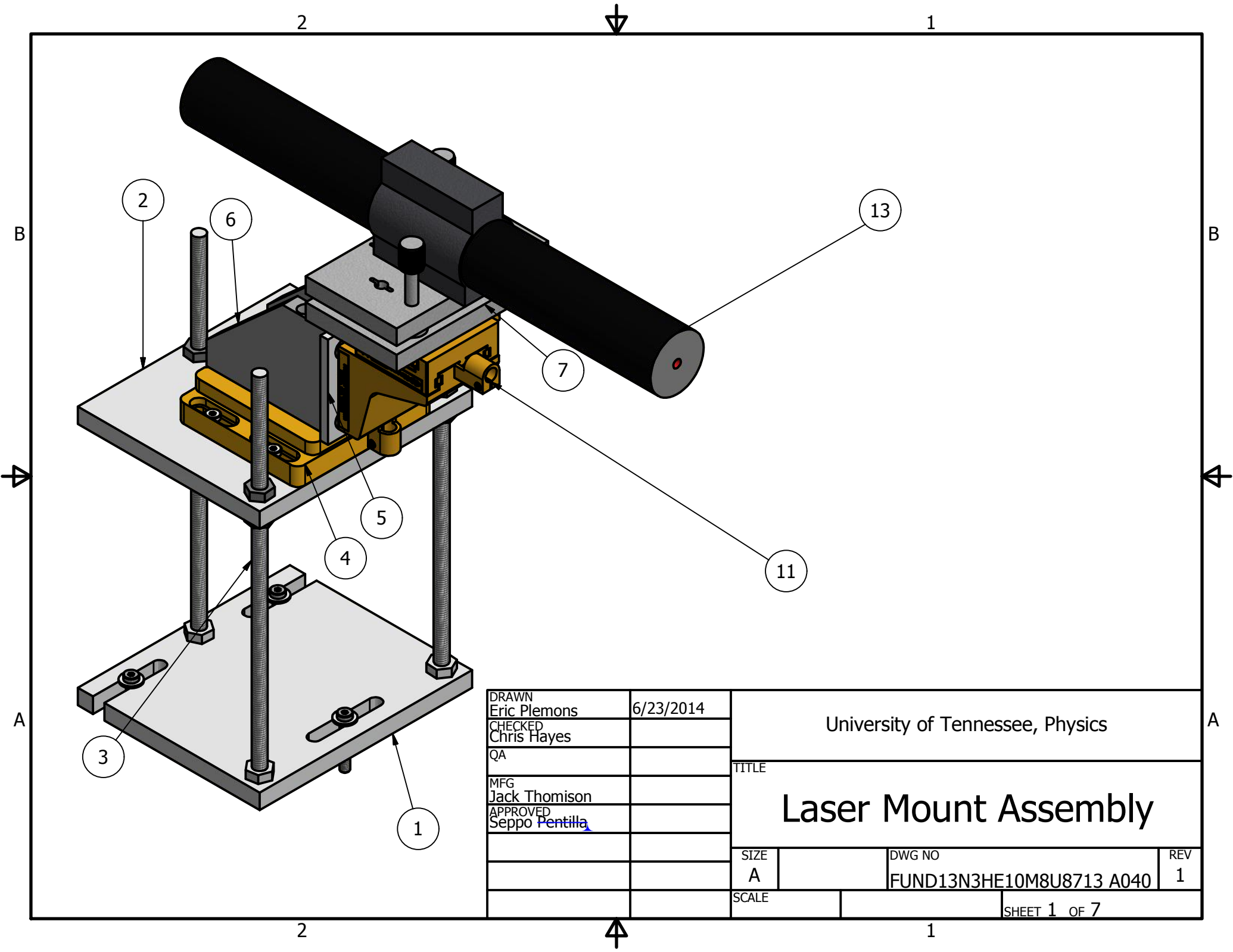




DRAWN Eric Plemons	6/23/2014
CHECKED Chris Hayes	
QA	
MFG Jack Thomison	
APPROVED Seppo Penttila	

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TITLE			
Laser Mount Assembly			
SIZE A		DWG NO FUND13N3HE10M8U8713 A040	REV 1
SCALE		SHEET 1 OF 7	

2



1

1. All dimensions are in inches.
2. All part numbers are from McMaster Carr.

B

B

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	BasePlate	6061-T6 Aluminum
2	1	SupportPlate	6061-T6 aluminum
3	3	94435A314	3/8-16 x 12 6061-T6 Aluminum Support Rod
4	1	BKL-4	Kinematic Mount
5	1	Vertical Mount Plate	6061-T6 Aluminum
6	2	Gusset	6061-T6 Aluminum
7	1	newport_39	Tilt Stage
8	8	98511A630	1/4-20 X 0.75 Aluminum cap head screw
9	4	92451A537	1/4-20 x 0.5 Brass flathead counter sink screws
10	5	98511A610	1/4-20 x 0.5 Aluminium cap head screw
11	1	460A-XYZ	3-Axis Linear Stage
12	9	90670A031	3/8-16 ALUMINUM HEX NUT
13	1	Melles Griot 633 nm	Laser

A

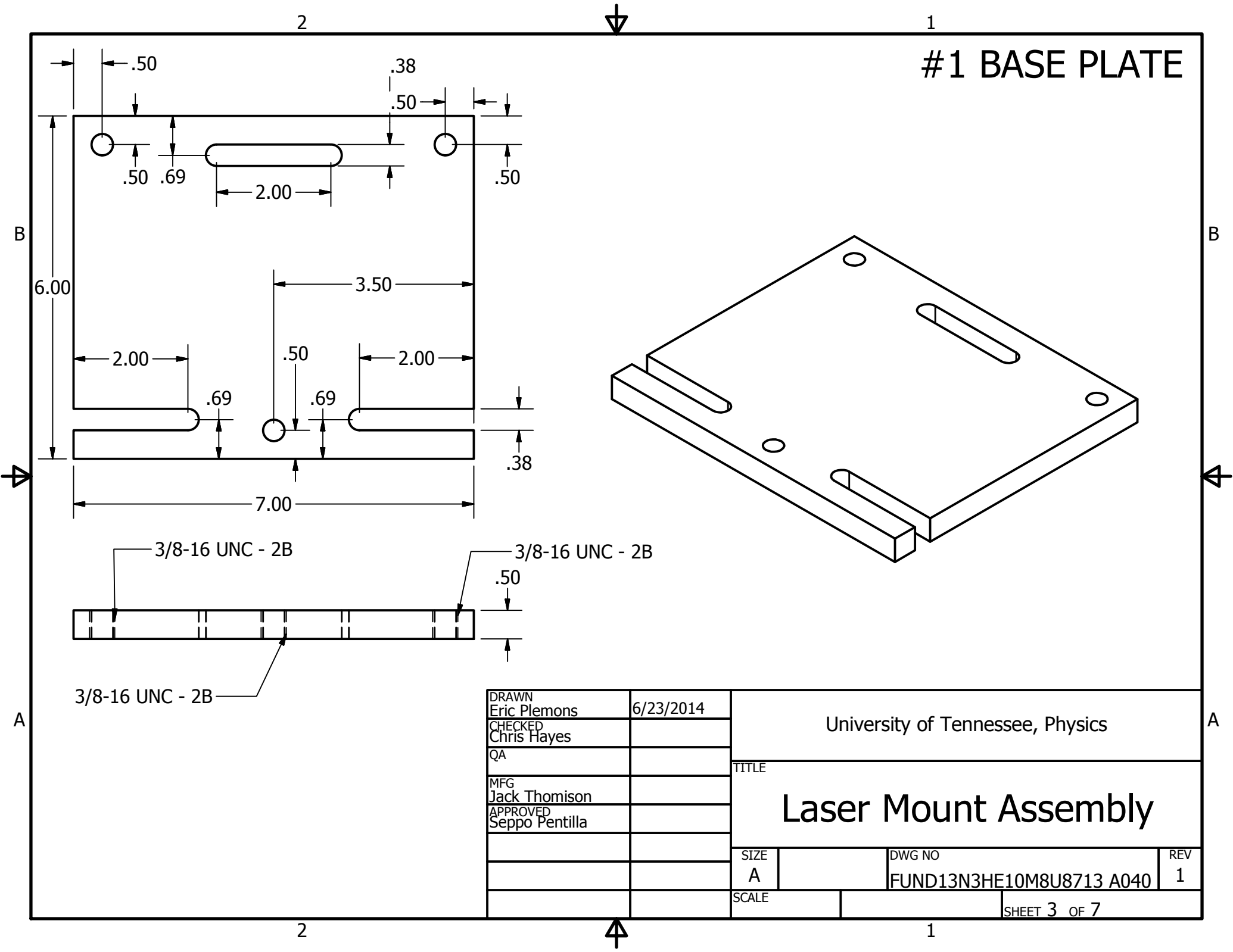
A

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CHECKED Chris Hayes				
QA		TITLE		
MFG Jack Thomison		Laser Mount Assembly		
APPROVED Seppo Pentilla				
		SIZE A	DWG NO FUND13N3HE10M8U8713 A040	REV 1
		SCALE	SHEET 2 OF 7	

2

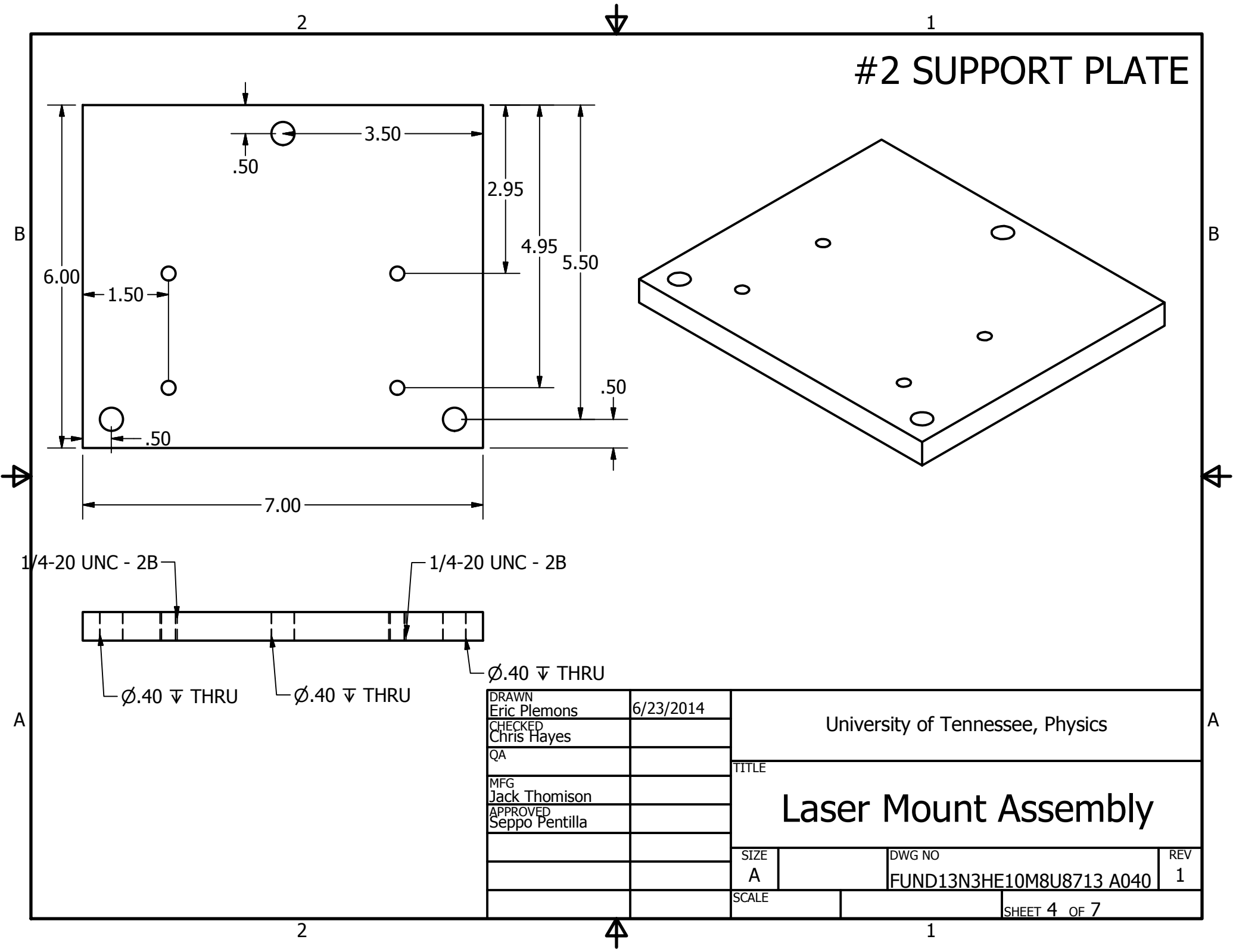


1



#1 BASE PLATE

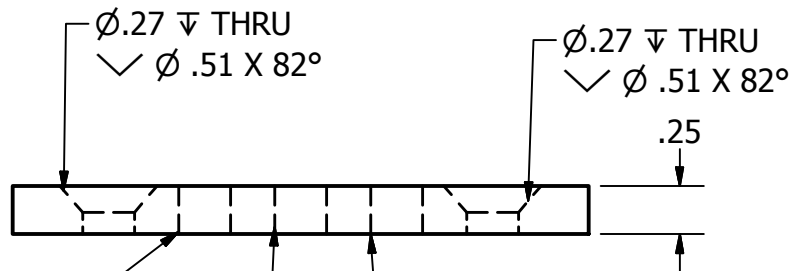
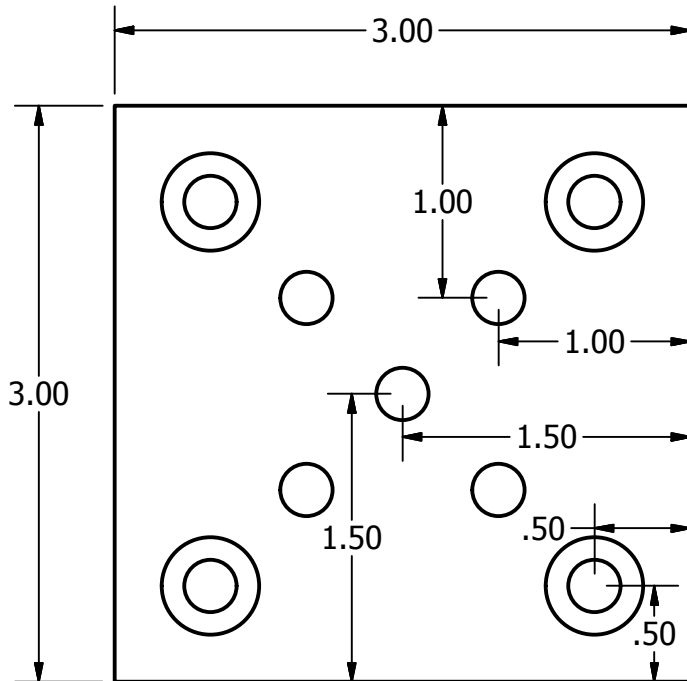
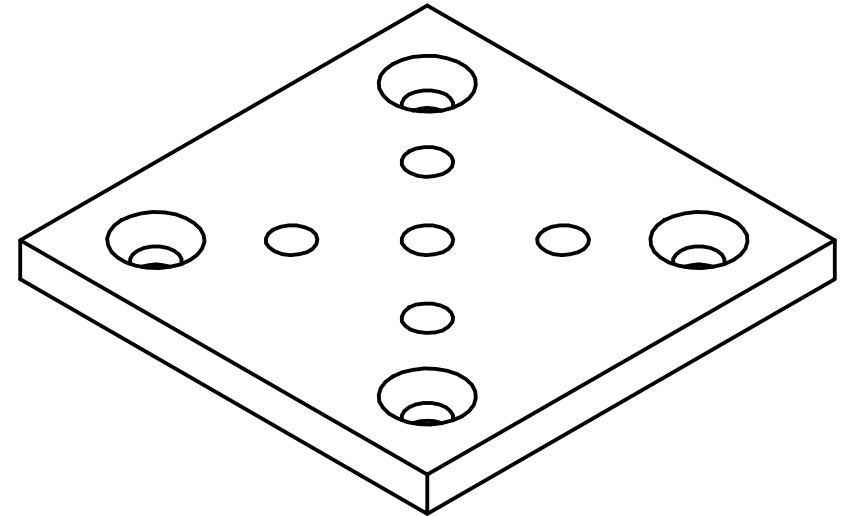
DRAWN Eric Plemons	6/23/2014	University of Tennessee, Physics			
CHECKED Chris Hayes					
QA					
MFG Jack Thomison		TITLE Laser Mount Assembly			
APPROVED Seppo Pentilla					
		SIZE A		DWG NO FUND13N3HE10M8U8713 A040	REV 1
		SCALE		SHEET 3 OF 7	



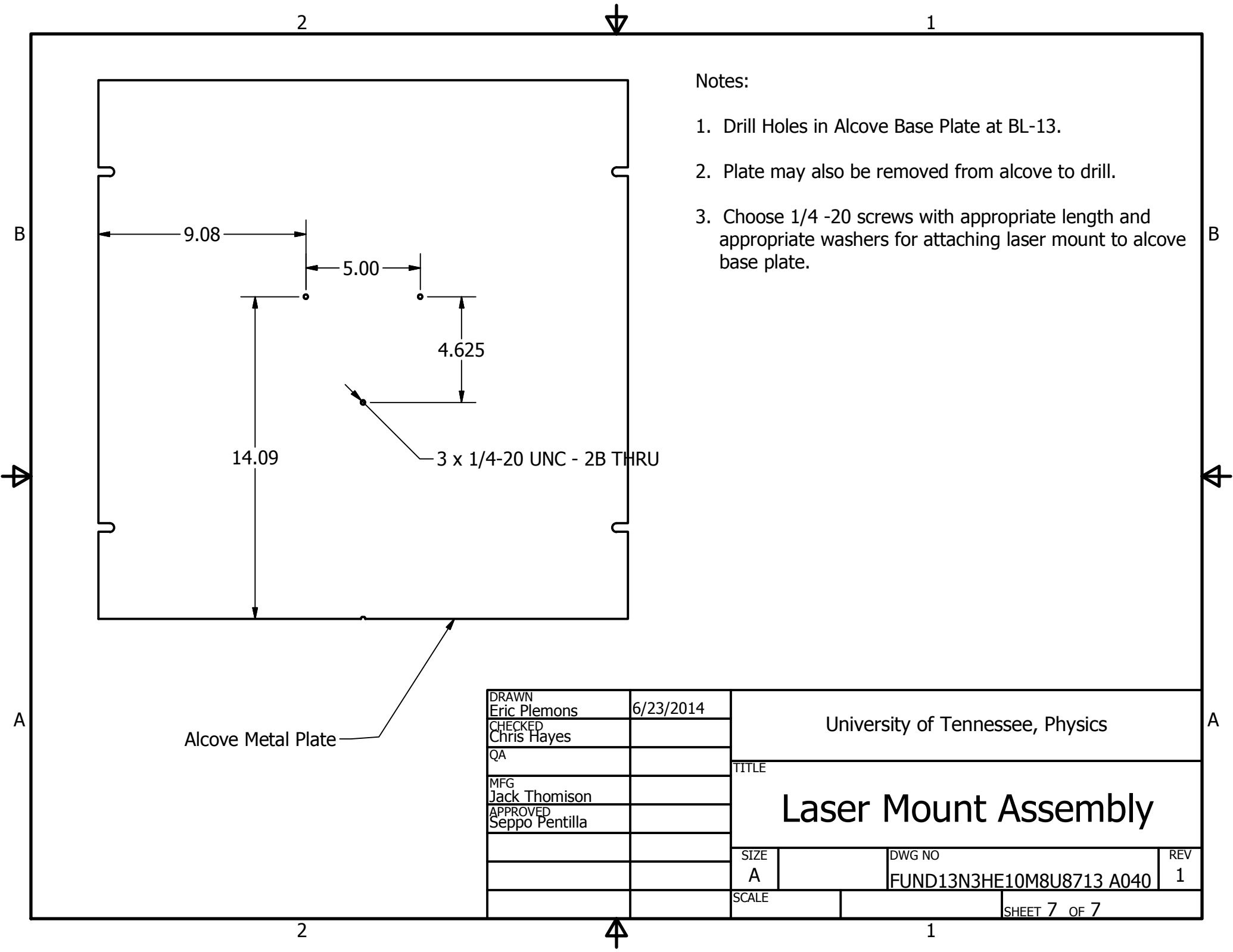
DRAWN Eric Plemons	6/23/2014
CHECKED Chris Hayes	
QA	
MFG Jack Thomison	
APPROVED Seppo Pentilla	

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TITLE			
Laser Mount Assembly			
SIZE A	DWG NO FUND13N3HE10M8U8713 A040	REV 1	
SCALE	SHEET 4 OF 7		

#5 VERTICAL MOUNTING PLATE



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QA				
MFG Jack Thomison		SIZE A		
APPROVED Seppo Pentilla				
		DWG NO	FUND13N3HE10M8U8713 A040	REV 1
		SCALE	SHEET 5 OF 7	



- Notes:
- 1. Drill Holes in Alcove Base Plate at BL-13.
 - 2. Plate may also be removed from alcove to drill.
 - 3. Choose 1/4 -20 screws with appropriate length and appropriate washers for attaching laser mount to alcove base plate.

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CHECKED Chris Hayes				
QA		TITLE		
MFG Jack Thomison		Laser Mount Assembly		
APPROVED Seppo Pentilla				
		SIZE A	DWG NO FUND13N3HE10M8U8713 A040	REV 1
		SCALE	SHEET 7 OF 7	