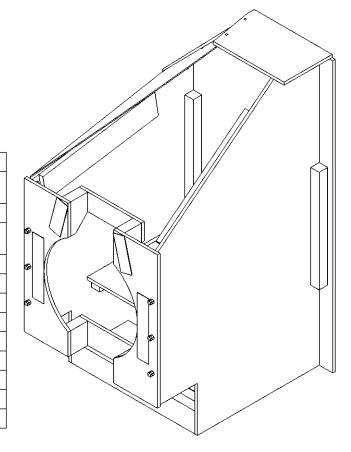
ITEM NO.	PART NUMBER	QTY.
1	TE-19107-01	1
2	TE-19107-02	1
3	TE-19107-03	1
4	TE-19107-04	1
5	TE-19107-05	1
6	TE-19107-06	2
7	TE-19107-07	1
8	TE-19107-08	6
9	TE-19107-09	2
10	TE-19107-10	9
11	TE-19107-11	3
12	TE-19107-12	2
13	TE-19107-13	4
14	TE-19107-14	4
15	TE-19107-15	2
16	TE-19107-16	2
17	TE-19107-19	2
18	TE-19107-20	2
19	Tee nut .375_16	6
20	hex nut375_16	6
21	hex375_16625	6

В

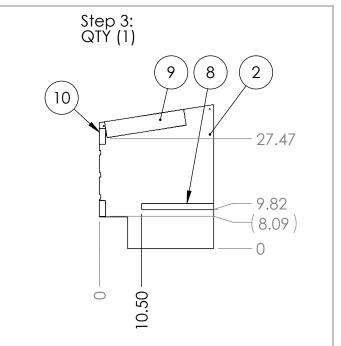
Material	QTY
15/32" (1/2") A/C or CDX Plywood	1.5 sheets
1/8" Hardboard	.25 sheet
23/32"(3/4") A/C or CDX Plywood	.125 sheet
2"x 2"x 8"	1.5
2"x 4"x 8"	1
TEE nut 3/8"-16	6
Hex Nut 3/8"-16	6
Hex Head 3/8"-16 x .75	6
2" Hook Fastener	63.5"
2" Vison Tape	11"
1.25" wood screws	50
2.5" wood screws	25



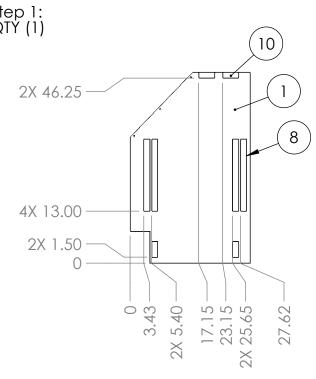
				UNLESS OTHERWISE SPECIFIED:		NAME	DATE	FIRST. BOROTICS 25 SOLIDWORKS		
				DIMENSIONS ARE IN INCHES	DRAWN			COMPETITION Modeling Solutions Partner		
`				TOLERANCES: FRACTIONAL±1/16	CHECKED			TITLE:		
				ANGULAR: MACH±1° BEND ±1° TWO PLACE DECIMAL ±.01	ENG APPR.			Cargo Front		
				THREE PLACE DECIMAL ±.001	MFG APPR.					
				INTERPRET GEOMETRIC	Q.A.			Single		
	PROPRIETARY AND CONFIDENTIAL				COMMENTS:			J. 1913		
	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF			MATERIAL				SIZE DWG. NO.		
	FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	NEXT ASSY	USED ON	FINISH				A 1E-1910/		
		APPLI	CATION	DO NOT SCALE DRAWING	-			SCALE: 1:24 WEIGHT: SHEET 1 OF 14		

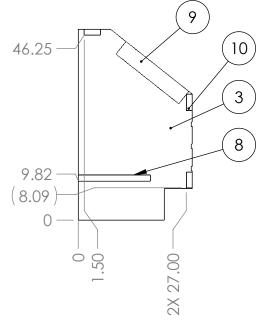
В





В





Note:

Attach 10 8 to 1

Spacing between 8 is for 1/2" Plywood

Use a scrap piece of plywood help set spacing Pre-drill and use 1.25" wood screws

Note:

Attach 8 10 9 to 3

Pre-drill and use 1.25" wood screws

Note:

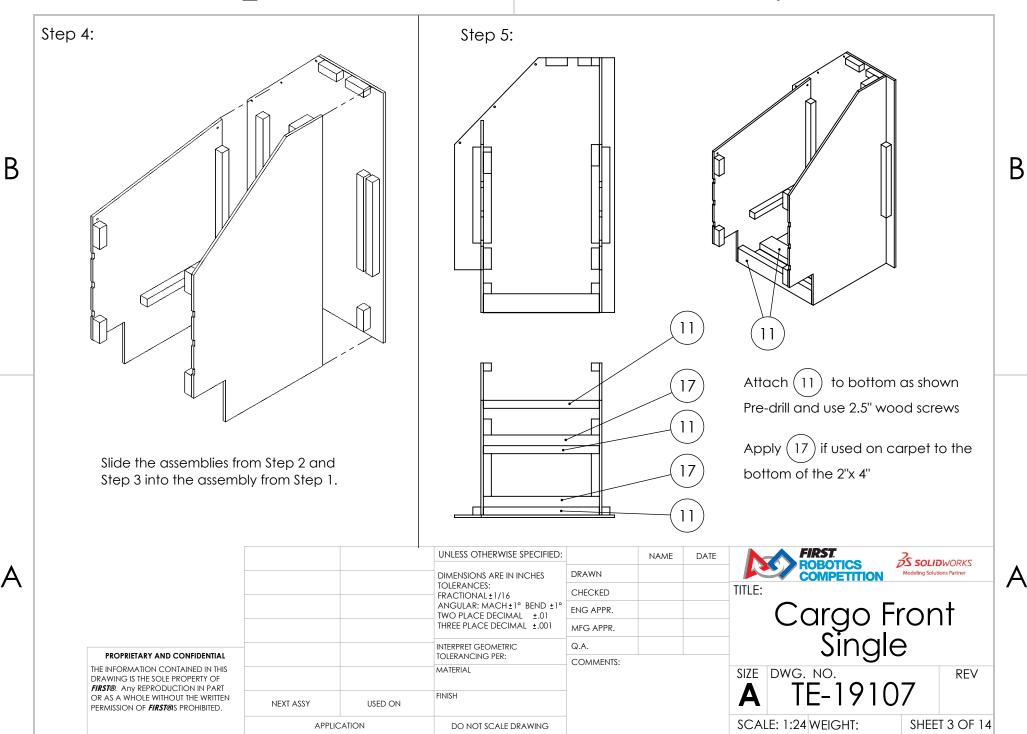
Attach (10)(9)(8) to (2)

Pre-drill and use 1.25" wood screws

Α

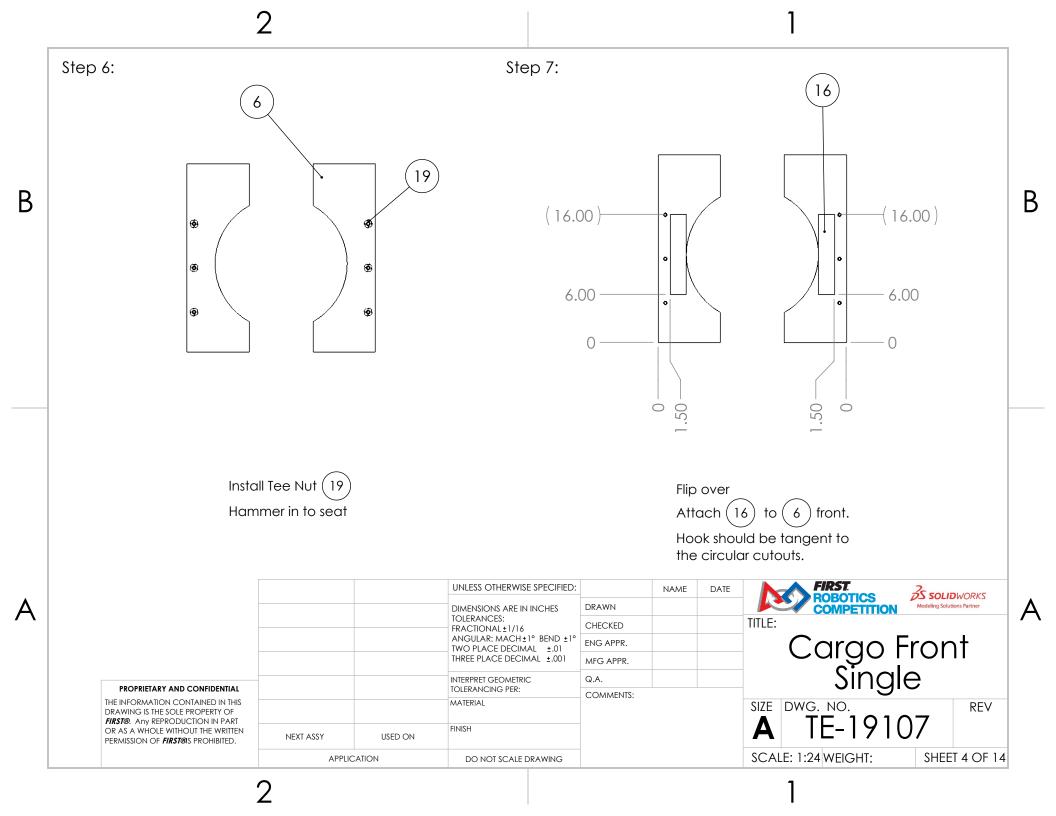
В

			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	FIRST. POROTICS	S SOLIDWORKS	
			DIVILITOIO TO THE IT IT CITED	DRAWN				Modeling Solutions Partner	
_		TOLERANCES: FRACTIONAL±1/16	CHECKED			TITLE:			
			TWO PLACE DECIMAL ±.01	ENG APPR.			Cargo Front		
				MFG APPR.					
			INTERPRET GEOMETRIC	Q.A.			Single	ž	
PROPRIETARY AND CONFIDENTIAL			TOLERANCING PER:	COMMENTS:			911 1919		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. Any REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST®S PROHIBITED.			MATERIAL					REV	
	NEXT ASSY	USED ON	FINISH				A TE-1910	/	
	APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:24 WEIGHT:	SHEET 2 OF 14	

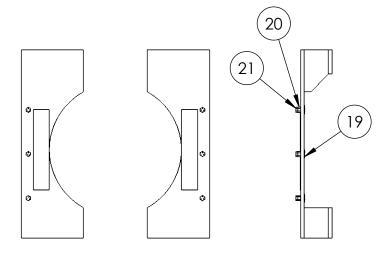


2

•







Note:

Attach(21) (20), then attach to (19)

Repeat for all instances

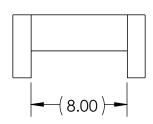
DRAWING IS THE SOLE PROPERTY OF

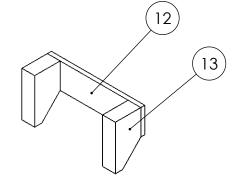
PERMISSION OF FIRST®IS PROHIBITED.

FIRST®. Any REPRODUCTION IN PART

OR AS A WHOLE WITHOUT THE WRITTEN

Step 9:





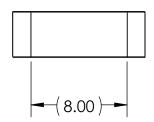
Note:

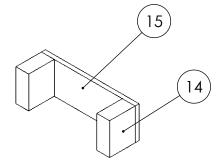
Attach (13) to (12) as shown

Pre-drill and use 1.25" screws

COMMENTS:

Step 10:





Note:

Attach (14) to (15) as shown Pre-drill and use 1.25" screws

UNLESS OTHERWISE SPECIFIED:

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

FINISH

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS

THE INFORMATION CONTAINED IN THIS

THE INFORMATION CONTAINED IN THIS

NEXT ASSY USED ON DO NOT SCALE DRAWING

NAME DATE

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

TITLE:

FIRST:
ROBOTICS
COMPETITION



В

Cargo Front Single

TE-19107

SCALE: 1:24 WEIGHT:

SHEET 5 OF 14

REV

A

В

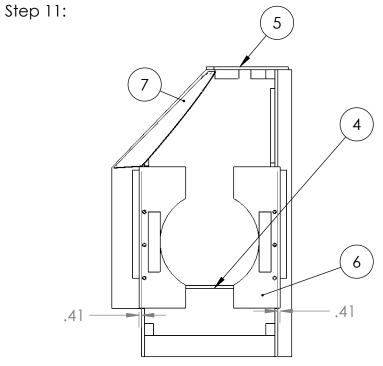
2

•

В



В



Note:

Attach (6) to assembly, with an overhang of .41 "; pre-drill and

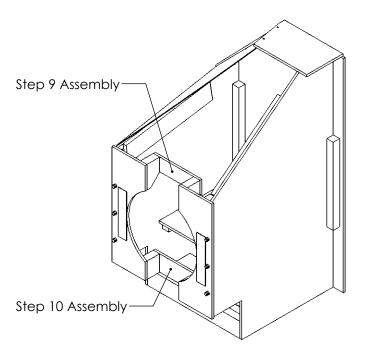
use 1.25" screws

Attach 5 to assembly; pre-drill and use 1.25" screws

Attach (7) to (5) and rest of assembly with cable ties

Attach $\begin{pmatrix} 4 \end{pmatrix}$ to $\begin{pmatrix} 8 \end{pmatrix}$; pre-drill and use 1.25" screws

Step 12:



Note:

Attach assembly from Step 9 flush to the opening and top of 6 Attach assembly from Step 10 flush to the opening and bottom of

(6)

Pre-drill and use 2.5" screws

A

\bigcirc								
			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	FIRST. ROBOTICS 25 SOLIDWORKS	
			DIMENSIONS ARE IN INCHES	DRAWN			COMPETITION Modeling Solutions Partner	
			TOLERANCES: FRACTIONAL±1/16	CHECKED			TITLE:	
			ANGULAR: MACH±1° BEND ±1° TWO PLACE DECIMAL ±.01	ENG APPR.			Cargo Front	
			THREE PLACE DECIMAL ±.001	MFG APPR.			Cargo Horn	
DDODDIETA DV. AND CONFIDENTIAL			INTERPRET GEOMETRIC	Q.A.			Single	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST®S PROHIBITED.			TOLERANCING PER:	COMMENTS:			311.19.3	
			MATERIAL				SIZE DWG. NO.	
	NEXT ASSY	USED ON	FINISH				A TE-19107	
	APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:24 WEIGHT: SHEET 6 OF 14	

