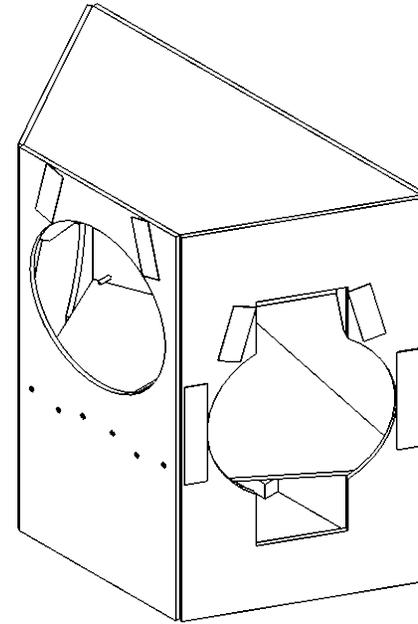


2

1

ITEM NO.	PART NUMBER	QTY.
1	TE-19110-01	1
2	TE-19110-02	2
3	TE-19110-03	1
4	TE-19110-04	2
5	TE-19110-05	2
6	TE-19110-06	11
7	TE-19110-07	4
8	TE-19110-08	2
9	TE-19110-09	4
10	TE-19110-11	6
11	TE-19110-12	3
12	flat_phil_.25_20_1.75	12



B

B

Material	QTY
15/32"(1/2") A/C or CDX Plywood	1.5 sheets
2"x 4"x 8'	.25
2"x 2"x 8'	1
Flat head Philips 1/4"-20 x 1.75"	12
2" Hook Fastener	94"
2" Vison Tape	33"
1.25" screws	~60
2.5" screws	~10

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± 1° BEND ± 1° TWO PLACE DECIMAL ± .01 THREE PLACE DECIMAL ± .001	DRAWN			
		INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED			SIZE DWG. NO. REV <b>A</b> TE-19110
		MATERIAL	ENG APPR.			
		FINISH	MFG APPR.			
NEXT ASSY	USED ON		Q.A.			
APPLICATION		DO NOT SCALE DRAWING	COMMENTS:			

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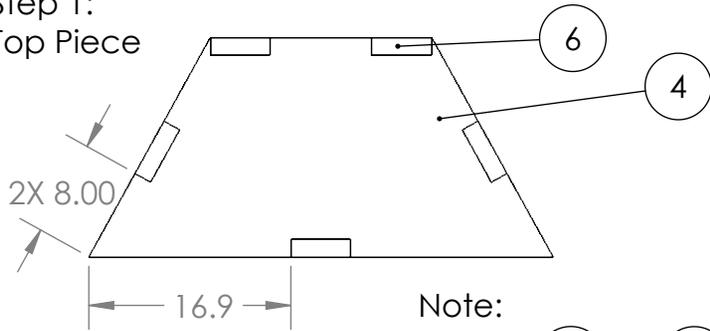
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1

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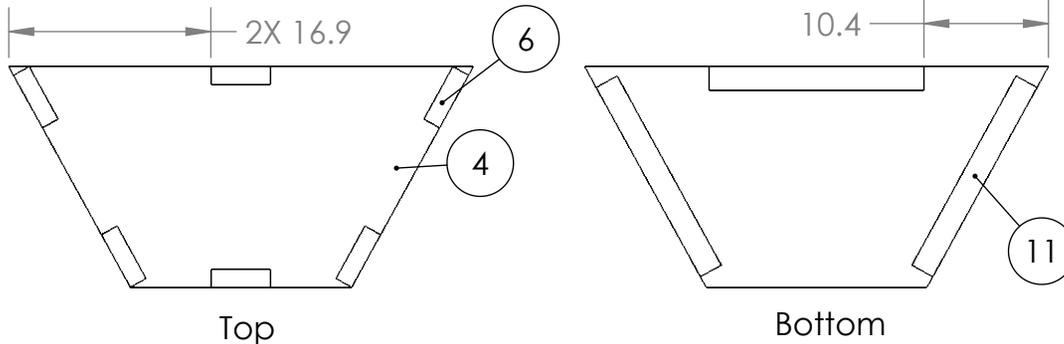
1

Step 1:  
Top Piece



Note:  
Attach (6) to (4), 5 places.  
Pre-drill and attach using 1.25" screws

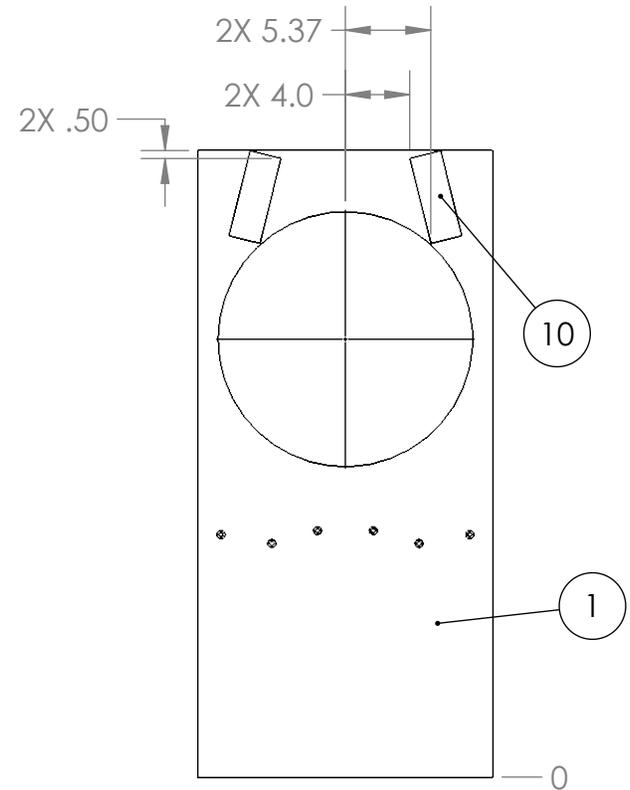
Step 2: Bottom Piece



Note:  
Attach (6) to (4), 6 places.  
Pre-drill and attach using 1.25" screws.

Attach (11) to the bottom in 3 places.  
Pre-drill and attach using 1.25" screws.

Step 3:



Note:  
Attach (10) to (1) as shown.

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		INTERPRET GEOMETRIC TOLERANCING PER:		CHECKED	
		MATERIAL		ENG APPR.	
		FINISH		MFG APPR.	
NEXT ASSY	USED ON			Q.A.	
APPLICATION		DO NOT SCALE DRAWING		COMMENTS:	

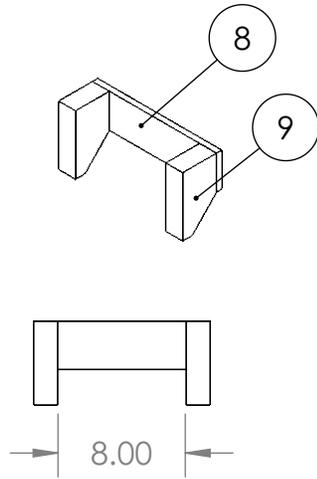


TITLE: <b>Single Bay Rocket</b>		
SIZE <b>A</b>	DWG. NO. <b>TE-19110</b>	REV
SCALE: 1:16 WEIGHT:		SHEET 2 OF 8

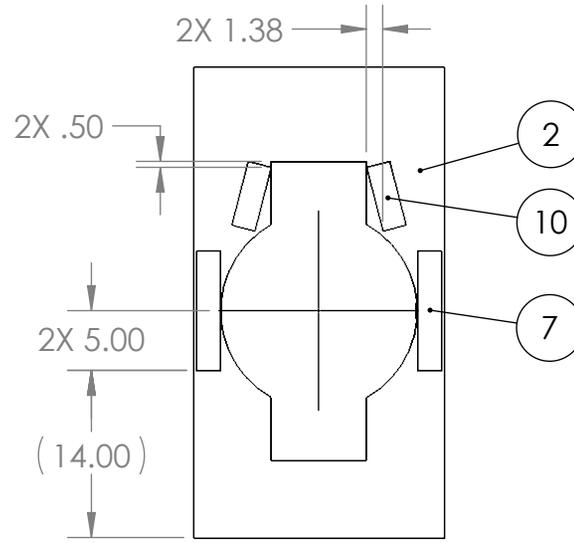
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1

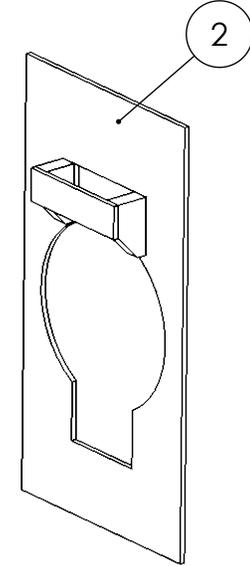
Step 4:



Step 5:



Step 6:



Notes:

Attach (8) to (9) as shown.  
 Pre-drill and attach using 1.25" screws.

Note:

Attach (7) to (2) tangent to circle.  
 Attach (10) to (2) as shown.  
 Repeat for both Item (2).

Note:

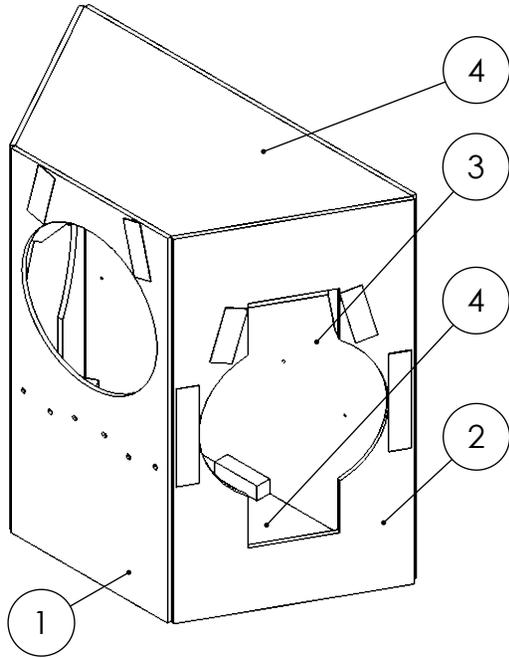
Attach assembly from Step 4 to Item (2).  
 It should be flush to the top and side of cut out. Repeat.

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		TOLERANCES:	CHECKED		
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		ANGULAR: MACH ± 1° BEND ± 1°	MFG APPR.		
		TWO PLACE DECIMAL ± .01	Q.A.		
		THREE PLACE DECIMAL ± .001	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

 		
TITLE:		
<h1>Single Bay Rocket</h1>		
SIZE	DWG. NO.	REV
<b>A</b>	TE-19110	
SCALE: 1:16 WEIGHT:		SHEET 3 OF 8

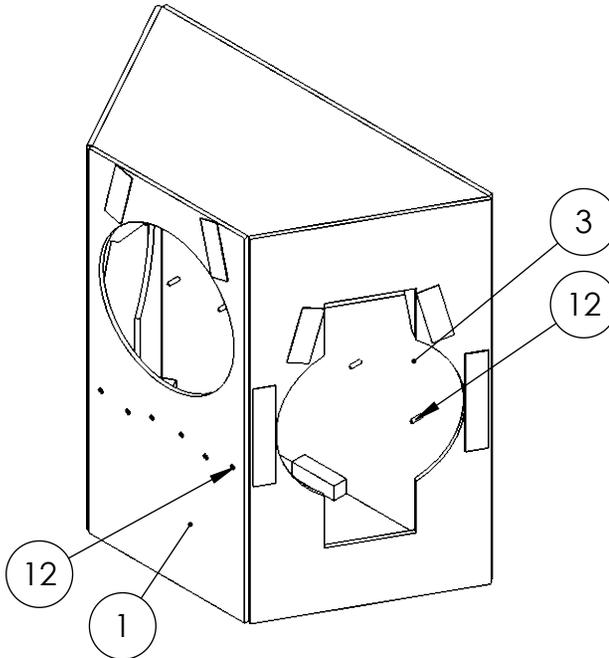
Step 7:



Note:

Attach Items (1), (2), and (3) to Item (4) as shown. Pre-drill and use 1.25" screws.

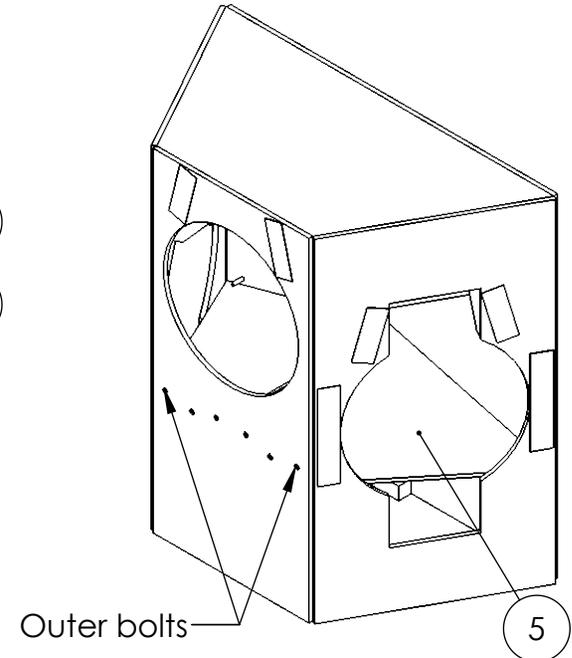
Step 8:



Note:

Insert (12) x12 in to (1) and (3). There should be a bolt in each counter sunk hole.

Step 9:



Note:

Place two Item (5) on top of the two inner bolts.

The outer bolts will be located on top of each ramp, securing it in position.

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
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		TOLERANCES:	CHECKED		
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		ANGULAR: MACH ±1° BEND ±1°	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.001	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

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**FIRST ROBOTICS COMPETITION** **SOLIDWORKS** Modeling Solutions Partner

TITLE: **Single Bay Rocket**

SIZE **A** DWG. NO. **TE-19110** REV

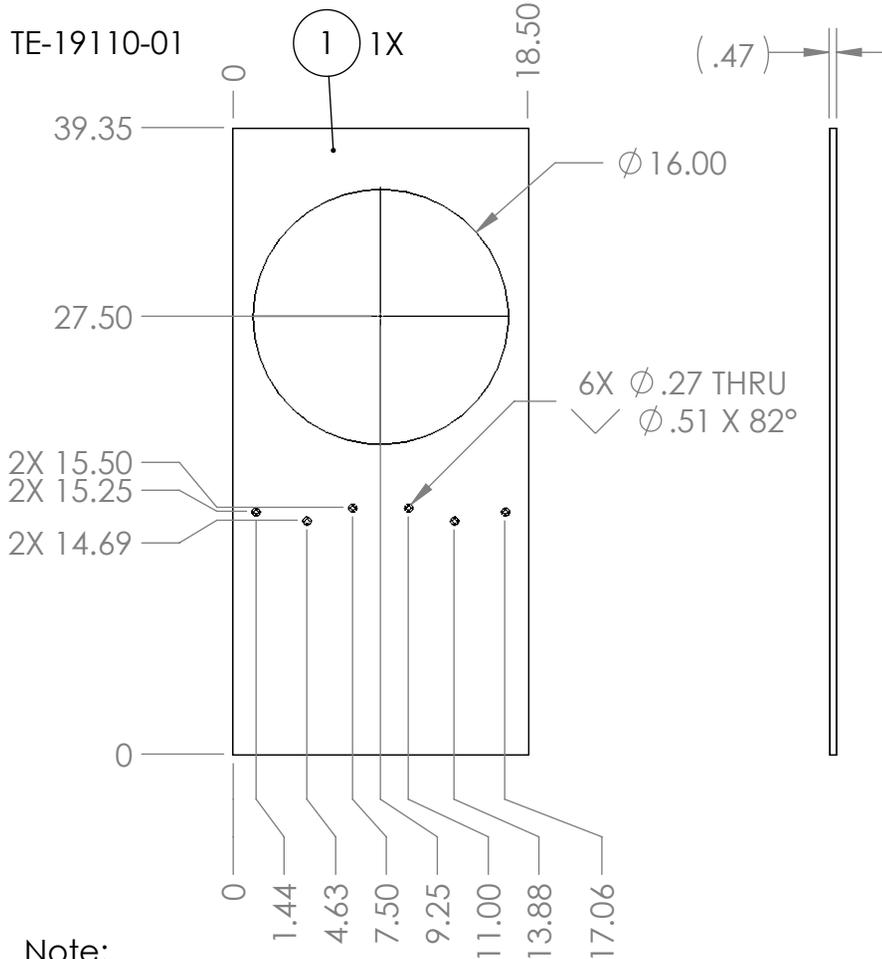
SCALE: 1:16 WEIGHT: SHEET 4 OF 8

2

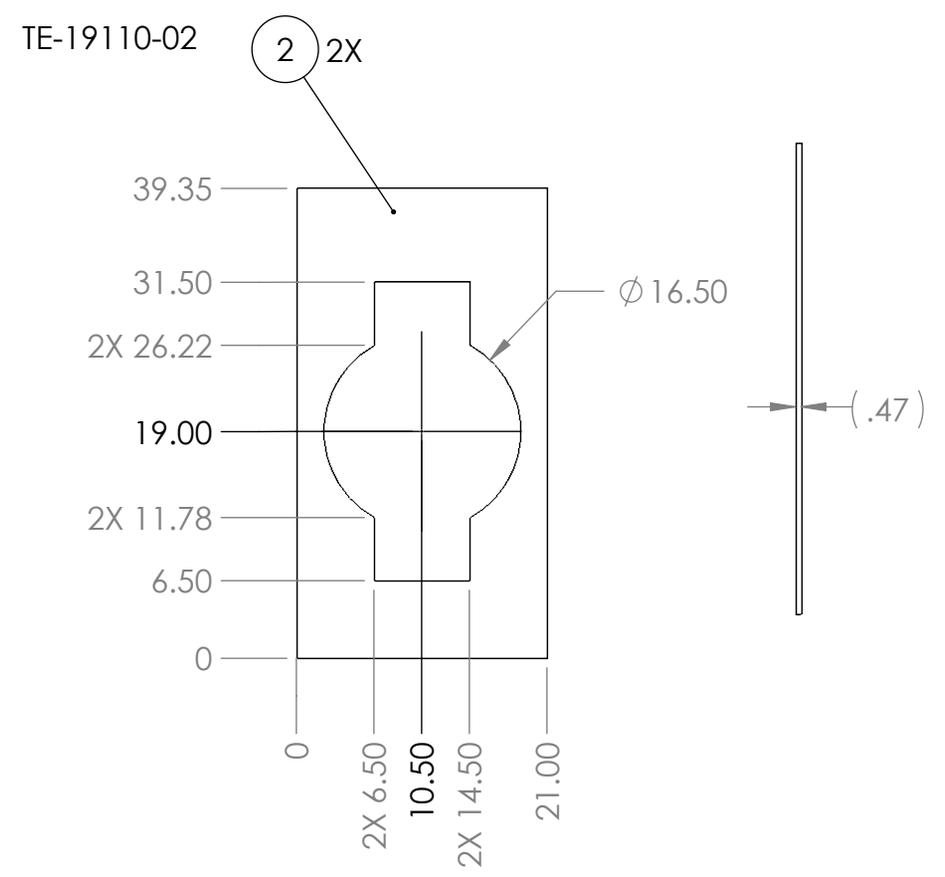
1

B

B



Note:  
15/32"(1/2") A/C or CDX Plywood



Note:  
15/32"(1/2") A/C or CDX Plywood

A

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		TOLERANCES:	CHECKED		
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		ANGULAR: MACH ± 1° BEND ± 1°	MFG APPR.		
		TWO PLACE DECIMAL ± .01	Q.A.		
		THREE PLACE DECIMAL ± .001	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
	NEXT ASSY	USED ON			
	APPLICATION	DO NOT SCALE DRAWING			

**FIRST ROBOTICS COMPETITION** **SOLIDWORKS** Modeling Solutions Partner

TITLE:  
**Single Bay Rocket**

SIZE **A** DWG. NO. **TE-19110** REV

SCALE: 1:16 WEIGHT: SHEET 5 OF 8

2

1

2

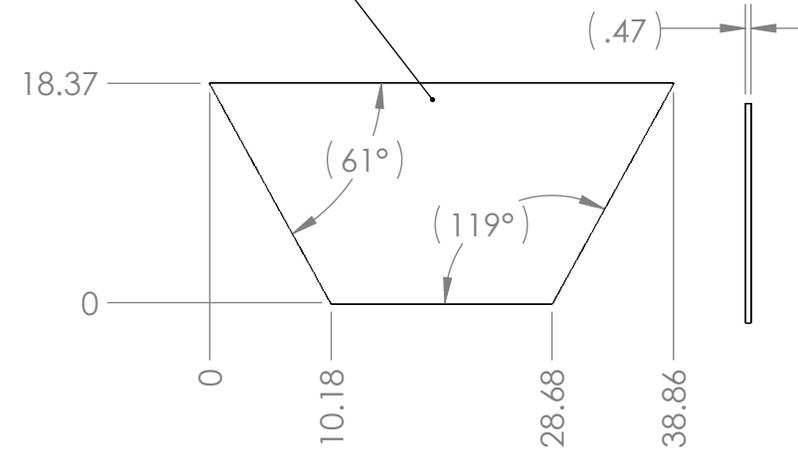
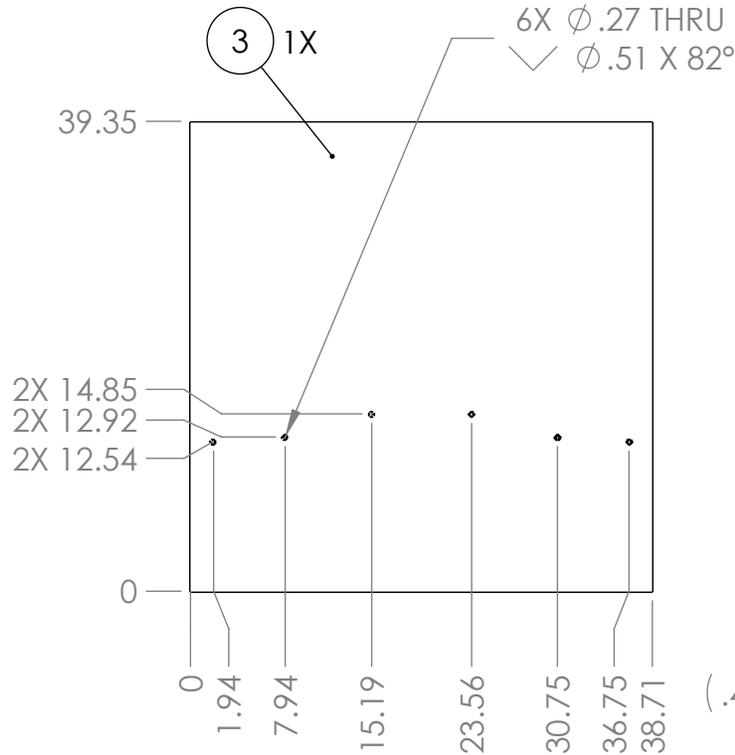
1

TE-19110-03

TE-19110-04

B

B



Note:  
15/32"(1/2") A/C or CDX Plywood

Note:  
15/32"(1/2") A/C or CDX Plywood

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		INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED		
		MATERIAL	ENG APPR.		
NEXT ASSY	USED ON	FINISH	MFG APPR.		
		DO NOT SCALE DRAWING	Q.A.		
APPLICATION			COMMENTS:		



TITLE: <b>Single Bay Rocket</b>		
SIZE <b>A</b>	DWG. NO. <b>TE-19110</b>	REV
SCALE: 1:16 WEIGHT:		SHEET 6 OF 8

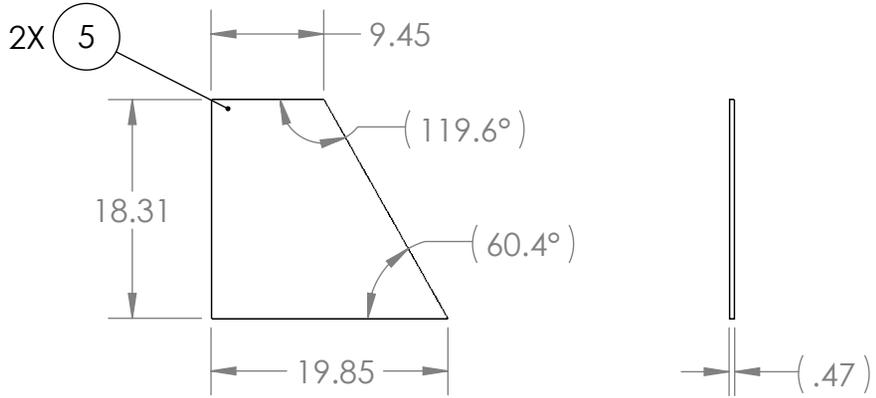
2

1

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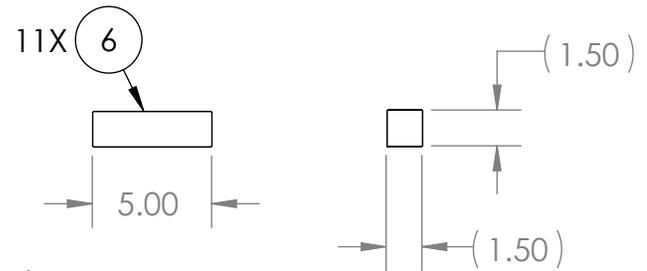
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TE-19110-05



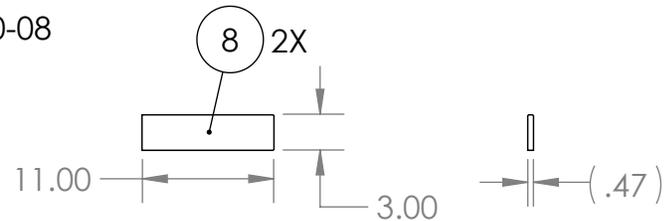
Note:  
15/32"(1/2") A/C or CDX Plywood

TE-19110-06



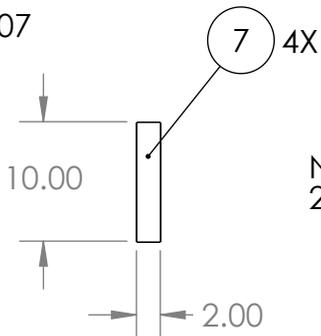
Note:  
2"x 2" Pine Lumber

TE-19110-08



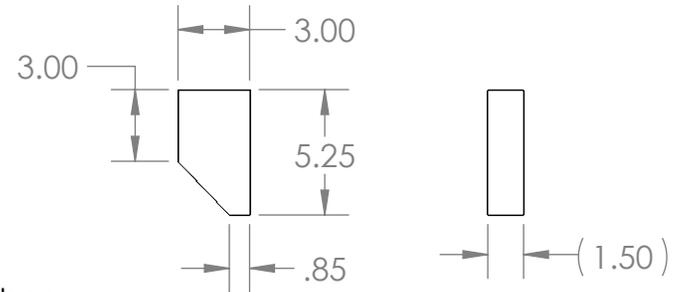
Note:  
15/32"(1/2") A/C or CDX Plywood

TE-19110-07



Note:  
2" Hook Fastener

TE-19110-09



Note:  
2"x 4" Pine Lumber

B

B

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		ANGULAR: MACH ± 1° BEND ± 1°	MFG APPR.		
		TWO PLACE DECIMAL ± .01	Q.A.		
		THREE PLACE DECIMAL ± .001	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			



TITLE:  
**Single Bay Rocket**

SIZE DWG. NO. REV  
**A** TE-19110

SCALE: 1:16 WEIGHT: SHEET 7 OF 8

2

1

2

1

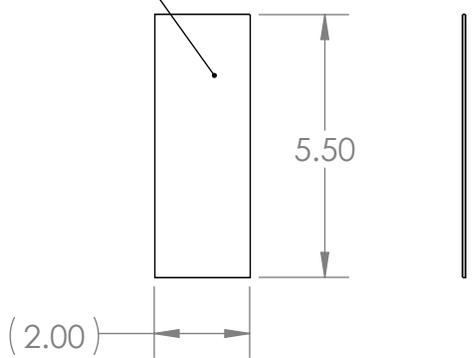
B

B

TE-19110-11

TE-19110-12

6X (10)



Note  
2" Vison Tape

Note:  
2" Hook Fastener

A

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		TWO PLACE DECIMAL ± .01	Q.A.		
		THREE PLACE DECIMAL ± .001	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			



TITLE: <b>Single Bay Rocket</b>		
SIZE <b>A</b>	DWG. NO. <b>TE-19110</b>	REV
SCALE: 1:16	WEIGHT:	SHEET 8 OF 8

2

1