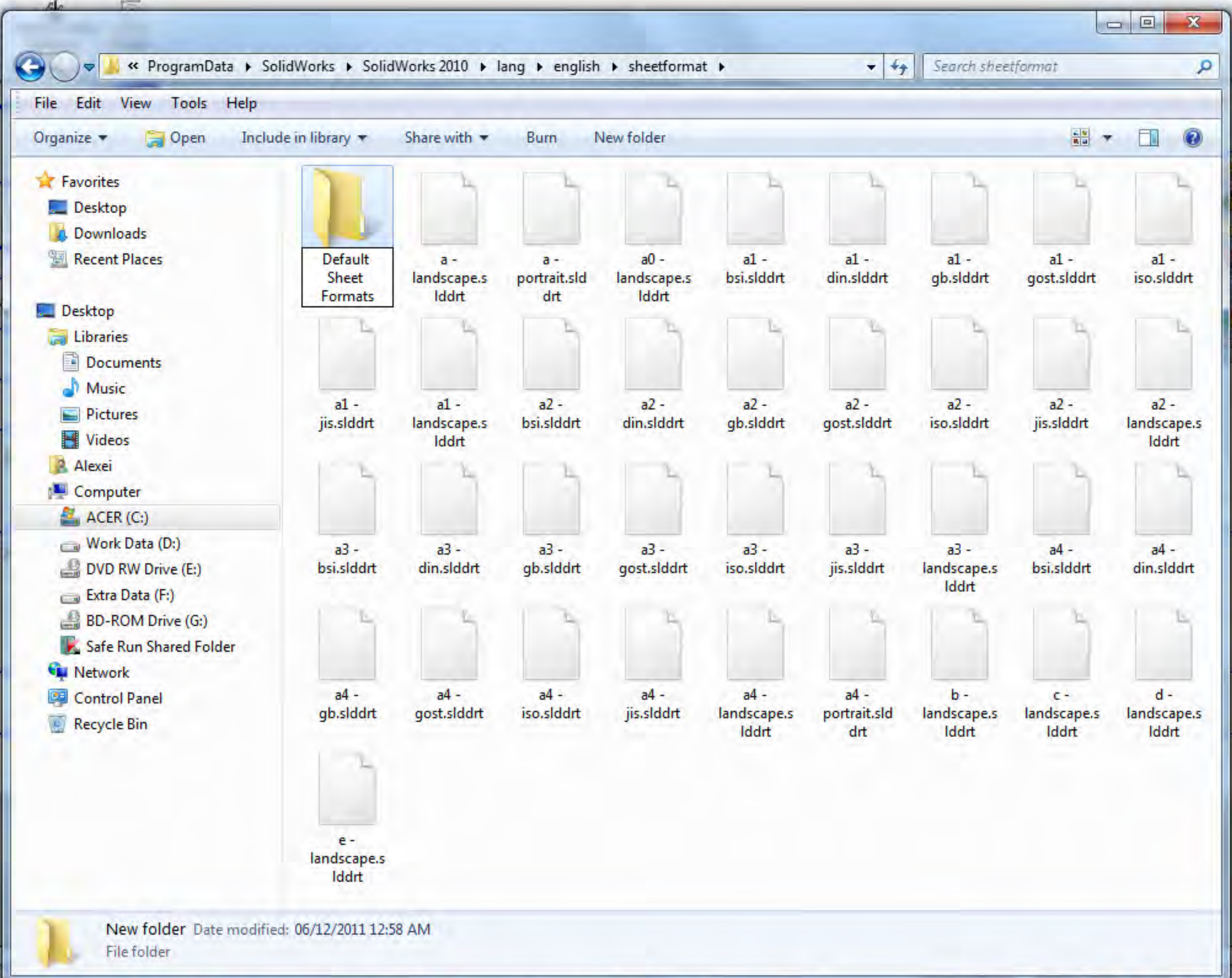
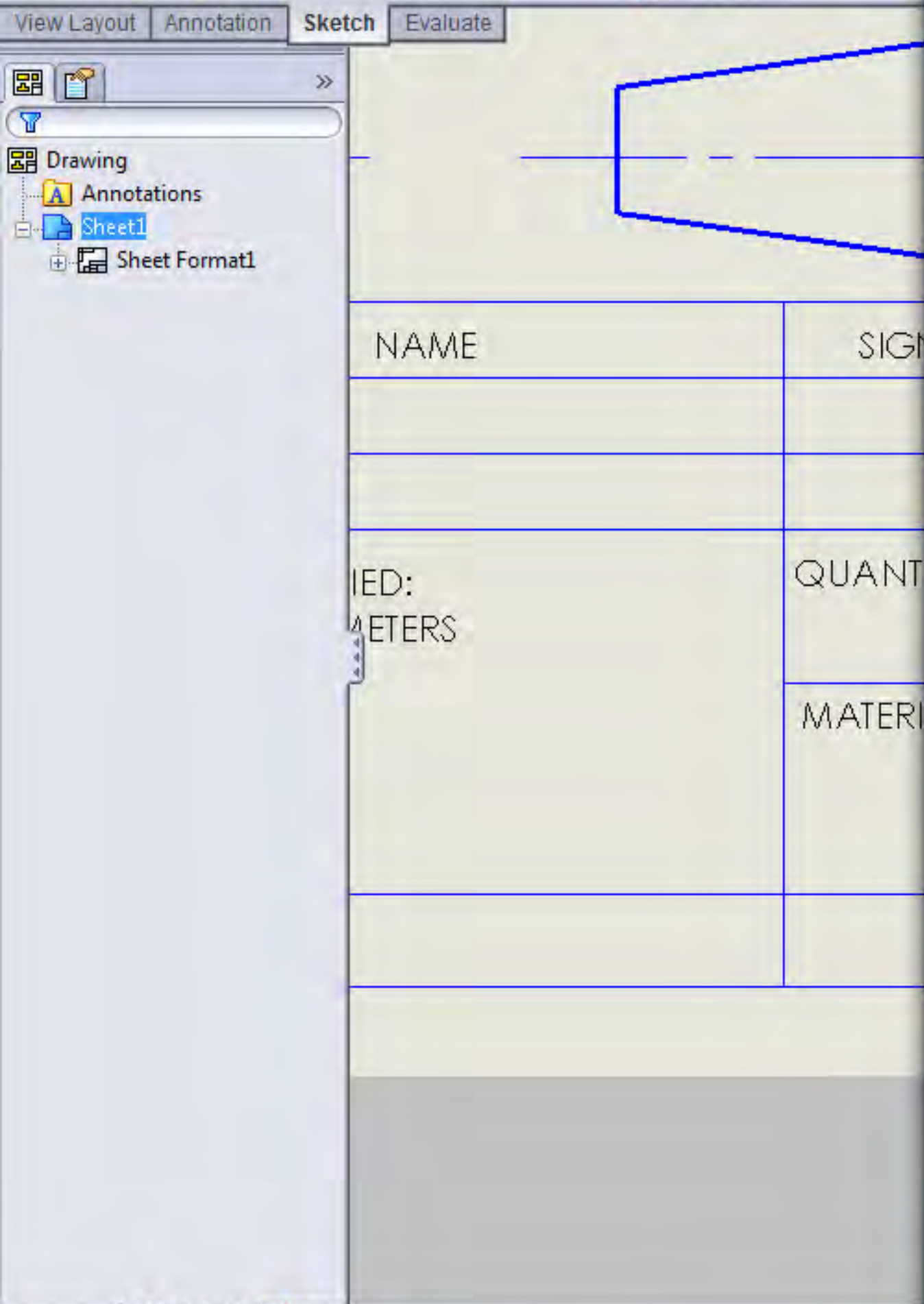
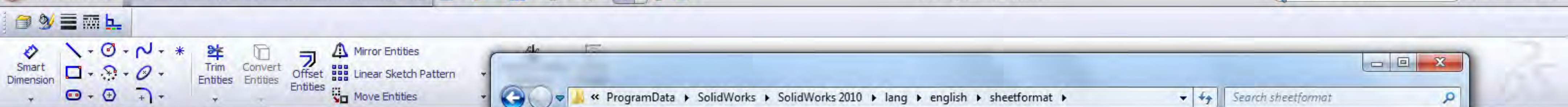
SHEET 1 OF 1

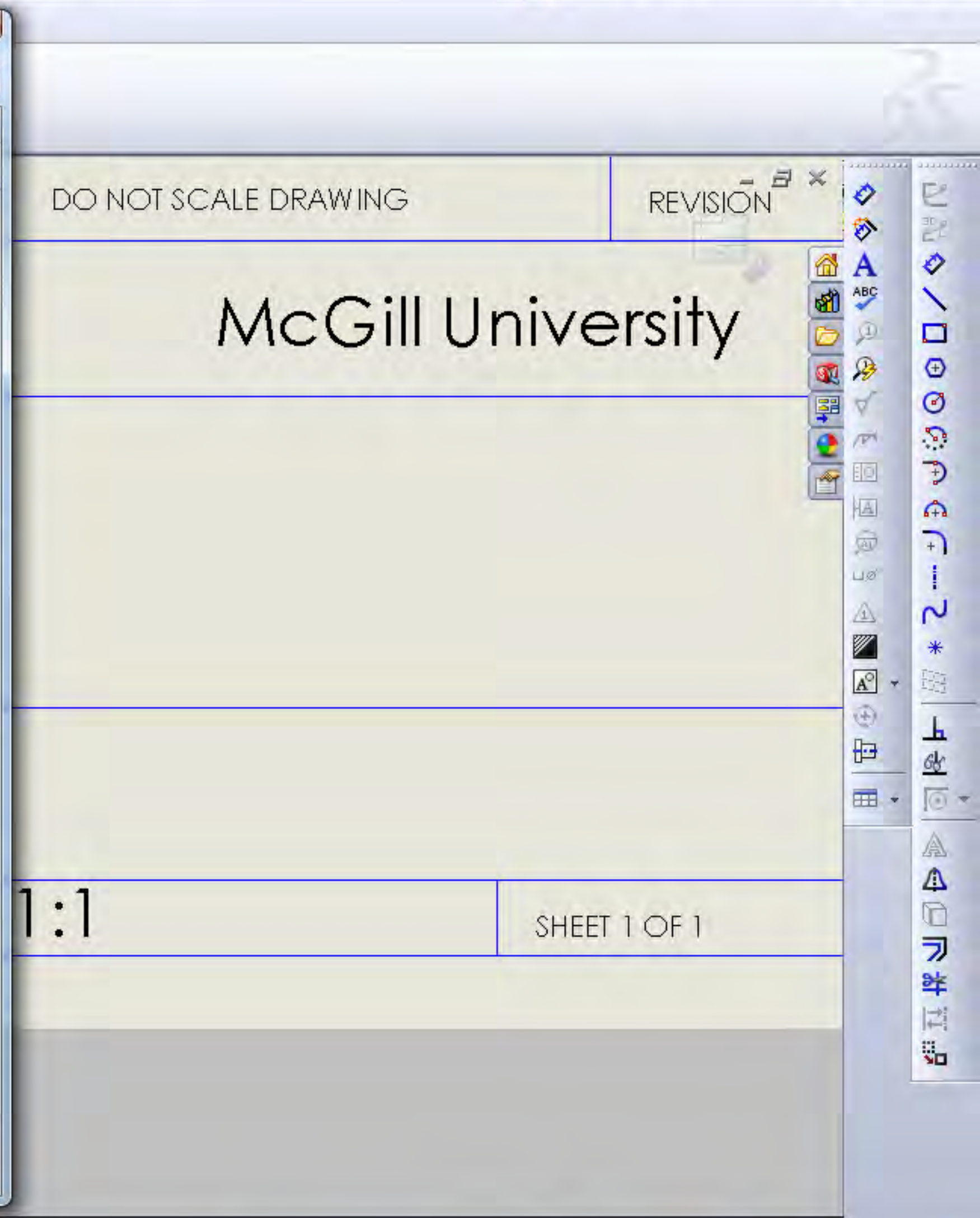
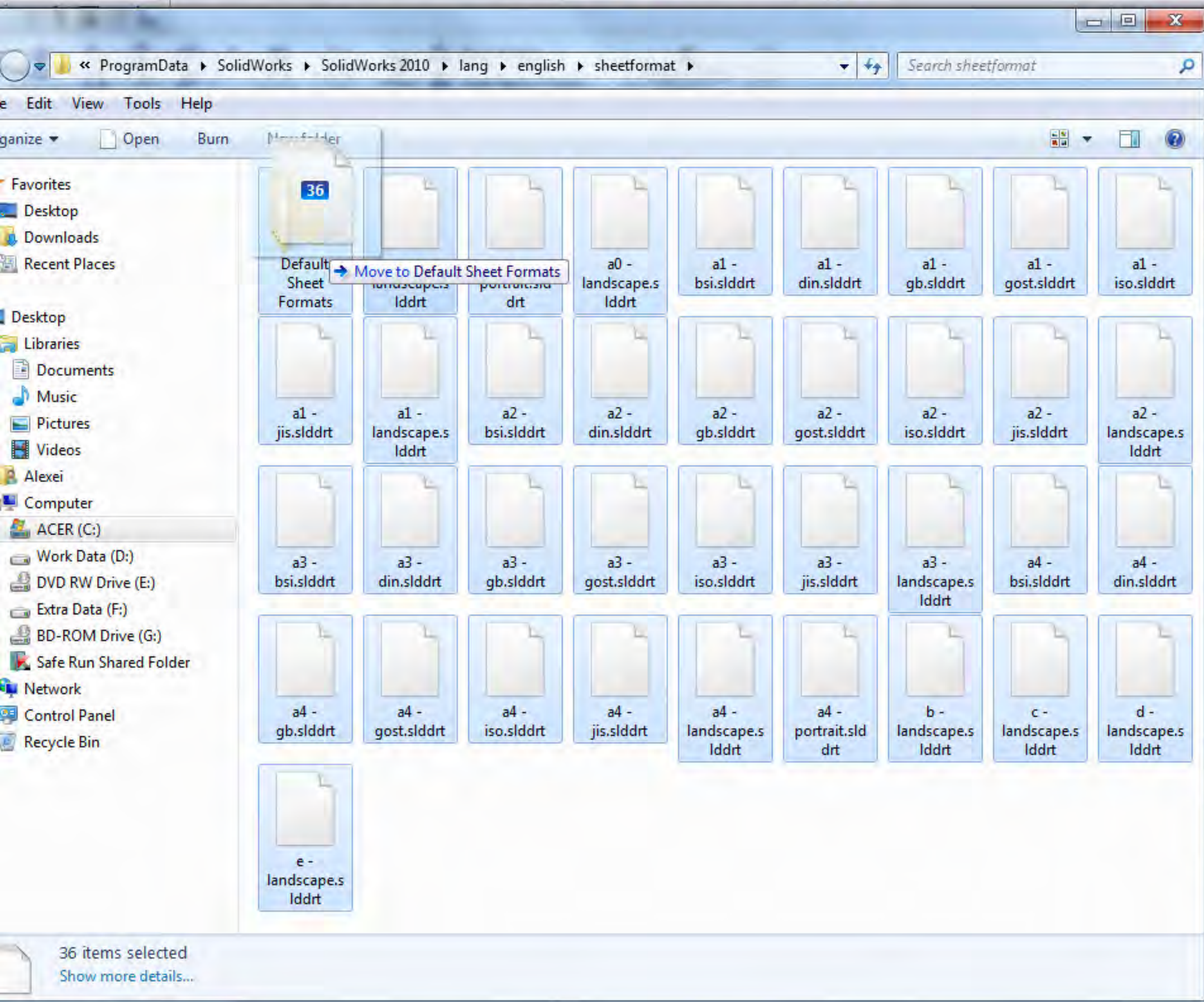
Formatting

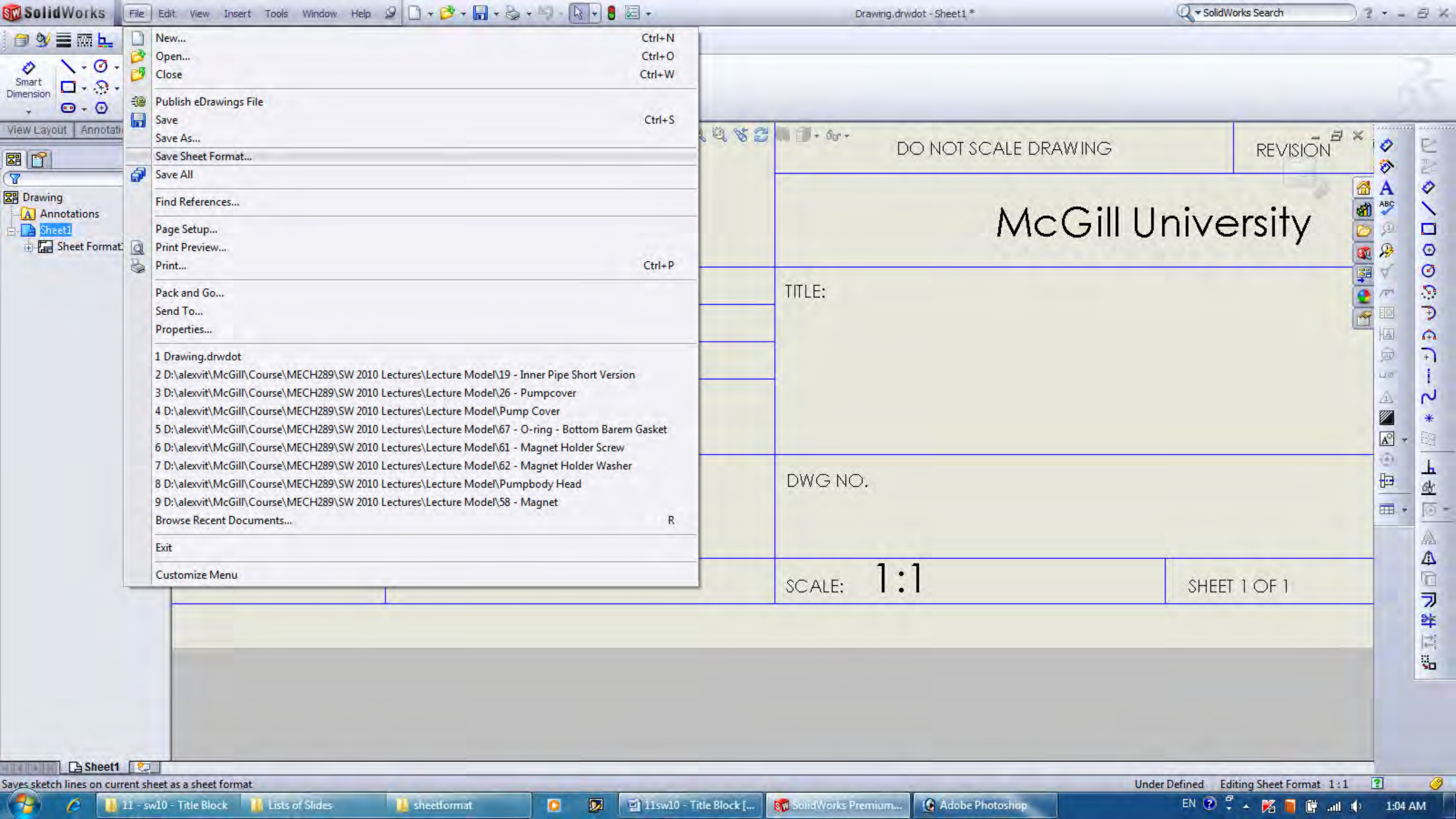
Century Gothic 13 0.14in

A B I U S









Smart Dimension

View Layout Annotations

Drawing Annotations Sheet1 Sheet Format

New... Ctrl+N
Open... Ctrl+O
Close Ctrl+W
Publish eDrawings File
Save Ctrl+S
Save As...
Save Sheet Format...
Save All
Find References...
Page Setup...
Print Preview...
Print... Ctrl+P
Pack and Go...
Send To...
Properties...
1 Drawing.drwdot
2 D:\alexvit\McGill\Course\MECH289\SW 2010 Lectures\Lecture Model\19 - Inner Pipe Short Version
3 D:\alexvit\McGill\Course\MECH289\SW 2010 Lectures\Lecture Model\26 - Pumpcover
4 D:\alexvit\McGill\Course\MECH289\SW 2010 Lectures\Lecture Model\Pump Cover
5 D:\alexvit\McGill\Course\MECH289\SW 2010 Lectures\Lecture Model\67 - O-ring - Bottom Barem Gasket
6 D:\alexvit\McGill\Course\MECH289\SW 2010 Lectures\Lecture Model\61 - Magnet Holder Screw
7 D:\alexvit\McGill\Course\MECH289\SW 2010 Lectures\Lecture Model\62 - Magnet Holder Washer
8 D:\alexvit\McGill\Course\MECH289\SW 2010 Lectures\Lecture Model\Pumpbody Head
9 D:\alexvit\McGill\Course\MECH289\SW 2010 Lectures\Lecture Model\58 - Magnet
Browse Recent Documents... R
Exit
Customize Menu

DO NOT SCALE DRAWING		REVISION
McGill University		
TITLE:		
DWG NO.		
SCALE: 1:1	SHEET 1 OF 1	

Right sidebar containing various tool icons for drawing and editing.



View Layout Annotation Sketch Evaluate

DO NOT SCALE DRAWING

REVISION

McGill University

NAME SIGNATURE

QUANTITIES

MATERIALS

SHEET 1 OF 1

Save Sheet Format

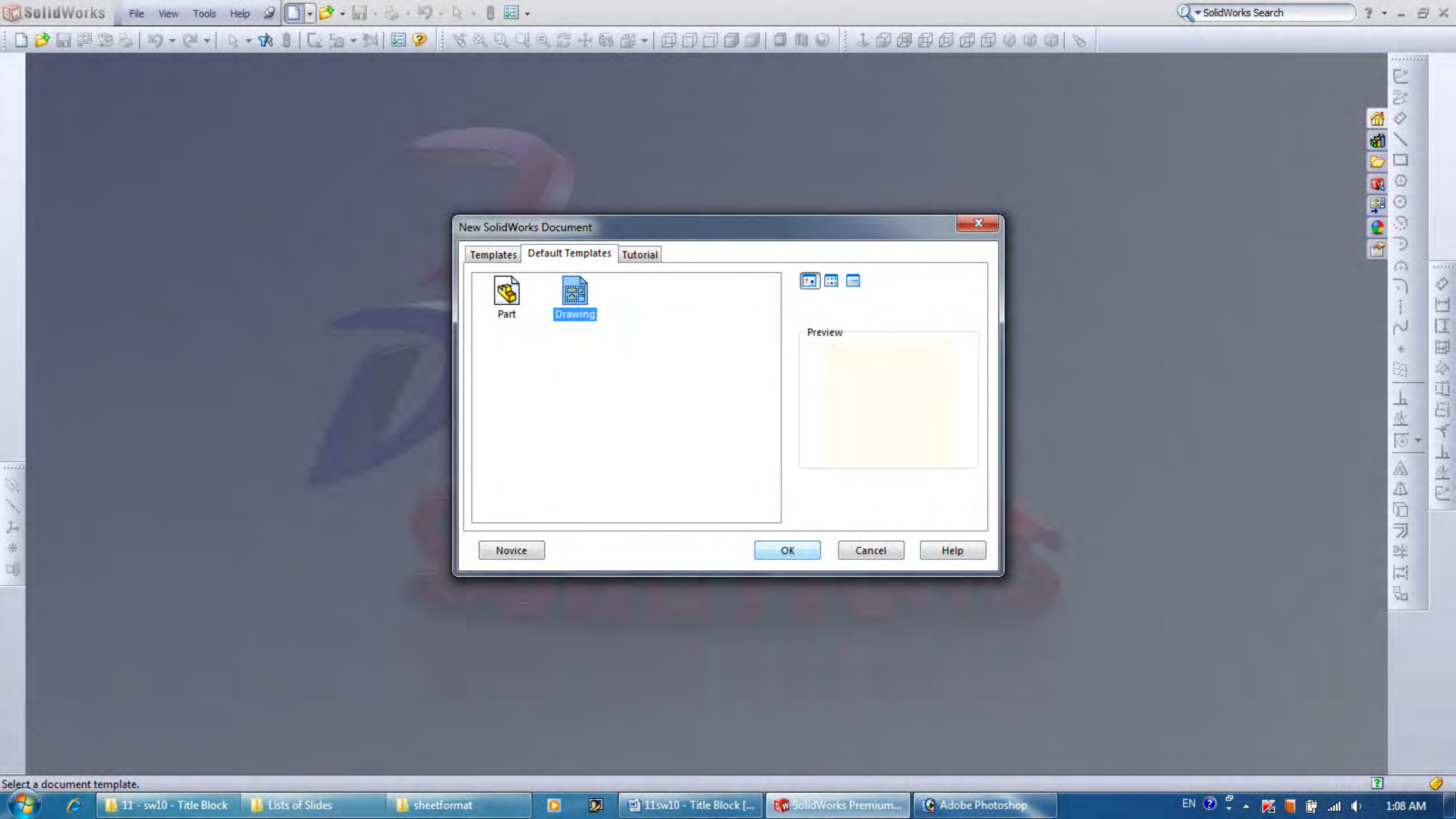
Save in: sheetformat

Name	Date modified	Type
a3 - gost.sldprt	25/02/2009 5:27 PM	SLDDR
a3 - iso.sldprt	25/02/2009 5:27 PM	SLDDR
a3 - jis.sldprt	25/02/2009 5:27 PM	SLDDR
a3 - landscape.sldprt	26/02/2009 8:11 AM	SLDDR
a4 - bsi.sldprt	25/02/2009 5:27 PM	SLDDR
a4 - din.sldprt	25/02/2009 5:27 PM	SLDDR
a4 - gb.sldprt	25/02/2009 5:27 PM	SLDDR
a4 - gost.sldprt	25/02/2009 5:27 PM	SLDDR
a4 - iso.sldprt	25/02/2009 5:27 PM	SLDDR
a4 - jis.sldprt	25/02/2009 5:27 PM	SLDDR
a4 - landscape.sldprt	26/02/2009 8:11 AM	SLDDR
a4 - portrait.sldprt	26/02/2009 8:11 AM	SLDDR
b - landscape.sldprt	26/02/2009 8:11 AM	SLDDR

File name: a4 - landscape - mcgill

Save as type: Sheet Formats (*.sldprt)

Save Cancel



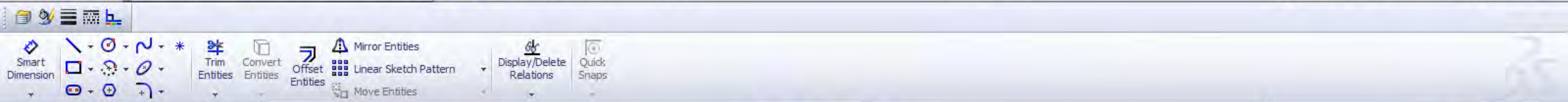
New SolidWorks Document

Templates Default Templates Tutorial

Part Drawing

Preview

Novice OK Cancel Help



Sheet Format/Size

☒ Standard sheet size

☐ Only show standard formats

A4 (GOST)
A1 (GB)
A2 (GB)
A3 (GB)
A4 (GB)
a4 - landscape - mcgill

a4 - landscape - mcgill Browse...

☒ Display sheet format

☐ Custom sheet size

Width: Height:

Preview:

Width: 297.00mm
Height: 210.00mm

OK Cancel Help



View LayoutAnnotationSketchEvaluate

Model View ?

Message

Select a part or assembly from which to create the view, then click Next.

Part/Assembly to Insert

Open documents:

Browse...

Options

☒ Start command when creating new drawing

Cosmetic Thread Display

☐ High quality

☐ Draft quality

123456

A

B

C

D

DRAWN	PAINT	SIGNATURE	DATE	REF
APPROV				

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH
TOLERANCES
LINEAR: 0.005
ANGULAR: 0.5°

QUANTITY:
MATERIAL:
Aluminum

DO NOT SCALE DRAWING
DIVISION
McGill University

DWG NO
A4

SCALE: 1:1

SHEET 1 OF 1

12