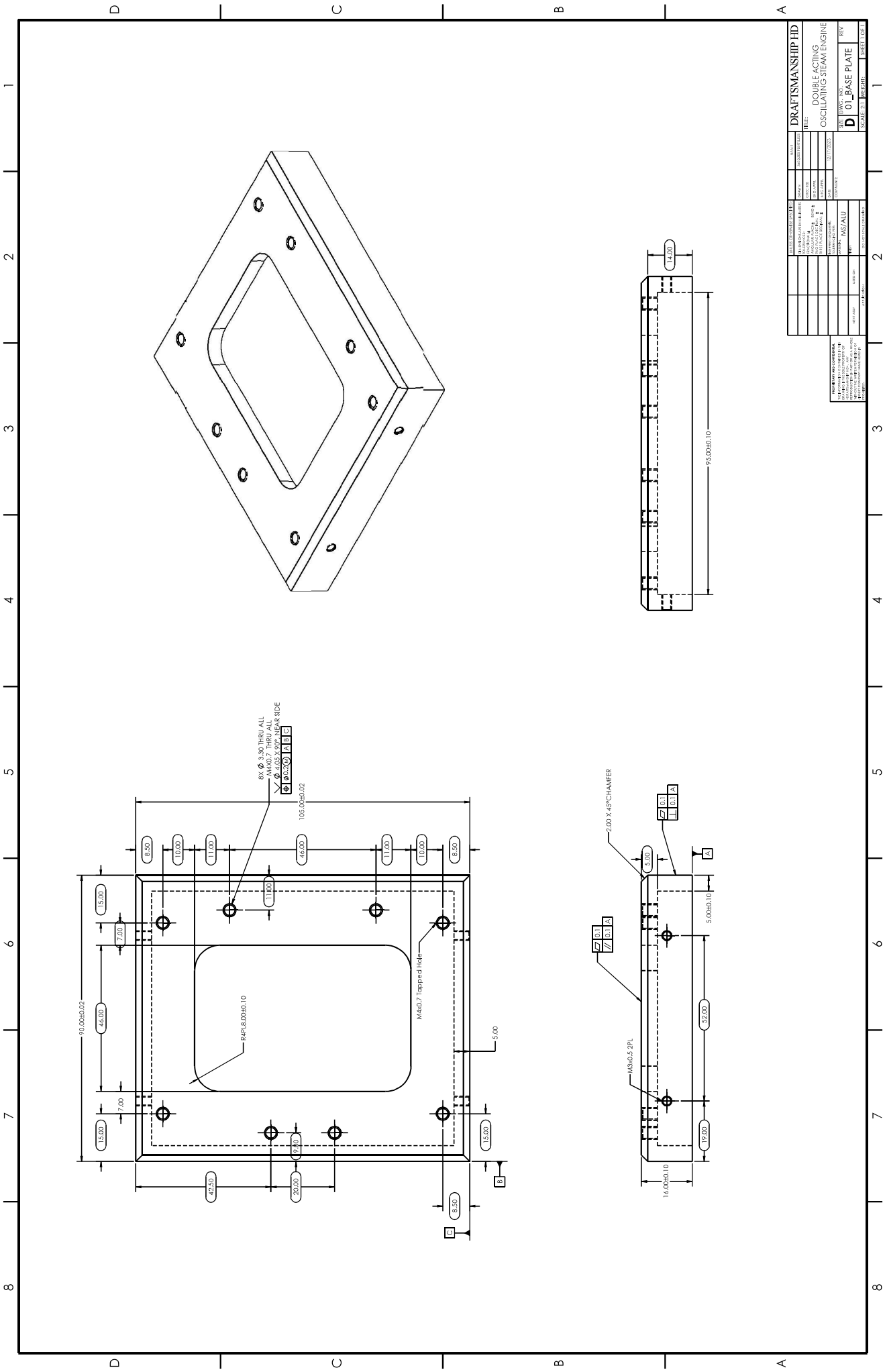
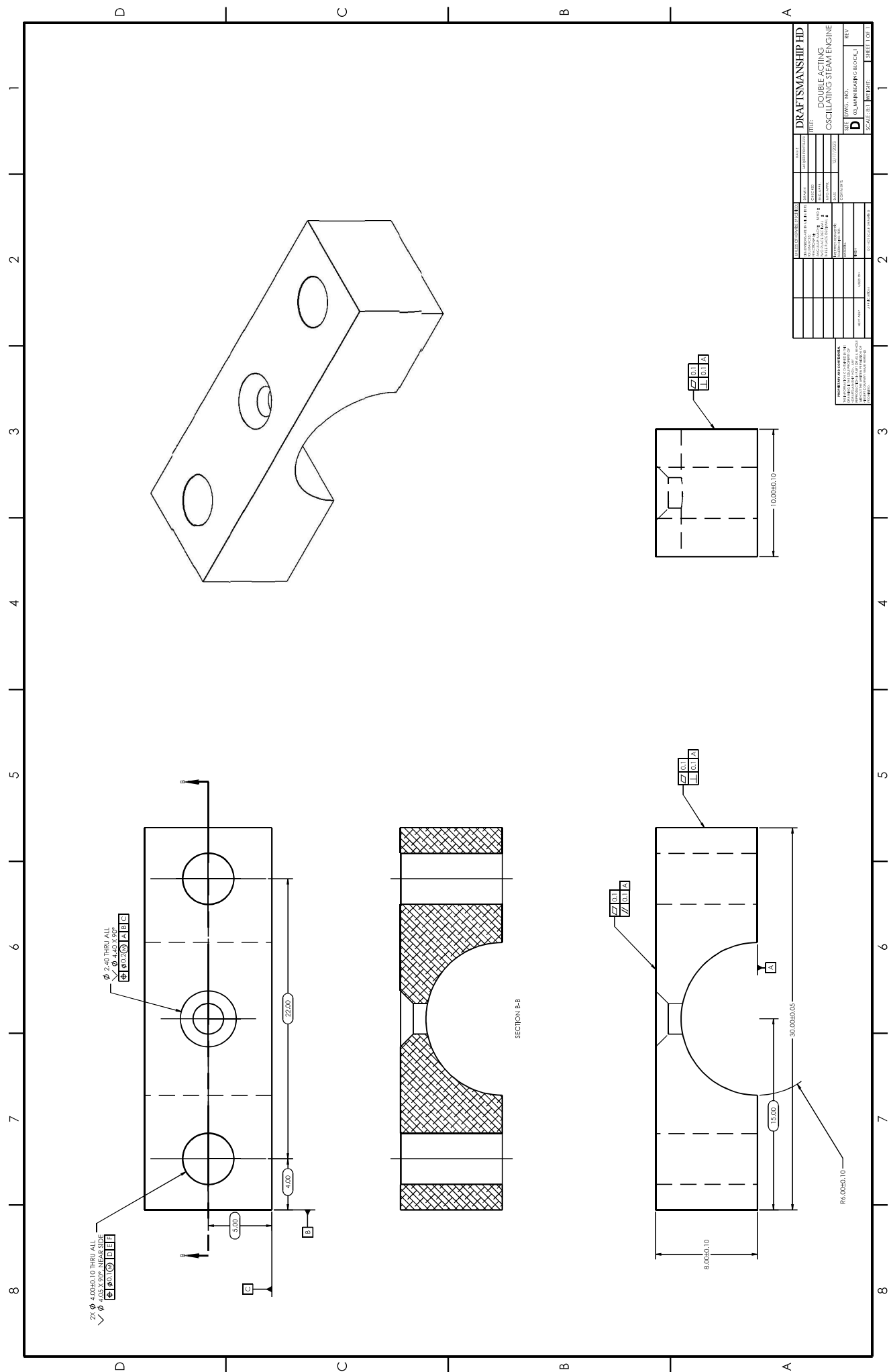
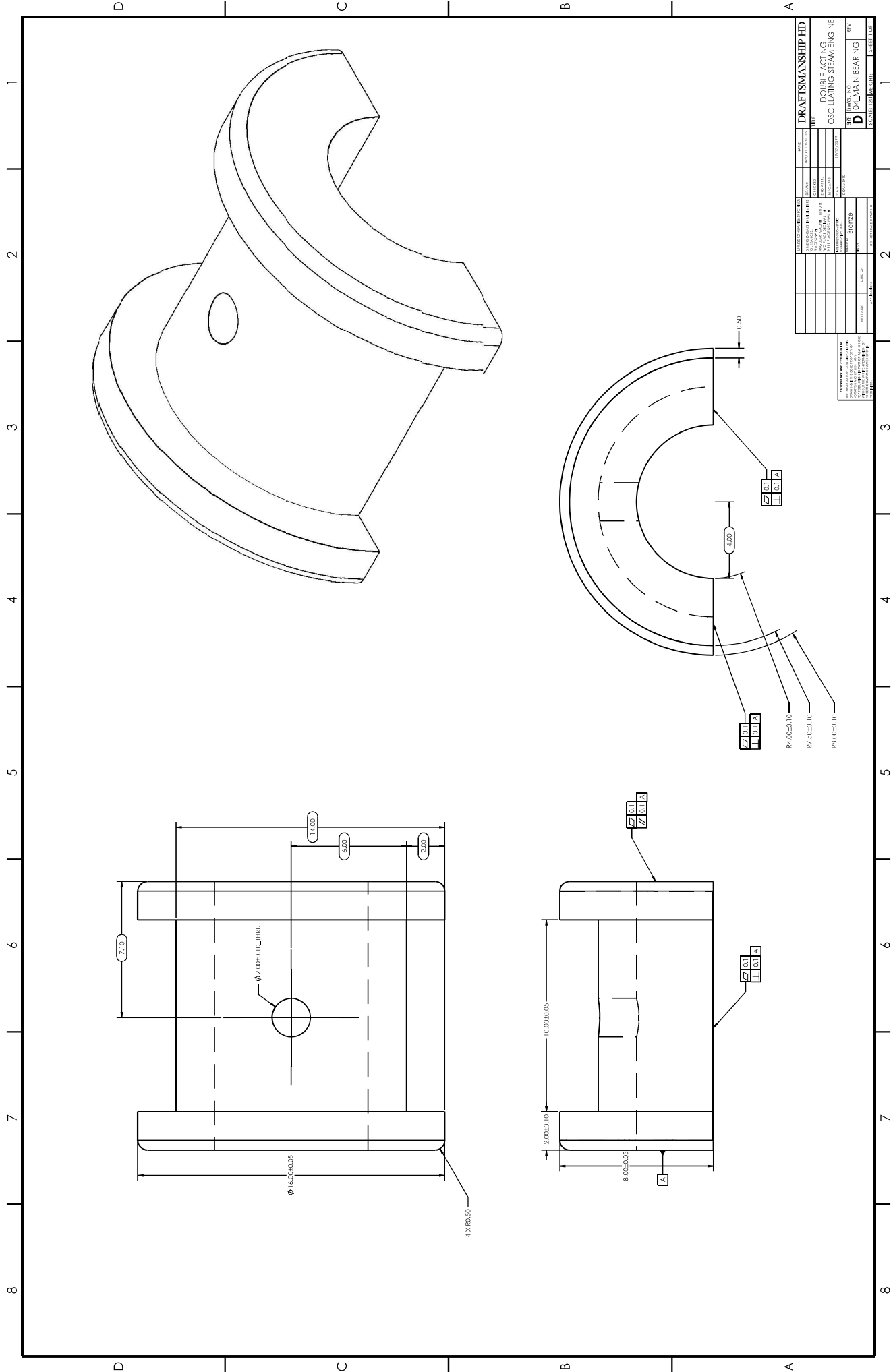
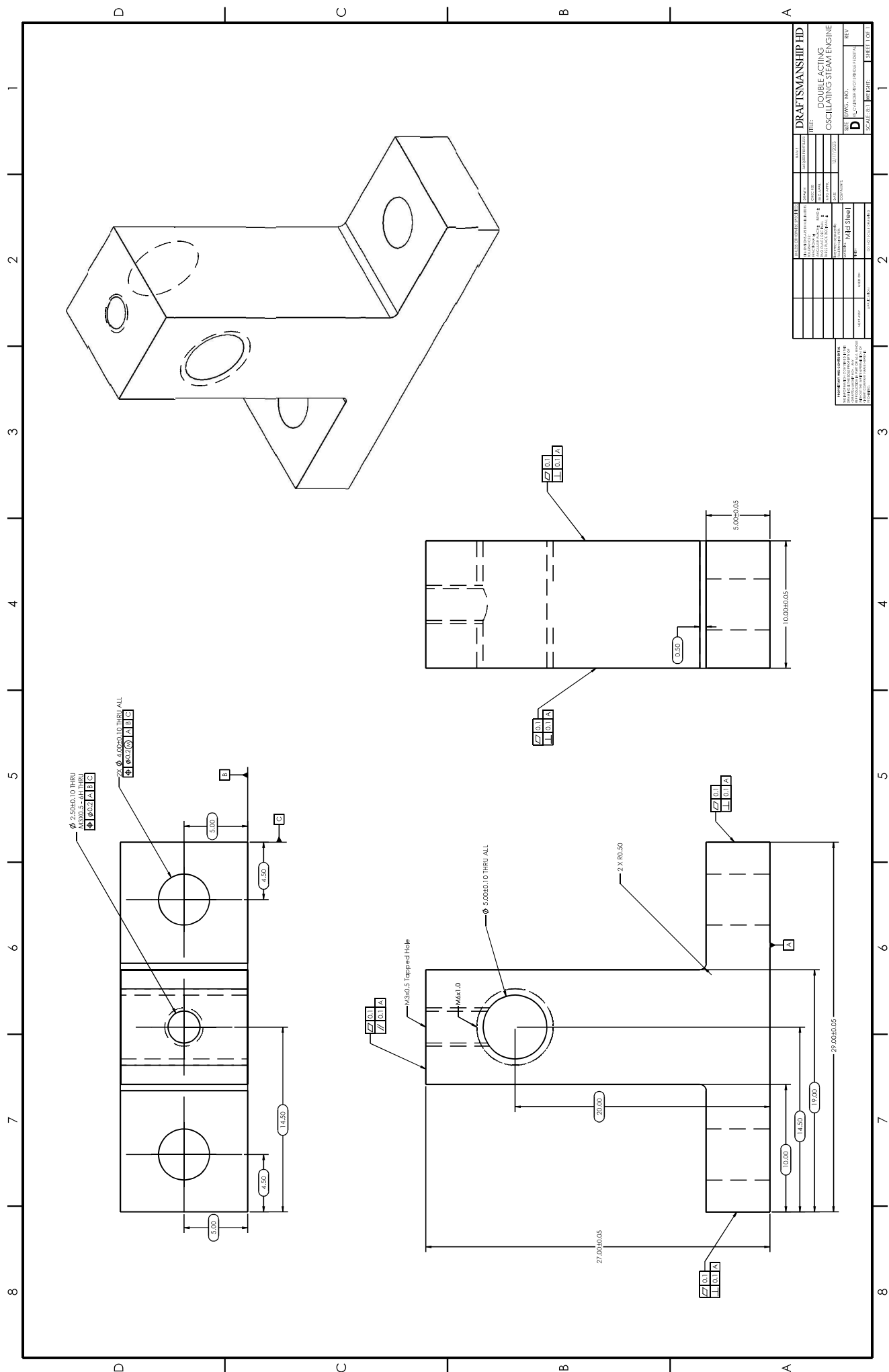


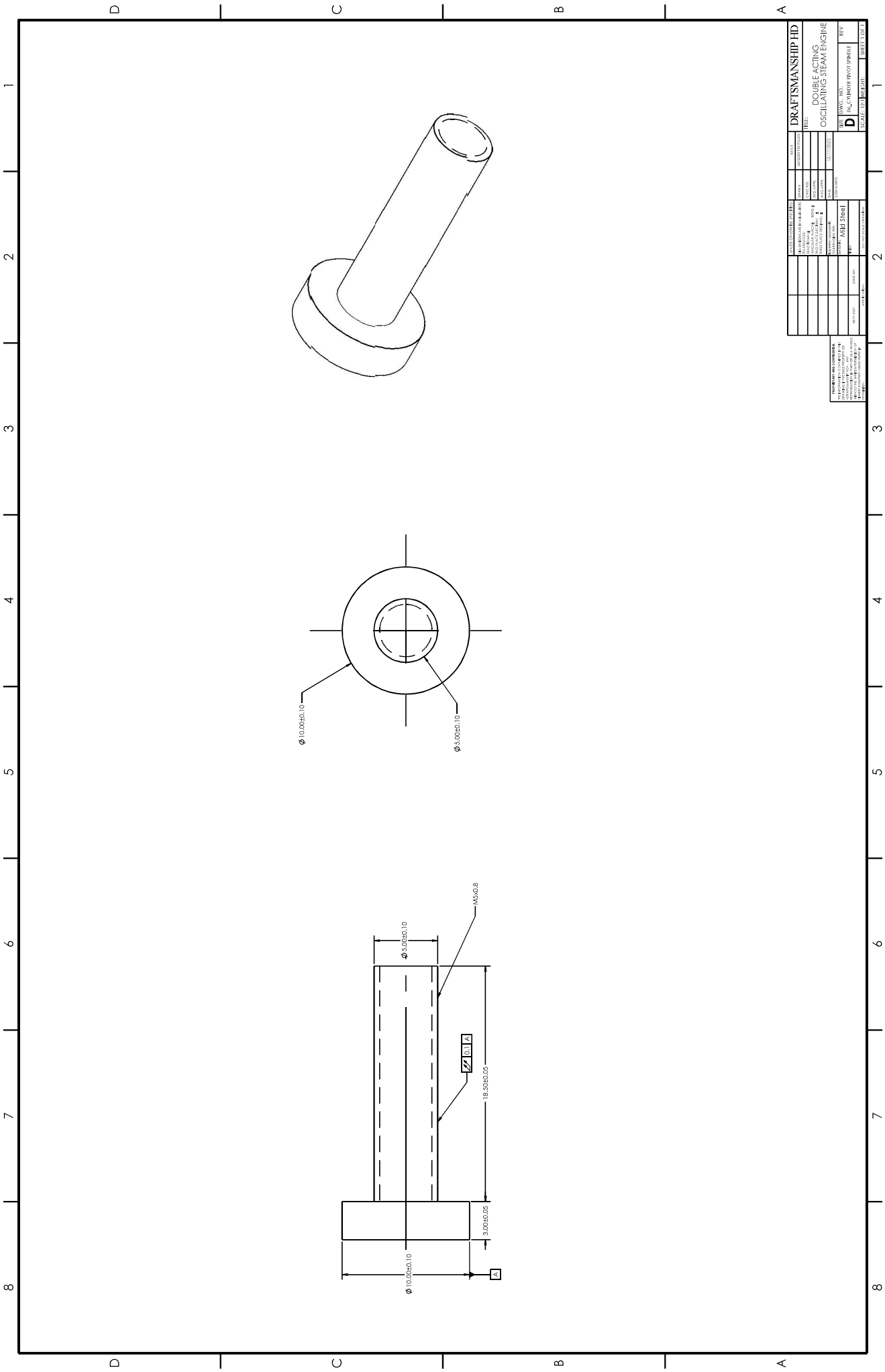


DRAFTSMANSHIP HD		DATE	12/17/2023
DOUBLE ACTING OSCILLATING STEAM ENGINE		SCALE	1:1
OIL BASE PLATE		REV	1
MS/ALU		DATE	12/17/2023
1		DATE	12/17/2023
2		DATE	12/17/2023
3		DATE	12/17/2023
4		DATE	12/17/2023
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99		DATE	12/17/2023
100		DATE	12/17/2023



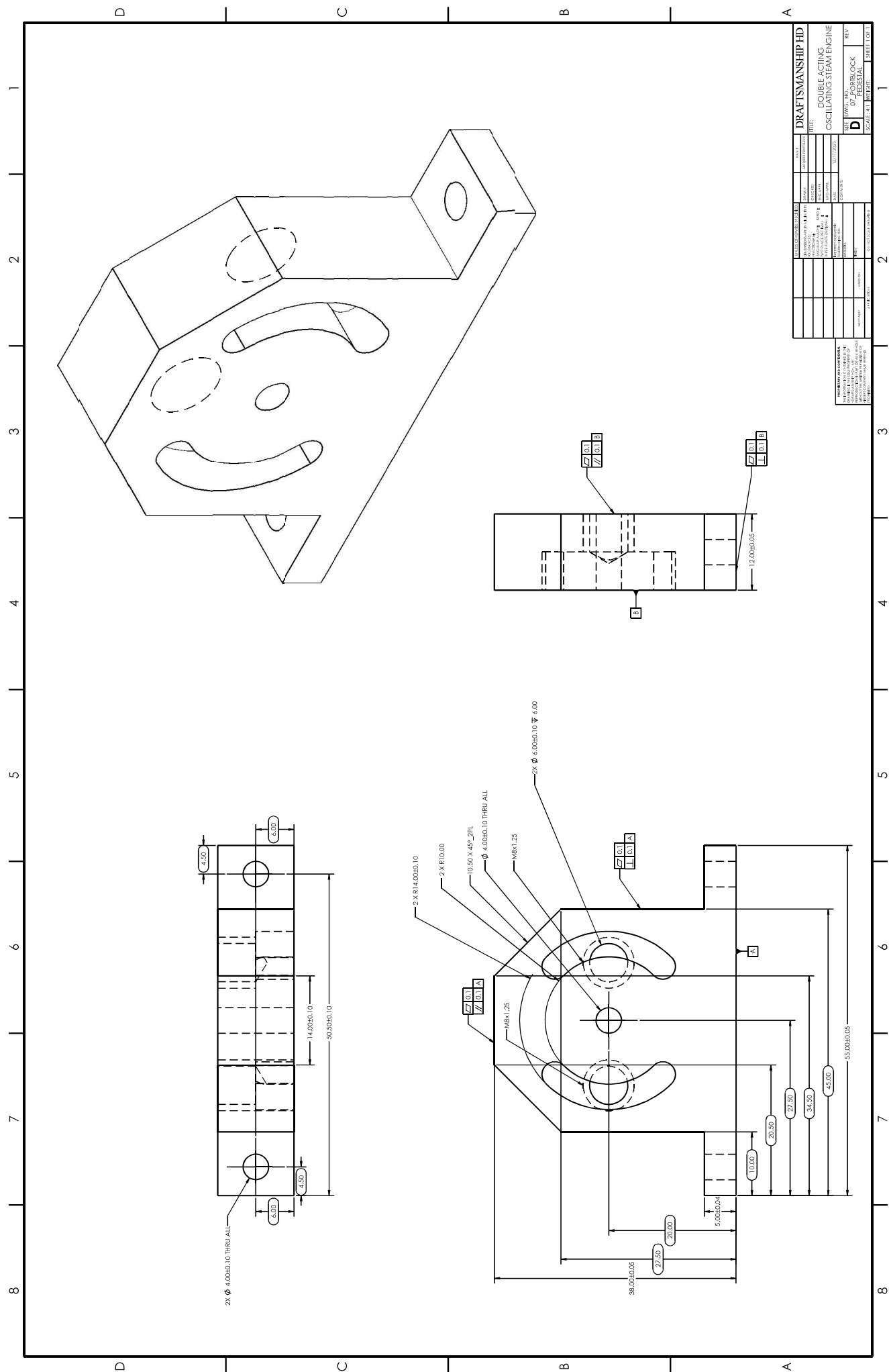


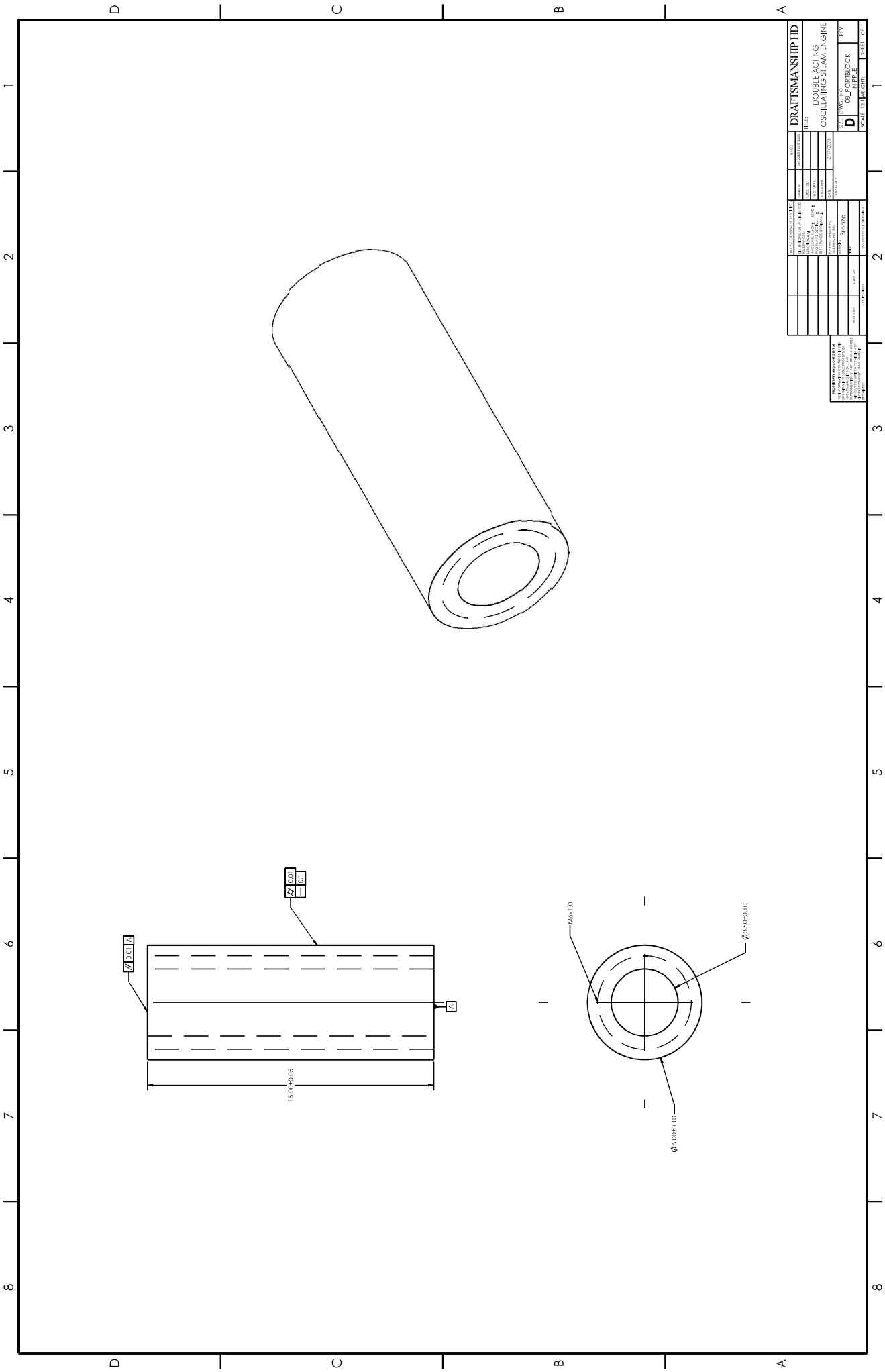




DRAFTSMANSHIP HD		DATE	12/17/2023
PROJECT		DESCRIPTION	DOUBLE ACTING OSCILLATING STEAM ENGINE
DRAWN BY		DATE	12/17/2023
CHECKED BY		DATE	
APPROVED BY		DATE	
SCALE		1:1	
SHEET 1 OF 1			

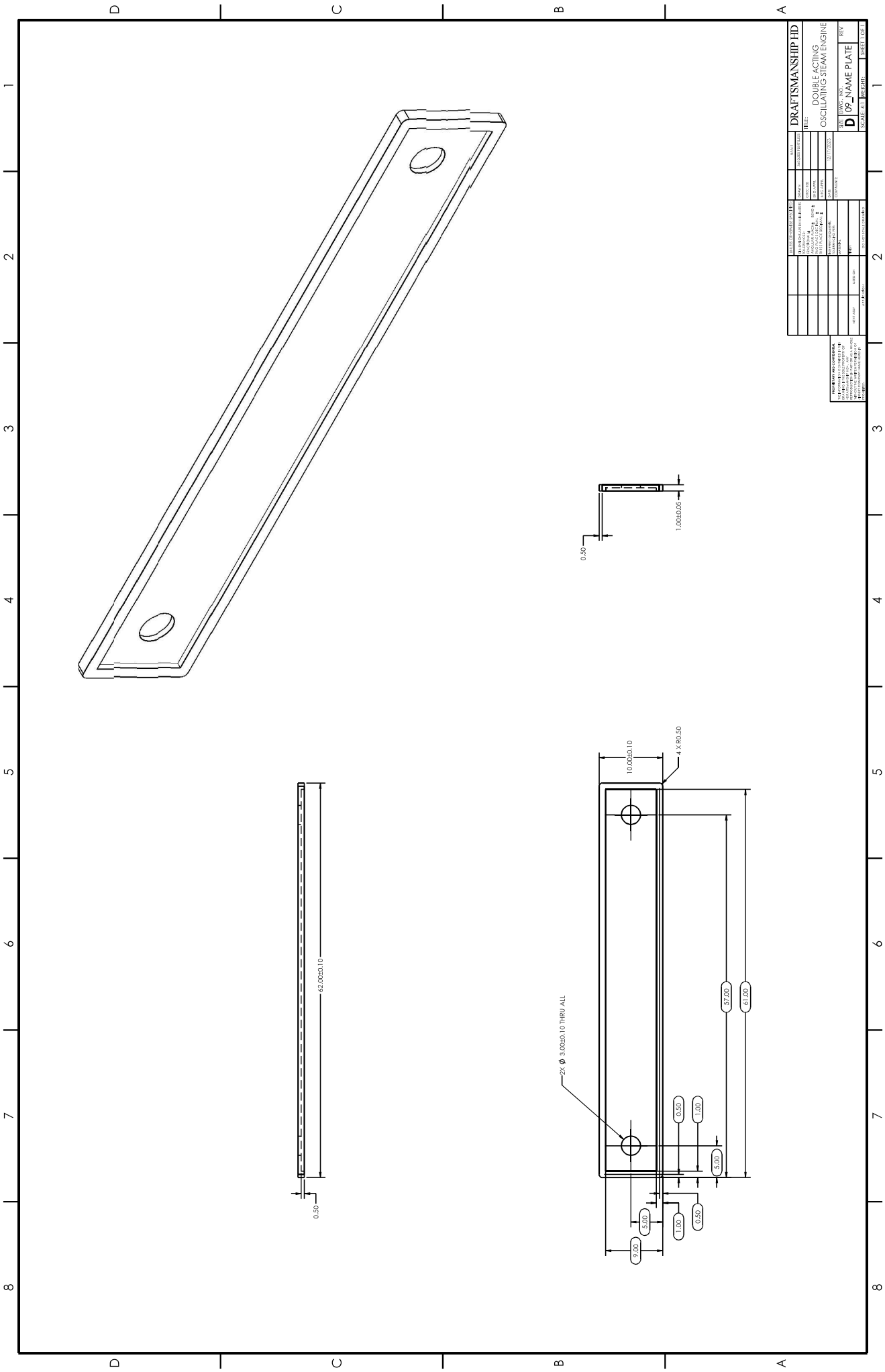
PROVIDED AND CONFIRMED
DATE: 12/17/2023
BY: [Signature]
FOR: [Signature]





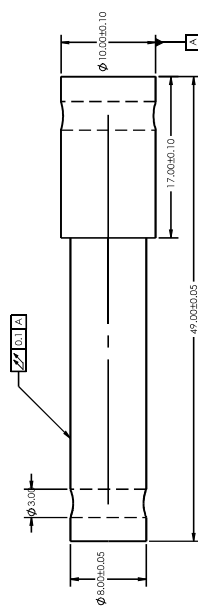
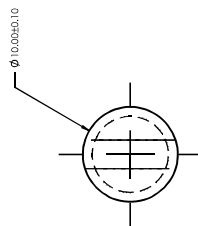
DRAFTSMANSHIP HD		DATE	12/17/2023
PROJECT		DESCRIPTION	DOUBLE ACTING OSCILLATING STEAM ENGINE
DRAWN BY		DATE	12/17/2023
CHECKED BY		DATE	
APPROVED BY		DATE	
MATERIAL		QUANTITY	1
PART NAME		QUANTITY	1
SCALE		SCALE	1:1
REV		REV	
D		QUANTITY	1
SCALE		SCALE	1:1

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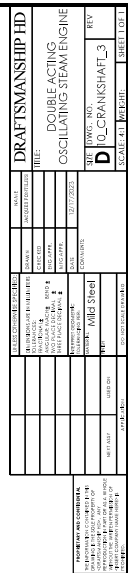


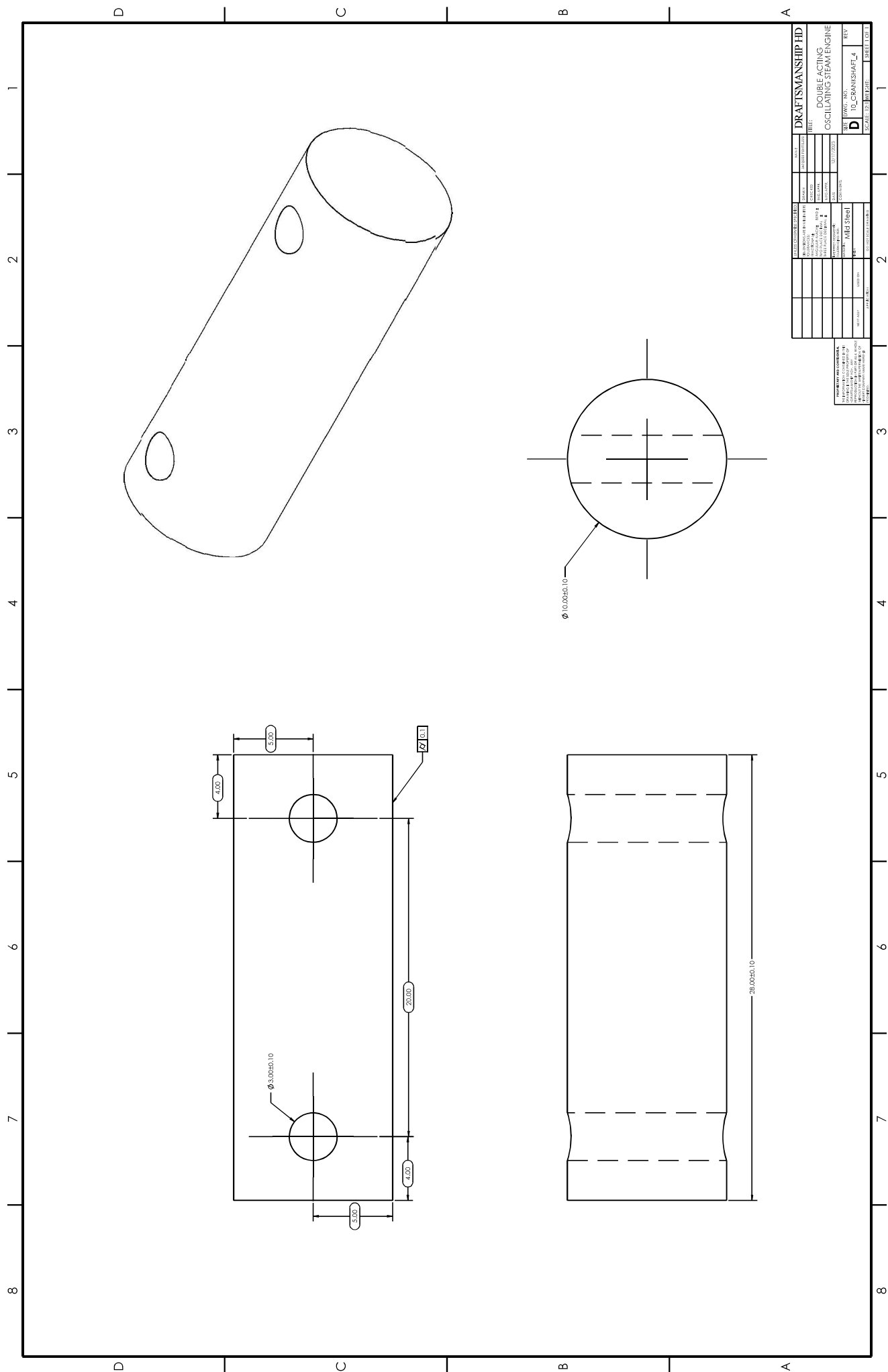
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DATE	12/17/2023	SCALE	1:1
DESIGNED BY	NAME	CHECKED BY	NAME
DRAWN BY	NAME	APPROVED BY	NAME
DATE	12/17/2023	DATE	12/17/2023
REV	DESCRIPTION	DATE	BY
1	DOUBLE ACTING OSCILLATING STEAM ENGINE		
2	NAME PLATE		
3			
4			
5			
6			
7			
8			

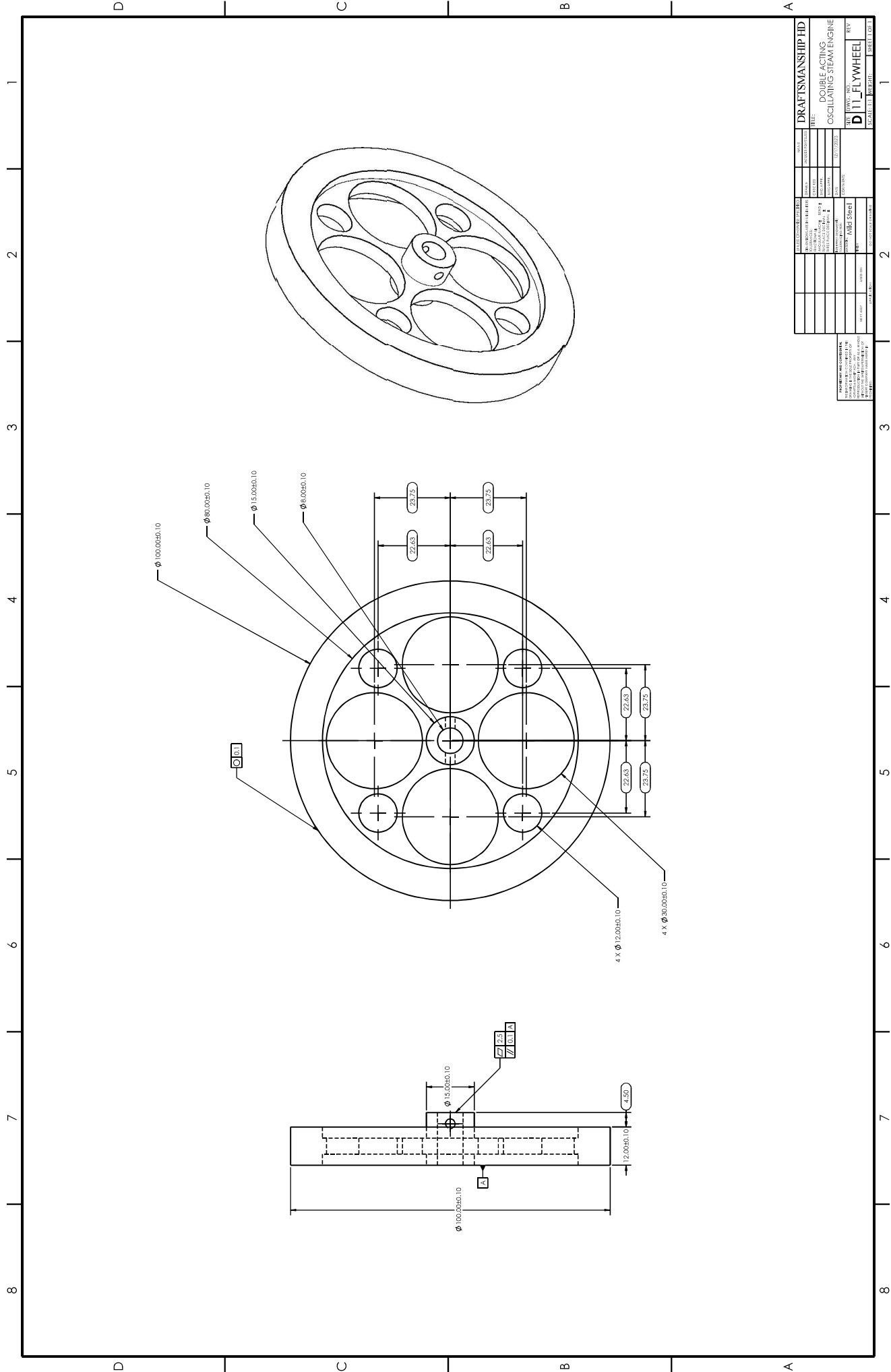
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[illegible]

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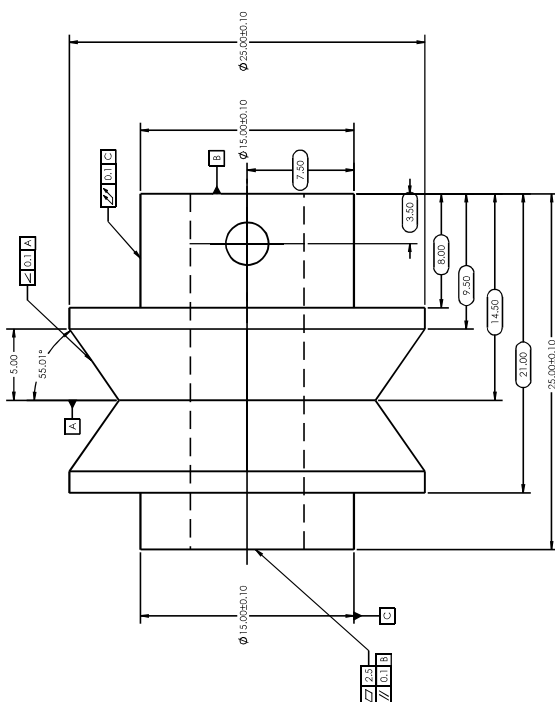




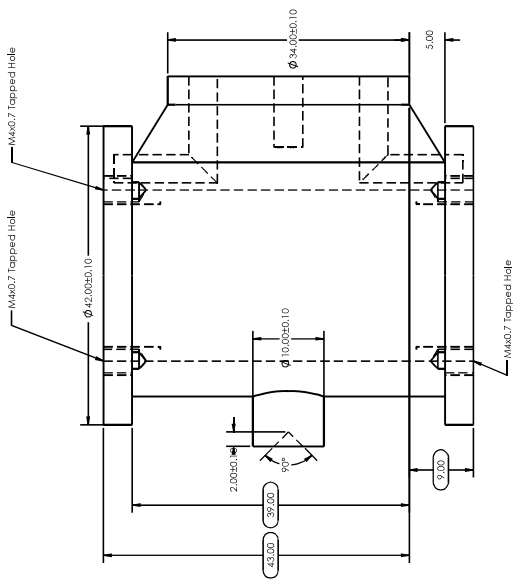
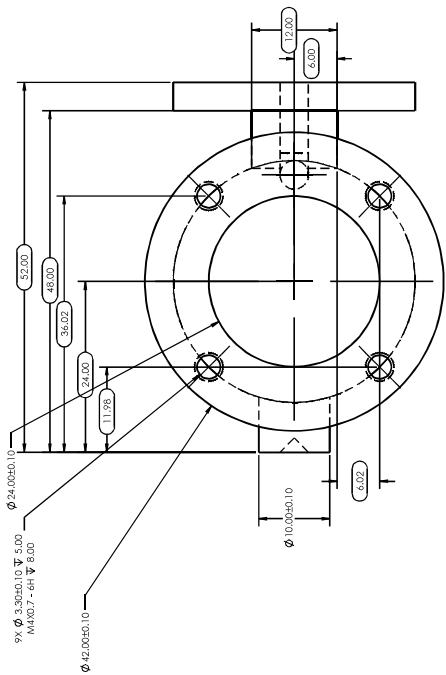
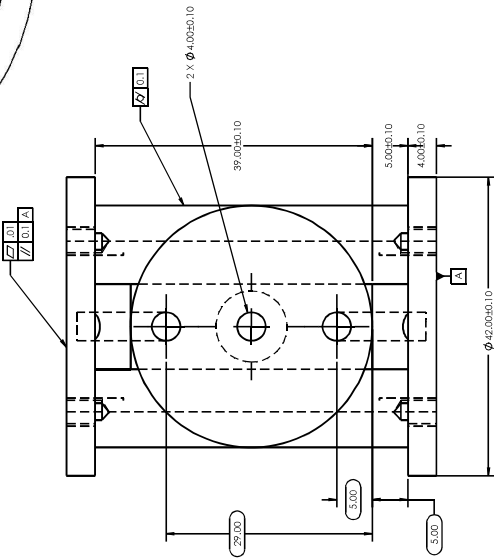
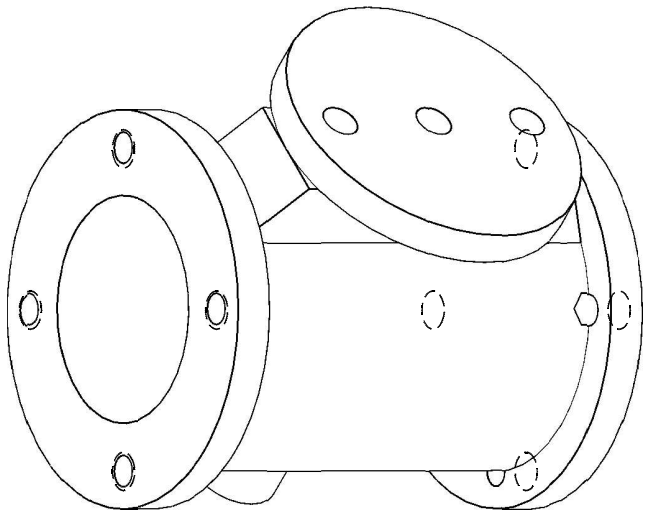


DRAFTSMANSHIP HD	
DATE	12/17/2023
BY	12/17/2023
CHKD	12/17/2023
APPD	12/17/2023
SCALE	1:1
REV	1
DESCRIPTION	DOUBLE ACTING OSCILLATING STEAM ENGINE FLYWHEEL

PROJECT AND COMMENTS
DOUBLE ACTING OSCILLATING STEAM ENGINE FLYWHEEL
12/17/2023

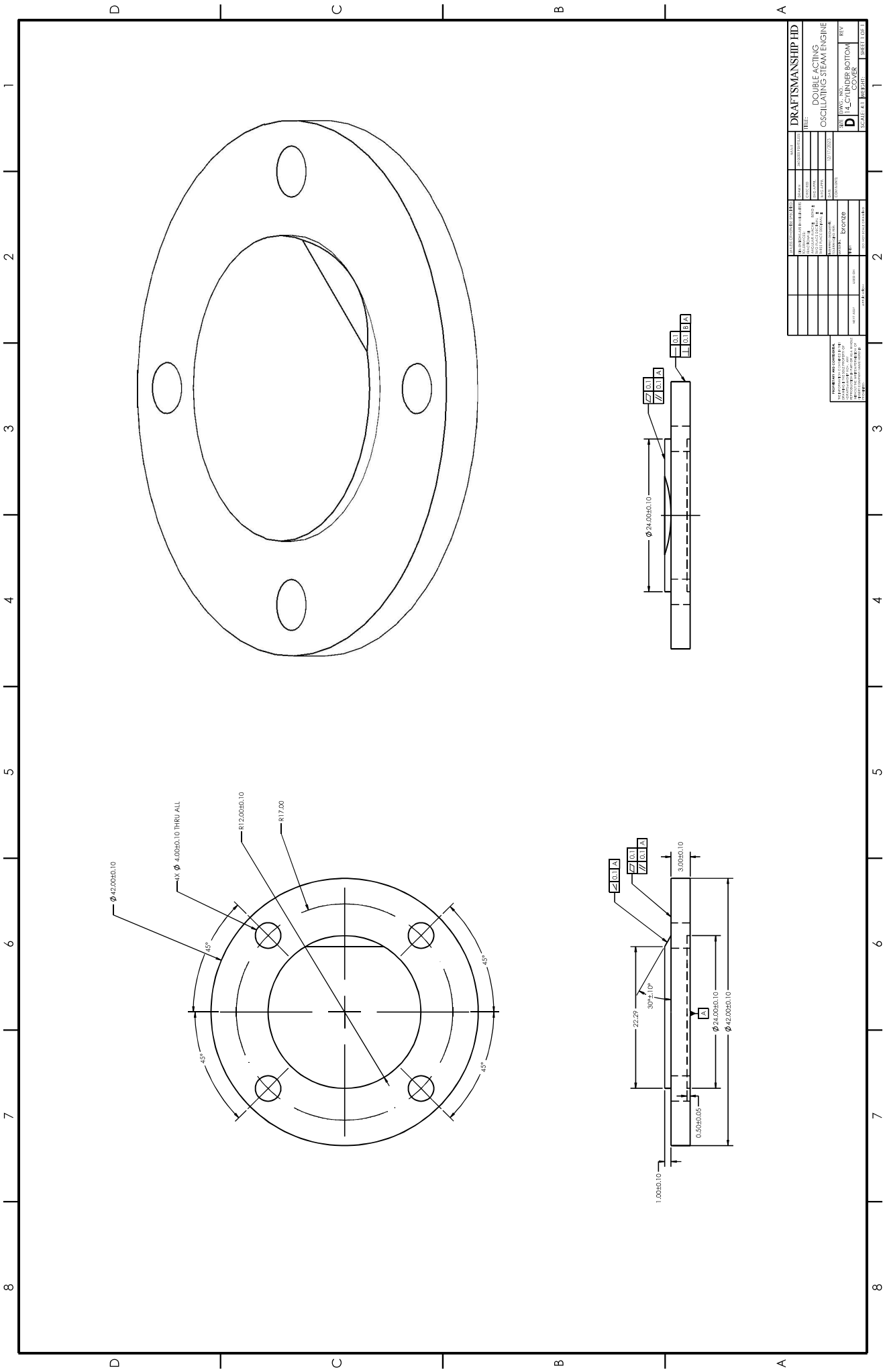
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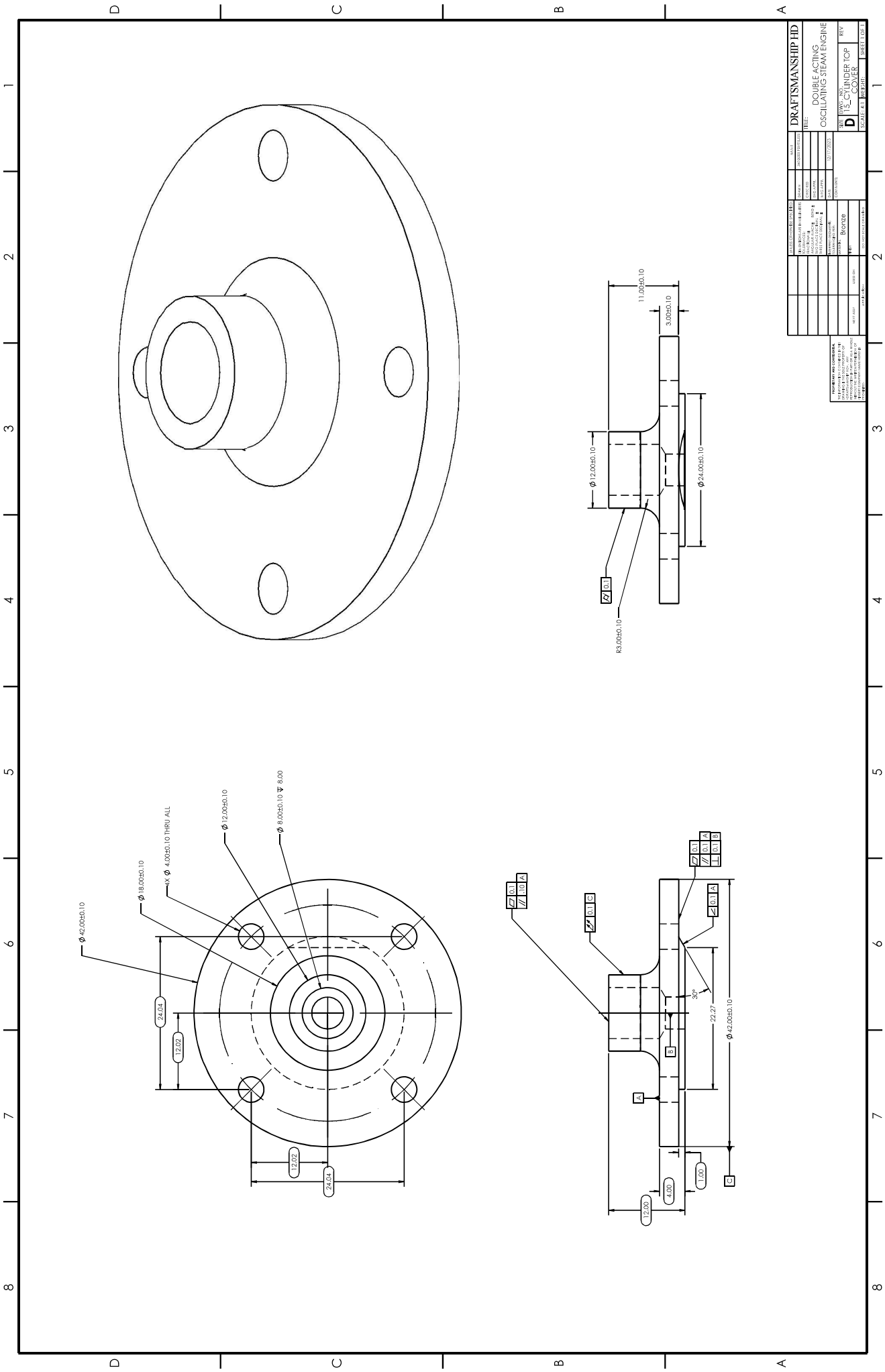
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PROJECT	DOUBLE ACTING OSCILLATING STEAM ENGINE	12/17/2023	1:1	1
DESIGNED BY				
CHECKED BY				
DATE				
SCALE				
SHEET				
REV				

PROJECT AND SHEET INFORMATION
 PROJECT NAME: DOUBLE ACTING OSCILLATING STEAM ENGINE
 SHEET NAME: CYLINDER
 SHEET NUMBER: 1



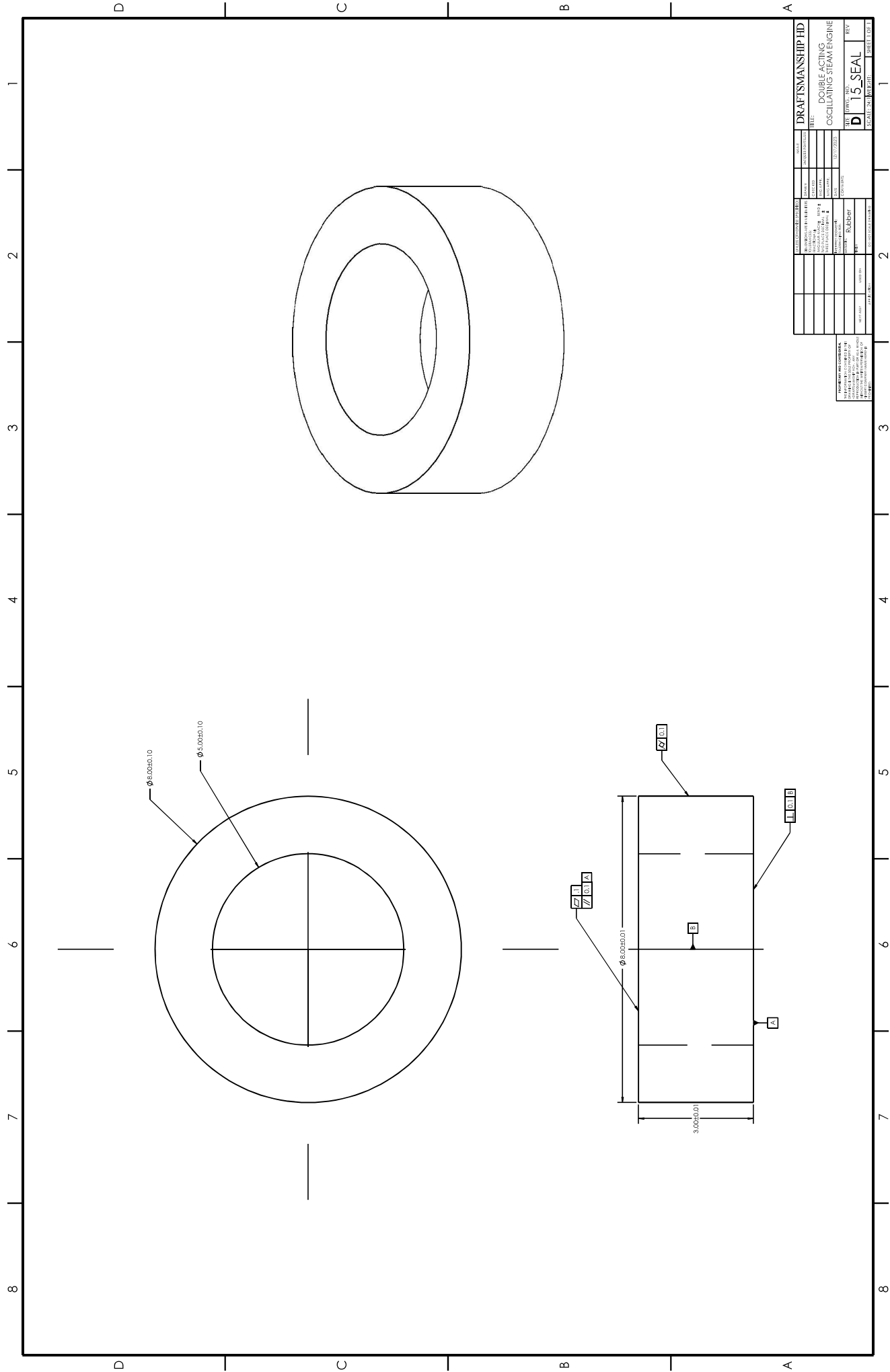
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PROJECT		DESCRIPTION	DOUBLE ACTING OSCILLATING STEAM ENGINE
DRAWN BY		DATE	12/17/2023
CHECKED BY		DATE	
APPROVED BY		DATE	
MATERIAL		BRONZE	
FINISH			
SCALE		1:1	
SHEET NO.		1	
TOTAL SHEETS		1	

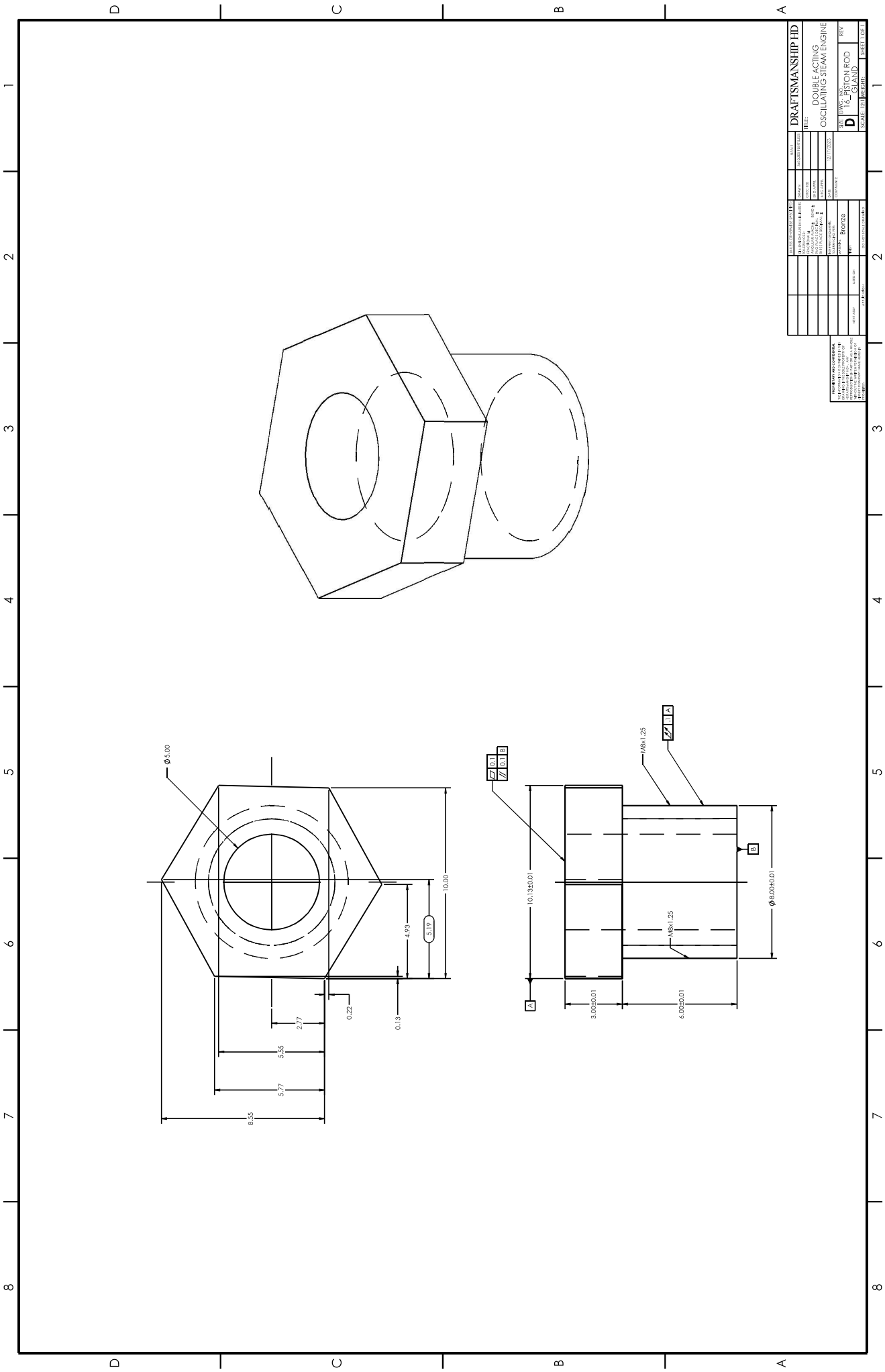
PROJECT AND SHEET INFORMATION
Drawing is to be used for the purpose of
manufacturing and assembly of the
part shown. All dimensions are in inches
unless otherwise specified.



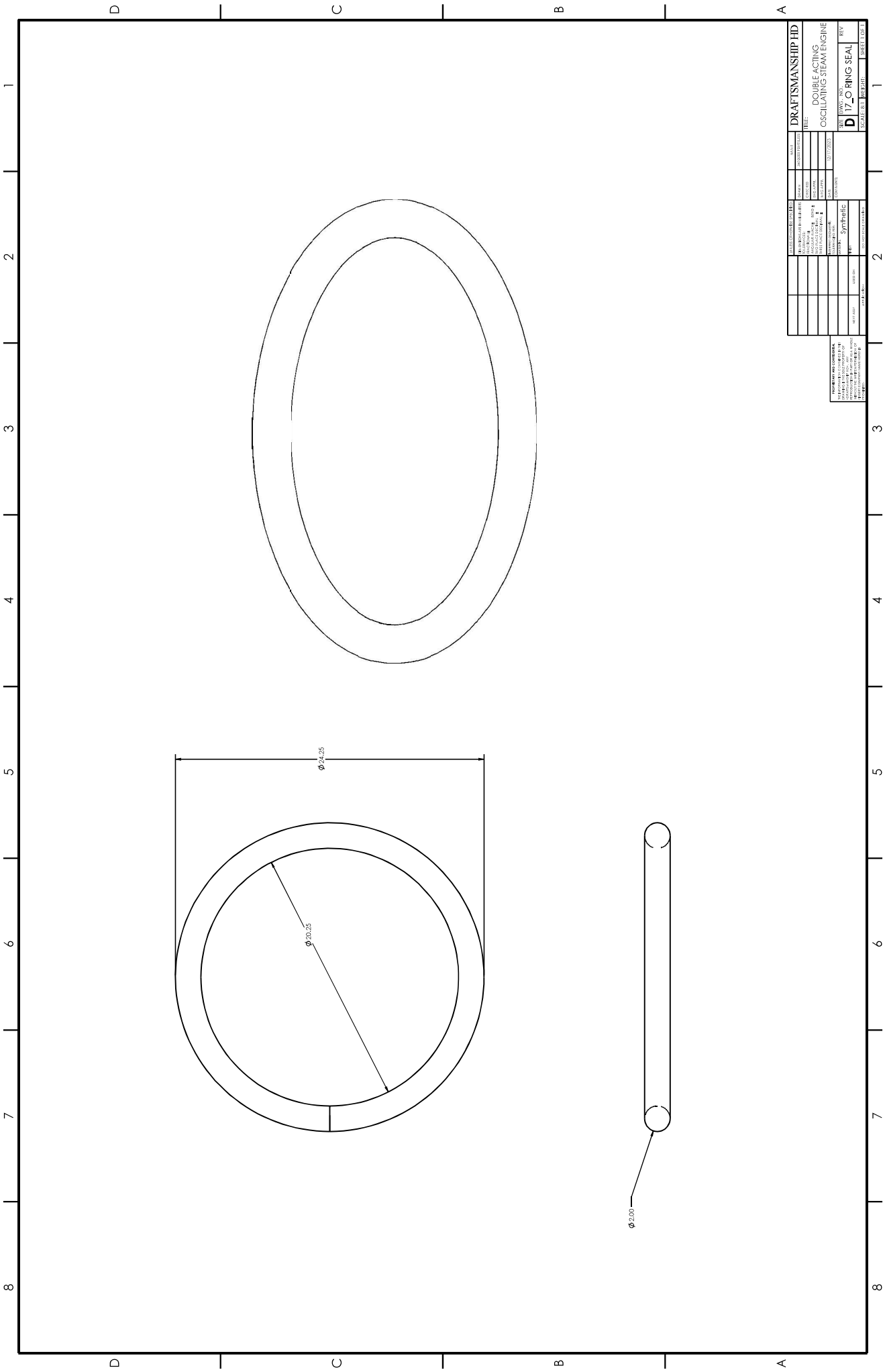
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PROJECT		DESCRIPTION	DOUBLE ACTING OSCILLATING STEAM ENGINE
DRAWN BY		DATE	12/17/2023
CHECKED BY		DATE	
APPROVED BY		DATE	
MATERIAL		BRONZE	
FINISH		UNDER TOP COVER	
SCALE		1:1	

PROVIDED AND CONFIRMED
DATE 12/17/2023 BY [Signature]
DATE 12/17/2023 BY [Signature]





DRAFTSMANSHIP HD			
PROJECT: DOUBLE ACTING OSCILLATING STEAM ENGINE			
DATE: 12/17/2023			
SCALE: 1:1			
REV: 1			
PART: PISTON ROD GLAND			
MATERIAL: BRONZE			
FINISH: 125			
TOLERANCES: UNLESS OTHERWISE SPECIFIED			
DIMENSIONS: ALL DIMENSIONS ARE IN INCHES			
UNLESS OTHERWISE SPECIFIED			
DRAWN BY: [Signature]			
CHECKED BY: [Signature]			
APPROVED BY: [Signature]			



DRAFTSMANSHIP HD			
SHEET			
DOUBLE ACTING OSCILLATING STEAM ENGINE			
DATE 12/17/2023			
SCALE 1/4" = 1"			
REV			
D 1/2 O RING SEAL			
1			

MATERIALS			
SYNTHETIC			
1			

FINISHES			
NONE			
1			

ASSEMBLY			
1			

DRAWING			
1			

CHECKED			
1			

APPROVED			
1			

PROJECT NO. 123456789			
1			

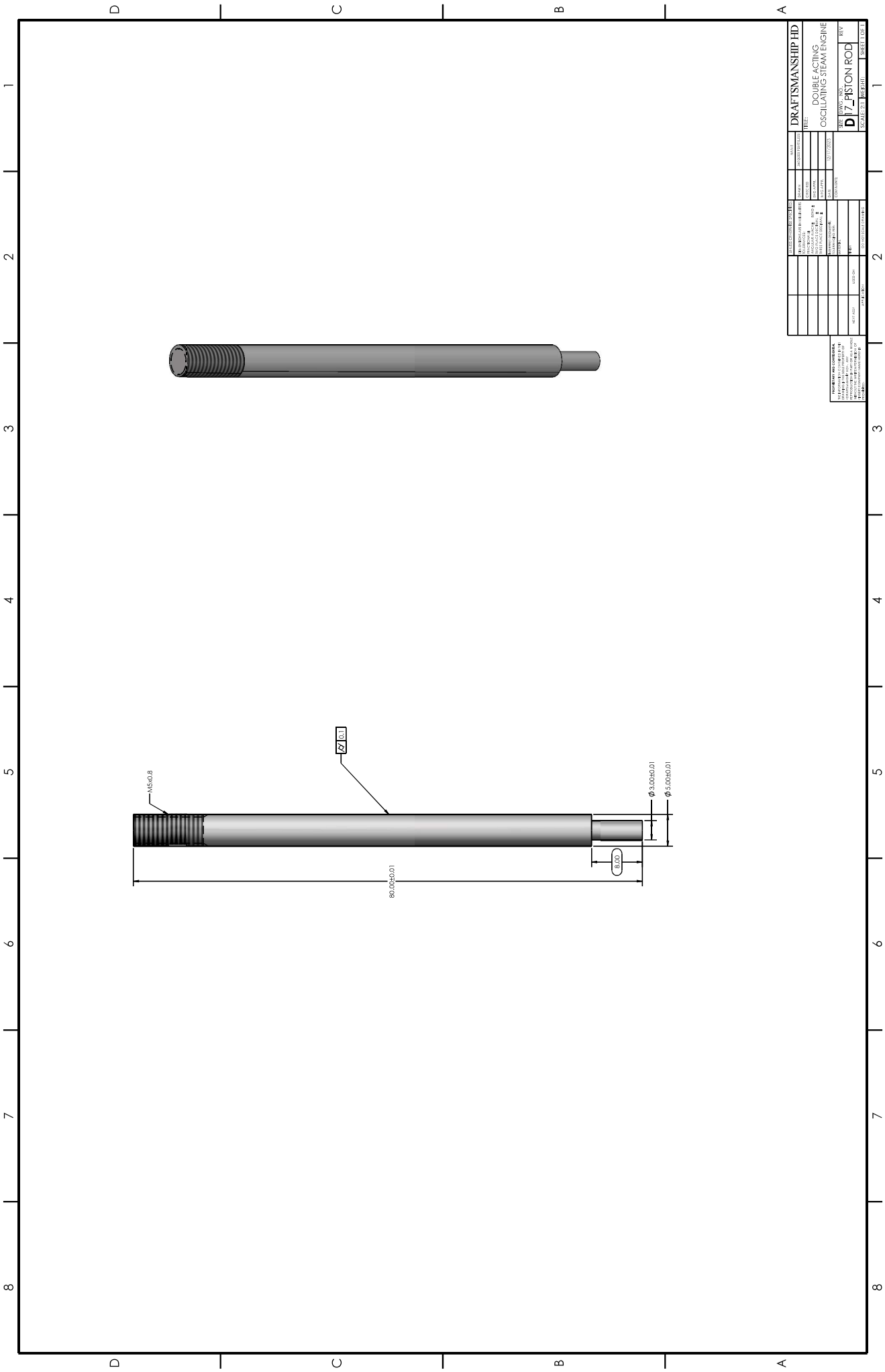
DATE 12/17/2023			
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SCALE 1/4" = 1"			
1			

REV			
1			

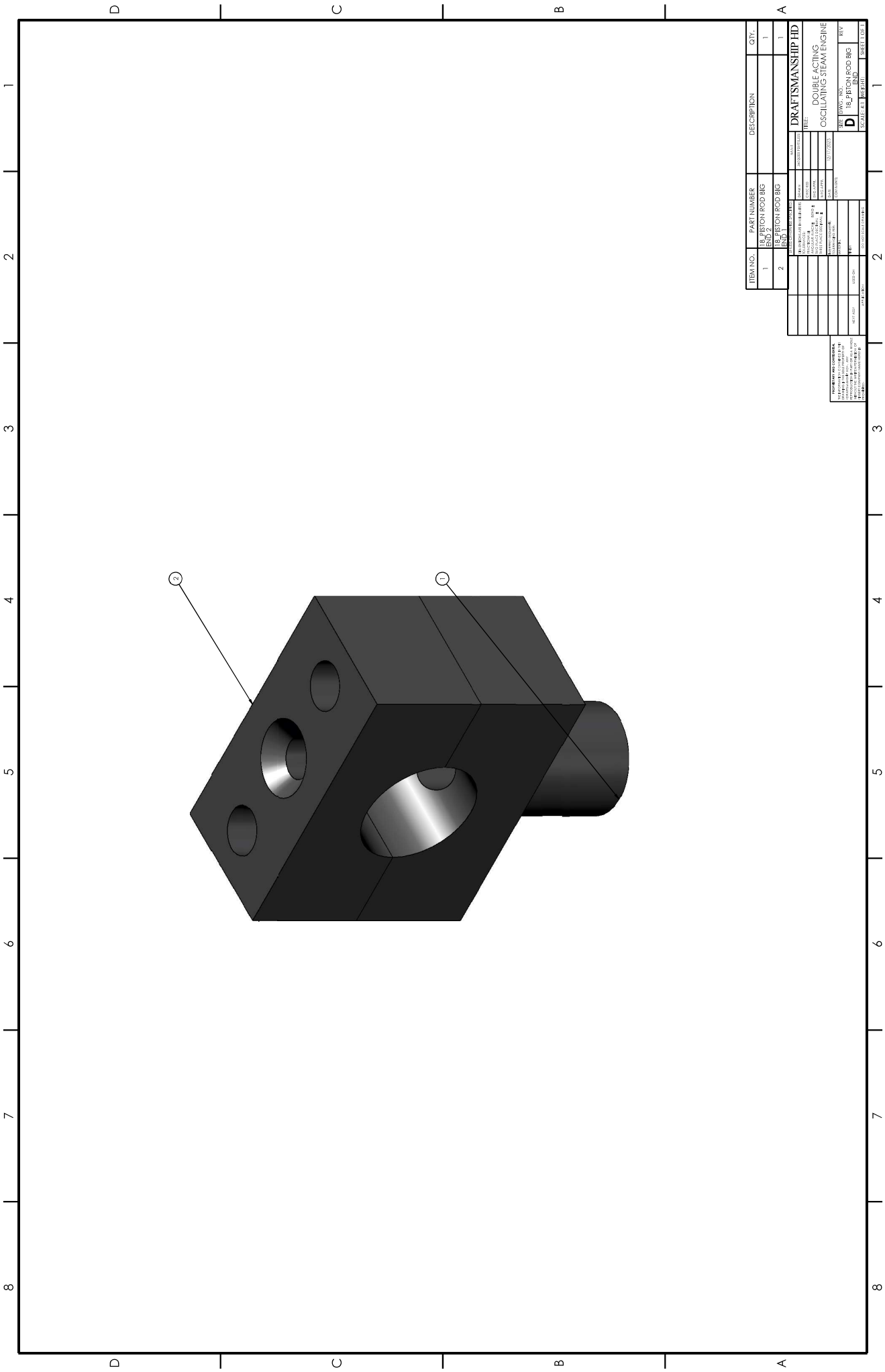
D 1/2 O RING SEAL			
1			

1			
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DRAFTSMANSHIP HD	
DATE	12/17/2023
DESIGNED BY	12/17/2023
CHECKED BY	12/17/2023
APPROVED BY	12/17/2023
SCALE	1:1
DRAFTSMANSHIP HD	
DOUBLE ACTING OSCILLATING STEAM ENGINE	
PISTON ROD	
REV	

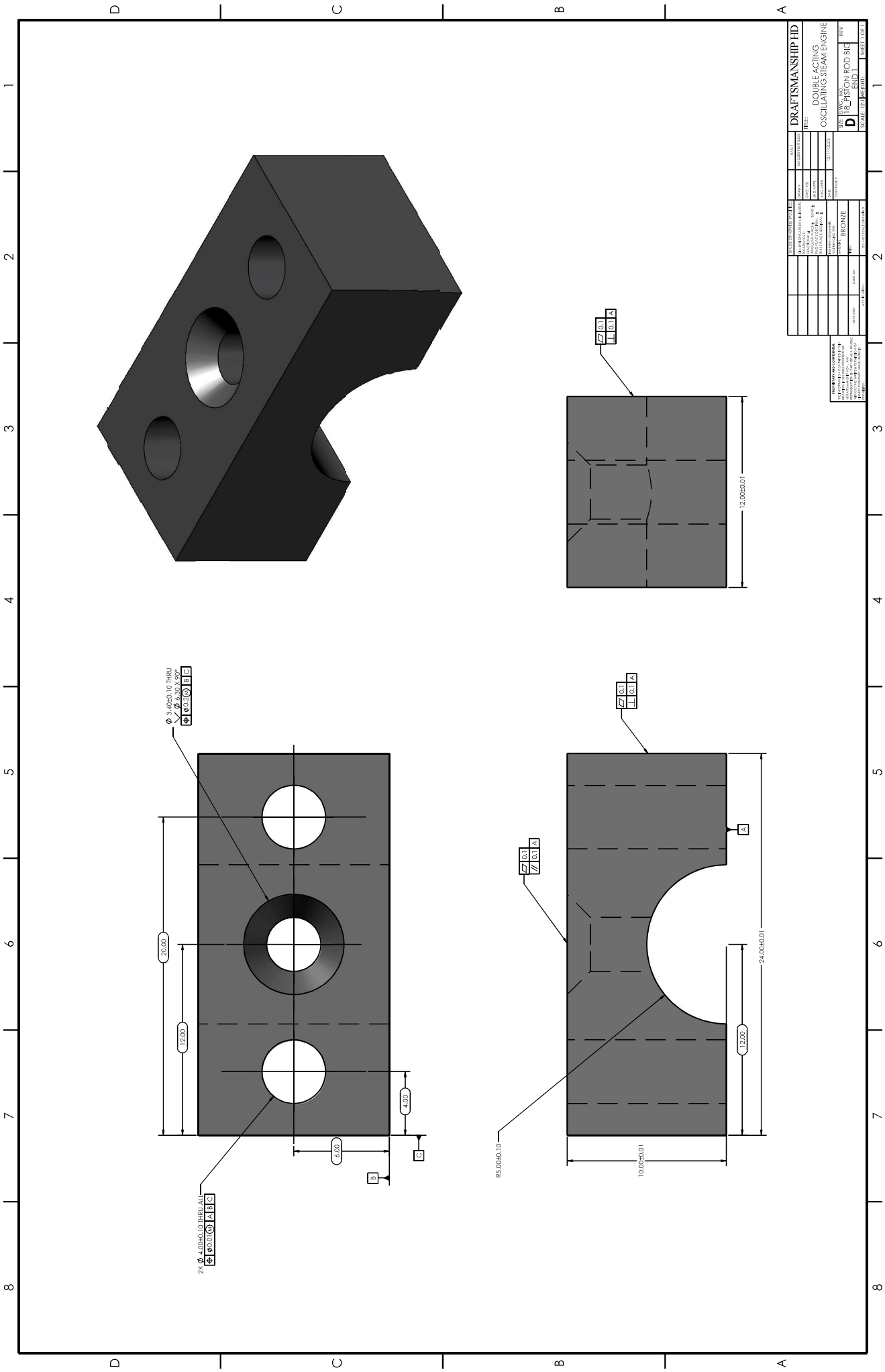
PROVIDED BY THE CUSTOMER
The customer is responsible for the accuracy of the data provided.
The customer is responsible for the accuracy of the data provided.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
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2	8. PISTON ROD BIG END		1

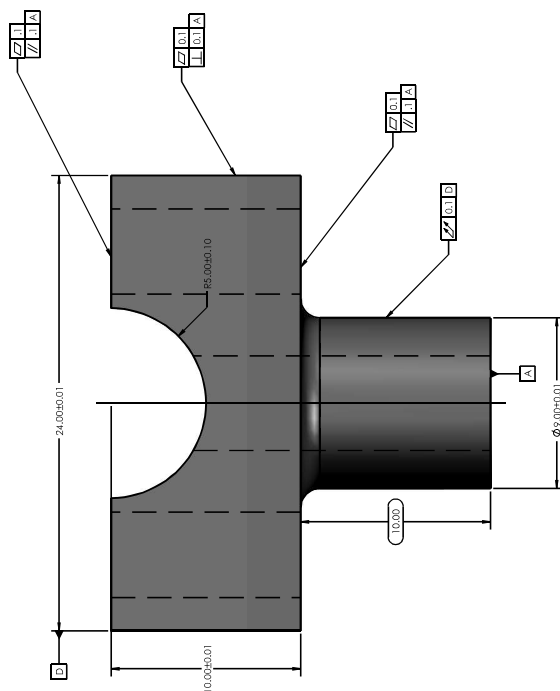
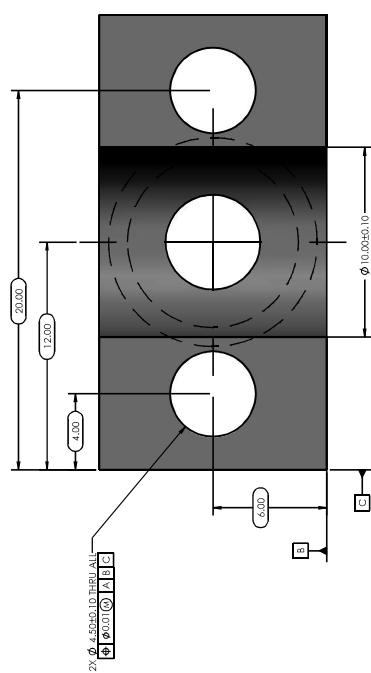
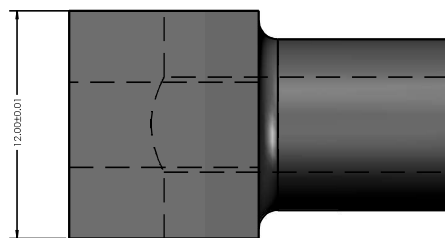
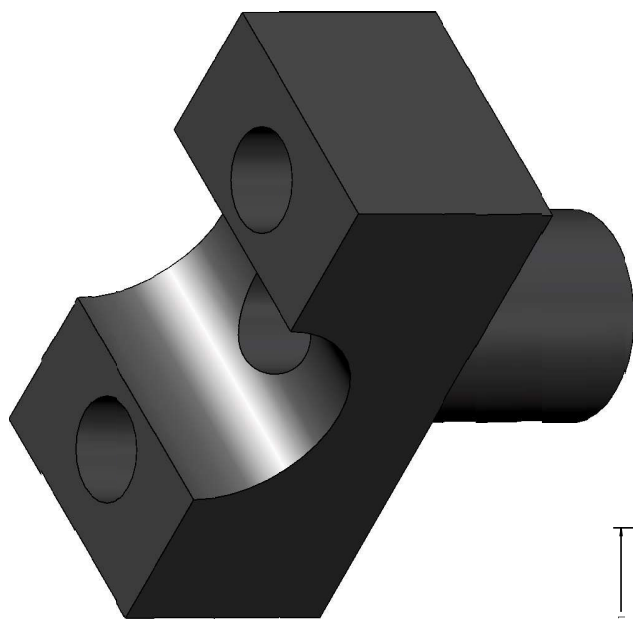
DRAFTSMANSHIP HD	
DATE	12/17/2023
BY	
CHECKED BY	
APPROVED BY	
SCALE	1:1
REV	
1	8. PISTON ROD BIG END

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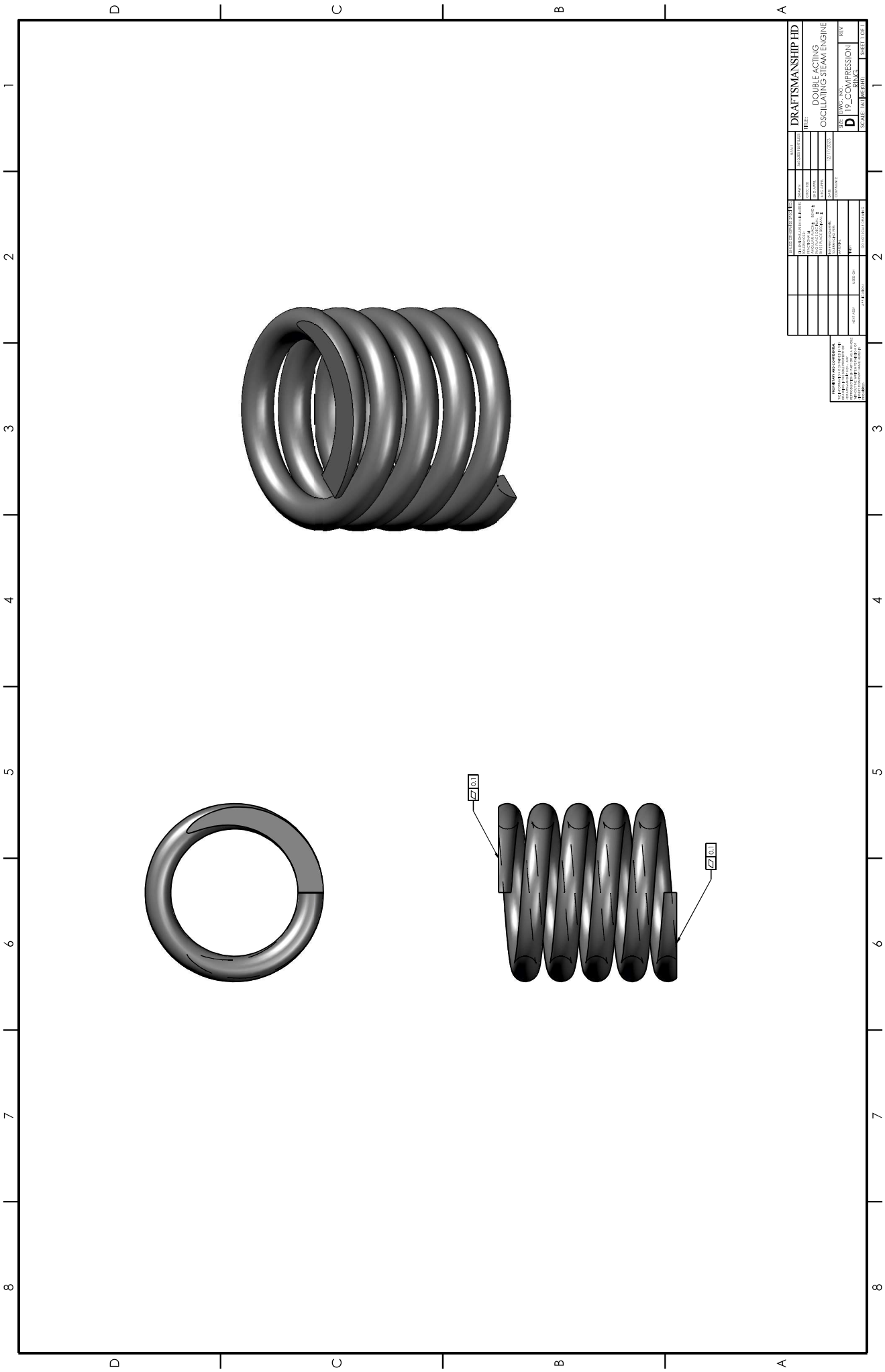


DRAFTSMANSHIP HD		DATE	REVISION
PART NAME: DOUBLE ACTING OSCILLATING STEAM ENGINE		12/12/2021	
PART NO.: 12/12/2021		12/12/2021	
MATERIAL: BRONZE		12/12/2021	
SCALE: 1:1		12/12/2021	
REV		DESCRIPTION	DATE
1	END		

PROVIDED BY: [Name]
CHECKED BY: [Name]
APPROVED BY: [Name]

[illegible]

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DRAFTSMANSHIP HD		DATE	12/17/2023
PROJECT		DATE	12/17/2023
TITLE		DATE	12/17/2023
DESCRIPTION		DATE	12/17/2023
SCALE		DATE	12/17/2023
REVISION		DATE	12/17/2023
DRAWING NO.		DATE	12/17/2023
PROJECT NO.		DATE	12/17/2023
SHEET NO.		DATE	12/17/2023
SHEET TOTAL		DATE	12/17/2023

PROJECT NO. 12/17/2023
 DRAWING NO. 12/17/2023
 SHEET NO. 12/17/2023
 SHEET TOTAL 12/17/2023

DRAFTSMANSHIP HD		DATE	12/17/2023
PROJECT		DATE	12/17/2023
TITLE		DATE	12/17/2023
DESCRIPTION		DATE	12/17/2023
SCALE		DATE	12/17/2023
REVISION		DATE	12/17/2023
DRAWING NO.		DATE	12/17/2023
PROJECT NO.		DATE	12/17/2023
SHEET NO.		DATE	12/17/2023
SHEET TOTAL		DATE	12/17/2023

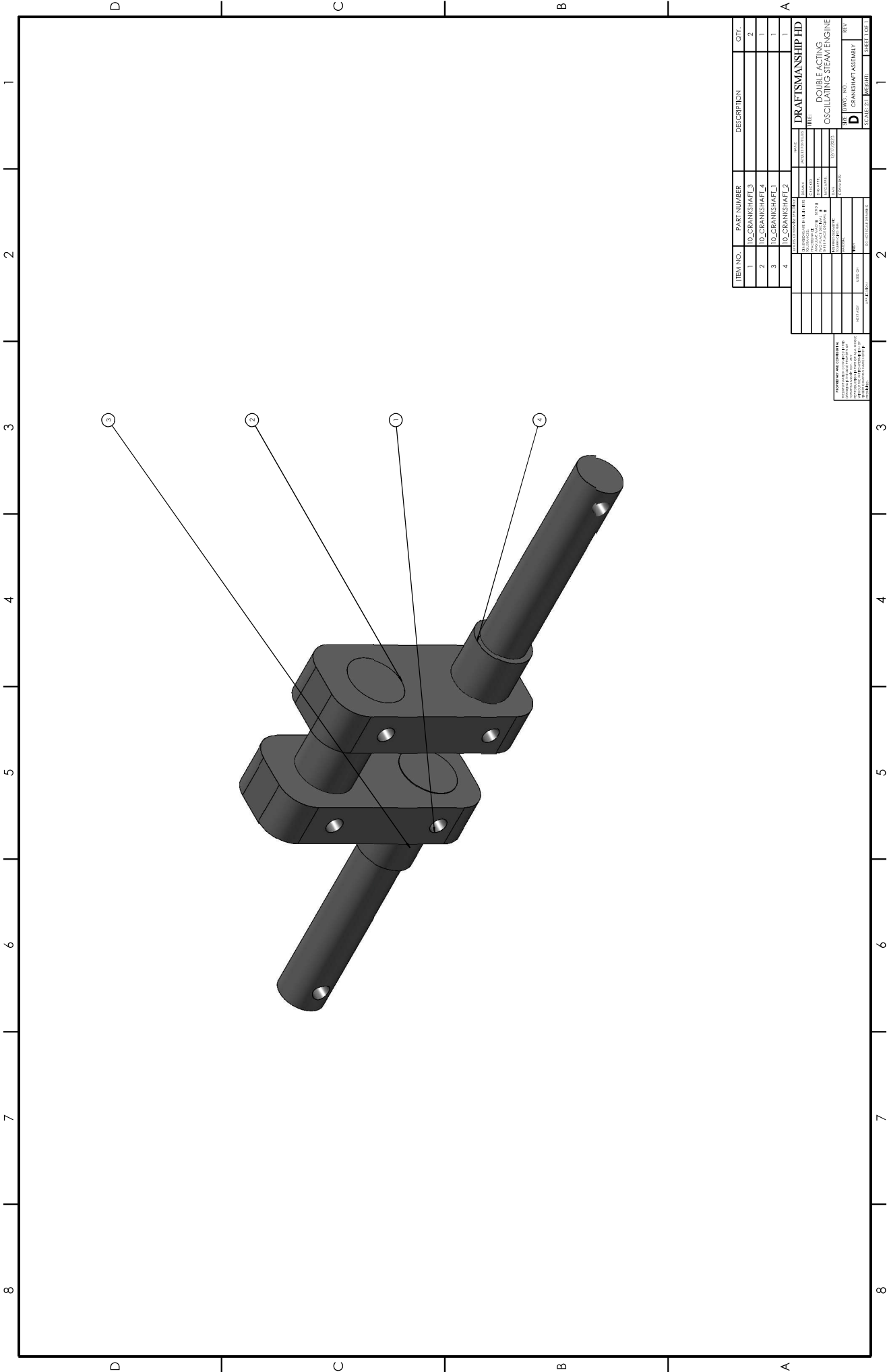
PROJECT NO. 12/17/2023
 DRAWING NO. 12/17/2023
 SHEET NO. 12/17/2023
 SHEET TOTAL 12/17/2023

DRAFTSMANSHIP HD		DATE	12/17/2023
PROJECT		DATE	12/17/2023
TITLE		DATE	12/17/2023
DESCRIPTION		DATE	12/17/2023
SCALE		DATE	12/17/2023
REVISION		DATE	12/17/2023
DRAWING NO.		DATE	12/17/2023
PROJECT NO.		DATE	12/17/2023
SHEET NO.		DATE	12/17/2023
SHEET TOTAL		DATE	12/17/2023

PROJECT NO. 12/17/2023
 DRAWING NO. 12/17/2023
 SHEET NO. 12/17/2023
 SHEET TOTAL 12/17/2023

DRAFTSMANSHIP HD		DATE	12/17/2023
PROJECT		DATE	12/17/2023
TITLE		DATE	12/17/2023
DESCRIPTION		DATE	12/17/2023
SCALE		DATE	12/17/2023
REVISION		DATE	12/17/2023
DRAWING NO.		DATE	12/17/2023
PROJECT NO.		DATE	12/17/2023
SHEET NO.		DATE	12/17/2023
SHEET TOTAL		DATE	12/17/2023

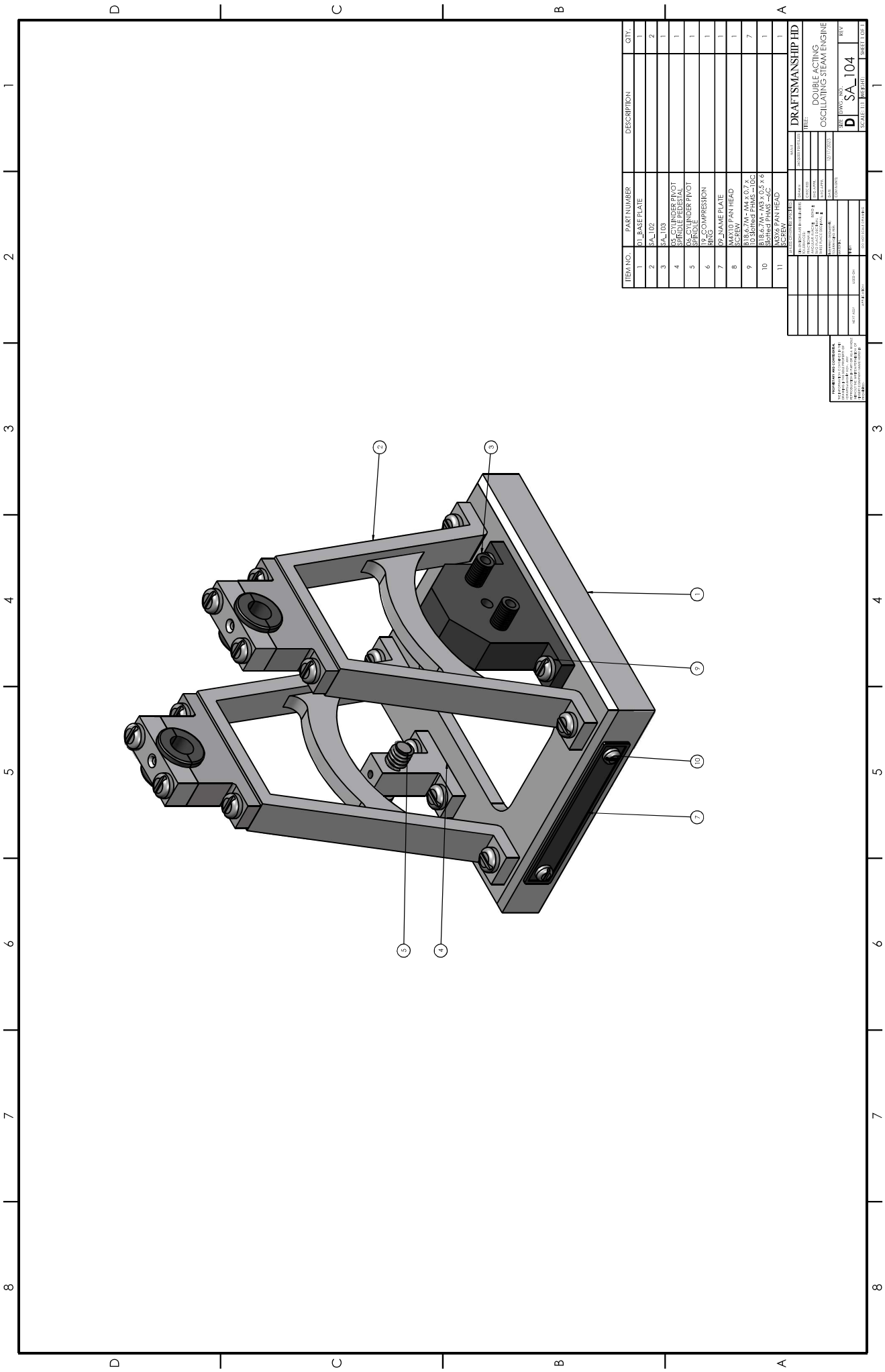
PROJECT NO. 12/17/2023
 DRAWING NO. 12/17/2023
 SHEET NO. 12/17/2023
 SHEET TOTAL 12/17/2023

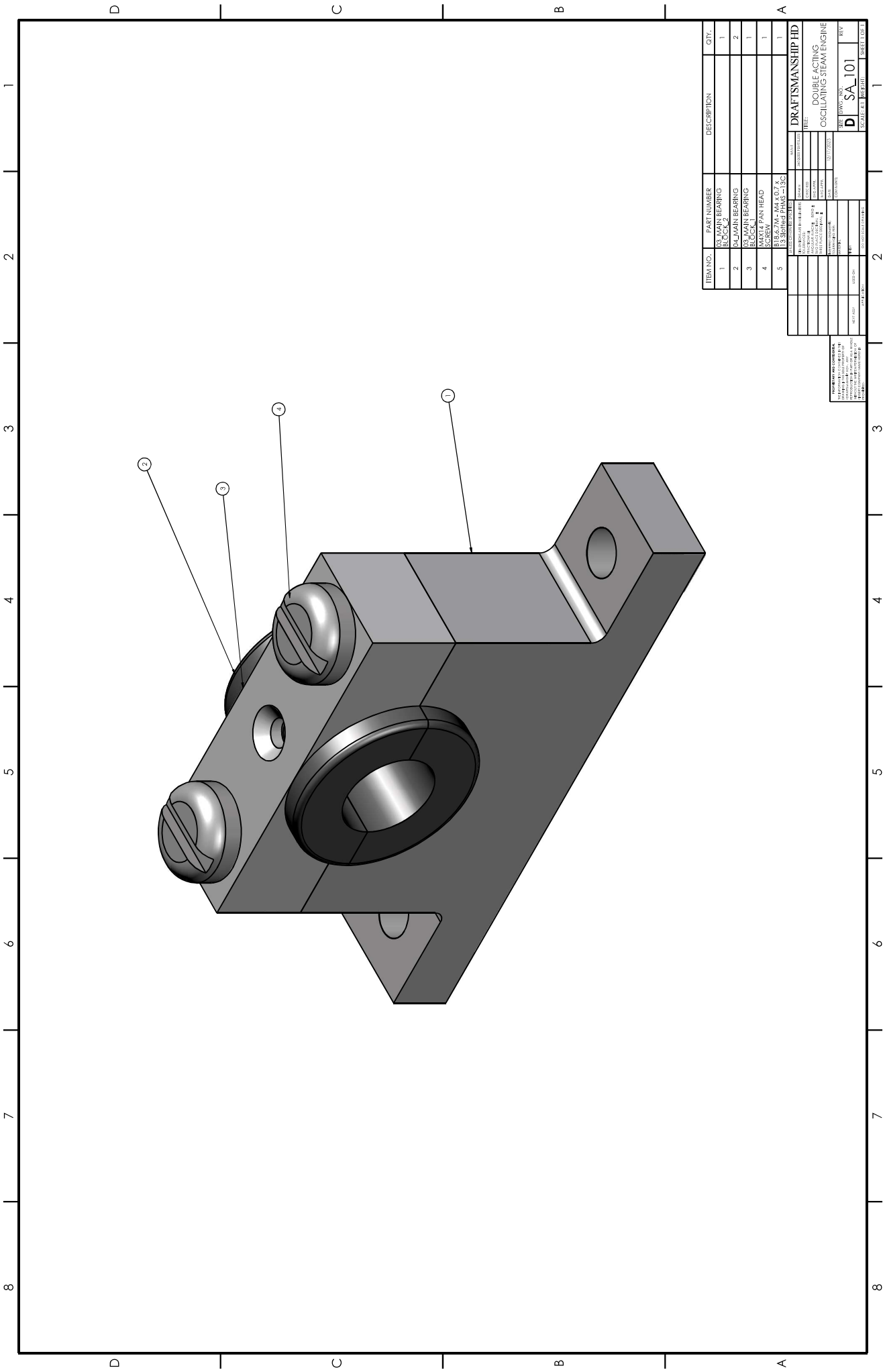


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	10-CRANKSHAFT,3		2
2	10-CRANKSHAFT,4		1
3	10-CRANKSHAFT,1		1
4	10-CRANKSHAFT,2		1

DRAFTSMANSHIP HD	
DATE	12/17/2023
BY	D
CHKD	
APP'D	
SCALE	1:1
CRANKSHAFT ASSEMBLY	

PROJECT AND COMMENTS
DOUBLE ACTING
OSCILLATING STEAM ENGINE
10-CRANKSHAFT,3

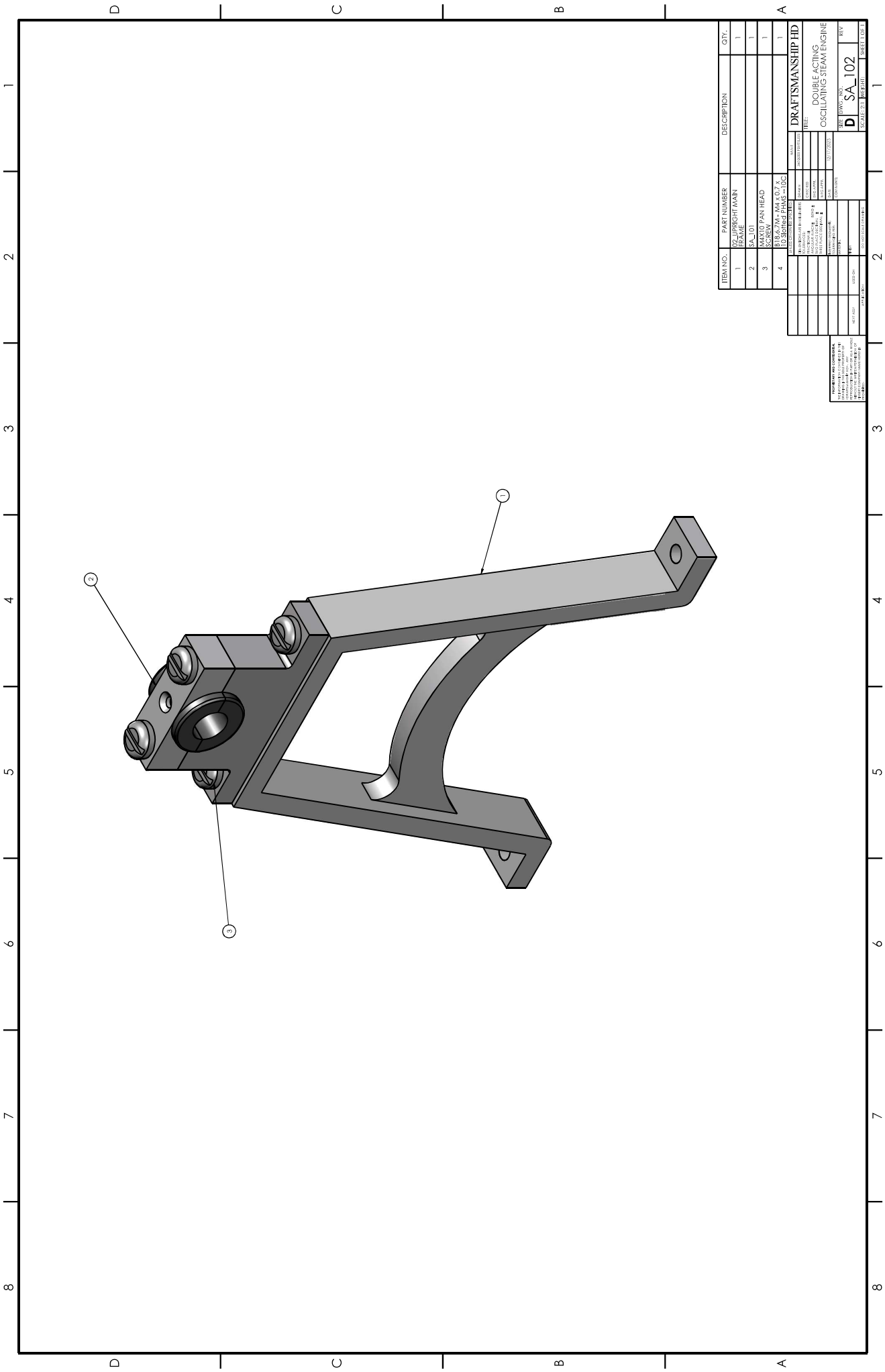




ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	03 MAIN BEARING BLOCK 2		1
2	03 MAIN BEARING		2
3	03 MAIN BEARING		1
4	03 MAIN BEARING		1
5	03 MAIN BEARING		1

DRAFTSMANSHIP HD	
DATE	12/17/2023
BY	SA_101
REV	1

DOUBLE ACTING
OSCILLATING STEAM ENGINE



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	02-100 BRIGHT MAIN		1
2	SA-100		1
3	1/2" X 10" PAN HEAD		1
4	018.67" M-10 X 0.7 X 6		1

DRAFTSMANSHIP HD	
DATE	12/17/2023
BY	SA-102
REV	1

SA-102