

B

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2

1A

SOLIDWORKS
Modeling Solutions Partner

TITLE:

Single Bay Side

SIZE	PRICE	SALES
Small	10	100
Medium	20	200
Large	30	300

DWG. NO.	
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REV

A

TE-19106

SCALE: 1:24 WEIGHT:

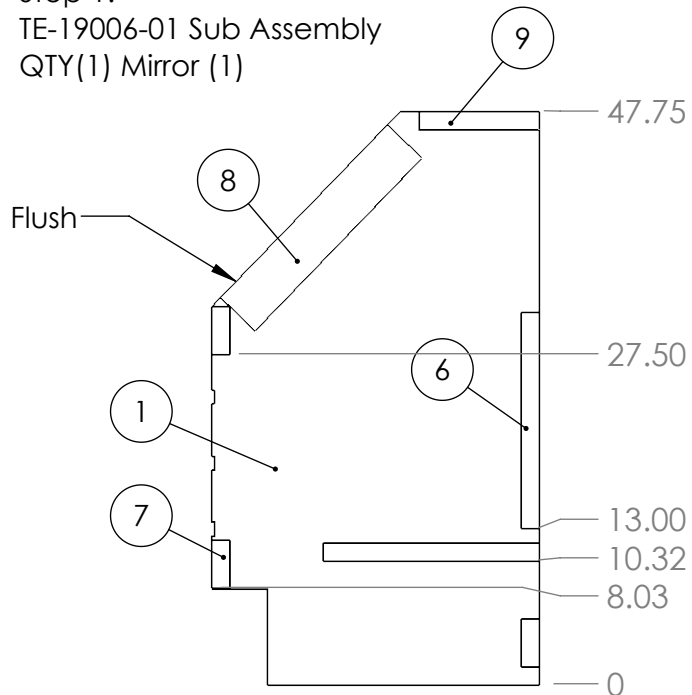
SHEET 1 OF 12

1

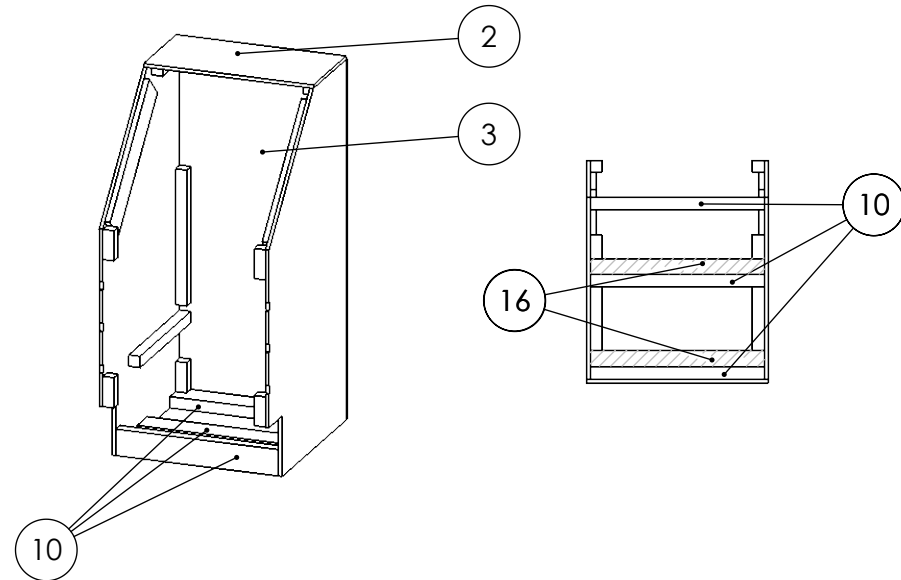
2

1

Step 1:
TE-19006-01 Sub Assembly
QTY(1) Mirror (1)



Step 2:



Notes:

Attach (9) (6) and (8) flush to (1) as indicated
and touching (7).
Pre-drill and attach using 1.25" screws.

Notes:

Connect the assemblies from step 1 with three (10), (2) and (3).
Attach using 1.25" and 2.5" screws.
If using on carpet add (16) to bottom of (10)

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DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL $\pm 1/16$
ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$
TWO PLACE DECIMAL $\pm .01$
THREE PLACE DECIMAL $\pm .001$

INTERPRET GEOMETRIC
TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

NAME DATE

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:



TITLE:

Single Bay Side

SIZE DWG. NO. REV
A TE-19106

SCALE: 1:24 WEIGHT: SHEET 2 OF 12

Notes:

2

1

B

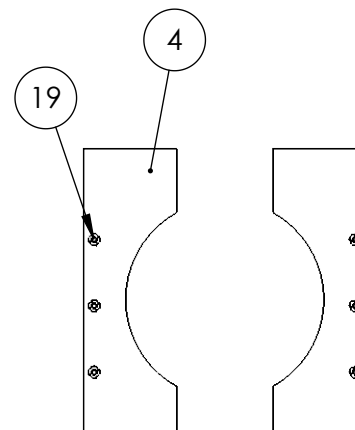
A

Attach (15) to (4) .

15) should be tangent to circular cutout.

B

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Flip assembly from Step 3 over .

Insert (19) to all holes on (4), hammer in to seat.

2

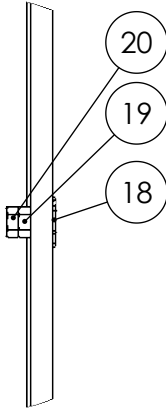
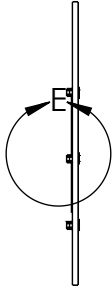
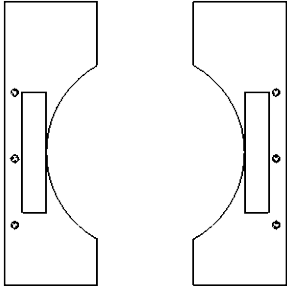
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1

2

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Step 5:



Notes:
Thread (19) all the way on to (20) .
Insert into (18) repeat, for all instances.

DETAIL E
SCALE 1 : 4

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		THREE PLACE DECIMAL $\pm .001$
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		



**FIRST
ROBOTICS
COMPETITION**



TITLE:
Single Bay Side

SIZE	DWG. NO.	REV
A	TE-19106	
SCALE: 1:24		WEIGHT:
		SHEET 4 OF 12

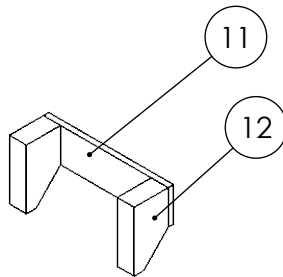
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1

2

1

Step 6:

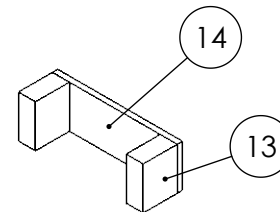


Notes:

Attach (12) to (11).

Pre-drill and attach using 1.25" long screws

Step 7:



Notes:

Attach (13) to (14).

Pre-drill and attach using 1.25" long screws

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



FIRST
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SOLIDWORKS
Modeling Solutions Partner

TITLE:

Single Bay Side

SIZE	DWG. NO.	REV
A	TE-19106	
SCALE: 1:24 WEIGHT:		SHEET 5 OF 12

2

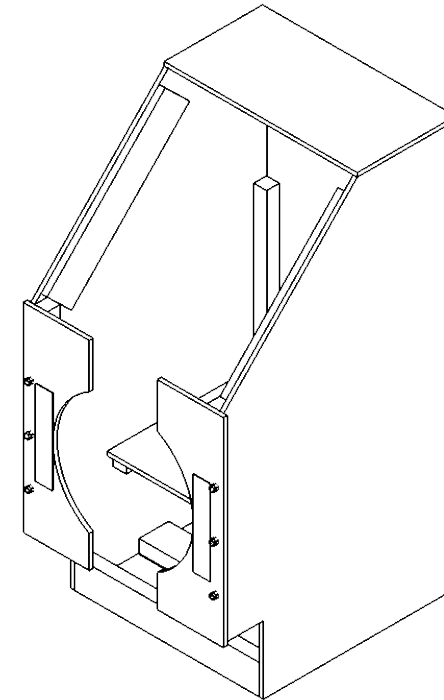
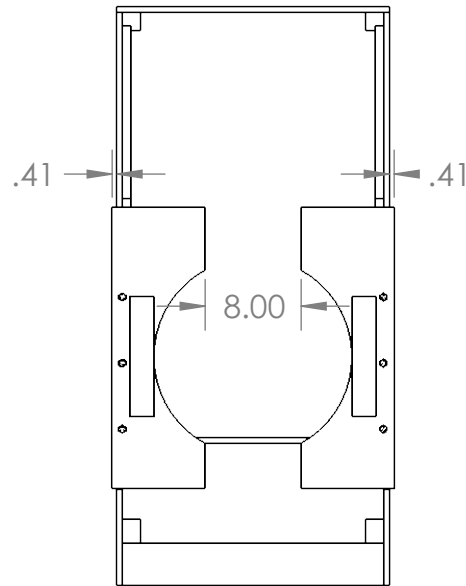
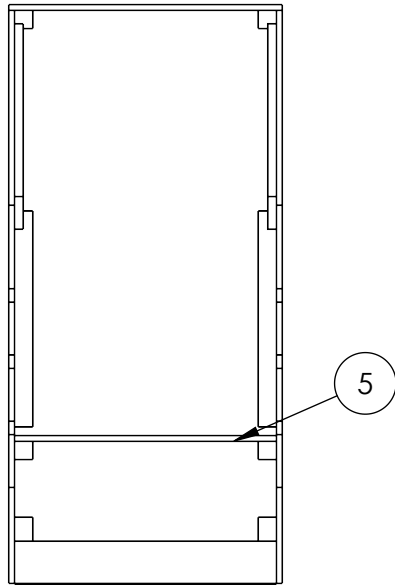
1

2

1

Step 8:

Step 9:



Notes:

Attach (5) flush to the cleats of step 2.
Pre drill and attach with 1.25" screws.

Notes:

Attach assemblies from Step 5 to Step 8
Pre drill and use 1.25" screws. Step 5
over hangs .41 on both sides.

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		THREE PLACE DECIMAL $\pm .001$
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		MATERIAL
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		



TITLE:

Single Bay Side

SIZE	DWG. NO.	REV
A	TE-19106	
SCALE: 1:24 WEIGHT:		SHEET 6 OF 12

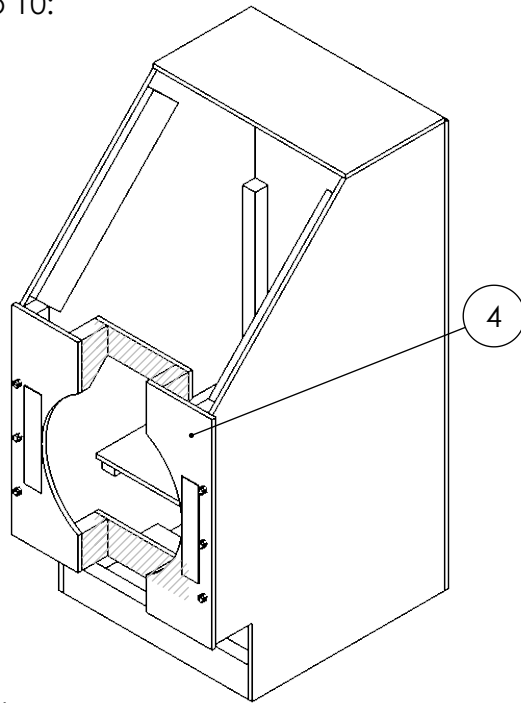
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1

2

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Step 10:



Notes:

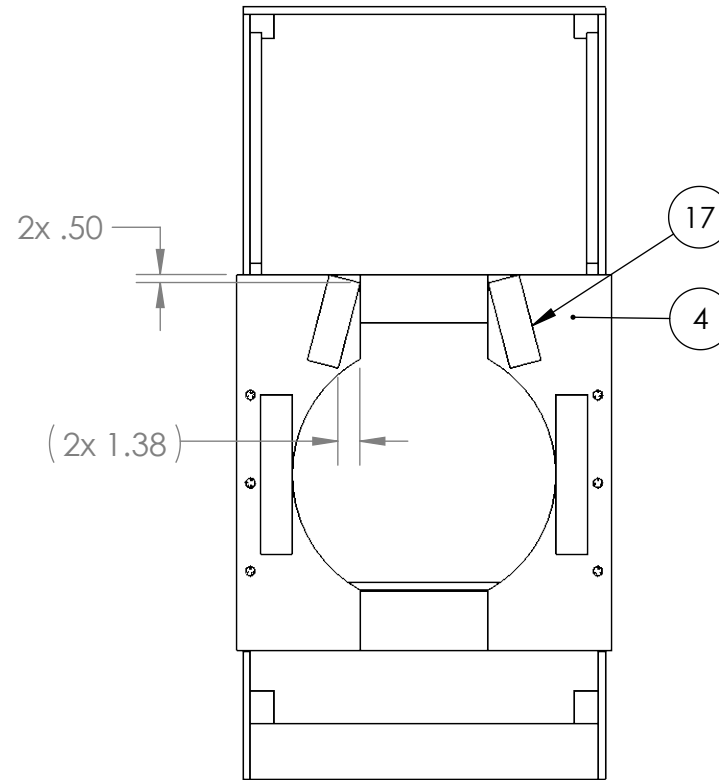
Attach Step 6 and Step 7 to (4).

Step 6 Flush to opening and to Top of (4).

Step 7 Flush to opening and to bottom of (4).

Pre drill and attach using 2.5" wood screws.

Step 11:



Notes:

Attach (17) to (4), mirror for the other side

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



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SOLIDWORKS
Modeling Solutions Partner

TITLE:

Single Bay Side

SIZE

A

DWG. NO.

TE-19106

REV

SCALE: 1:24 WEIGHT:

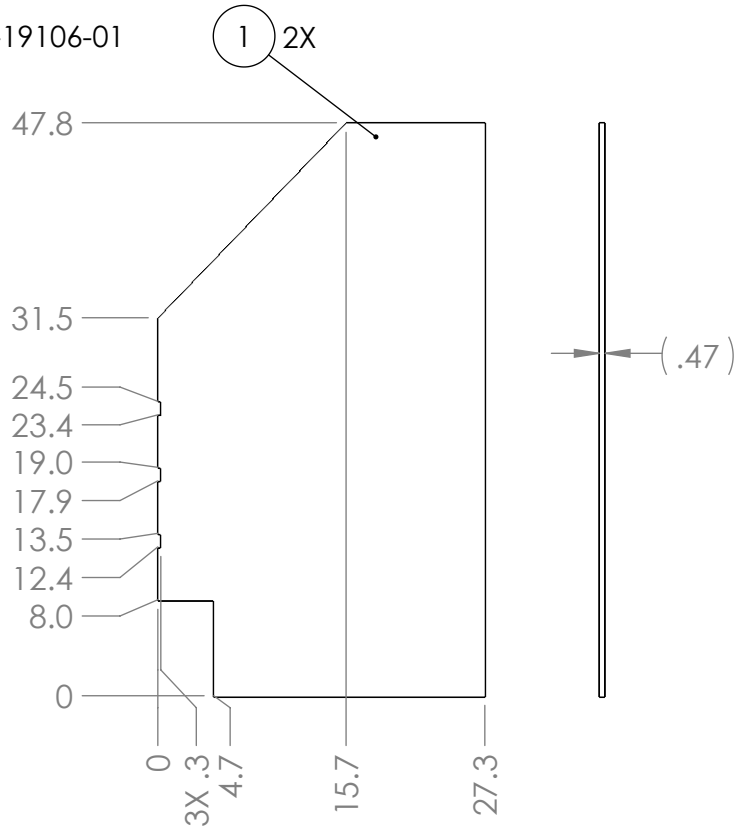
SHEET 7 OF 12

2

1

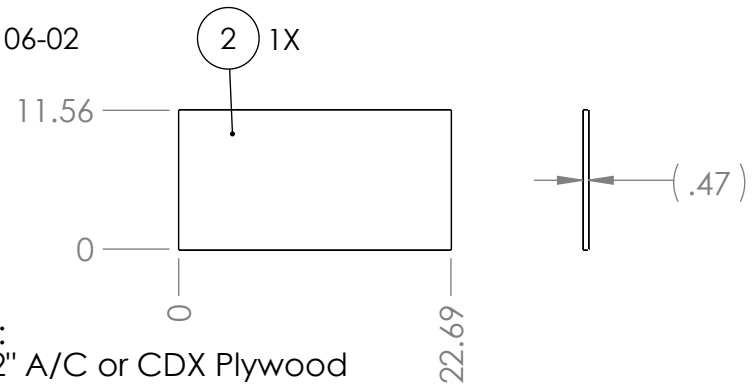
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TE-19106-01



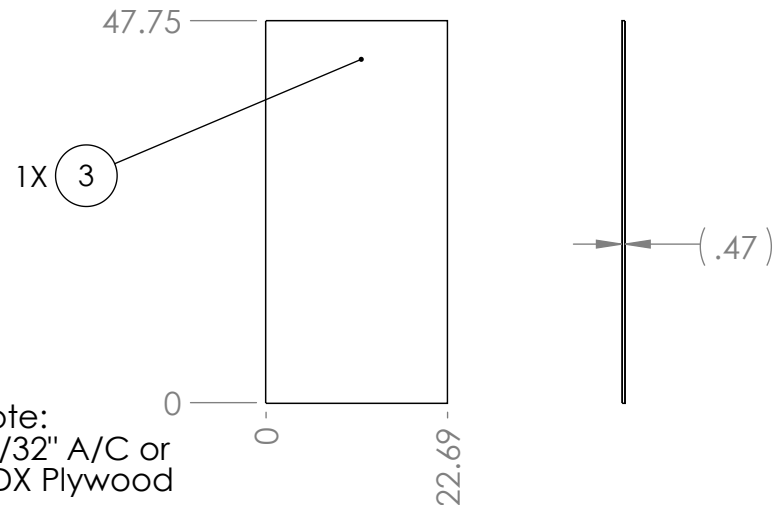
Note:
15/32" A/C or CDX Plywood

TE-19106-02



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

TE-19106-03



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

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		ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$		MFG APPR.	
		TWO PLACE DECIMAL $\pm .01$		Q.A.	
		THREE PLACE DECIMAL $\pm .001$		COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
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**FIRST
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COMPETITION**

SOLIDWORKS
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TITLE:

Single Bay Side

SIZE

A

DWG. NO.

TE-19106

REV

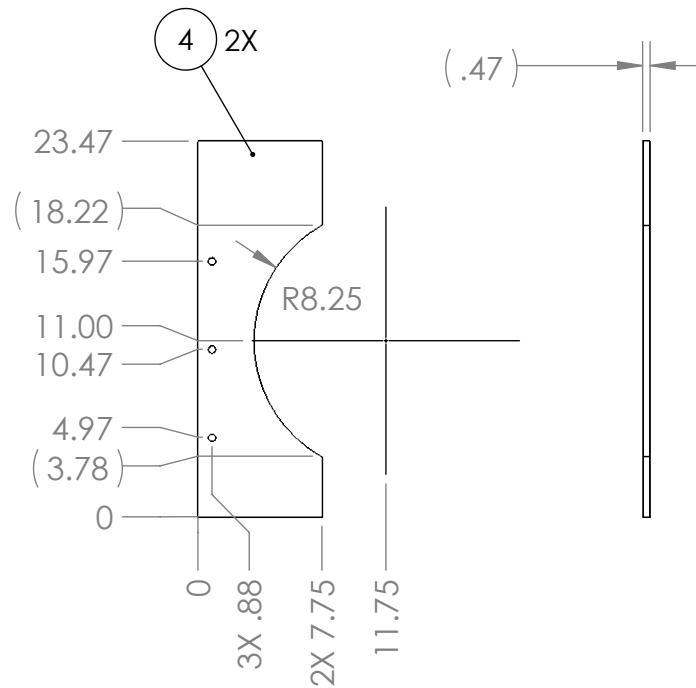
SCALE: 1:24 WEIGHT:

SHEET 8 OF 12

2

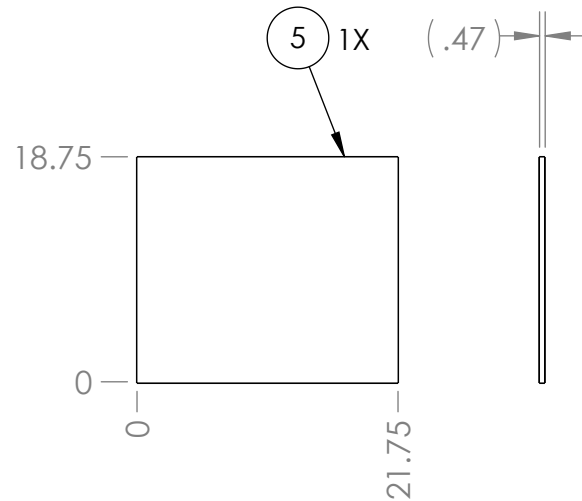
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TE-19106-04



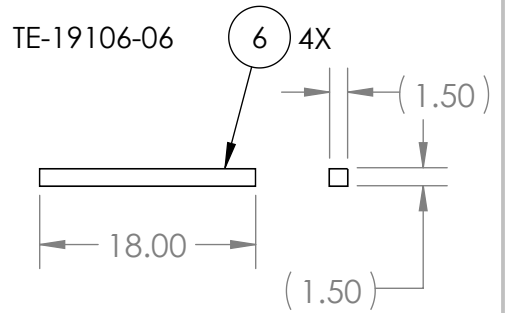
Note:
15/32" A/C or CDX Plywood

TE-19106-05



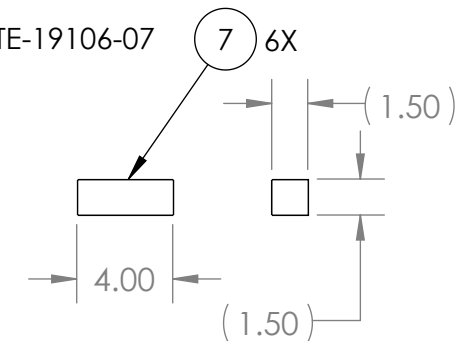
Note:
15/32" A/C or CDX Plywood

TE-19106-06



Note:
2" x 2" Pine Lumber

TE-19106-07



Note:
2" x 2" Pine Lumber

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NEXT ASSY

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APPLICATION

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ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$
TWO PLACE DECIMAL $\pm .01$
THREE PLACE DECIMAL $\pm .001$

INTERPRET GEOMETRIC
TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

NAME

DATE



TITLE:

Single Bay Side

SIZE

DWG. NO.

REV

A

TE-19106

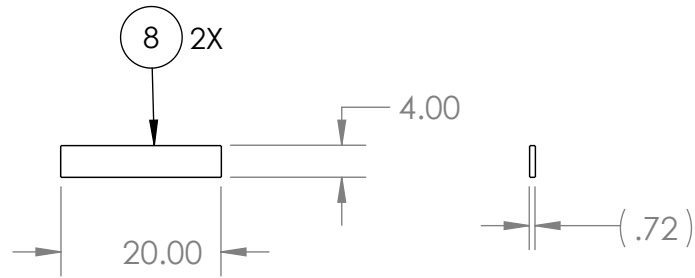
SCALE: 1:24 WEIGHT:

SHEET 9 OF 12

2

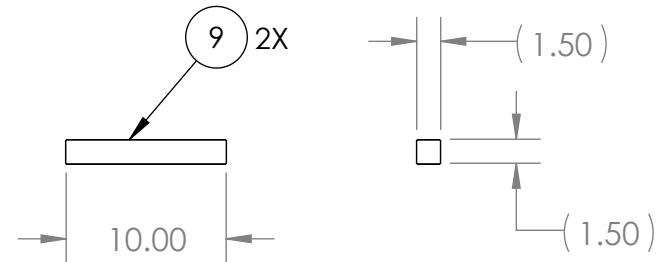
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TE-19106-08



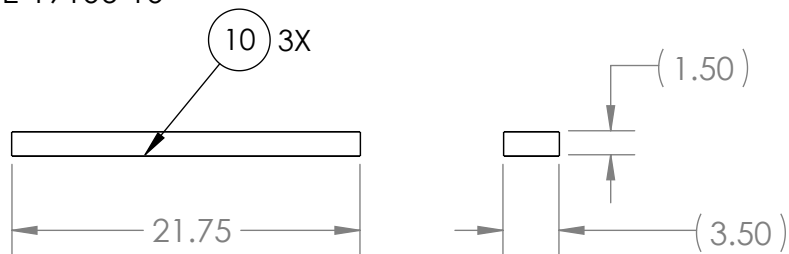
Note:
23/32" A/C or CDX Plywood

TE-19106-09



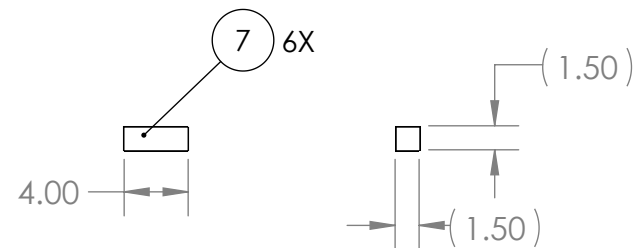
Note:
2" x 4" Pine Lumber

TE-19106-10



Note:
2" x 4" Pine Lumber

TE-19106-07



Note:
2" x 4" Pine Lumber

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NEXT ASSY

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APPLICATION

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ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$
TWO PLACE DECIMAL $\pm .01$
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INTERPRET GEOMETRIC
TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

NAME DATE

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MFG APPR.

Q.A.

COMMENTS:



TITLE:

Single Bay Side

SIZE

A

DWG. NO.

TE-19106

REV

SCALE: 1:24 WEIGHT:

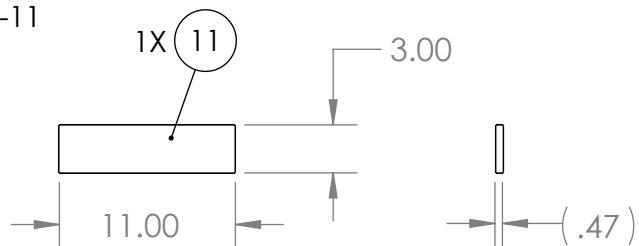
SHEET 10 OF 12

2

1

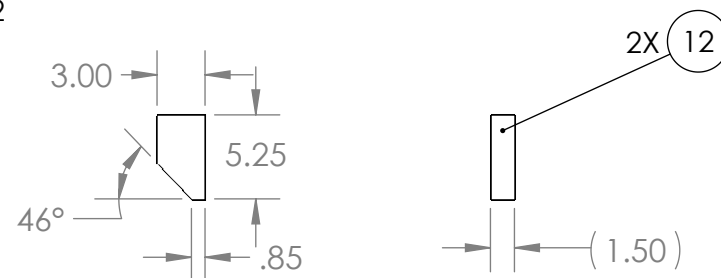
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TE-19106-11



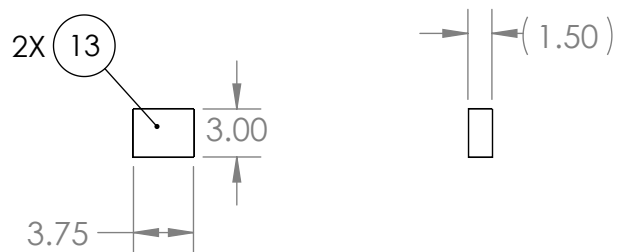
Note:
15/32" (1/2") A/C or CDX Plywood

TE-19106-12



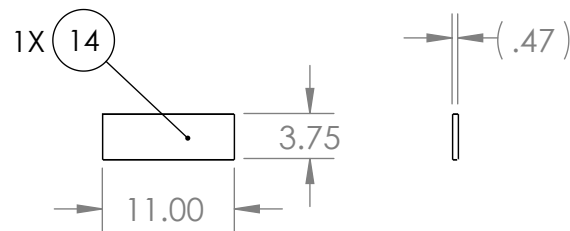
Note:
2"X4" Pine Lumber

TE-19106-13



Note:
2"X4" Pine Lumber

TE-19106-14



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

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TITLE:

Single Bay Side

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DWG. NO.

TE-19106

REV

SCALE: 1:24 WEIGHT:

SHEET 11 OF 12

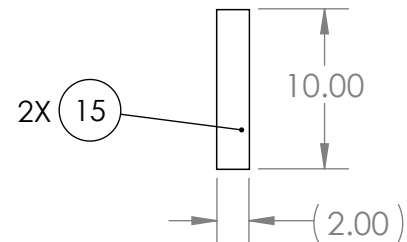
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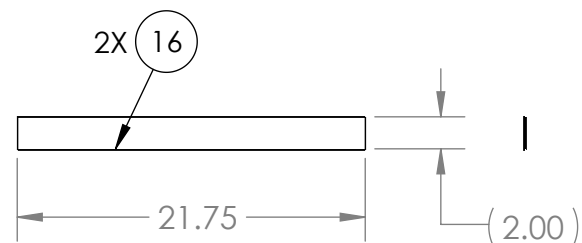
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TE-19106-15



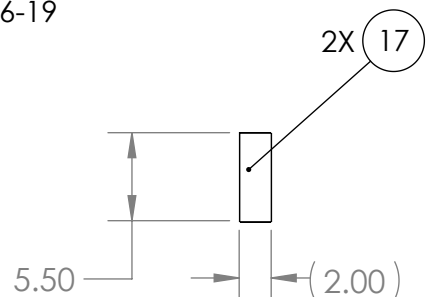
Note:
2" Hook Fastener

TE-19106-18



Note:
2" Hook Fastener

TE-19106-19



Note:
2" Vison tape

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SCALE: 1:24 WEIGHT:

SHEET 12 OF 12

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1