

A low-angle, upward-looking photograph of a modern skyscraper with a glass facade. The building's structure is composed of a grid of dark metal beams and large glass panels that reflect the sky and clouds. A large, bright yellow circle is superimposed over the upper right portion of the image, containing the title text.

Drafting Portfolio

Aiden Minard
May 2018

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Aiden Minard

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WORK EXPERIENCE

Child Sitter
Minard - 2014 to Present

Lawn Care
Minard - 2010 to Present

Construction
David E. Glenn Construction - June
2017 to August 2017

EDUCATION

North Cobb High School Class of 2020

SKILLS

Construction (1 year), Microsoft Office
programs (7 years), CAD (less than
one year), Power tools (7 years)

AWARDS

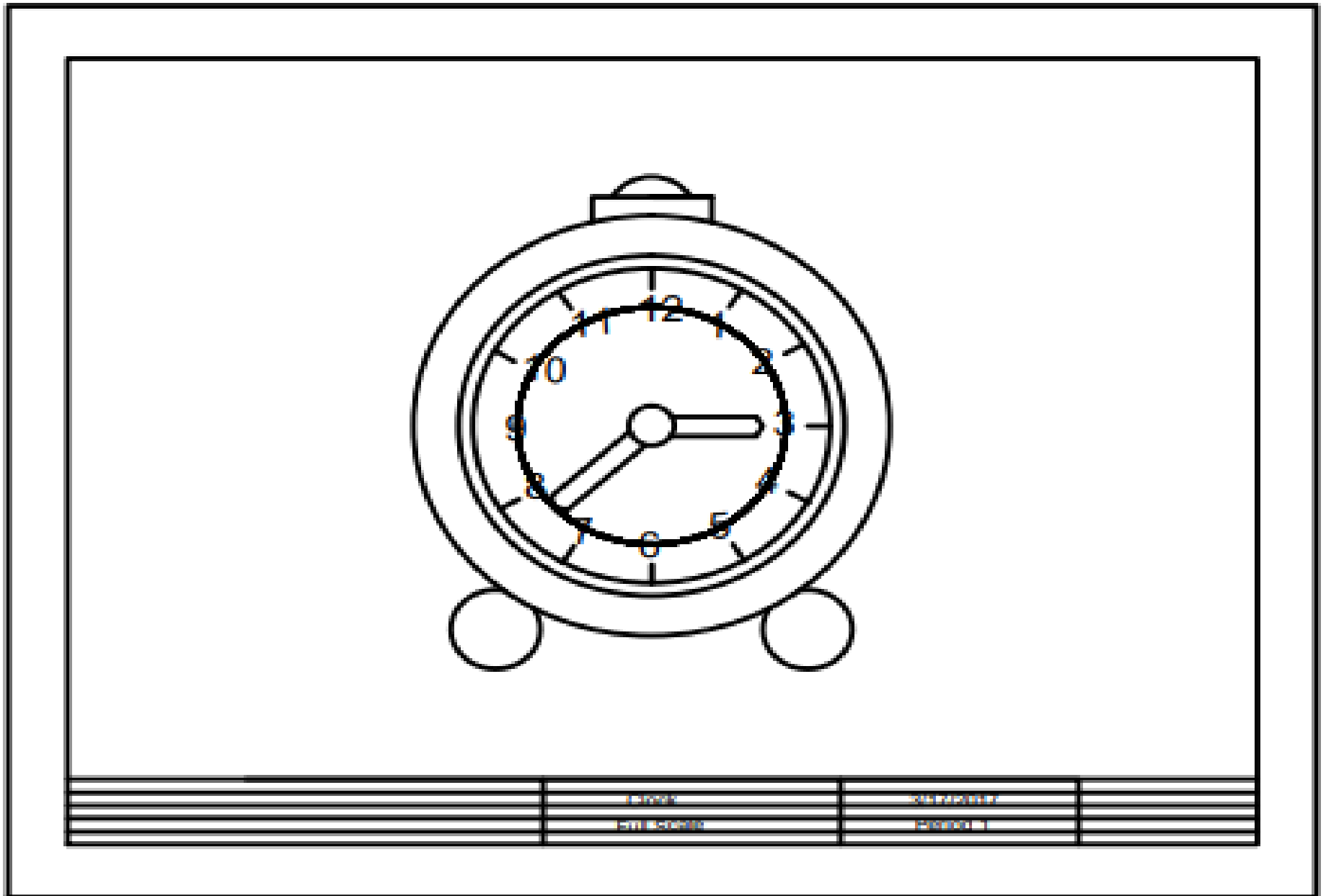
Academic Honor Roll

Teach One to Lead One Leadership
and Character Building Skills Class

ADDITIONAL INFORMATION

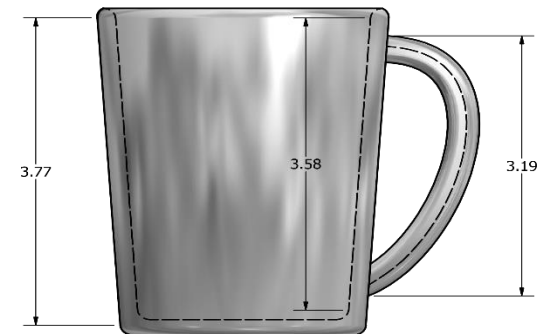
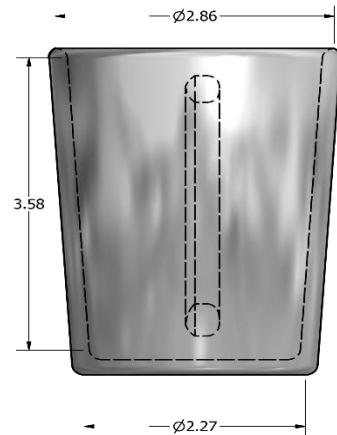
Played football and baseball.
Volunteered in community and made
blankets for the local battered
women's shelter.
Works well with others and likes
challenges.
Can speak English and Spanish.

2D Drawing with Circles



One of my first drawings using Auto CAD, challenge was to create the clock and draw a standard drawing sheet. The drawing was also used to practice using circle shapes in Auto CAD.

My mug is made of aluminum and is ideal for outdoor use in extreme environments. The mug is large and durable enough to last a long time. My mug is able to be exposed to a flame to boil liquid.



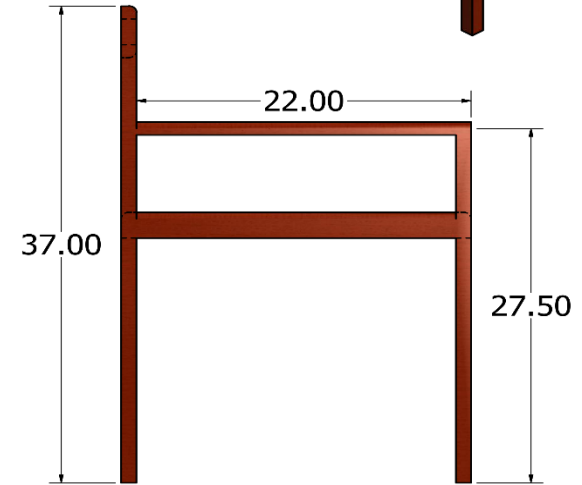
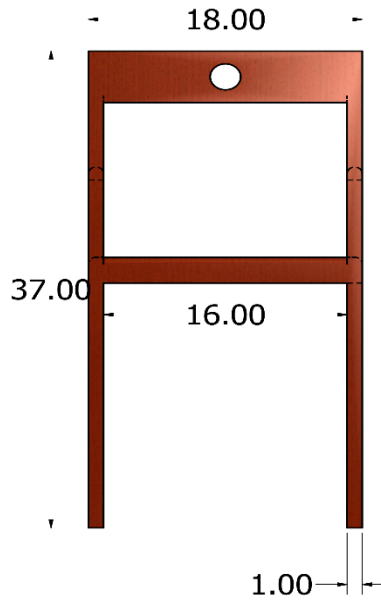
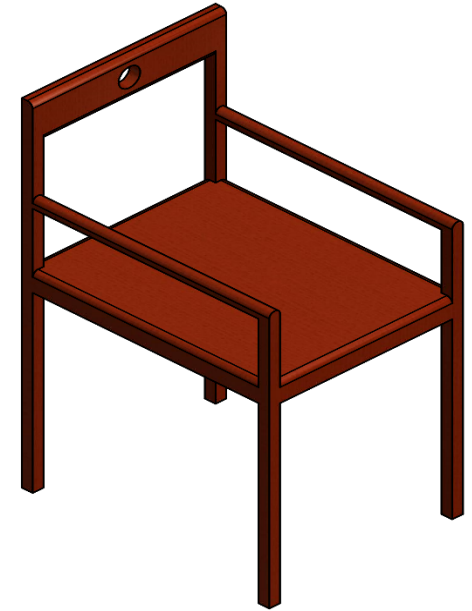
DRAWN	1088604	4/17/2017	AIDEN MINARD	
CHECKED			TITLE	
QA			MUG LAYOUT	
MFG			SIZE	DWG NO
APPROVED			C	mug layout
			SCALE	REV
				SHEET 1 OF 1

Production and Design

My chair is a dining room chair made of oak wood.

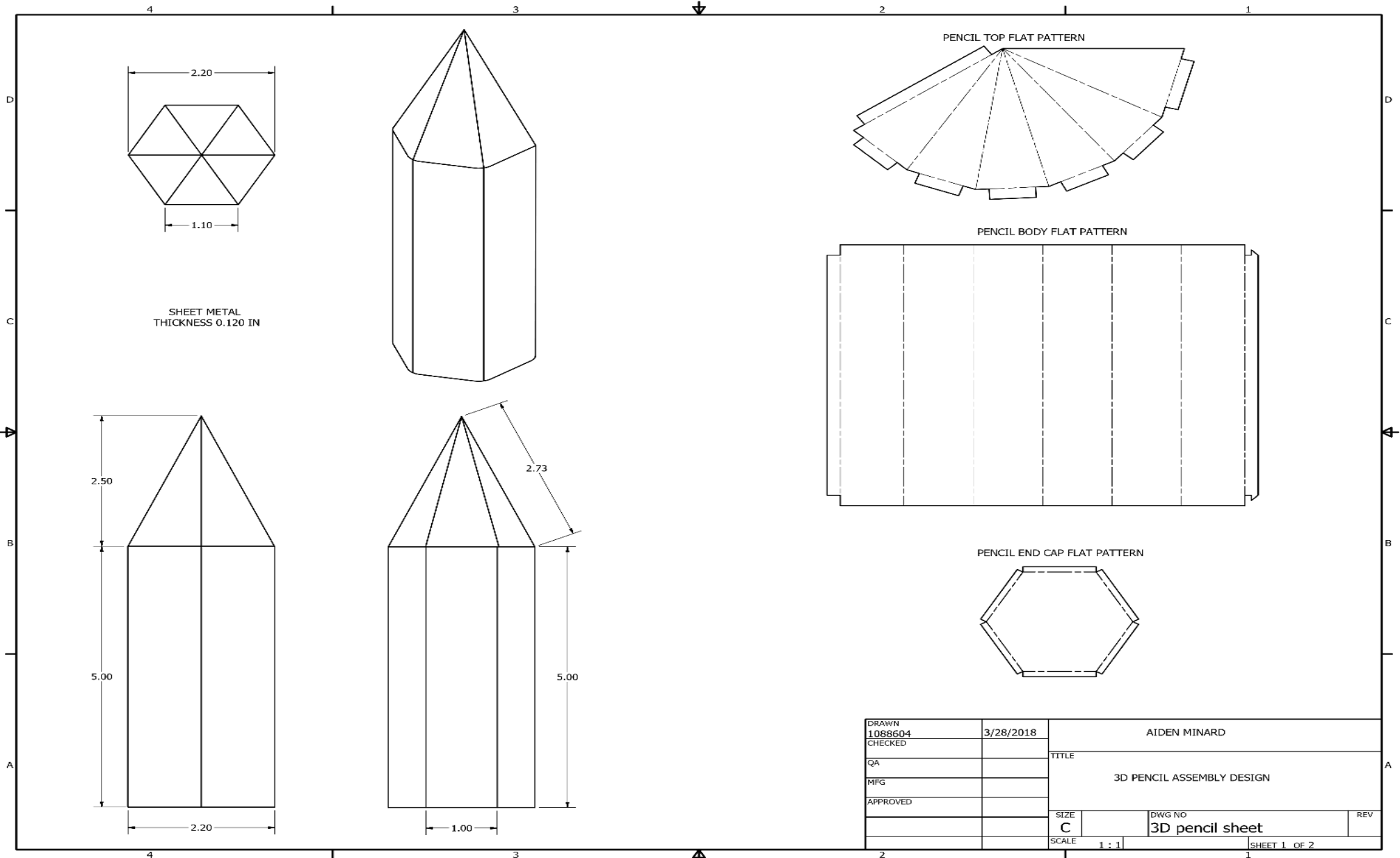
The chair is rounded on the seat for maximum comfort and has armrests.

The chair is meant to be used in any formal dining area.



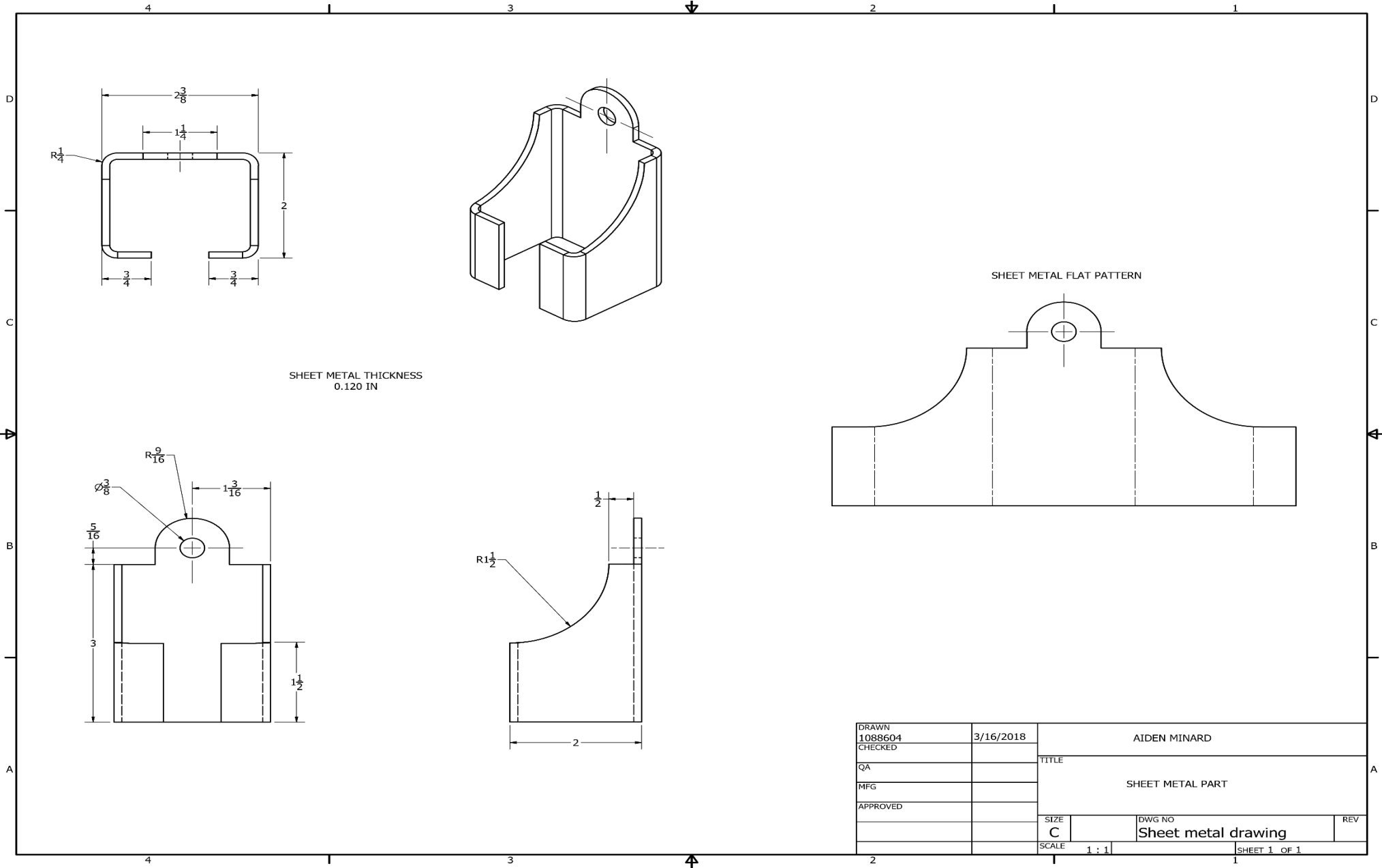
DRAWN 1088604	4/13/2017	Aiden Minard	
CHECKED		TITLE	
QA		Chair Design	
MFG		SIZE	DWG NO
APPROVED		C	Chair design layout
		SCALE	REV
		Full Scale	
			SHEET 1 OF 1

Sheet Metal Parts and Flat Patterns



Had to create a sheet metal part in Inventor, including the flat patterns for each assembly part. Once the design was made the flat patterns were used to create the 3D pencil in real life. The object created shows use of sheet metal and flat patterns for standard 7.

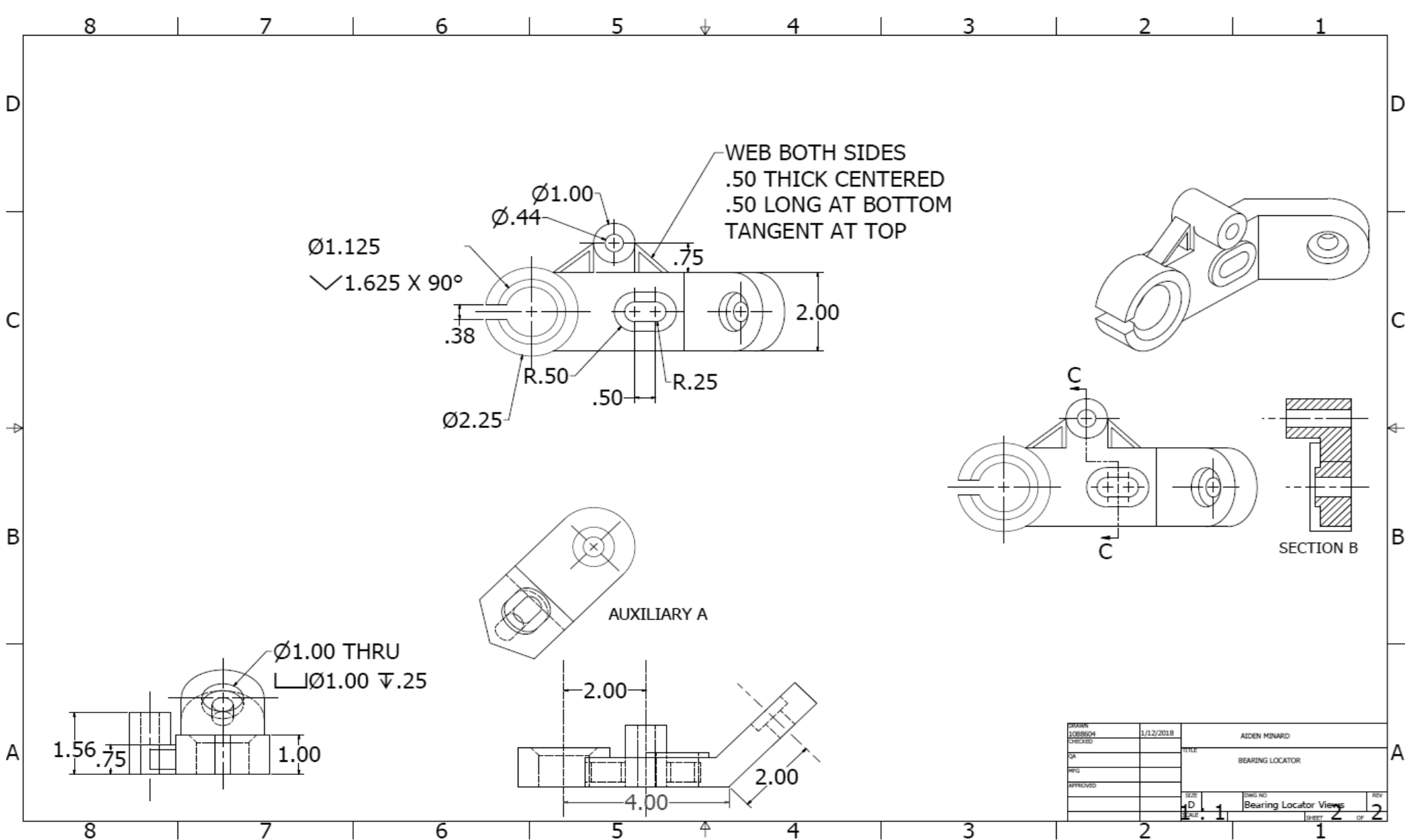
Sheet Metal Parts and Flat Patterns



DRAWN 1088604	3/16/2018	AIDEN MINARD		
CHECKED		TITLE		
QA		SHEET METAL PART		
MFG				
APPROVED				
		SIZE C	DWG NO Sheet metal drawing	REV
		SCALE 1 : 1	SHEET 1 OF 1	

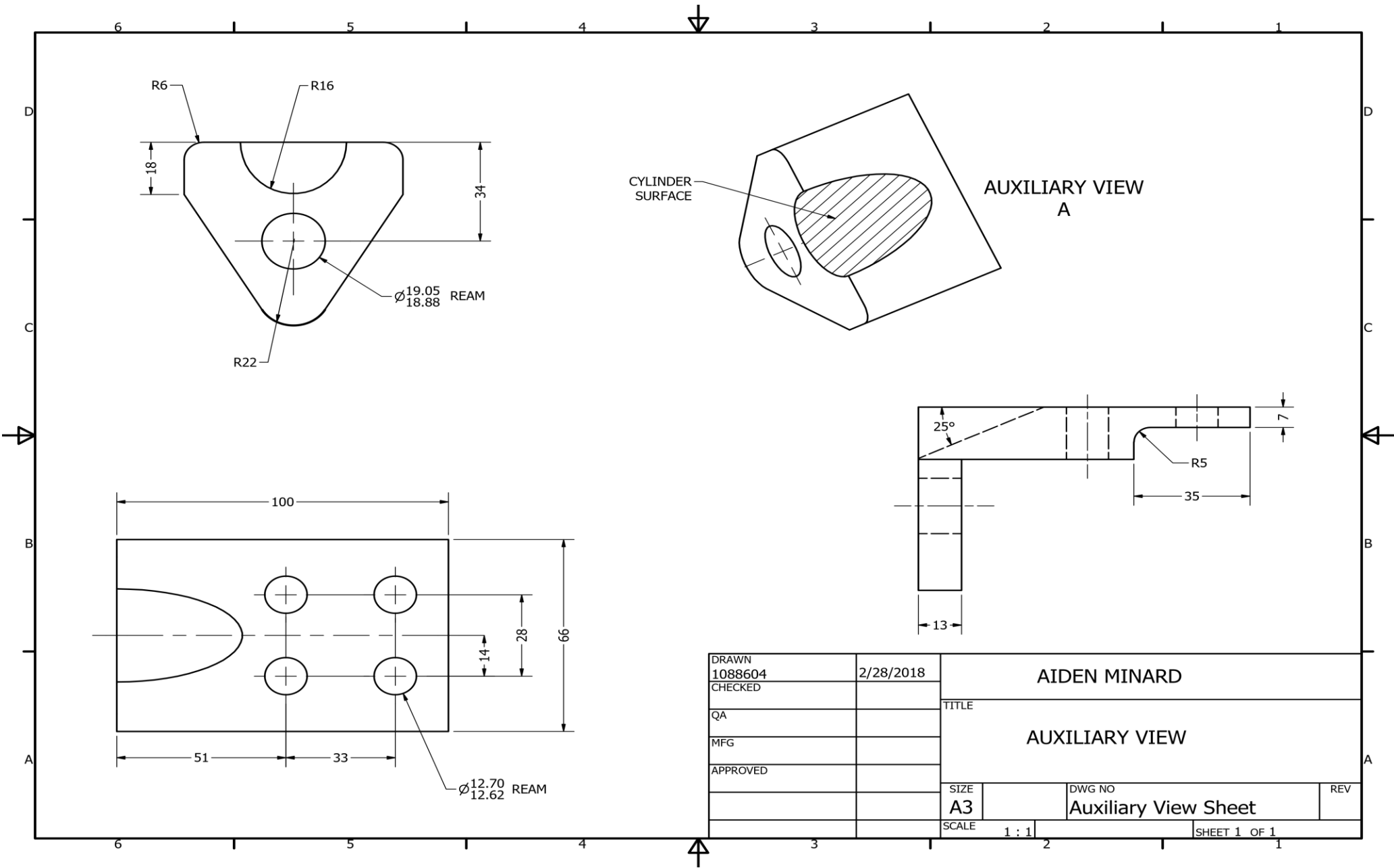
Part is based off of a design given in class. Had to draw sheet metal part in Inventor. Part represented with orthographic, isometric, and flat pattern views. The sheet metal part and flat pattern were created to show understanding of standard 7.

Use of Working Drawings in Design Process



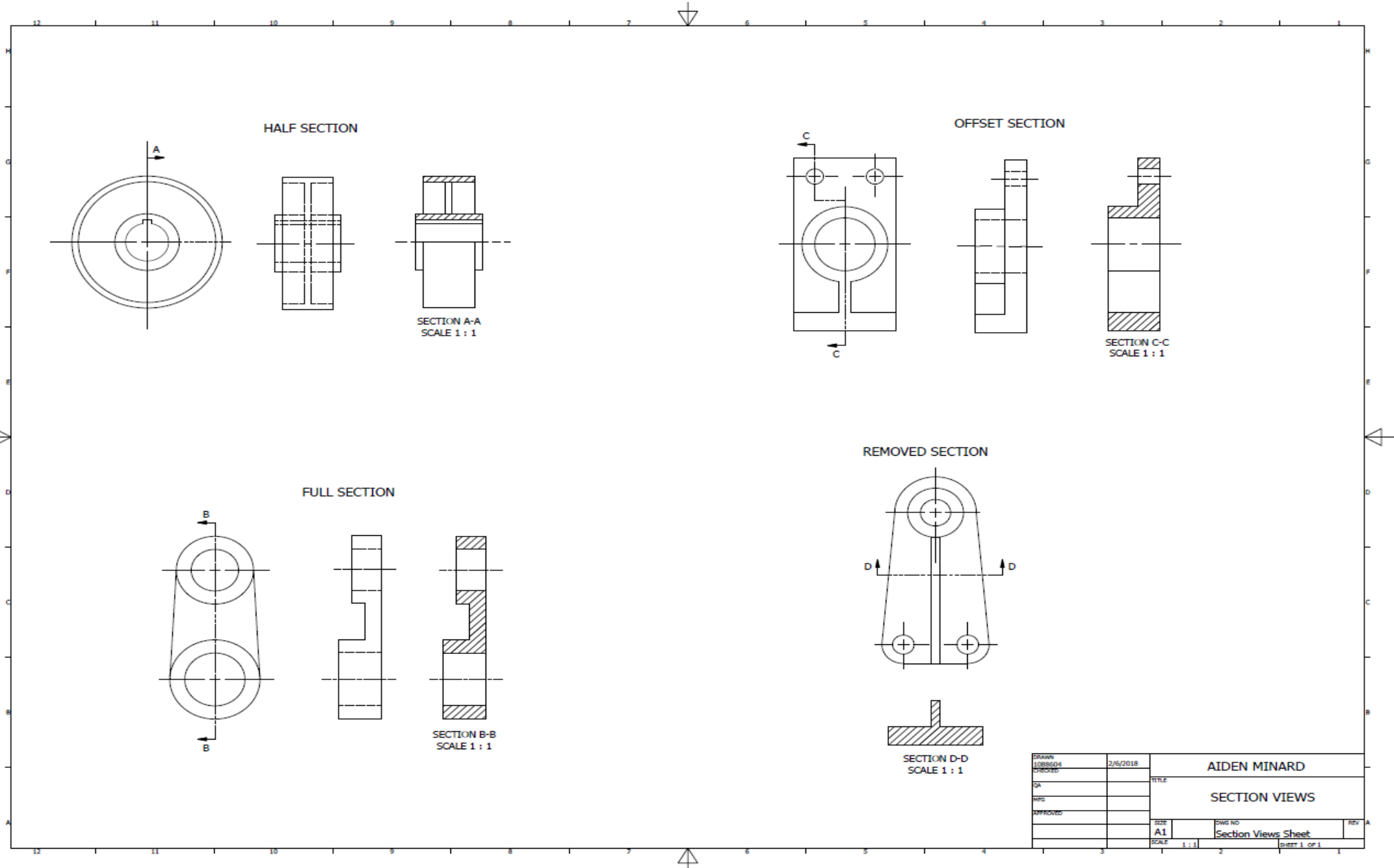
Working drawing based off of a part given to class. Had to create part with all views including an auxiliary and section view of the part correctly and place all views on a sheet. This working drawing follows guidelines of standard 8 and uses different views to show the proper and detailed blueprint of the part given.

Using Auxiliary Views



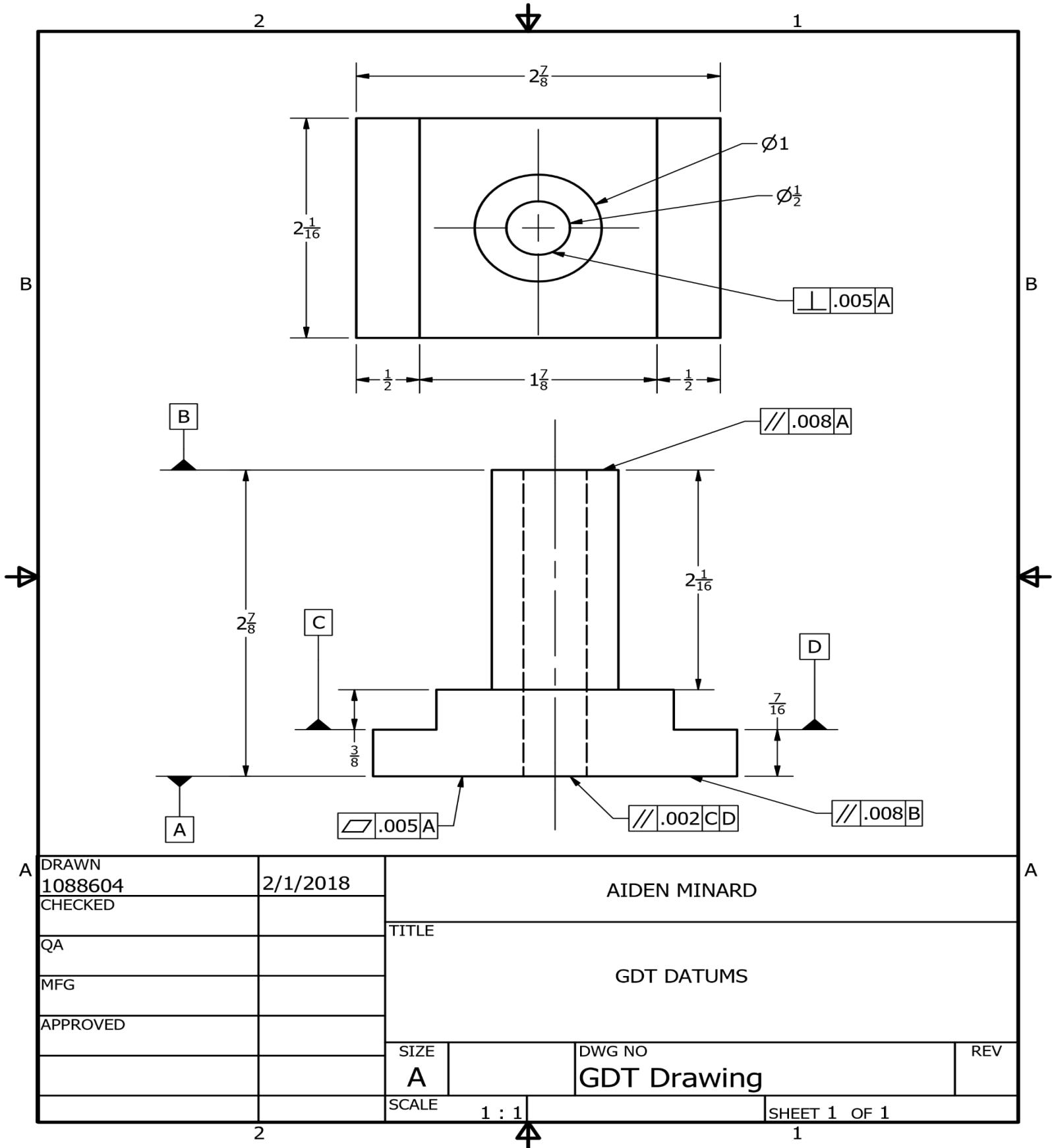
Drawing of a part from work book, and an auxiliary view of the cylindrical surface was created to show further detail of the surface of the object. Use of auxiliary views in this drawing shows understanding of standard 5.

Using Section Views



Had to create four parts in Inventor, and includes correctly placed, four different types of section views of different parts. Drawing represents knowledge learned to accomplish standard 4.

Datum Boxes and Feature Control Frames



Had to create a part and use feature control frames and datum boxes to show the tolerance of certain areas of the part as described in standard 3.

