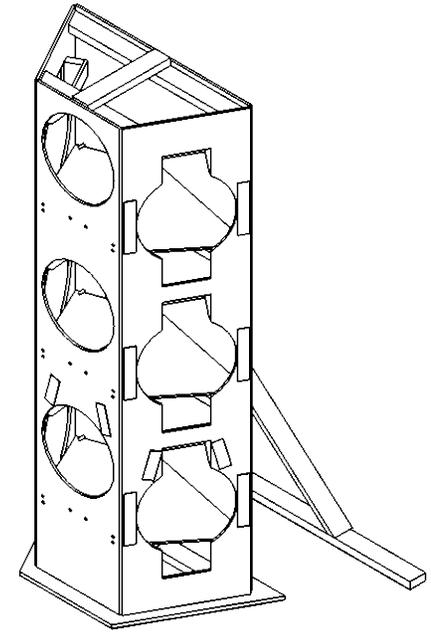


2

1

ITEM NO.	PART NUMBER	QTY.
1	TE-19113-01	1
2	TE-19113-02	2
3	TE-19113-03	1
4	TE-19113-04	6
5	TE-19113-05	2
6	TE-19113-06	1
7	TE-19113-07	4
8	TE-19113-08	4
9	TE-19113-09	4
10	TE-19113-10	1
11	TE-19113-11	6
12	TE-19113-12	12
13	TE-19113-13	12
14	TE-19113-15	6
15	TE-19113-16	1
16	TE-19113-17	3
17	flat_phil_.25_20_1.75	36



B

B

Material	QTY
23/32" (4/3") A/C or CDX Plywood	0.25 sheets
15/32" (1/2") A/C or CDX Plywood	3 sheets
2"x4"x8'	4
Flat Head 1/4"-20 x1.75	18
2" Hook Fastener	267"
2" Vison Tape	33"
1.25" screws	~60
2.5" screws	~100

A

A

		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	
		MATERIAL	ENG APPR.	
NEXT ASSY	USED ON	FINISH	MFG APPR.	
APPLICATION		DO NOT SCALE DRAWING	Q.A.	
			COMMENTS:	



TITLE: <b>Full Rocket</b>		
SIZE <b>A</b>	DWG. NO. <b>TE-19113</b>	REV
SCALE: 1:32	WEIGHT:	SHEET 1 OF 11

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2

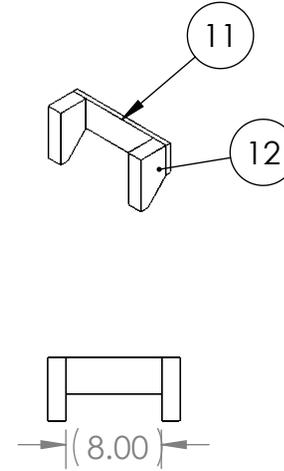
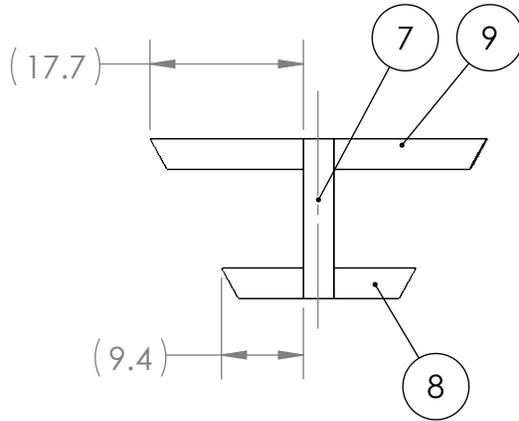
1

2

1

Subassembly 1:  
QTY 4

Subassembly 2:  
QTY 6



Notes:

- Attach (7) to (8) and (9).
- (7) is centered on top of (8) and (9).
- Pre-drill and attach items with 2.5" screws.

Note:

- Attach (11) to (12) 2X.
- (12) should be flush to top edge and side faces of (11).
- Pre drill and attach using 1.25" screws

B

B

A

A

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



TITLE: <b>Full Rocket</b>		
SIZE <b>A</b>	DWG. NO. <b>TE-19113</b>	REV
SCALE: 1:32	WEIGHT:	SHEET 2 OF 11

2

1

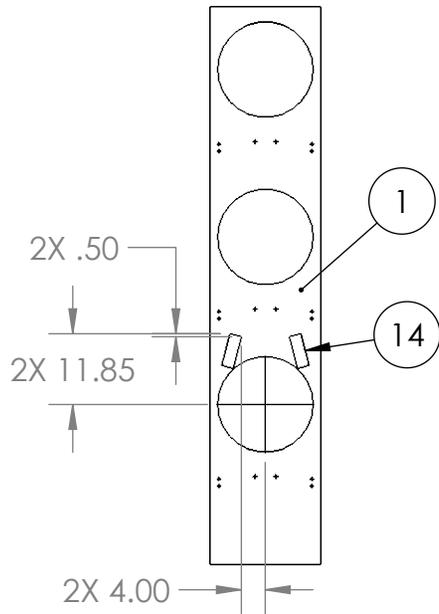
2

1

Subassembly 3:

Subassembly 4:  
Qty. 2

B



Note:

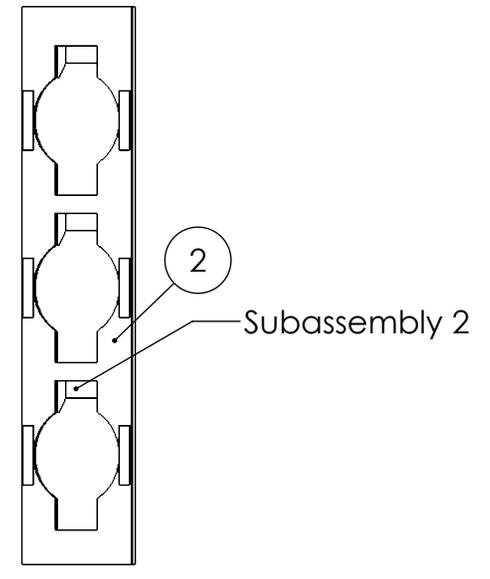
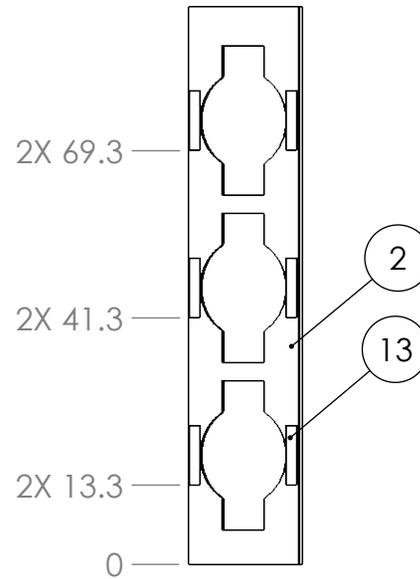
Attach (14)x2 to (1).

2X 69.3

2X 41.3

2X 13.3

0



B

Note:

- Attach (13) x6 to (2). (13) should be tangent to opening.
- Attach Suabassembly 2 (qty.3) to (2). It should be flush to the top opening edges.
- Use 1.25" or 2.5" screws to attach items.

A

A

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

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

TITLE: **Full Rocket**

SIZE **A** DWG. NO. **TE-19113** REV

SCALE: 1:32 WEIGHT: SHEET 3 OF 11

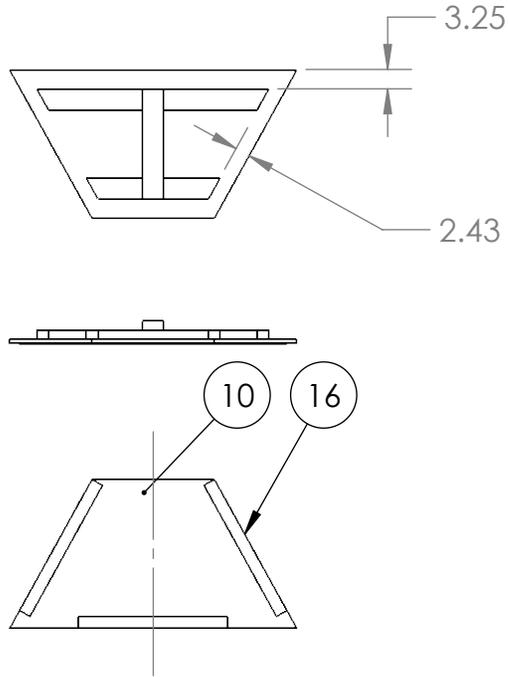
2

1

2

1

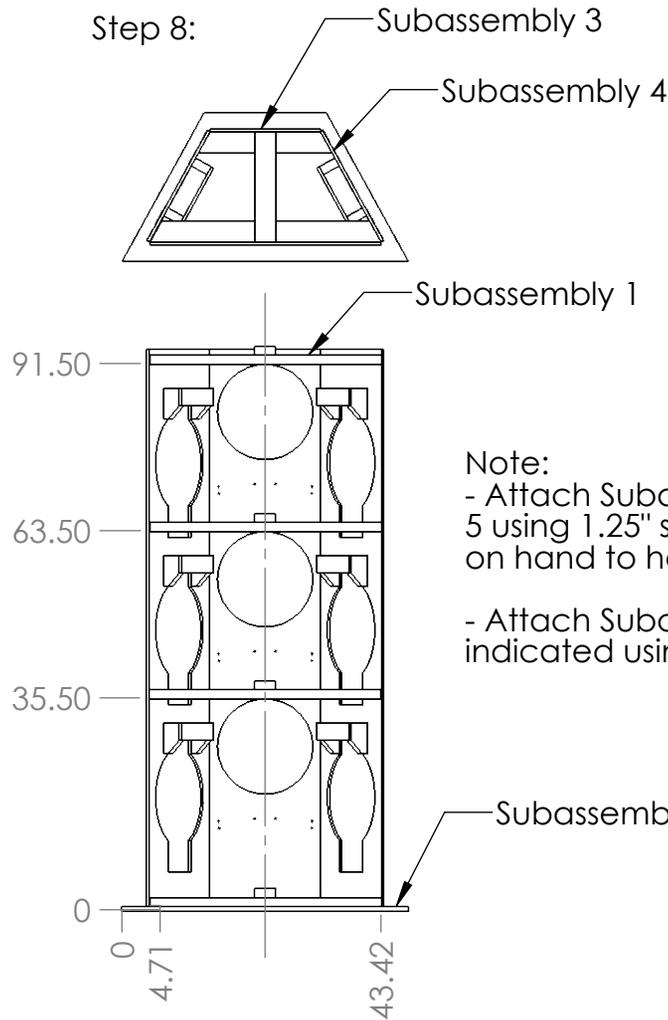
Subassembly 5:



Note:

- Attach 16 to 10 as shown.
- Attach Subassembly 1 using 1.25" screws.

Step 8:



Note:

- Attach Subassembly 3 and 4 to Subassembly 5 using 1.25" screws. Have additional people on hand to hold components in place.
- Attach Subassembly 1 at the locations indicated using 1.25" screws.

B

B

A

A

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		TOLERANCES:	CHECKED		
		FRACTIONAL ± 1/16	ENG APPR.		
		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: **Full Rocket**

SIZE **A** DWG. NO. **TE-19113** REV

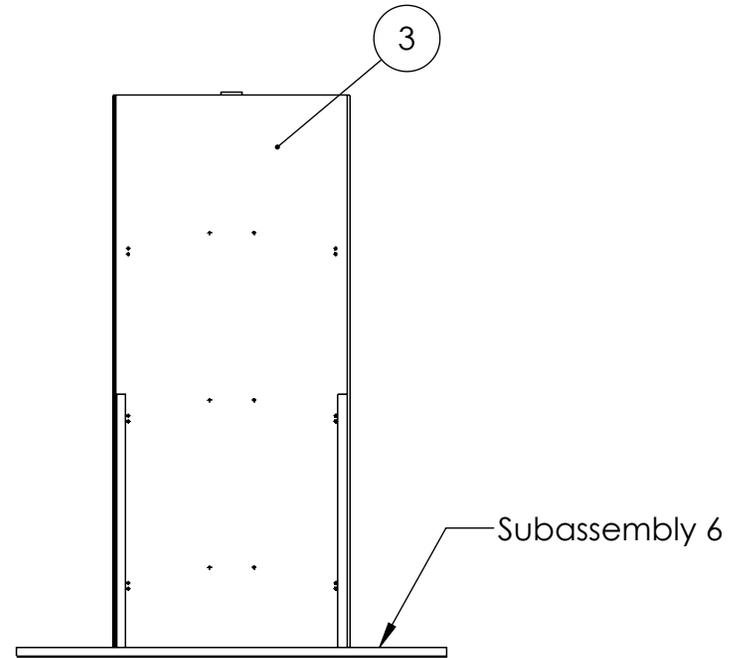
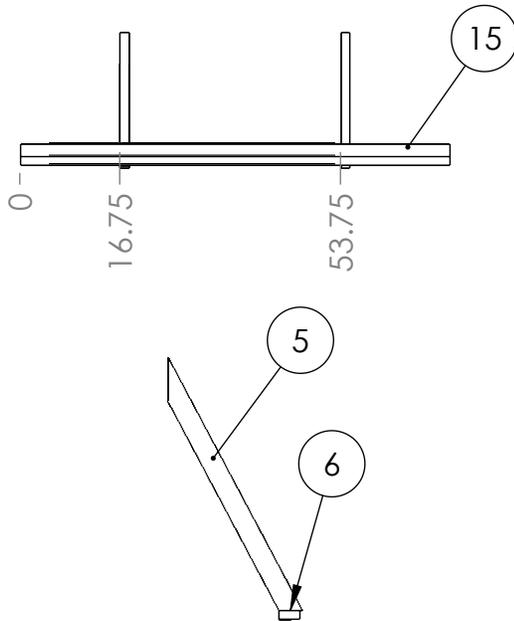
SCALE: 1:32 WEIGHT: SHEET 4 OF 11

2

1

Subassembly 6:

Step 10:



Notes:

- Attach (5) to (6) at the two locations indicated. Pre-drill and use 2.5" screws.
- Attach (15) to (6)

Note:

- Attach (3) to Step 8 pre drill 2.5" screws
  - Attach Step 9 to (3) pre drill and 2.5" screw
- Step 9 sits flush to floor

B

B

A

A

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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:		

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

TITLE: **Full Rocket**

SIZE **A** DWG. NO. **TE-19113** REV

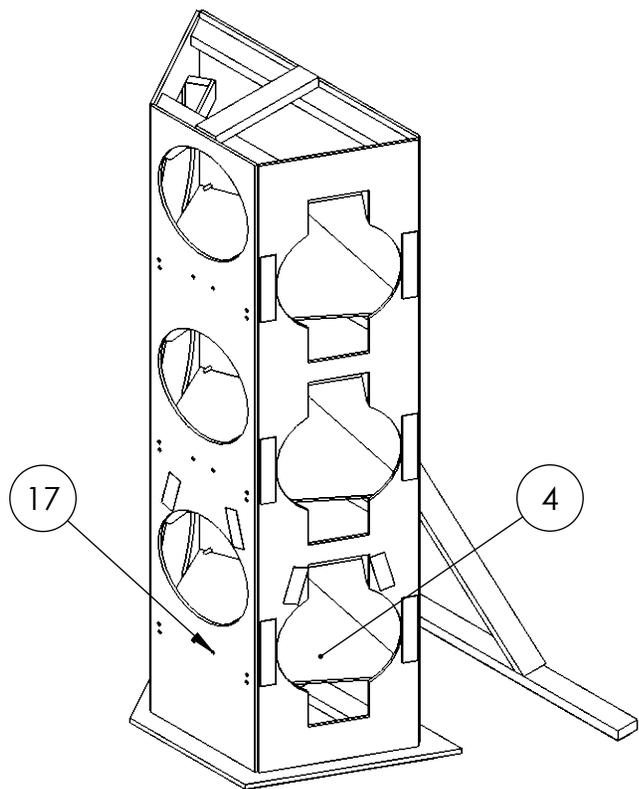
SCALE: 1:32 WEIGHT: SHEET 5 OF 11

2

1

B

B



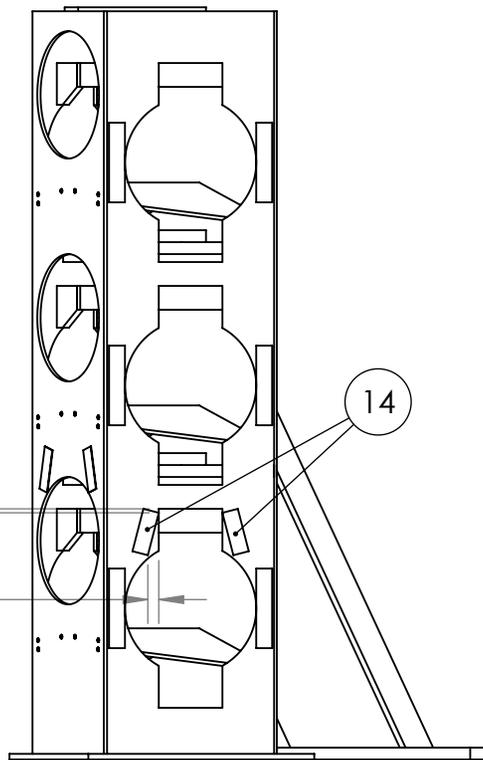
Note:

- Insert (17) x36 into all countersunk holes

- Lay (4) onto (17). One of the (17) will be on top of (4)

2X .50

2X 1.38



Note:

- Attach (14) 2X as shown. Repeat on other side.

A

A

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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:		
Full Rocket		
SIZE	DWG. NO.	REV
A	TE-19113	
SCALE: 1:32 WEIGHT:		SHEET 6 OF 11

2

1

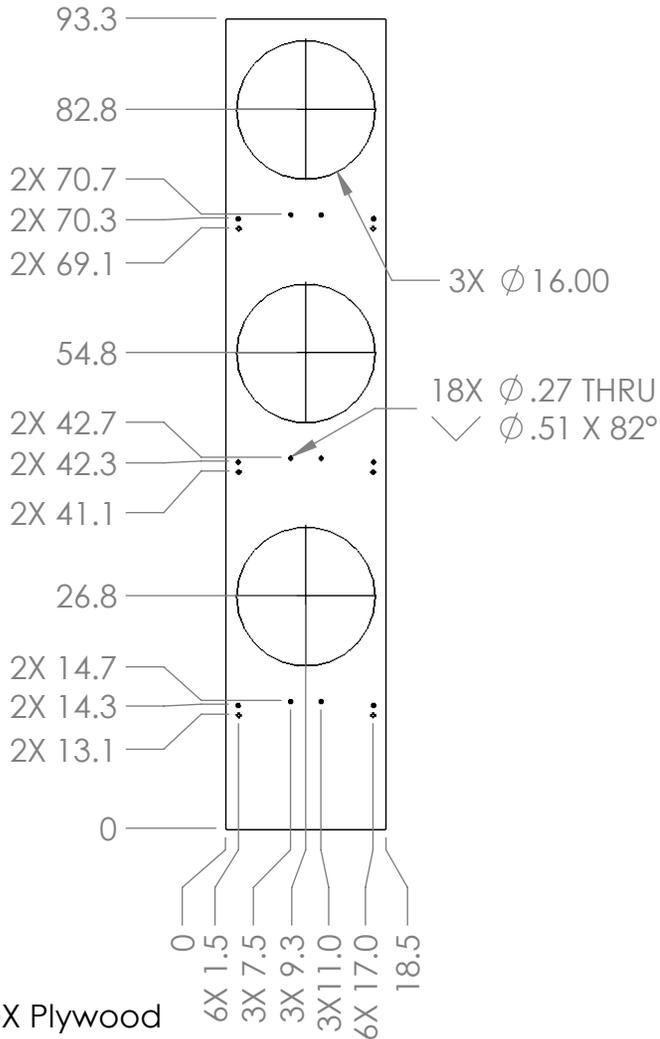
2

1

TE-19113-01

1X 1

(.47)



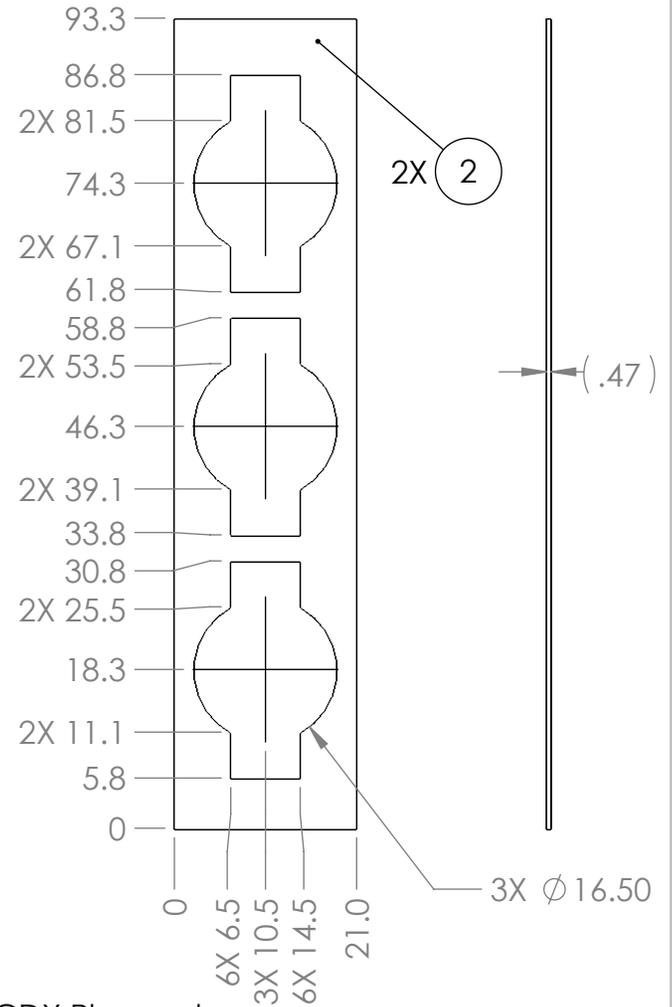
Note: 15/32" A/C or CDX Plywood

TE-19113-02

2X

2X 2

(.47)



Note: 15/32" A/C or CDX Plywood

B

B

A

A

		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	
		MATERIAL		ENG APPR.	
NEXT ASSY	USED ON	FINISH		MFG APPR.	
APPLICATION		DO NOT SCALE DRAWING		Q.A.	
				COMMENTS:	



TITLE: <b>Full Rocket</b>		
SIZE <b>A</b>	DWG. NO. <b>TE-19113</b>	REV
SCALE: 1:32		WEIGHT:
SHEET 7 OF 11		

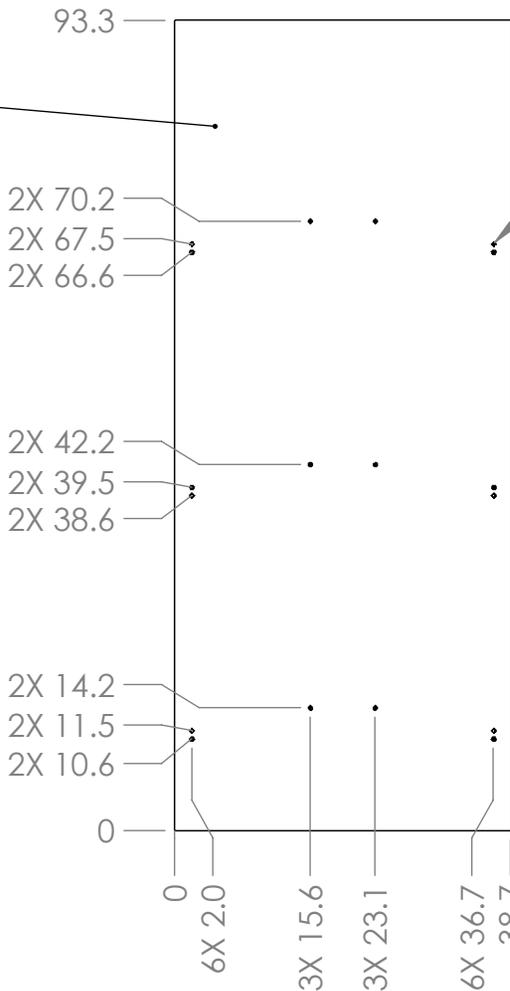
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2

1

TE-19113-03

1X (3)



(.47)

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

B

B

A

A

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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>Full Rocket</b>		
SIZE <b>A</b>	DWG. NO. <b>TE-19113</b>	REV
SCALE: 1:32	WEIGHT:	SHEET 8 OF 11

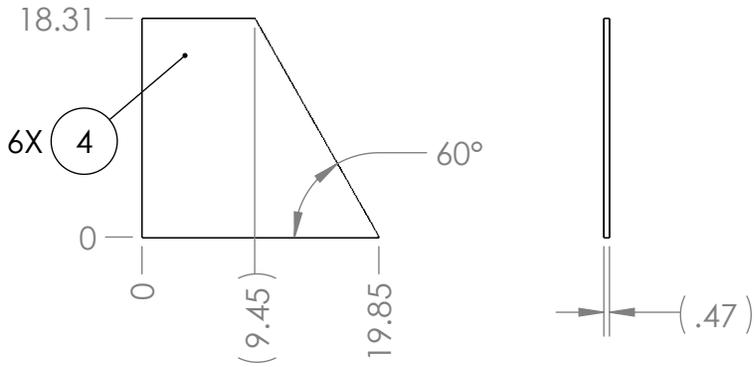
2

1

2

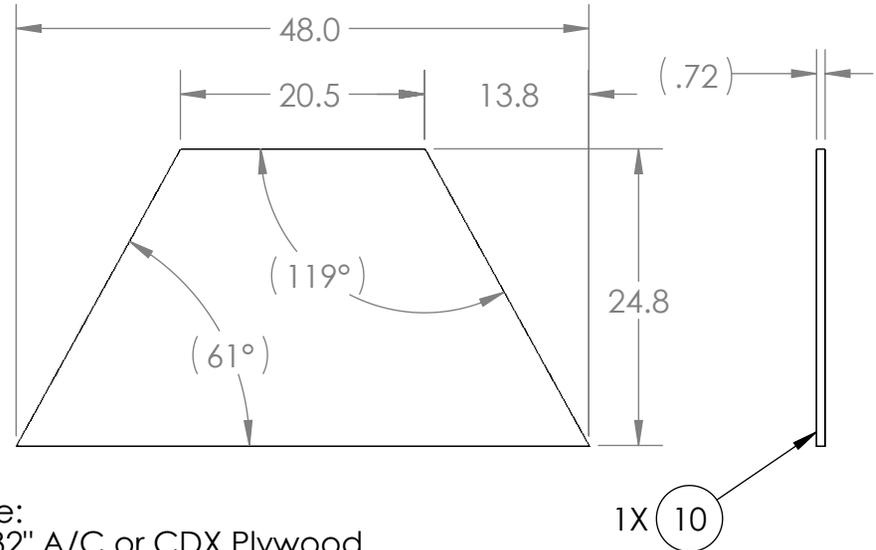
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TE-19113-04



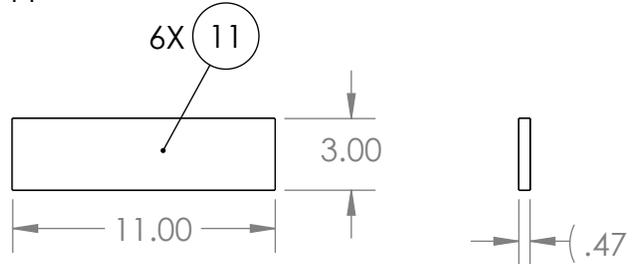
Note:  
15/32" A/C or CDX Plywood

TE-19113-10



Note:  
23/32" A/C or CDX Plywood

TE-19113-11



Note:  
15/32" A/C or CDX Plywood

B

B

A

A

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		TOLERANCES:	CHECKED		
		FRACTIONAL ± 1/16	ENG APPR.		
		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:  
**Full Rocket**

SIZE DWG. NO. REV  
**A** **TE-19113**

SCALE: 1:32 WEIGHT: SHEET 9 OF 11

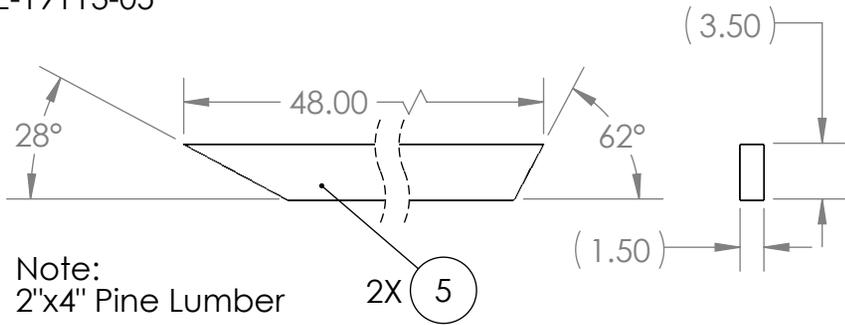
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1

2

1

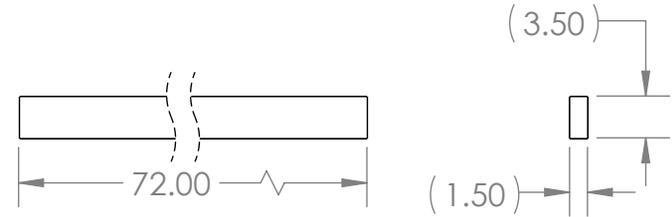
TE-19113-05



Note:  
2"x4" Pine Lumber

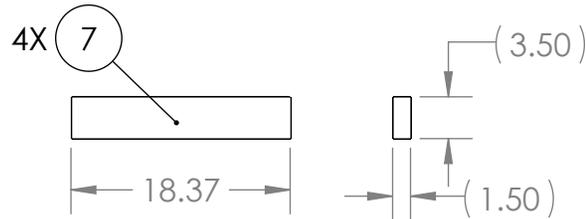
2X 5

TE-19113-06



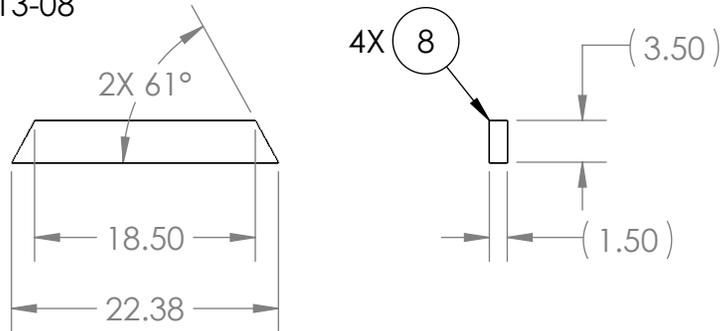
Note:  
2"x4" Pine Lumber

TE-19113-07



Note:  
2"x4" Pine Lumber

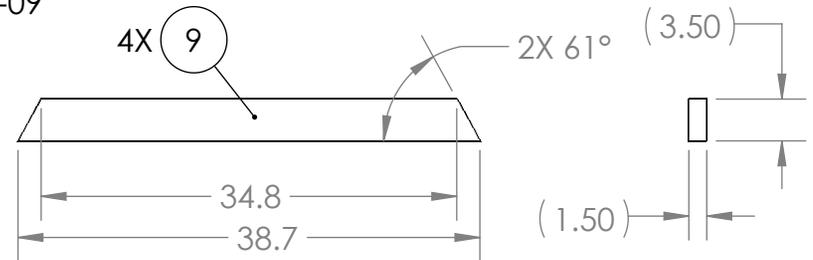
TE-19113-08



Note:  
2"x4" Pine Lumber

4X 8

TE-19113-09



Note:  
2"x4" Pine Lumber

4X 9

2X 61°

B

B

A

A

2

1

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL ± 1/16  
 ANGULAR: MACH ± 1° BEND ± 1°  
 TWO PLACE DECIMAL ± .01  
 THREE PLACE DECIMAL ± .001

INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

NAME DATE

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:



TITLE:

Full Rocket

SIZE

DWG. NO.

REV

A

TE-19113

SCALE: 1:32 WEIGHT:

SHEET 10 OF 11

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NEXT ASSY

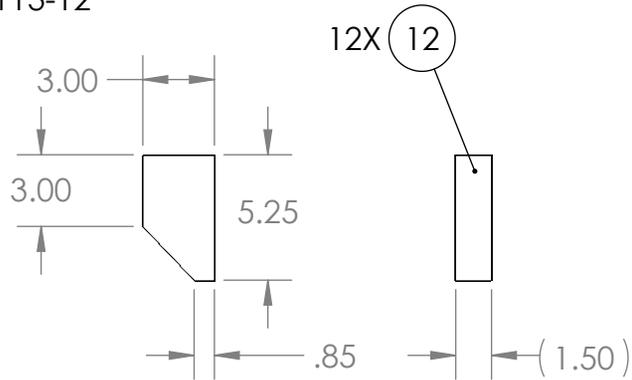
USED ON

APPLICATION

2

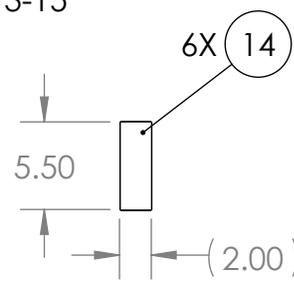
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TE-19113-12



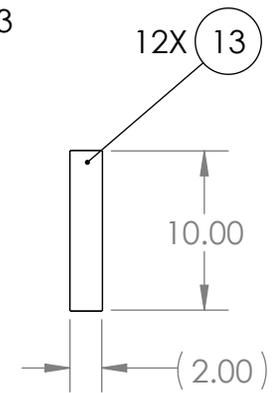
Note:  
2"x 4" Pine lumber

TE-19113-15



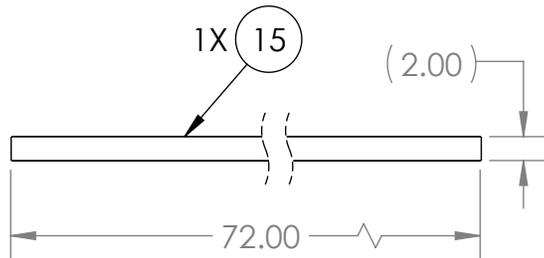
2" Vison Tape

TE-19113-13



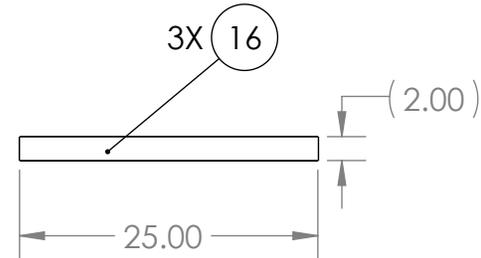
2" Hook Fastener

TE-19113-16



2" Hook Fastener

TE-19113-17



2" Hook Fastener

B

B

A

A

2

1

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		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: **Full Rocket**

SIZE **A** DWG. NO. **TE-19113** REV

SCALE: 1:32 WEIGHT: SHEET 11 OF 11