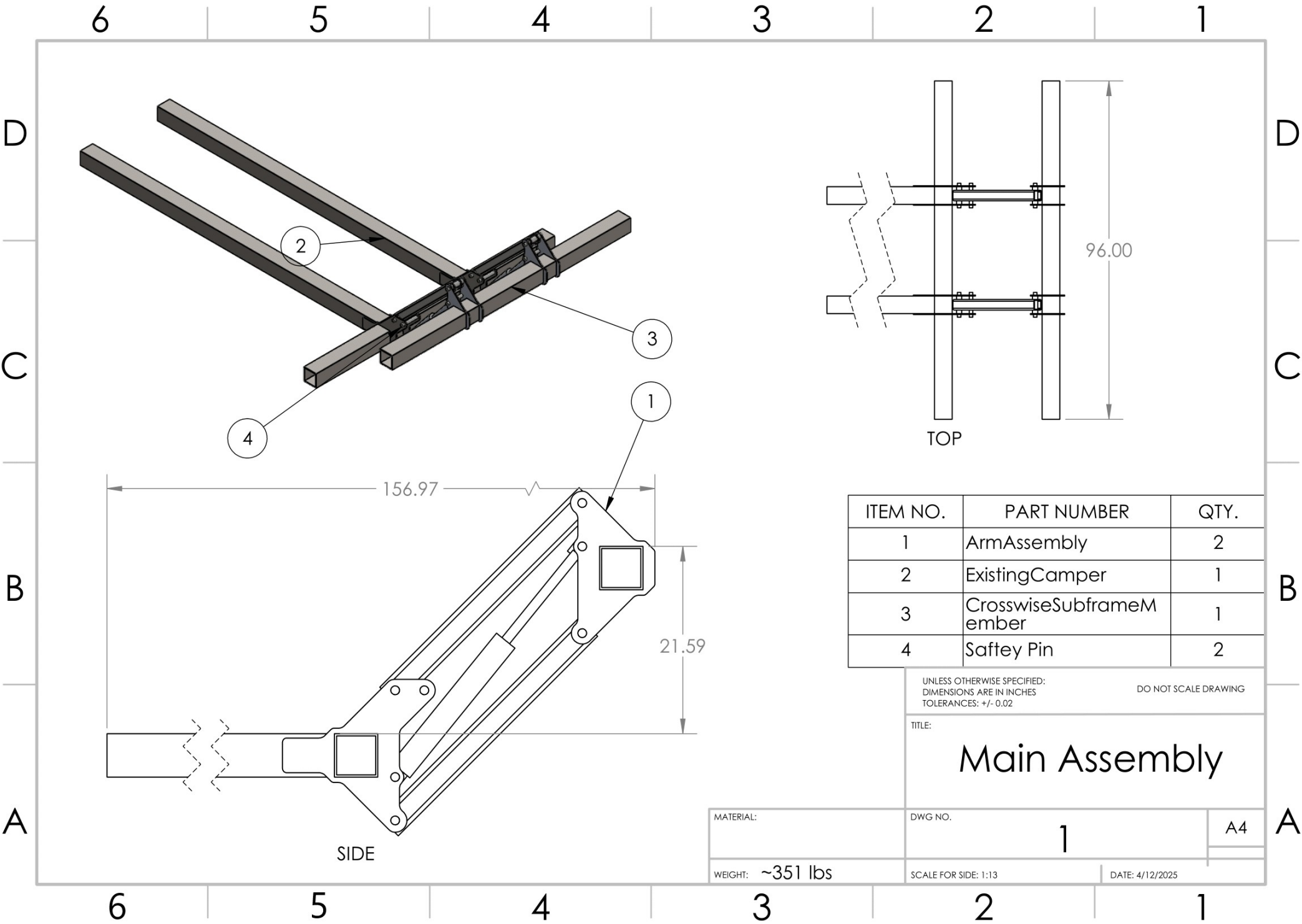
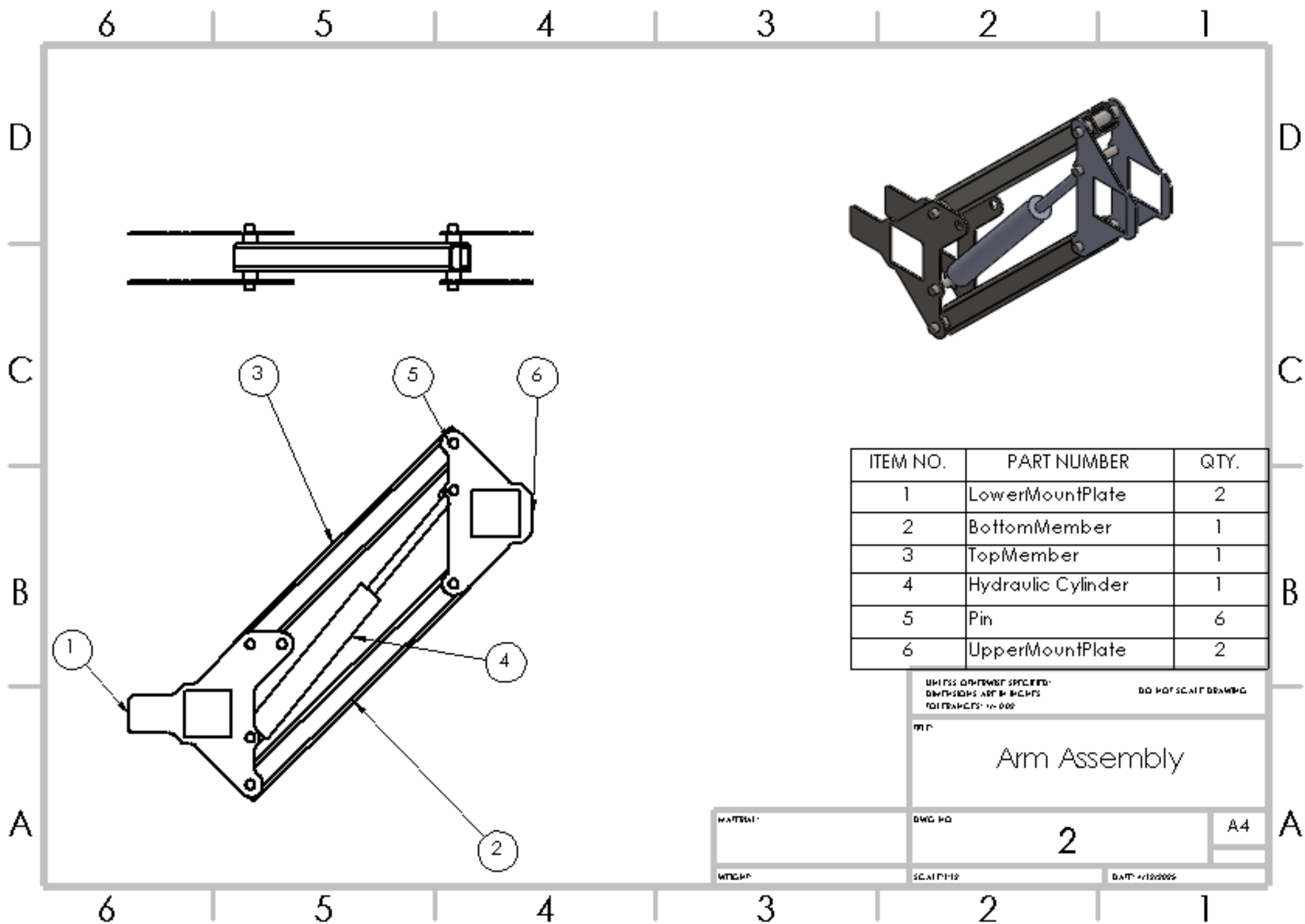
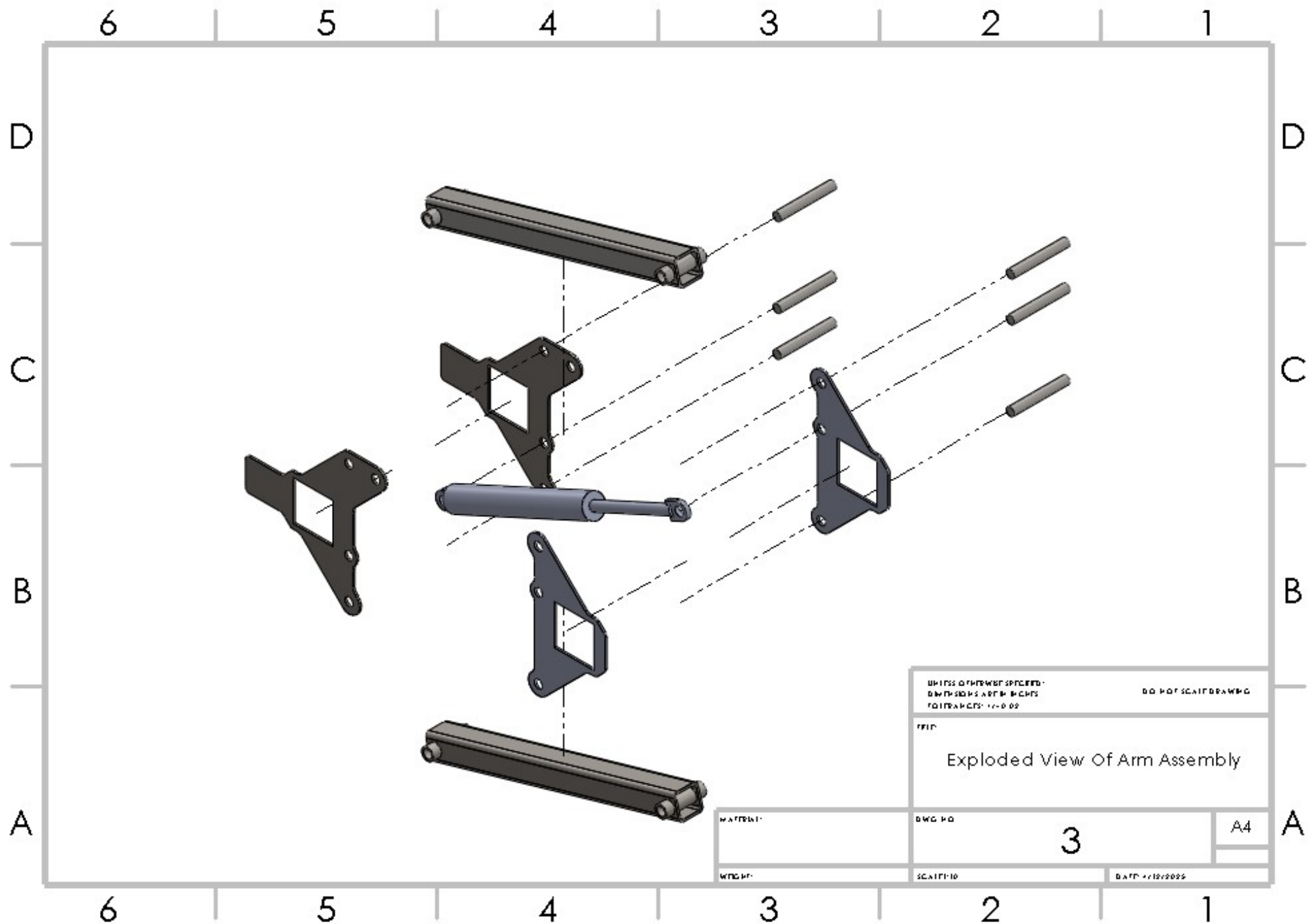








D



DO NOT SCALE DRAWING.

LOWER MOUNT PLATE

A36 STEEL

4

A4

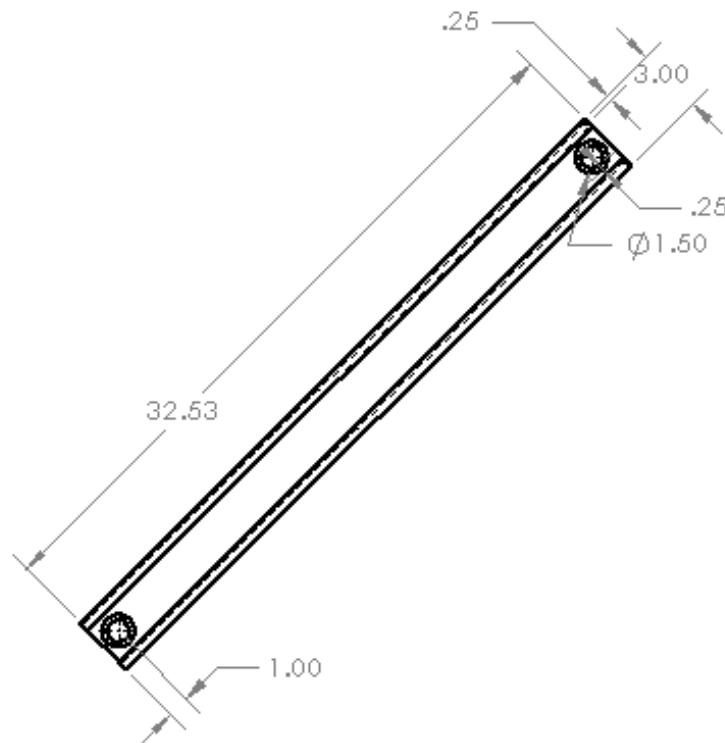
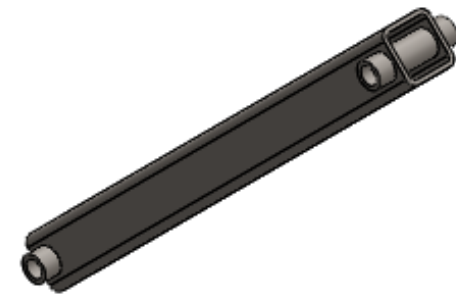
WEIGHT: 7.48 lbs

Scale: 1:250,000

DATE: 4/12/2023

A

THIS PART IS A 3X3X.25 BOX WITH SOME 5X1.5X.25 PIPES WELDED IN THE ENDS. THIS PART IS IDENTICAL TO THE PART CALLED TOP MEMBER BUT DUE TO THE MODELLING PROCESS THEY ENDED UP WITH DIFFERENT NAMES. I WILL MAKE A DRAWING FOR BOTH EVEN THOUGH THEY ARE IDENTICAL.



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES: $\pm .002$

DO NOT SCALE DRAWING

FILE:

BOTTOM MEMBER

MATERIAL:

A36 STEEL

DMC NO.

5

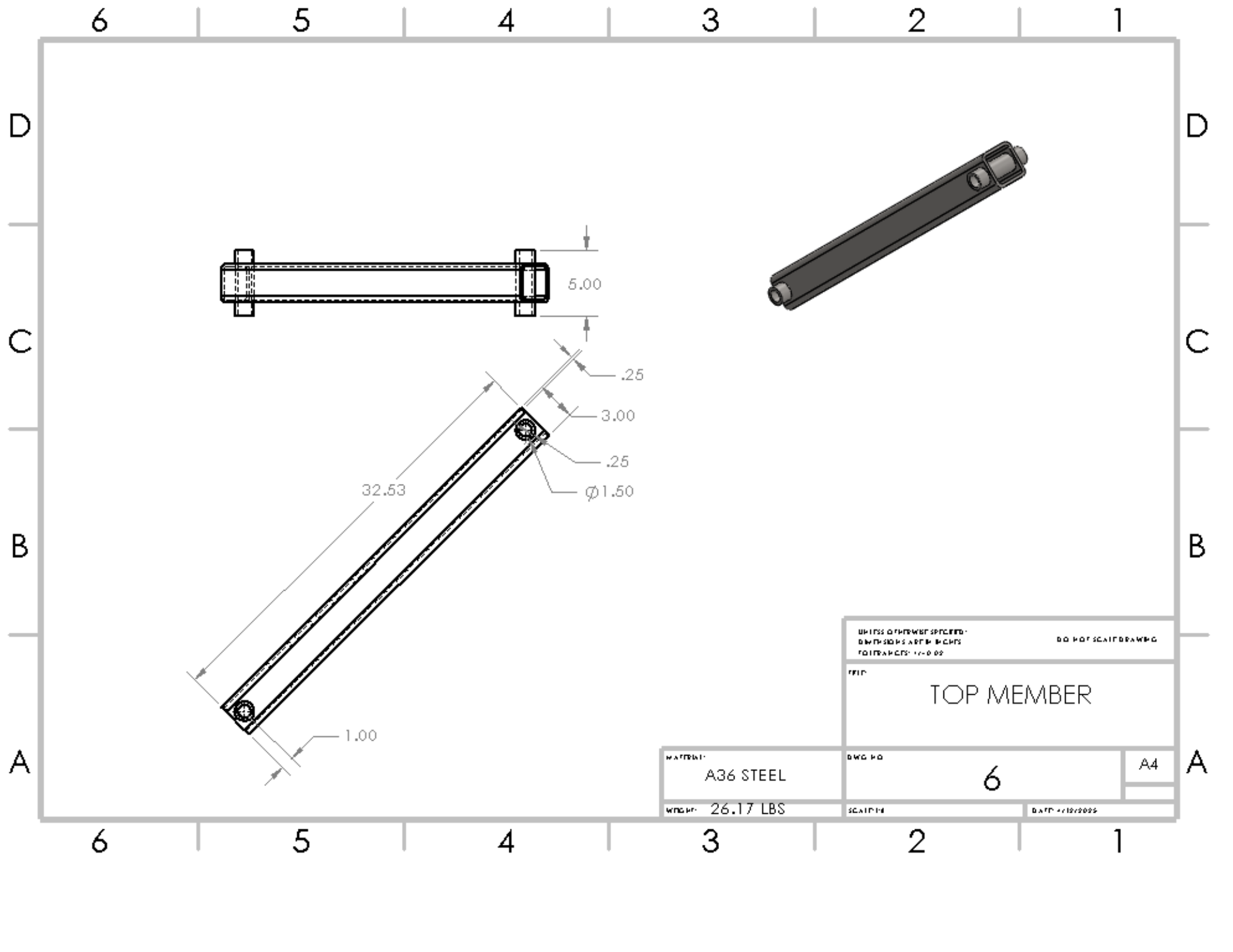
A4

WEIGHT:

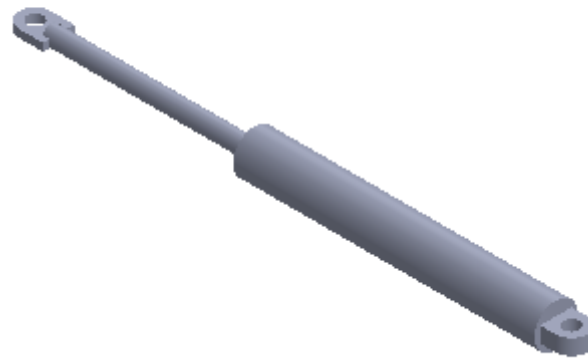
26.17 lbs

SCALE: 1:2

DATE: 4/12/2025



THIS IS NOT THE ACTUAL CYLINDER!



THIS IS A REPRESENTATION OF A CYLINDER THAT NEEDS TO BE BOUGHT. I FOUND A COMPANY NAMED HYDRAULIC CONTROLS AND THEY SELL HYDRAULIC CYLINDERS.

THE RELEVANT SPECS ARE:

EXTENDED LENGTH=34.25

RETRACTED LENGTH=20.25

BORE=2

ROD=1.125

ACCORDING TO A CATALOG I OBTAINED BY CALLING THEM, CYLINDER **2012TR-ORB/NPT** MEETS THESE SPECS.

THE SPEC SHEET SAYS THIS CYLINDER CAN HANDLE 7850 LBS, SO ASSUMING ITS A RIGID BODY IN SIMULATIONS OF 1100 LBF LOADS IS VALID. THE SPEC SHEET DOES NOT SAY WHAT ITS DIAMETER OR SIZE IS SO ITS POSSIBLE THAT THERE COULD BE CLEARANCE ISSUES MOSTLY RELATING TO HOW FAR DOWN THE LIFT GOES DEPENDING ON WHAT CYLINDER IS BOUGHT.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES: +/- .002

DO NOT SCALE DRAWING

TITLE:

HYDRAULIC CYLINDER

MATERIAL:

DWG. NO.

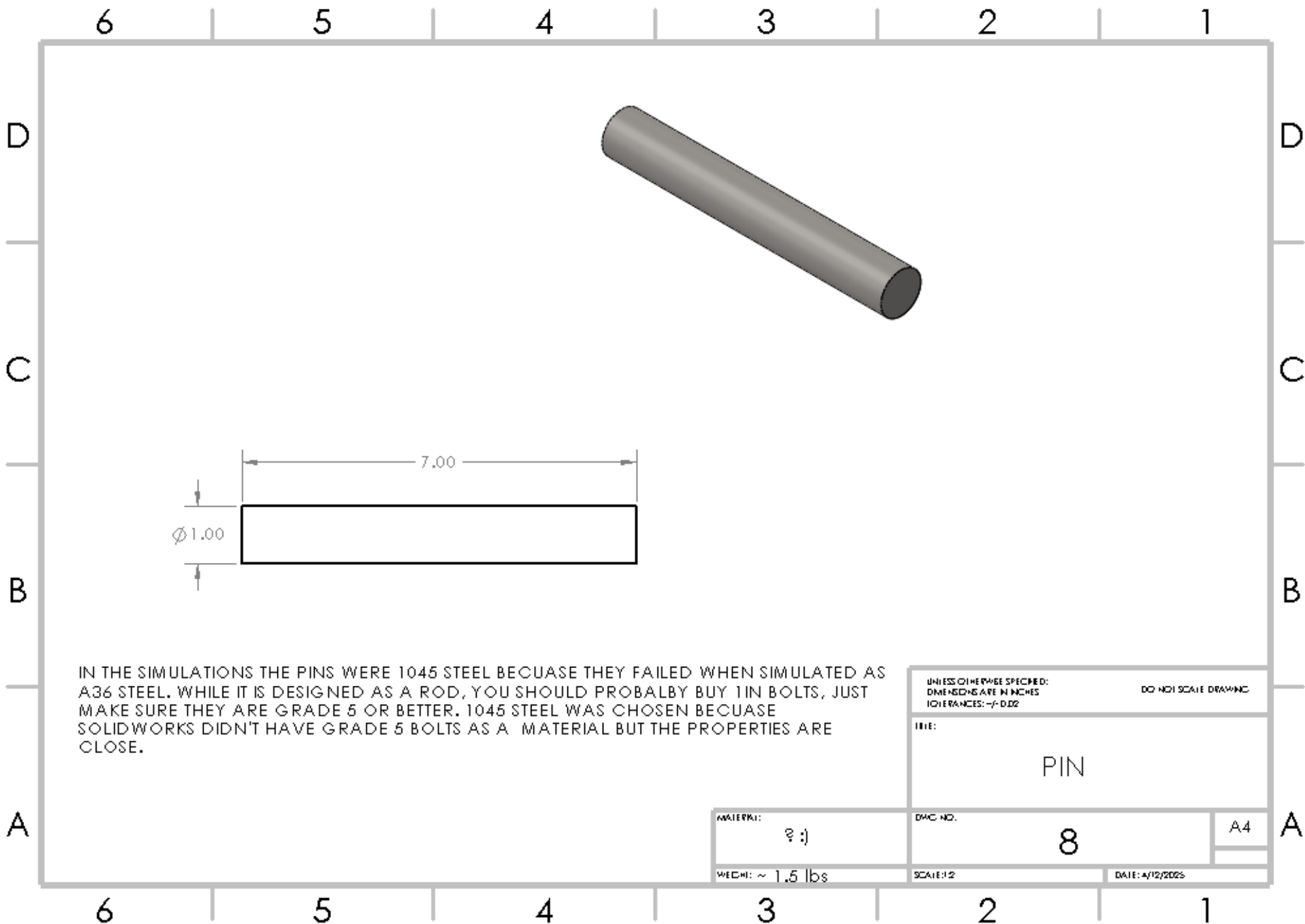
7

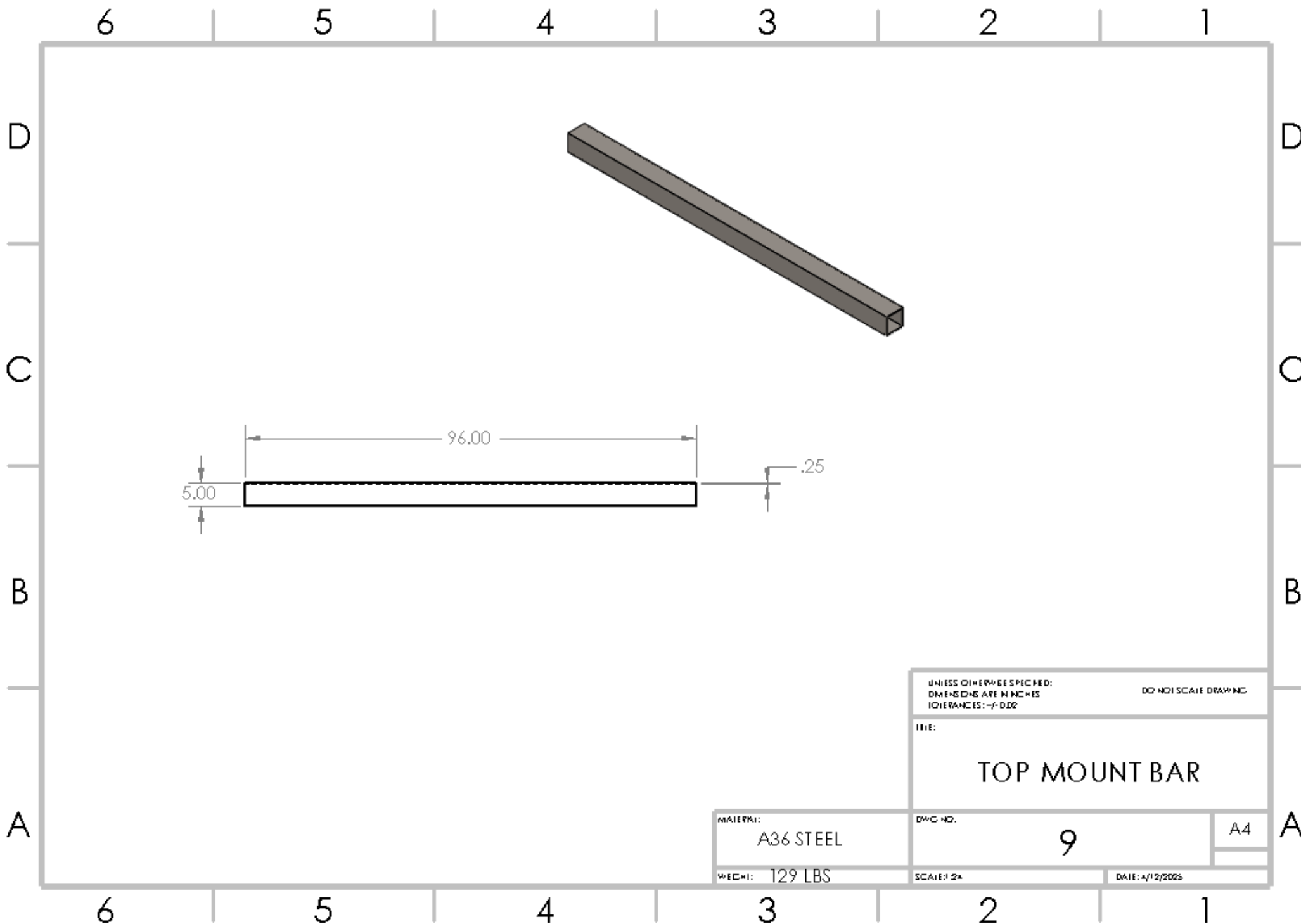
A4

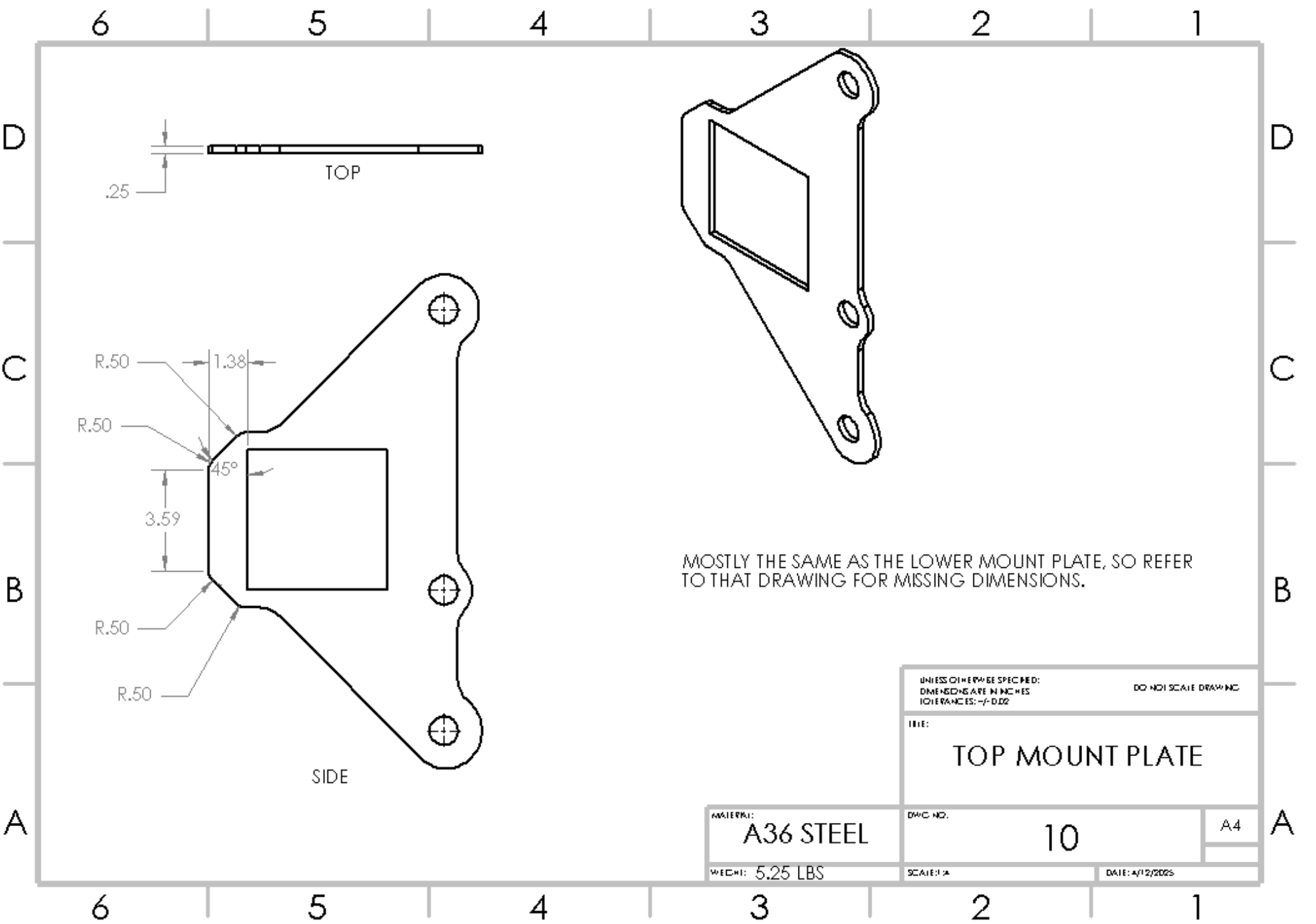
WEIGHT: 22lbs

SCALE: 1:2

DATE: 4/12/2025







UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES: $\pm$.002

DO NOT SCALE DRAWING

FILE:
TOP MOUNT PLATE

MATERIAL:
A36 STEEL

DWG. NO.:
10

A4

WEIGHT: **5.25 LBS**

SCALE: **A**

DATE: **4/12/2025**