

4

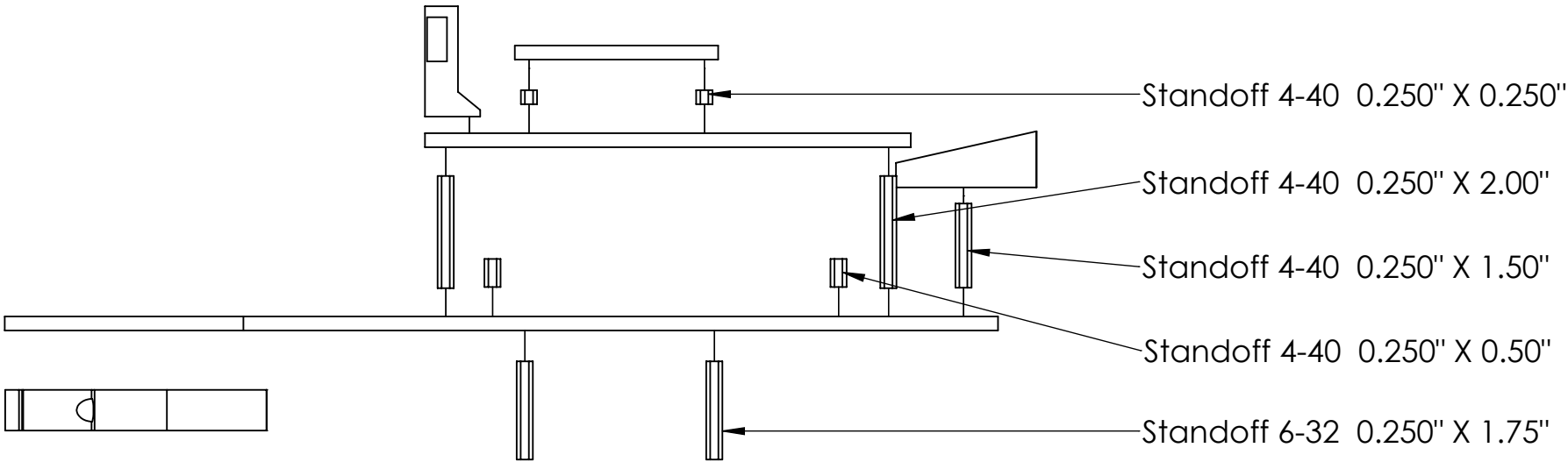
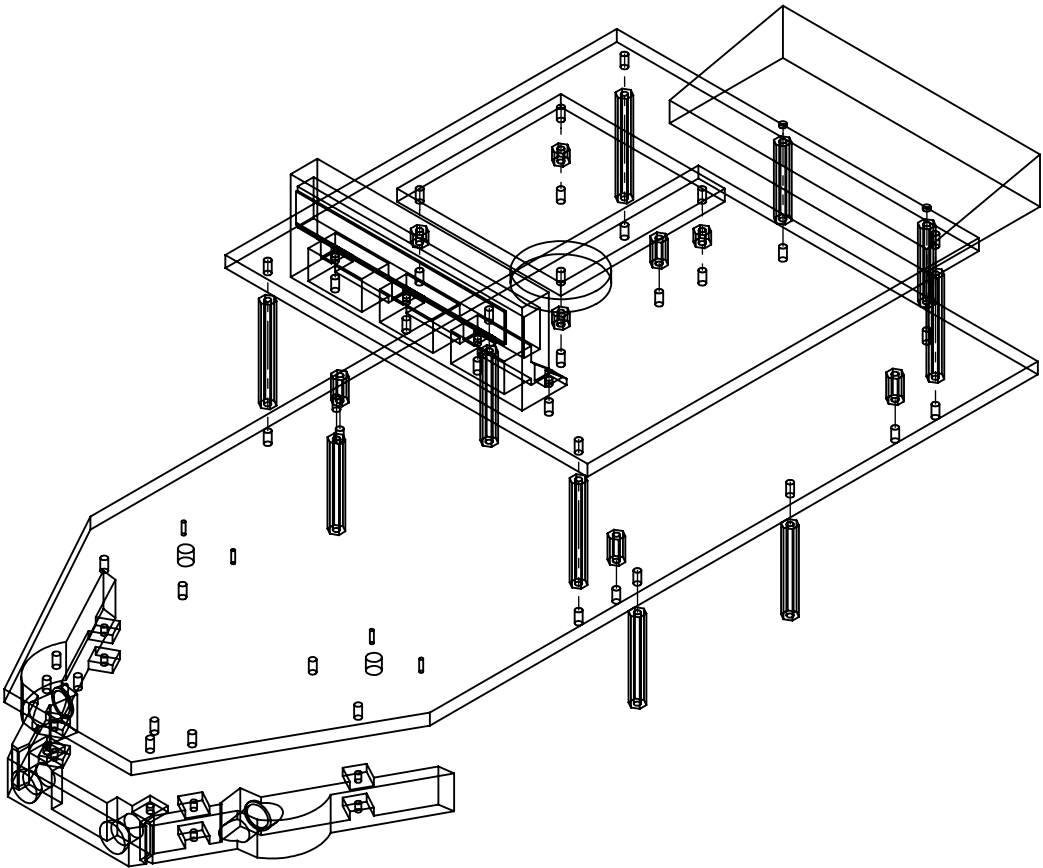
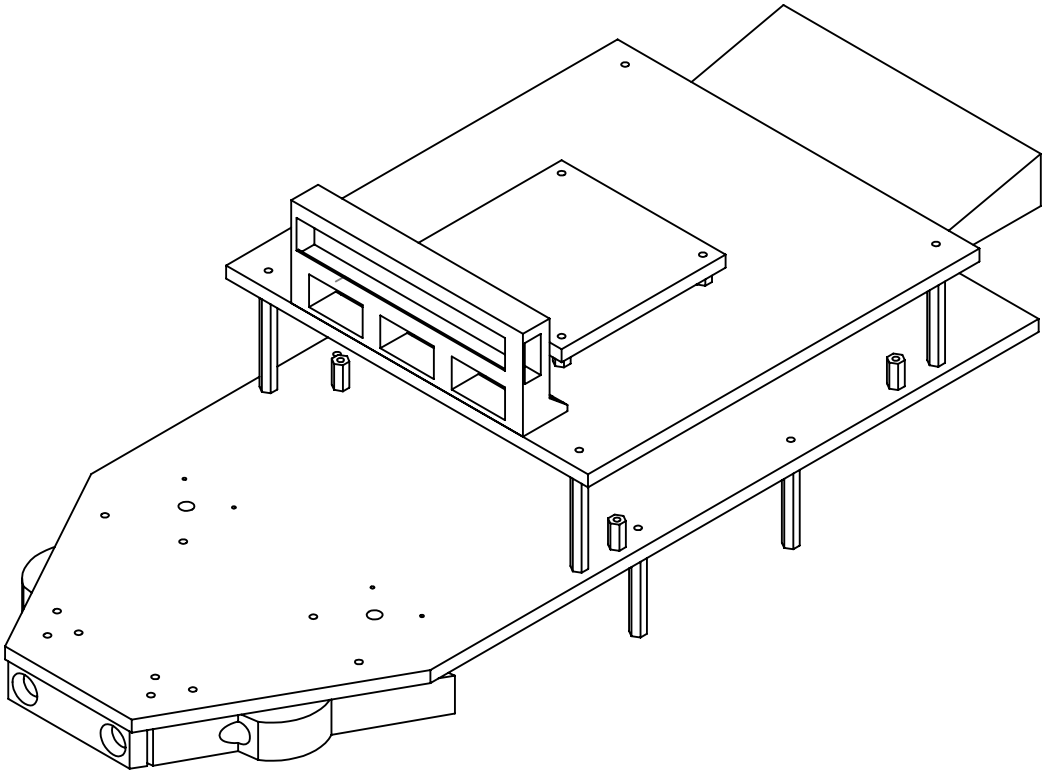
3

2

1

B

B



A

A

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Cherry Autonomous Racecar Assembly		
DIMENSIONS ARE IN INCHES	DRAWN	Daniel Tobias				
	CHECKED					
	ENG APPR.					
INTERPRET GEOMETRIC TOLERANCING PER:	MFG APPR.			SIZE DWG. NO. REV		
	Q.A.					
MATERIAL ABS Plastic 1/4" Thick	COMMENTS:			SCALE 1:3 WEIGHT: SHEET 1 OF 10		
FINISH						
DO NOT SCALE DRAWING						

4

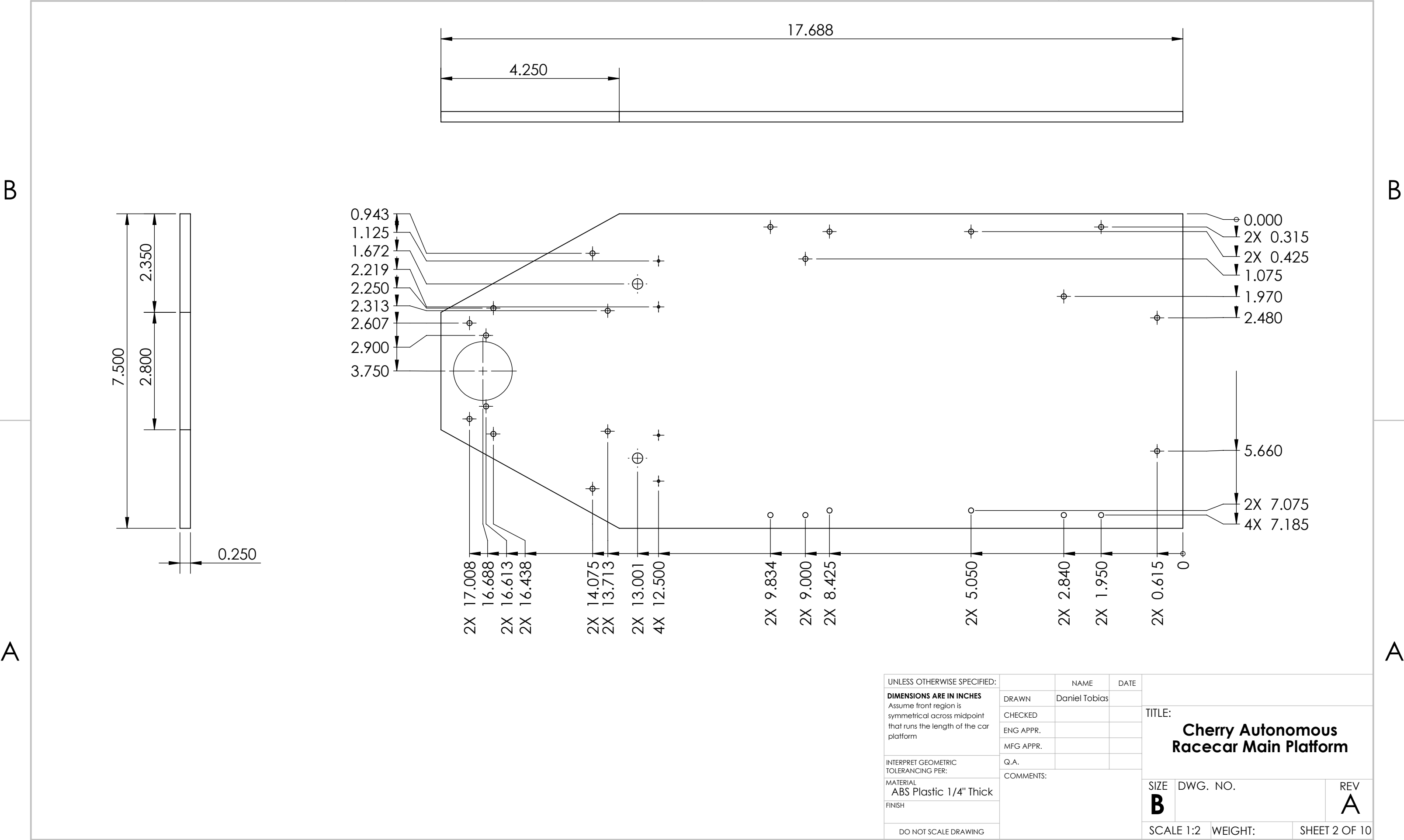
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1

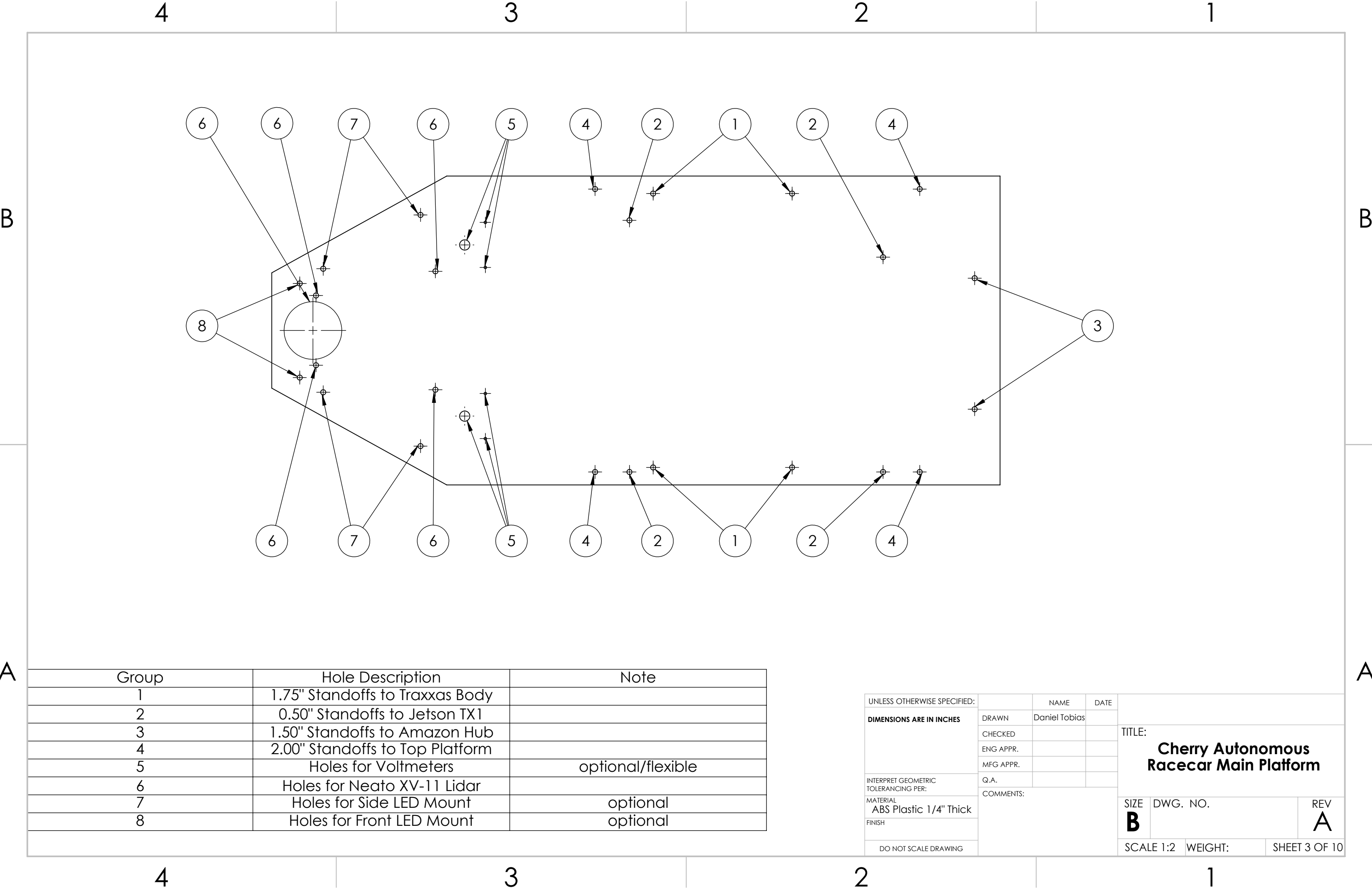
A

B



A

B



Group	Hole Description	Note
1	1.75" Standoffs to Traxxas Body	
2	0.50" Standoffs to Jetson TX1	
3	1.50" Standoffs to Amazon Hub	
4	2.00" Standoffs to Top Platform	
5	Holes for Voltmeters	optional/flexible
6	Holes for Neato XV-11 Lidar	
7	Holes for Side LED Mount	optional
8	Holes for Front LED Mount	optional

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	<div>TITLE:</div> <div>Cherry Autonomous Racecar Main Platform</div>		
DIMENSIONS ARE IN INCHES	DRAWN	Daniel Tobias				
	CHECKED					
	ENG APPR.					
	MFG APPR.					
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			<div>SIZE</div> <div>B</div> <div>DWG. NO.</div> <div>REV</div> <div>A</div>		
MATERIAL	COMMENTS:					
ABS Plastic 1/4" Thick						
FINISH						
DO NOT SCALE DRAWING		SCALE 1:2			WEIGHT:	SHEET 3 OF 10

4

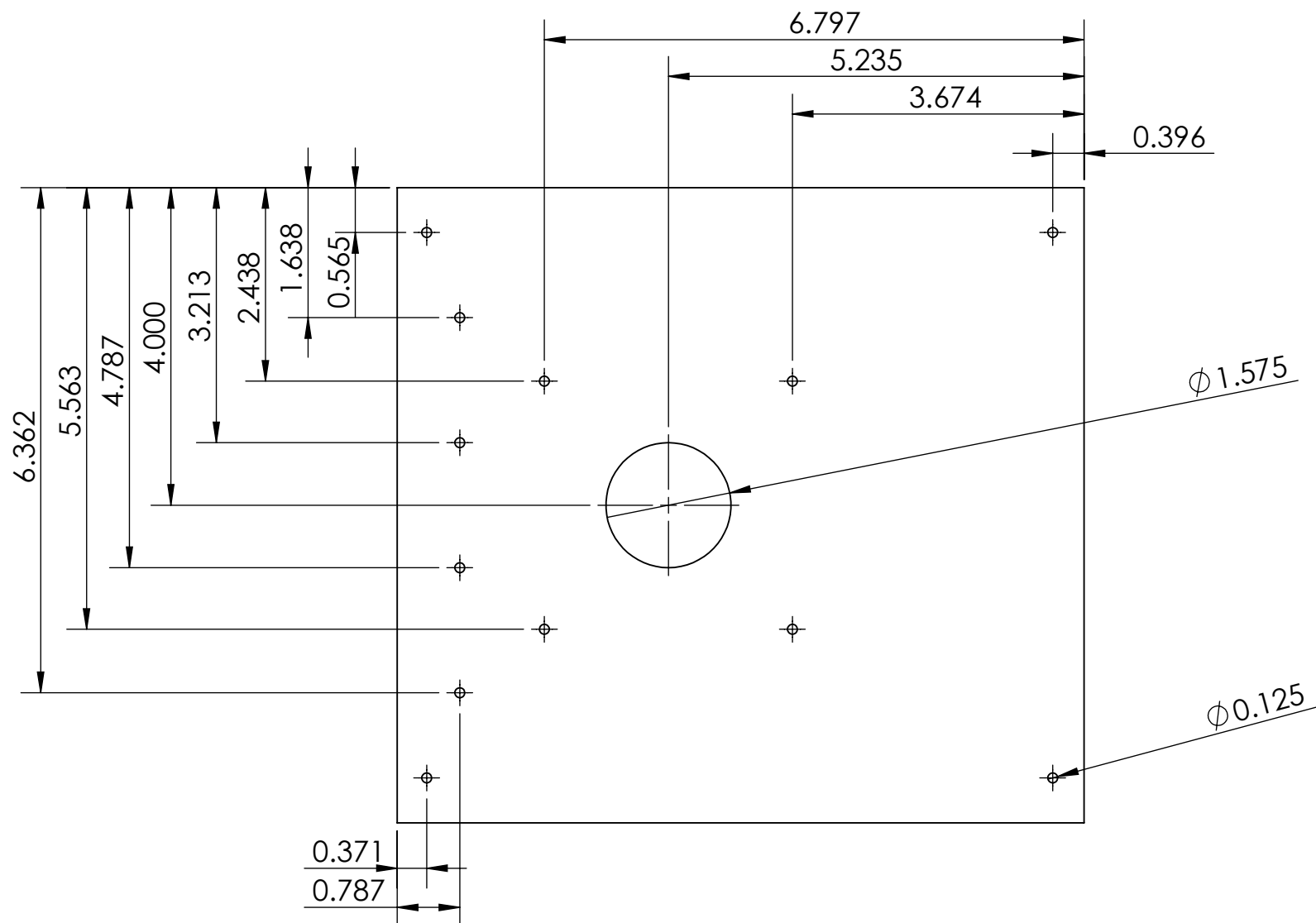
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B

A



UNLESS OTHERWISE SPECIFIED:		NAME		DATE		<div>TITLE:</div> <div>Cherry Autonomous Racecar Top Platform</div>			
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	CHECKED								
	ENG APPR.								
	MFG APPR.								
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					<div>SIZE</div> <div>B</div> <div>DWG. NO.</div> <div>REV</div> <div>A</div> <div>SCALE 1:3</div> <div>WEIGHT:</div> <div>SHEET 4 OF 10</div>			
MATERIAL	COMMENTS:								
ABS Plastic 1/4" Thick									
FINISH									
DO NOT SCALE DRAWING									

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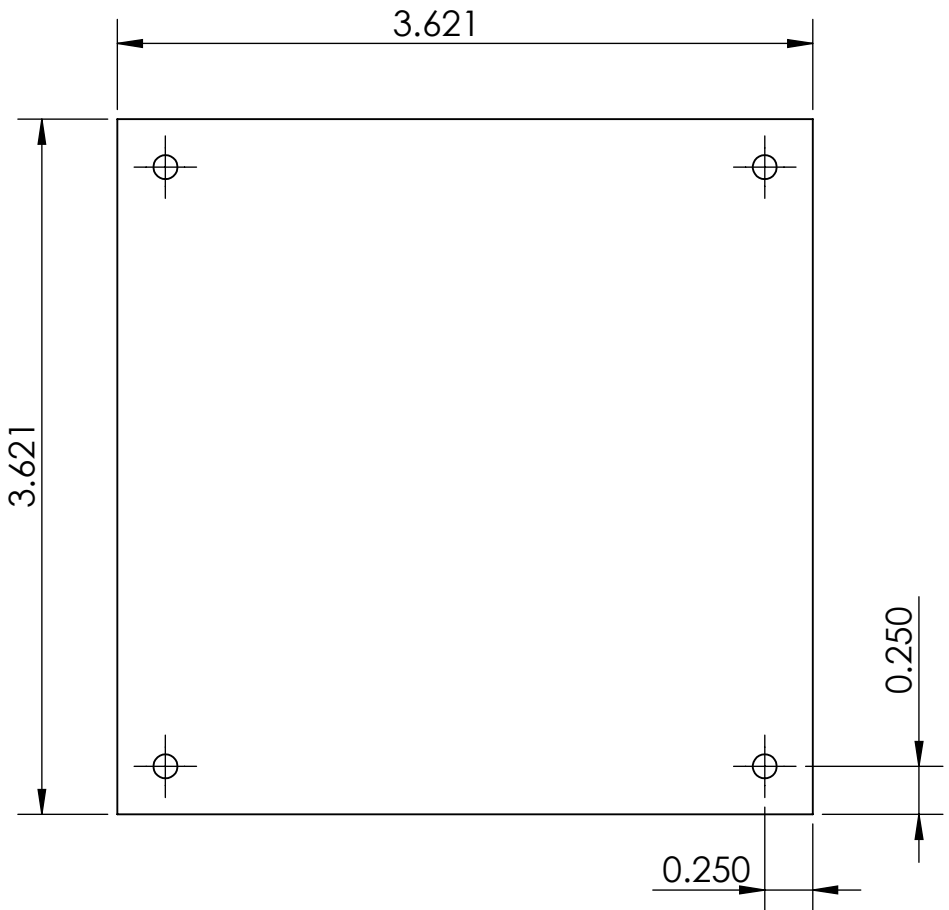
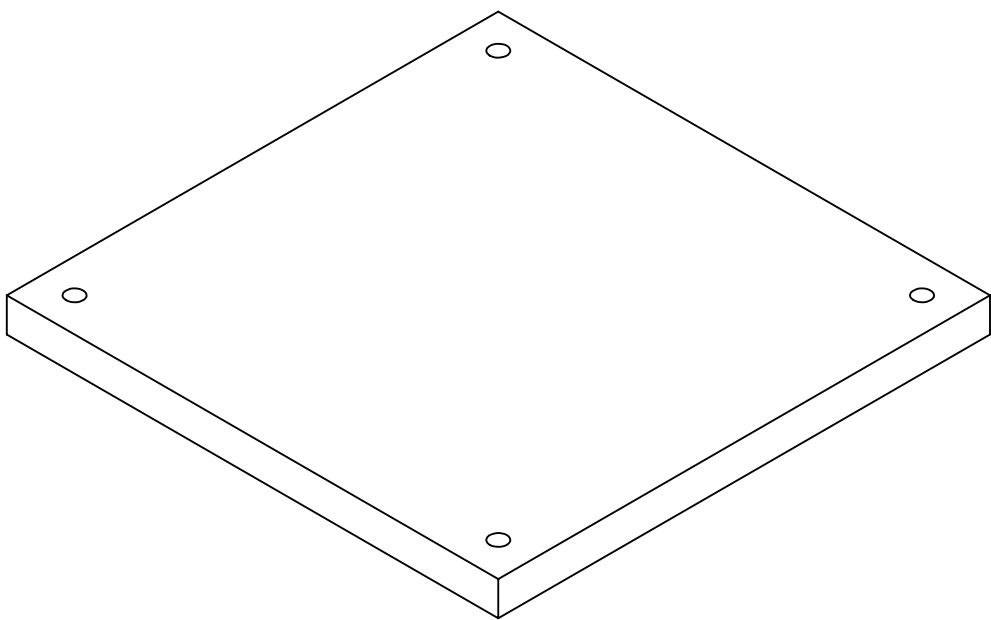
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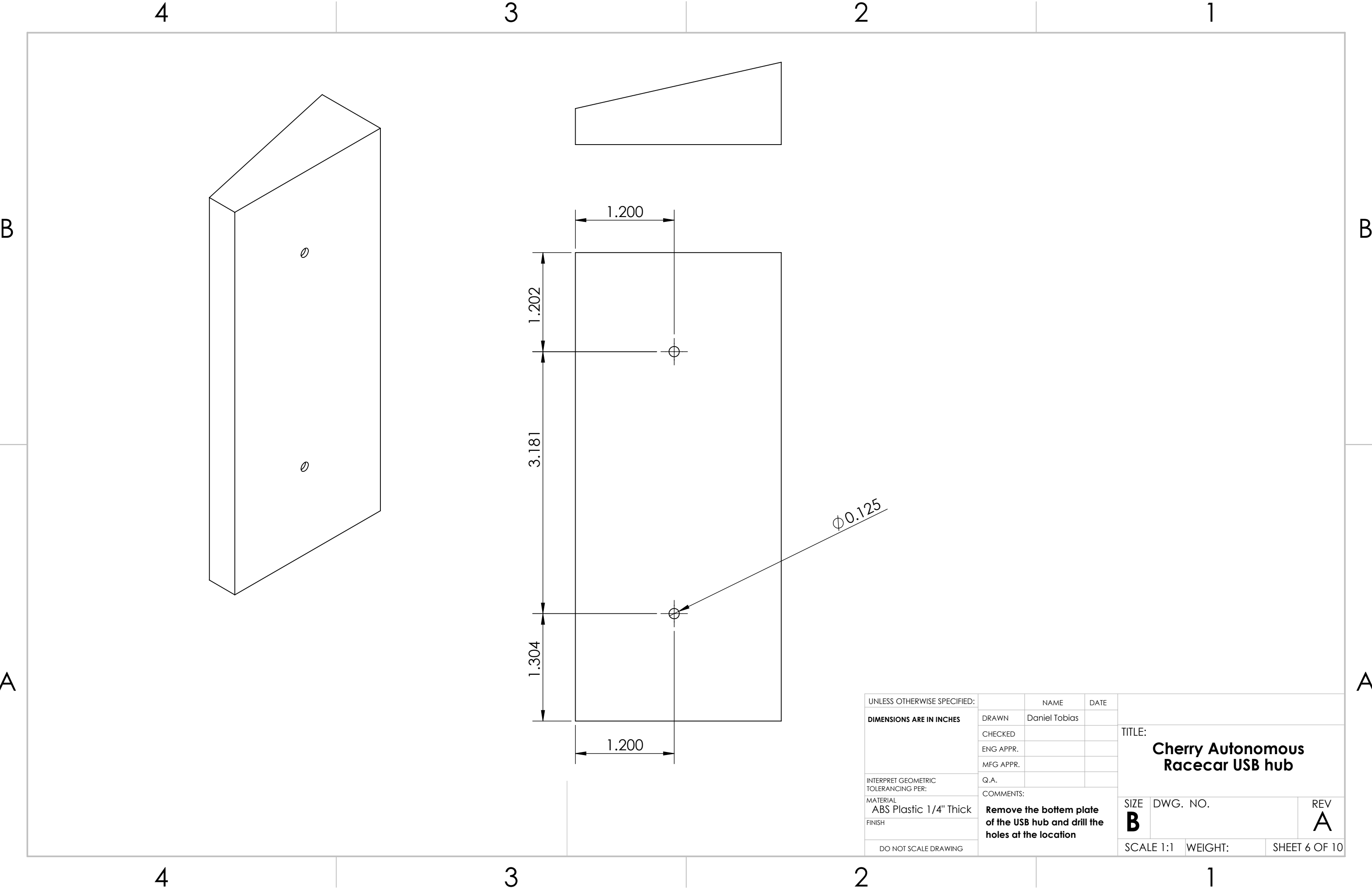
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DIMENSIONS ARE IN INCHES	DRAWN	Daniel Tobias							
	CHECKED								
	ENG APPR.								
	MFG APPR.								
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			COMMENTS:					
MATERIAL ABS Plastic 1/4" Thick									
FINISH									
DO NOT SCALE DRAWING				SIZE B	DWG. NO.	REV A			
				SCALE 1:1	WEIGHT:	SHEET 5 OF 10			

4

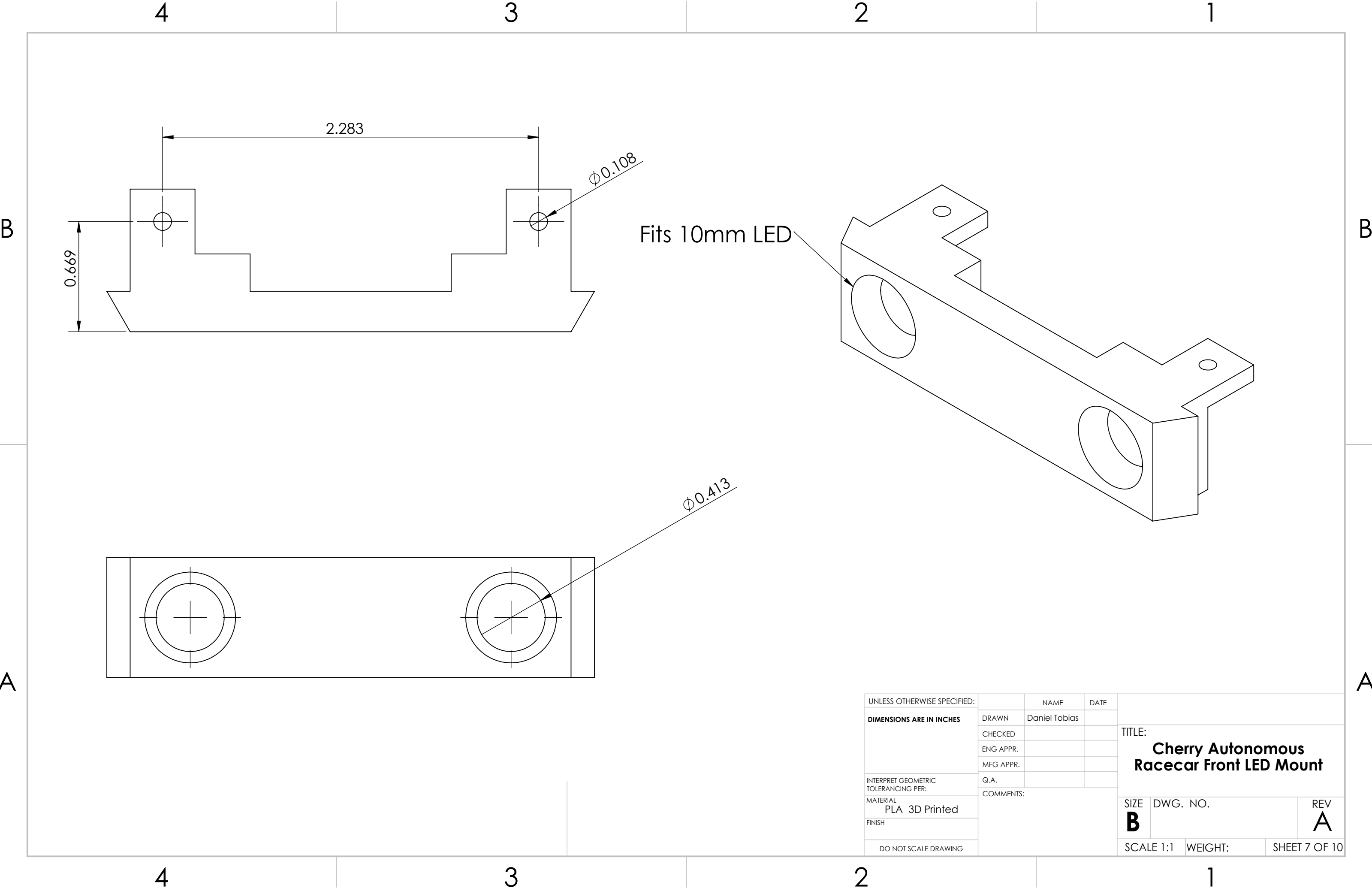
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Cherry Autonomous Racecar USB hub					
DIMENSIONS ARE IN INCHES	DRAWN	Daniel Tobias							
	CHECKED								
	ENG APPR.								
	MFG APPR.								
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			COMMENTS: Remove the bottem plate of the USB hub and drill the holes at the location					
MATERIAL ABS Plastic 1/4" Thick	DO NOT SCALE DRAWING								
FINISH									
SIZE B		DWG. NO.		REV A					
SCALE 1:1		WEIGHT:		SHEET 6 OF 10					



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES
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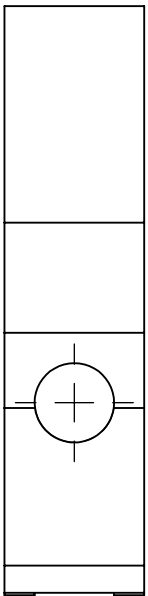
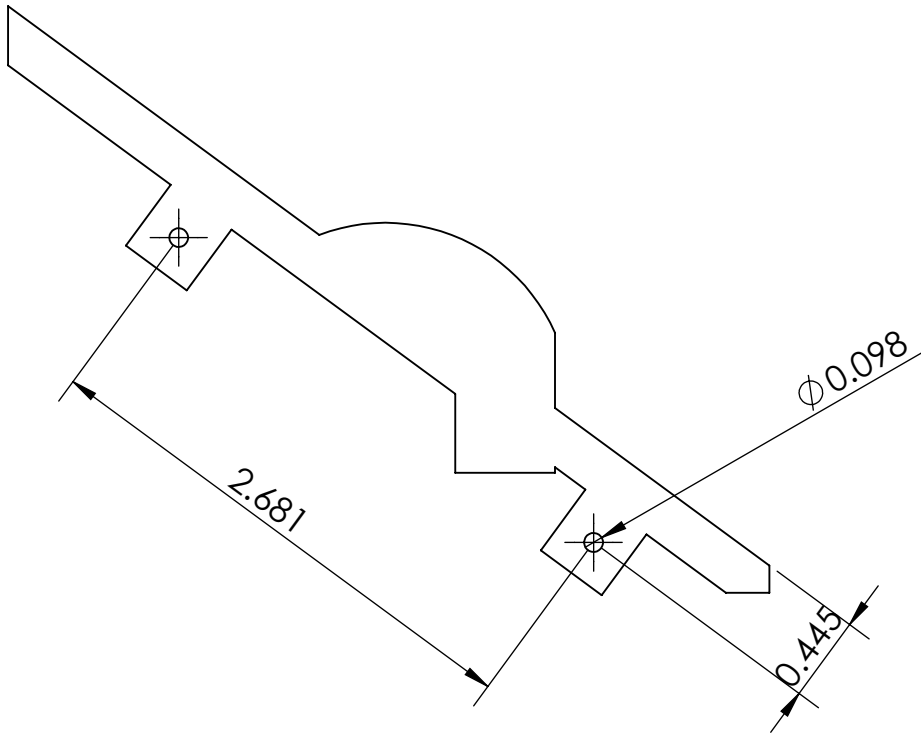
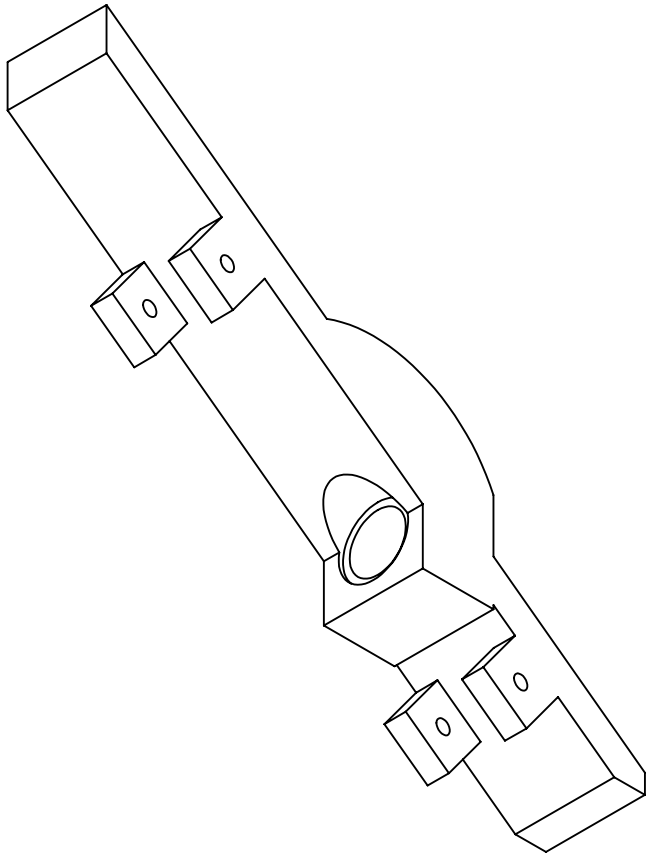
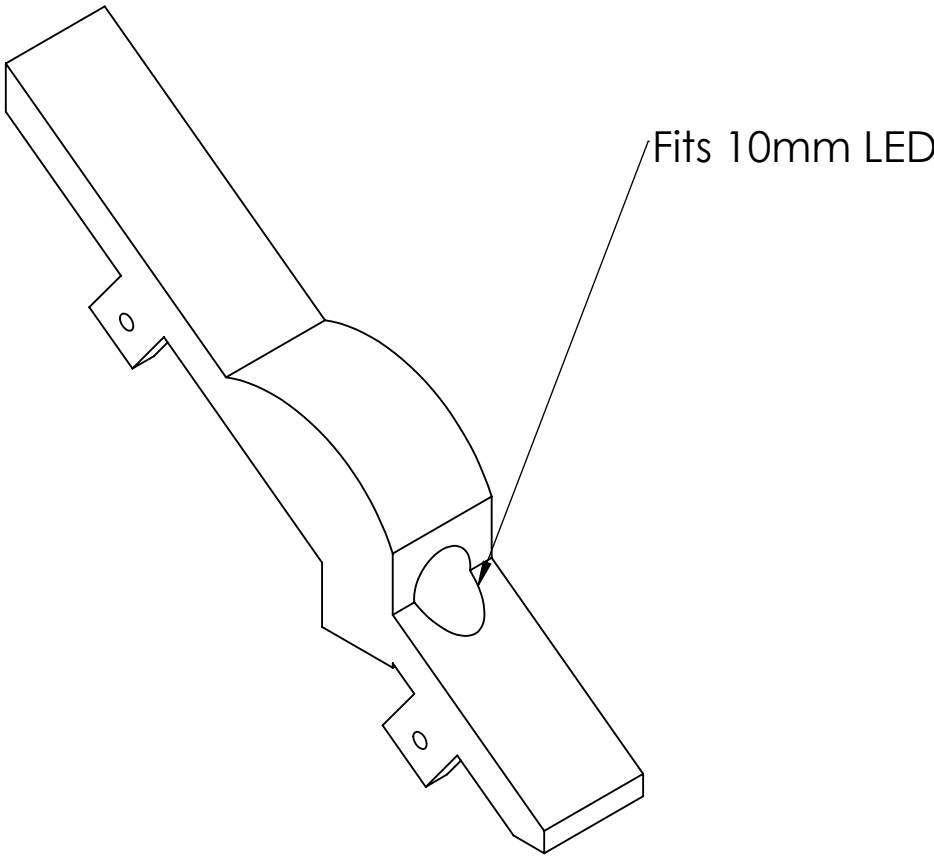
1

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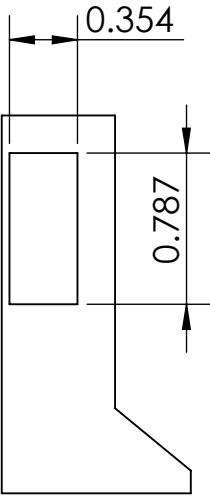
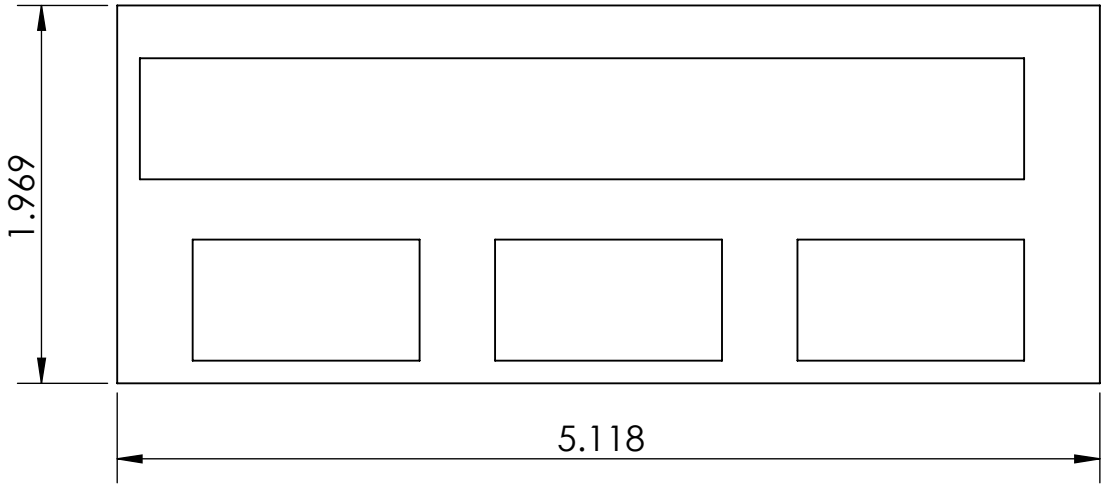
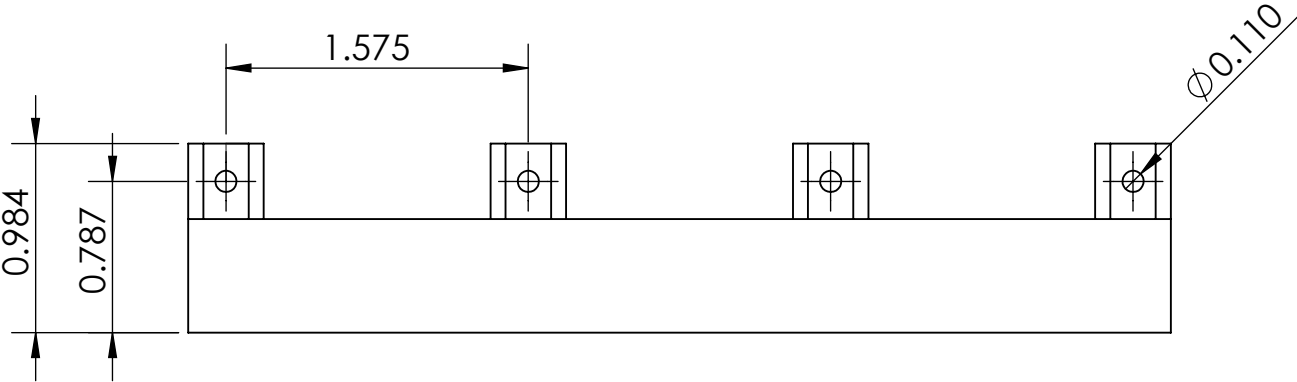
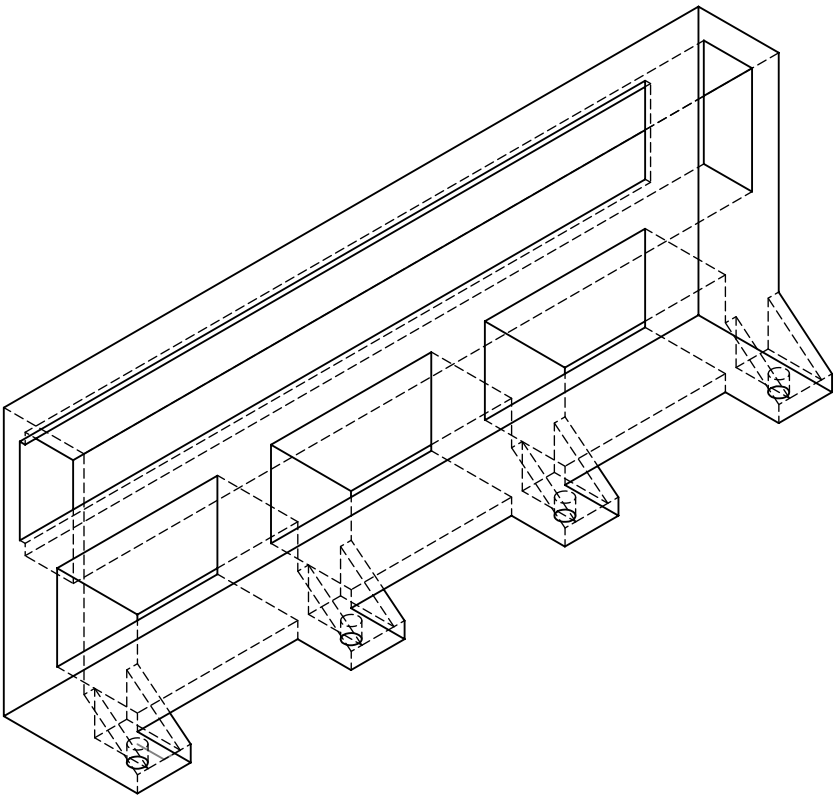
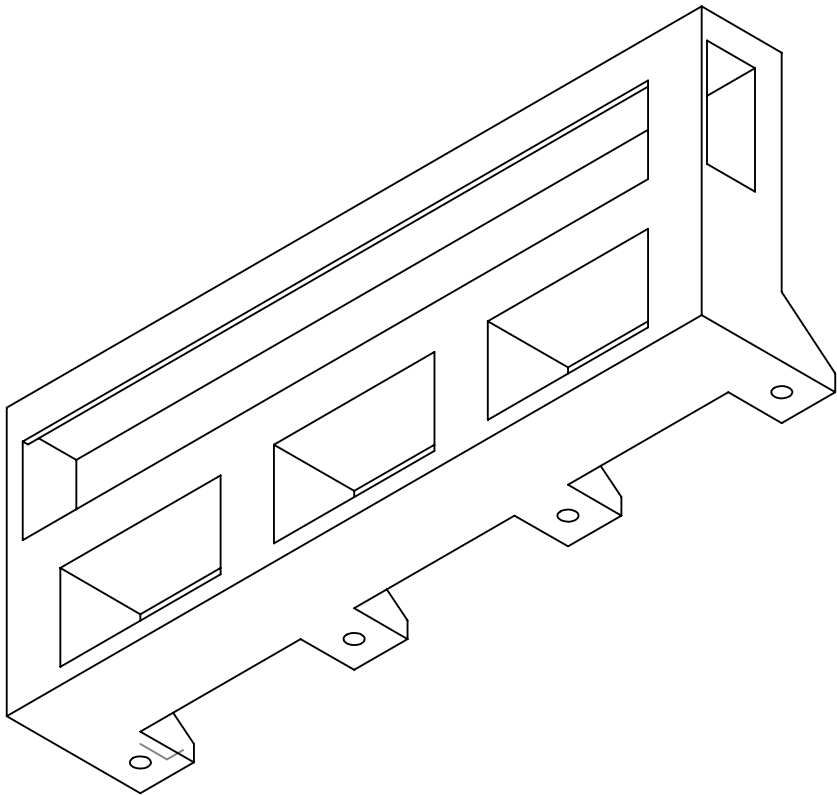
UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Cherry Autonomous Racecar Side LED Mount			
DIMENSIONS ARE IN INCHES Holes Intentionally smaller to compensate for 3D Printing	DRAWN	Daniel Tobias					
	CHECKED						
	ENG APPR.						
	MFG APPR.						
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			COMMENTS:			
MATERIAL PLA 3D Printed							
FINISH							
DO NOT SCALE DRAWING							
				SIZE B	DWG. NO.		REV A
				SCALE 1:1	WEIGHT:	SHEET 8 OF 10	

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Cherry Autonomous Racecar Intel RealSense R200 Mount			
DIMENSIONS ARE IN INCHES	DRAWN	Daniel Tobias					
	CHECKED						
	ENG APPR.						
	MFG APPR.						
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			REV A			
MATERIAL PLA 3D Printed	COMMENTS:						
FINISH				SIZE B	DWG. NO.		
DO NOT SCALE DRAWING				SCALE 1:1	WEIGHT:		SHEET 9 OF 10

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