


ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	FE-00001	4	Drivers Sta. Support Assembly	See Drawing
2	FE-00002-L	1	Corner Supports, Left	See Drawing
3	FE-00002-R	1	Corner Supports, Right	See Drawing
4	FE-00004	3	End Panel	See Drawing
5	FE-00007	3	Field Top Rail	See Drawing
6	FE-00012	3	Drivers Station Acrylic	See Drawing
7	GE-09031	1	Top Rail - Corner	See Drawing
8	GE-16003	1	hp station	See Drawing
9	GE-16004	1	tower assembly	See Drawing
10	GE-16090	1	ball corral	See Drawing
11	GE-16097	1	scoring panel assembly	See Drawing
12	GE-16120	1	ball inlet window	See Drawing
13	GE-16121	1	brattice assembly	See Drawing
14	GE-16124	3	standard holder assembly	See Drawing
15	GE-16126	3	flag	See Drawing
16	GE-16127	2	EMBRASURE COVER	See Drawing
17	GE-16128	6	embrasure trim	See Drawing
18	GE-16129	1	crenellation 1, assembly	See Drawing
19	GE-16131	1	crenellation 2, assembly	See Drawing
20	GE-16133	1	crenellation 3, assembly	See Drawing
21	GE-16135	1	crenellation 4, assembly	See Drawing
22	GE-16137	1	batter ramp, middle	See Drawing
23	GE-16138	2	batter ramp, low goal	See Drawing
24	GE-16139	2	batter ramp, corner	See Drawing
25	GE-16140	1	batter ramp, half corner 1	See Drawing
26	GE-16141	1	batter ramp, half corner 2	See Drawing
27	GE-16185	2	CORNER BATTER PLASTIC ASSEMBLY	See Drawing
28	GE-16186	3	MIDDLE BATTER PLASTIC ASSEMBLY	See Drawing
29	GE-16187	1	1/2 CORNER BATTER PLASTIC ASSEMBLY	See Drawing
30	GE-16188	1	1/2 CORNER BATTER PLASTIC ASSEMBLY R	See Drawing



FIRST

DRAWN BY

CHECKED BY

APPROVED BY

DATE

DATE

DATE

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XXX ±0.01
X.XXX ±0.001
ANG ±1

DO NOT SCALE

TITLE

PROJECT

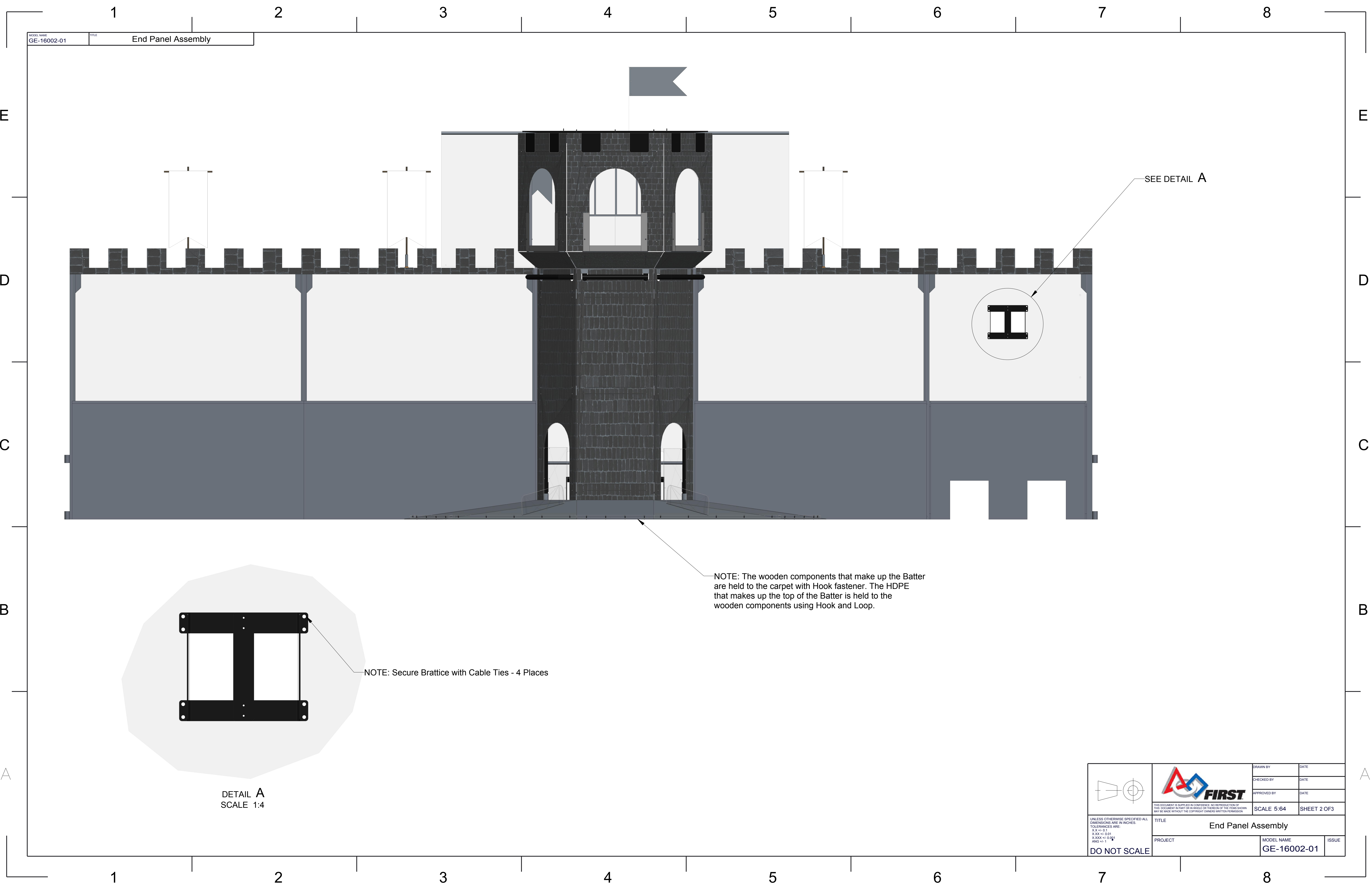
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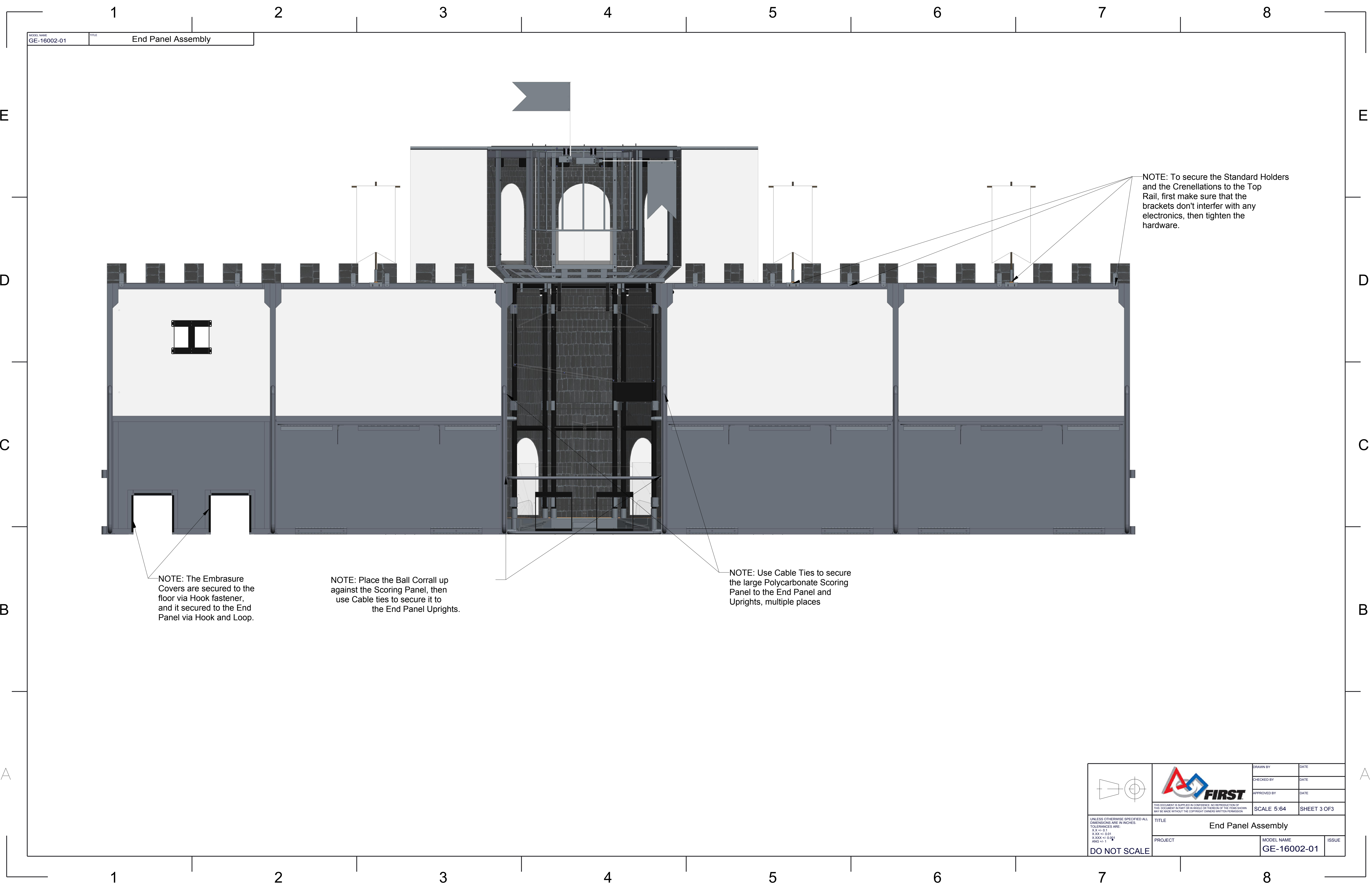
GE-16002-01

SCALE 1:64

SHEET 1 OF 3



ISSUE

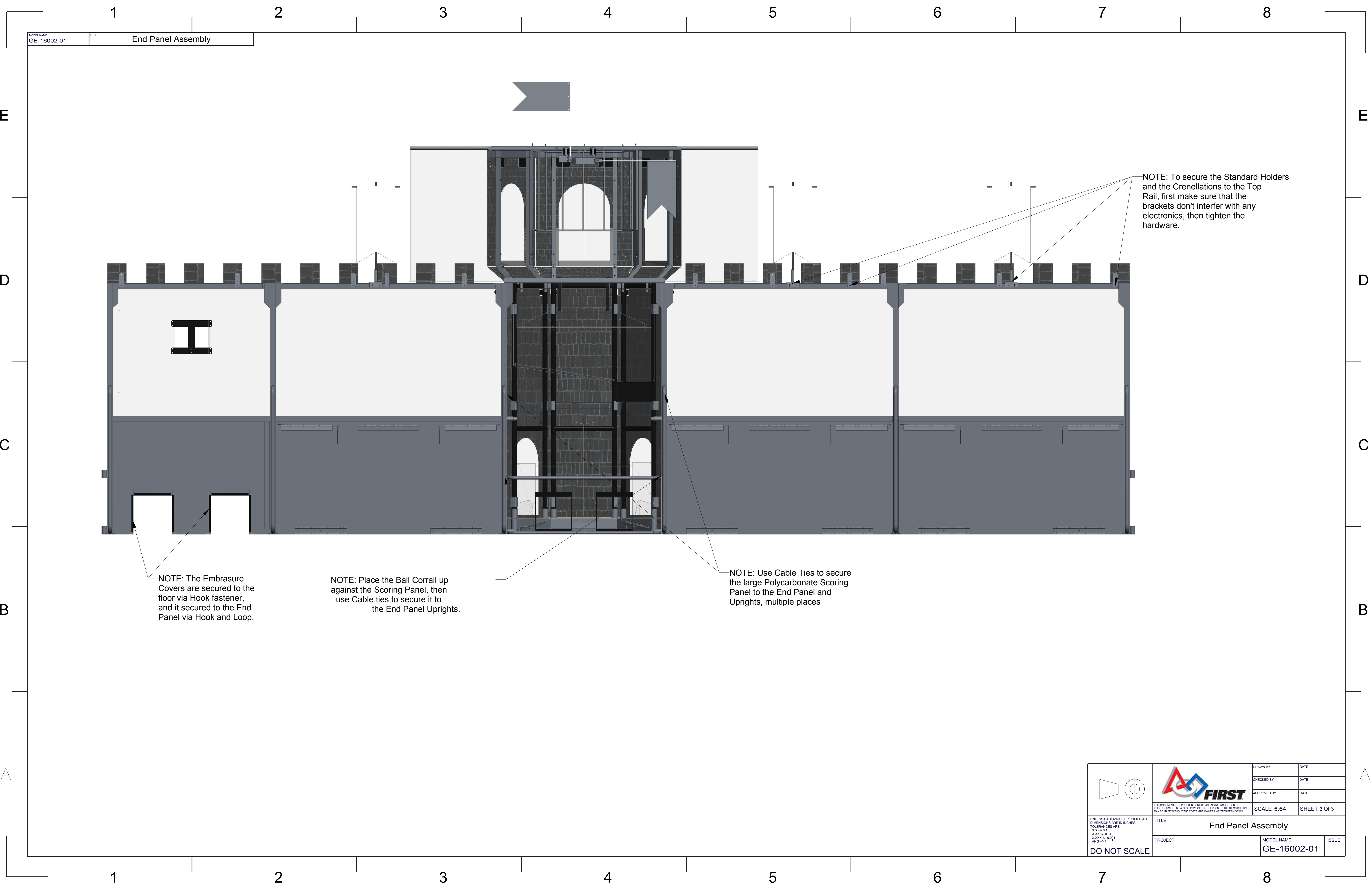






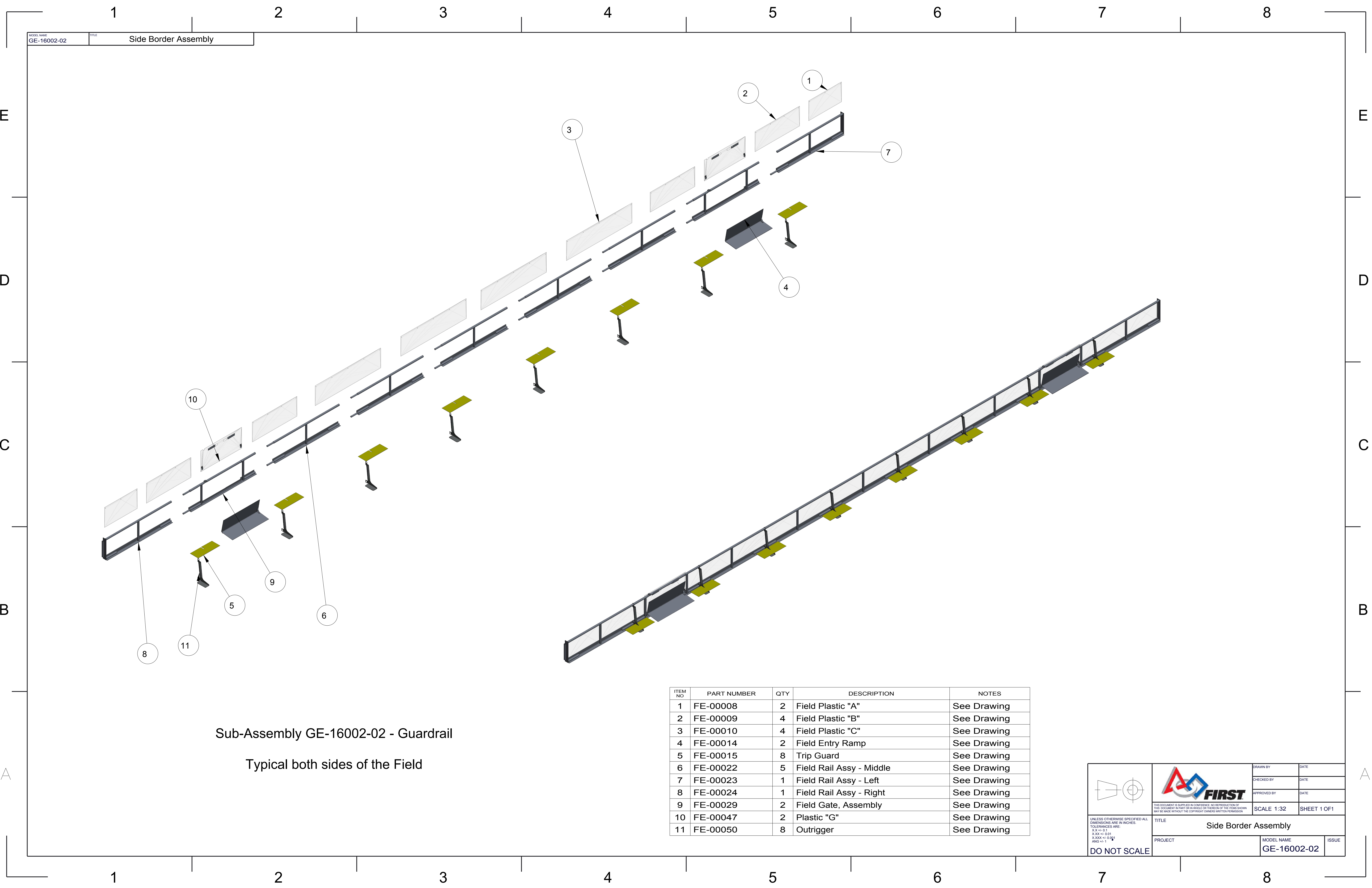
MODEL NAME
GE-16002-01

TITLE
End Panel Assembly

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			CHECKED BY	DATE
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			SCALE 5:64 SHEET 3 OF 3	
TITLE End Panel Assembly				
PROJECT			MODEL NAME GE-16002-01	ISSUE

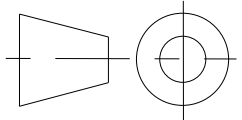


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		APPROVED BY	DATE
		SCALE 5:64	SHEET 3 OF 3
TITLE End Panel Assembly			
PROJECT		MODEL NAME GE-16002-01	ISSUE




Sub-Assembly GE-16002-02 - Guardrail
Typical both sides of the Field

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	FE-00008	2	Field Plastic "A"	See Drawing
2	FE-00009	4	Field Plastic "B"	See Drawing
3	FE-00010	4	Field Plastic "C"	See Drawing
4	FE-00014	2	Field Entry Ramp	See Drawing
5	FE-00015	8	Trip Guard	See Drawing
6	FE-00022	5	Field Rail Assy - Middle	See Drawing
7	FE-00023	1	Field Rail Assy - Left	See Drawing
8	FE-00024	1	Field Rail Assy - Right	See Drawing
9	FE-00029	2	Field Gate, Assembly	See Drawing
10	FE-00047	2	Plastic "G"	See Drawing
11	FE-00050	8	Outrigger	See Drawing



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X.XXX +/- 0.001
ANG +/- 1

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DRAWN BY	DATE
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APPROVED BY	DATE
SCALE 1:32 SHEET 1 OF 1	
TITLE Side Border Assembly	
PROJECT	MODEL NAME GE-16002-02
ISSUE	

D

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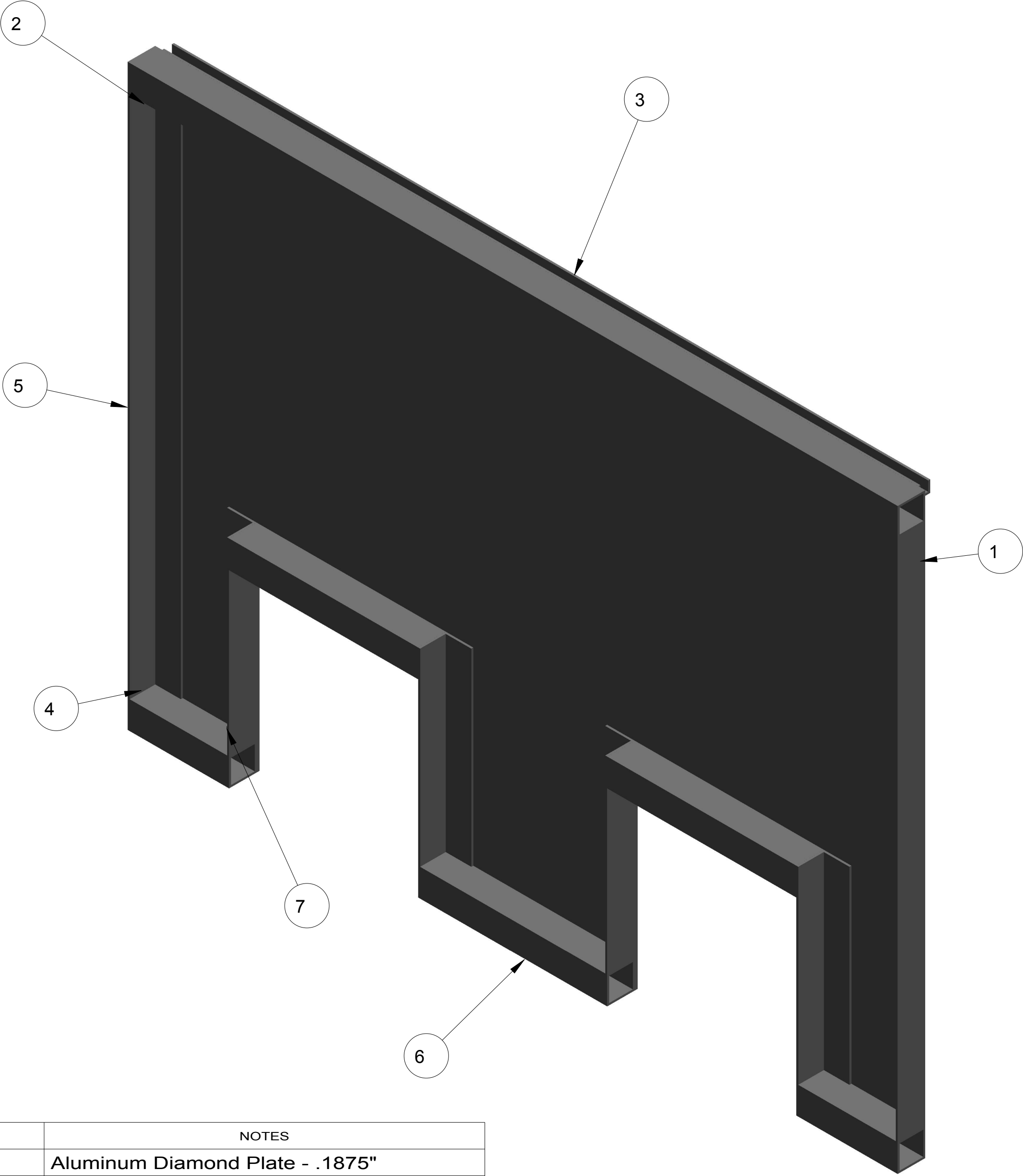
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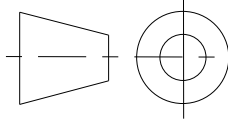

B

A

MODEL NAME	TITLE
GE-16003	HP Station



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16003-01	1	ge-16003-01.prt	Aluminum Diamond Plate - .1875"
2	GE-16003-02	1	ge-16003-02.prt	Aluminum Square Tubing - 1.75"
3	GE-16003-03	1	ge-16003-03.prt	Aluminum C-Channel - .75"
4	GE-16003-04	2	ge-16003-04.prt	Aluminum Square Tubing - 1.75"
5	GE-16003-05	2	ge-16003-05.prt	Aluminum Angle - 1.75"
6	GE-16003-06	3	ge-16003-06.prt	Aluminum Square Tubing - 1.75"
7	GE-16003-07	4	ge-16003-07.prt	Aluminum Angle - 1.75"

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		APPROVED BY	DATE
		SCALE 1:4	SHEET 1 OF 6
TITLE HP Station			
PROJECT		MODEL NAME GE-16003	ISSUE

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TOLERANCES ARE:
XX +/- 0.1
XXX +/- 0.01
XXXX +/- 0.001
ANG +/- 1

DO NOT SCALE

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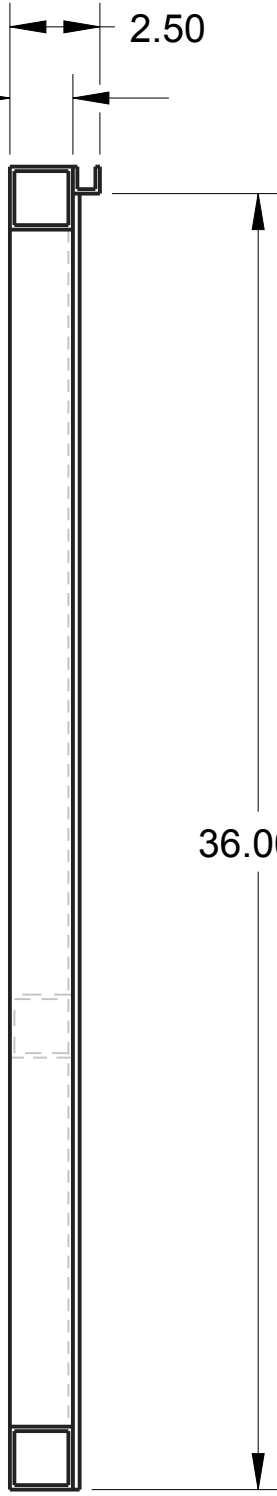
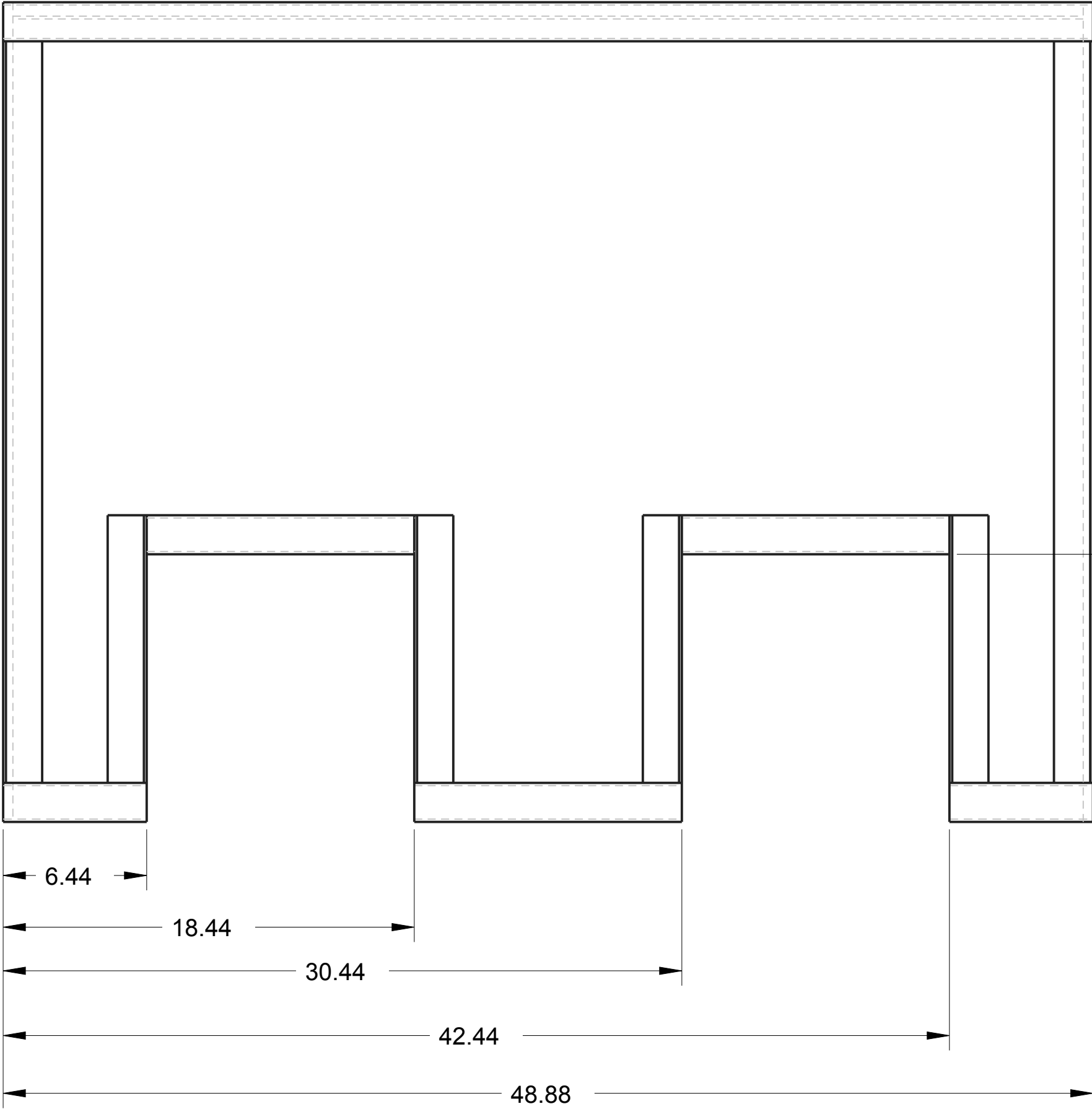
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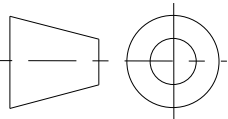
C

B

A

MODEL NAME	TITLE
GE-16003	HP Station



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		CHECKED BY	DATE
		APPROVED BY	DATE
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	PROJECT	MODEL NAME GE-16003	ISSUE
	DO NOT SCALE		

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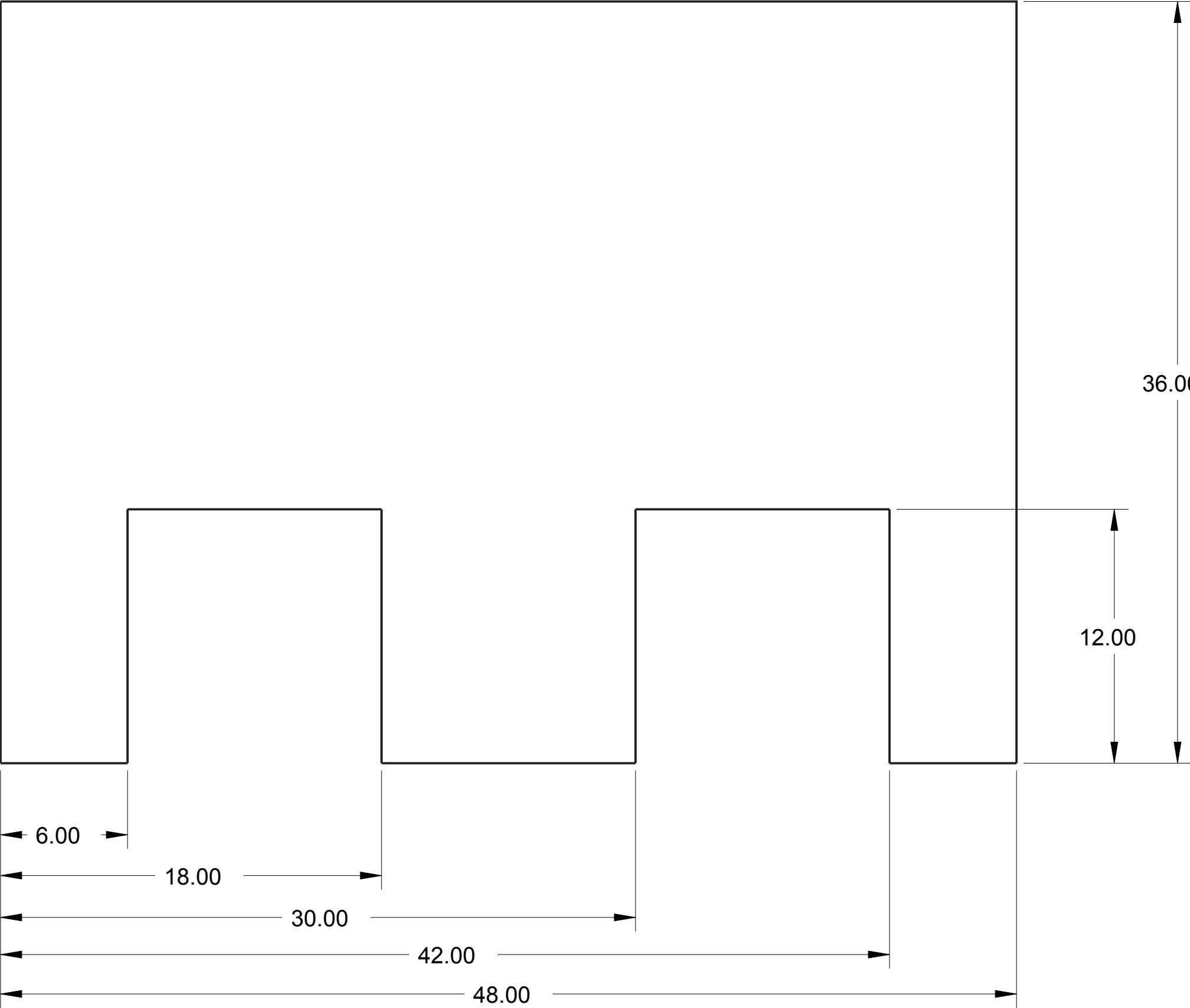
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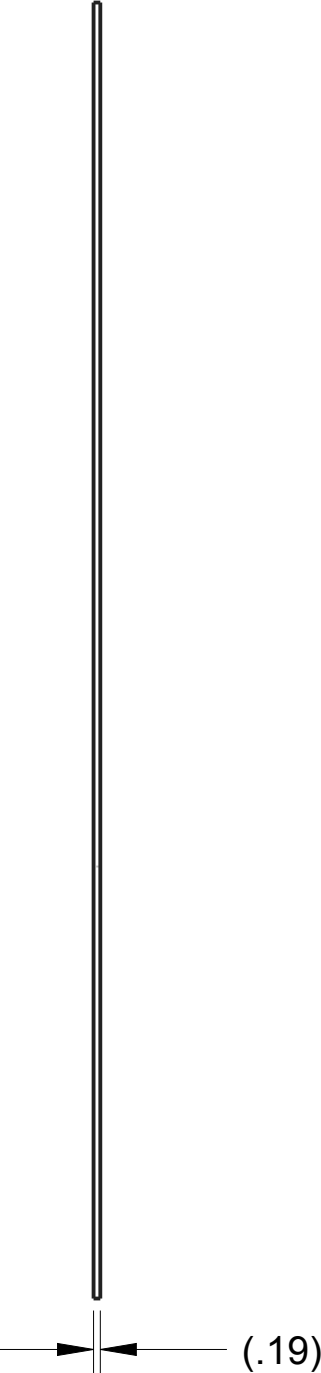
MODEL NAME	TITLE
GE-16003	HP Station



SCALE 3:16



NOTES:

- 1. Part: HP_EP_DP
- 2. Material: Aluminum Diamond Plate, .1875" Thick
- 3. Qty: 1
- 4. Scale: 3:16
- 5. Remove all sharp edges and burrs



SCALE 1:8



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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:4	SHEET 4 OF 6
TITLE HP Station			
PROJECT		MODEL NAME GE-16003	ISSUE

D

C

B

A

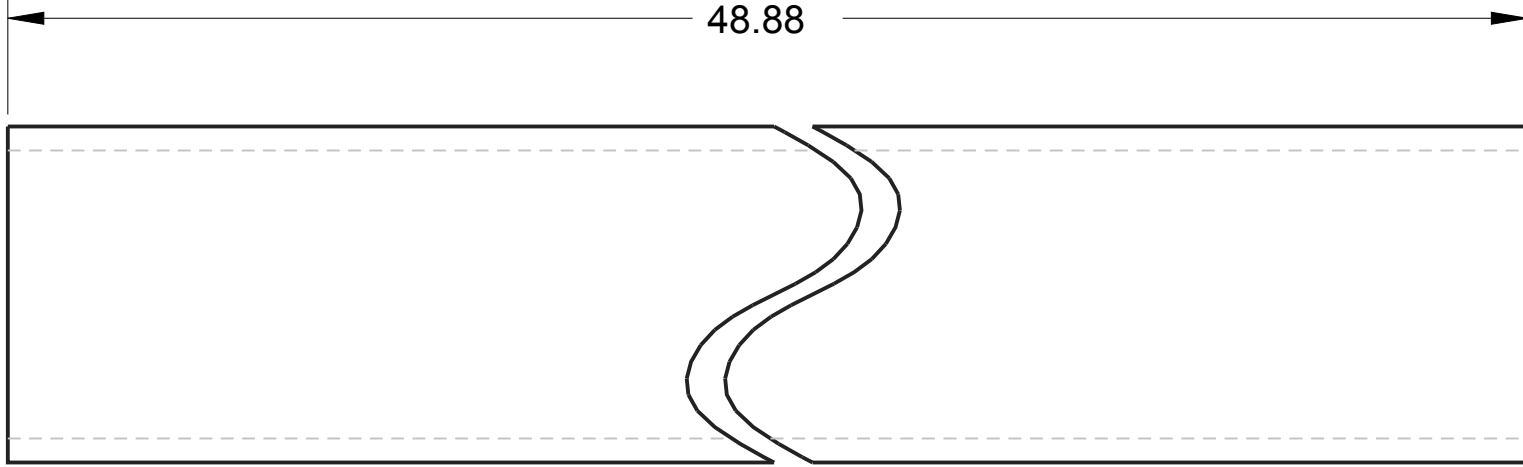
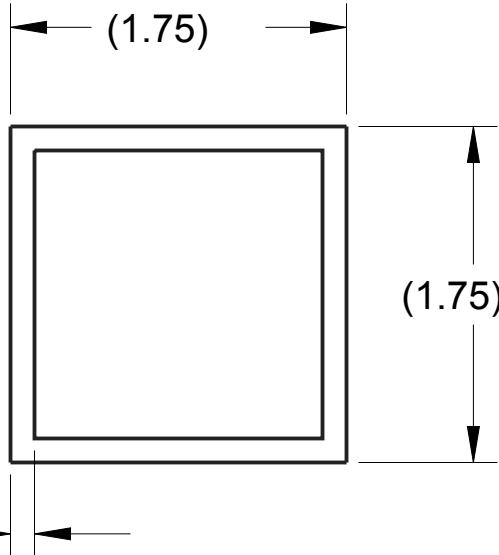
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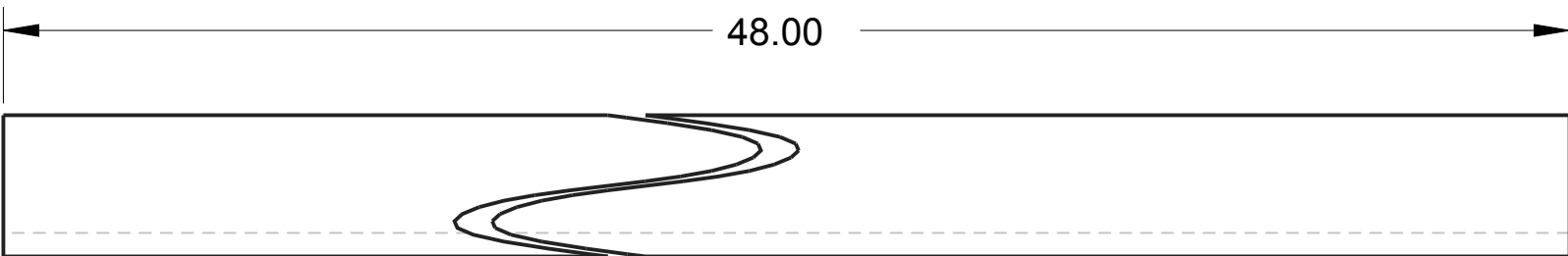
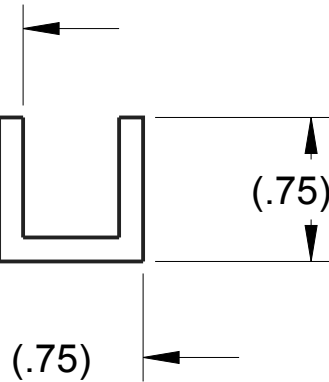
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MODEL NAME GE-16003	TITLE		
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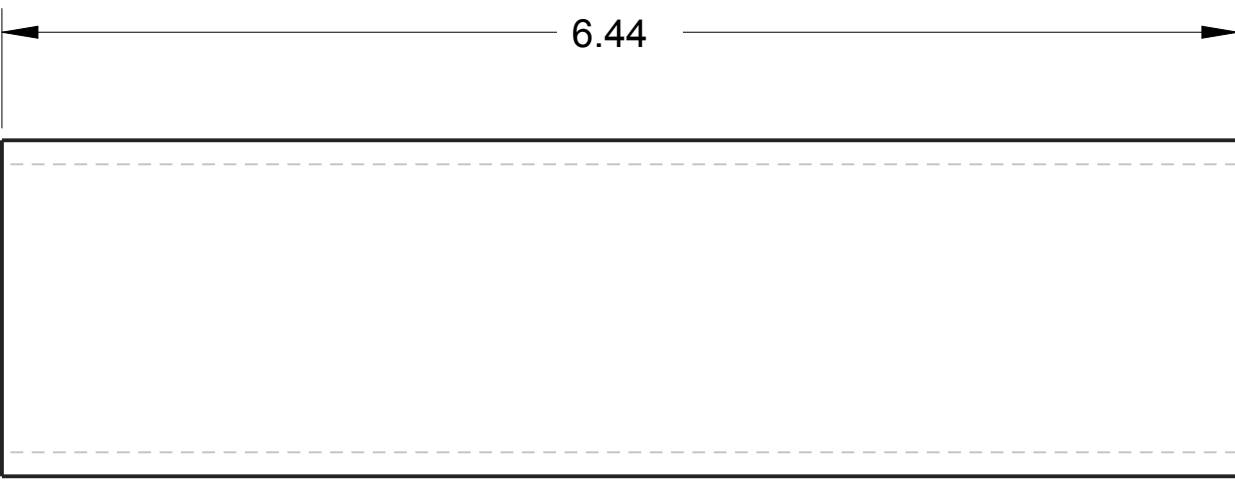
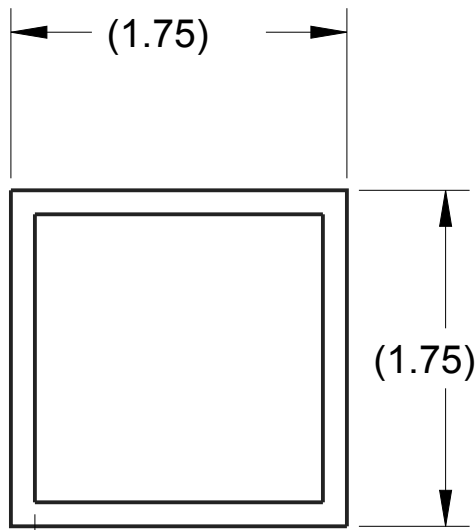
NOTE
Part: HP_EP_TUBE1
Material: 6063 Aluminum Square Tubing, 1.75"
Qty: 2
Scale: 1:1

SCALE 1:1



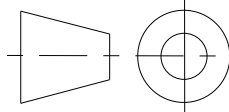

NOTE
Part: HP_DP_Channel
Material: Aluminum Channel, .75", .125" wall
Qty: 1
Scale: 1:1

SCALE 1:1

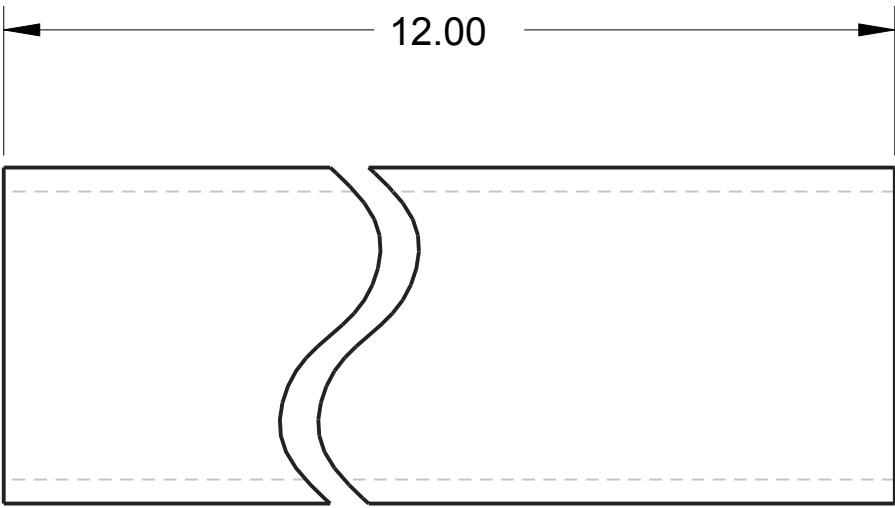
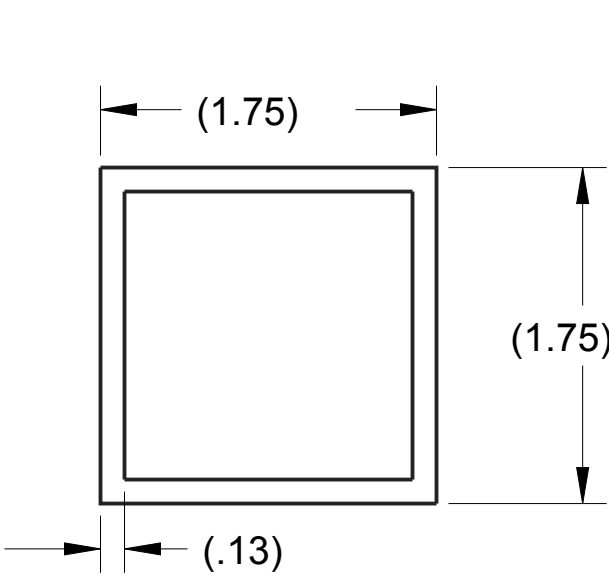


NOTE
Part: HP_EP_TUBE2
Material: 6063 Aluminum Square Tubing, 1.75"
Qty: 2
Scale: 1:1

SCALE 1:1

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	TITLE		
	PROJECT		
	MODEL NAME		ISSUE
DO NOT SCALE	GE-16003		

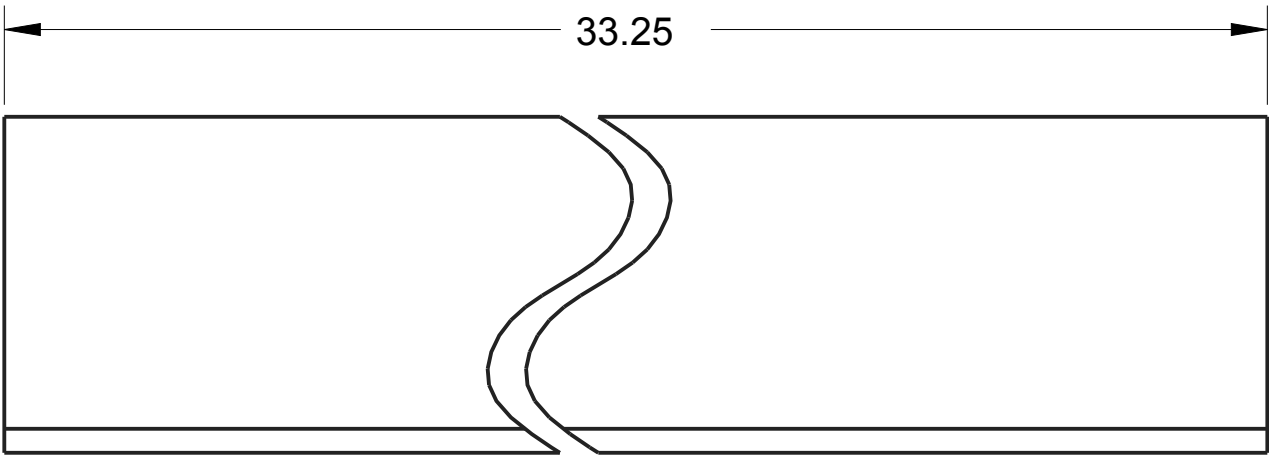
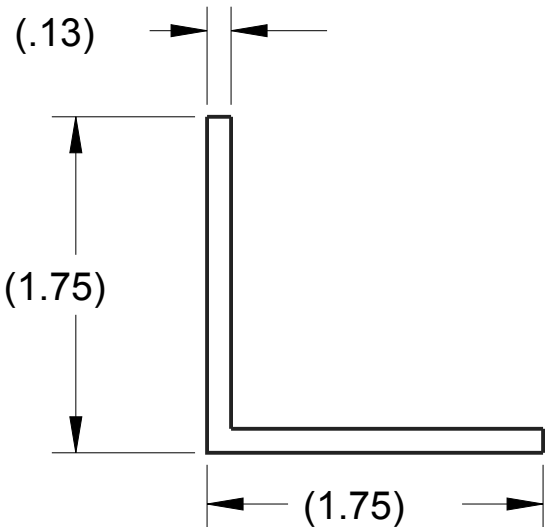
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NOTE
Part: HP_EP_TUBE3
Material: 6063 Aluminum Square Tubing, 1.75"
Qty: 1
Scale: 1:1

D

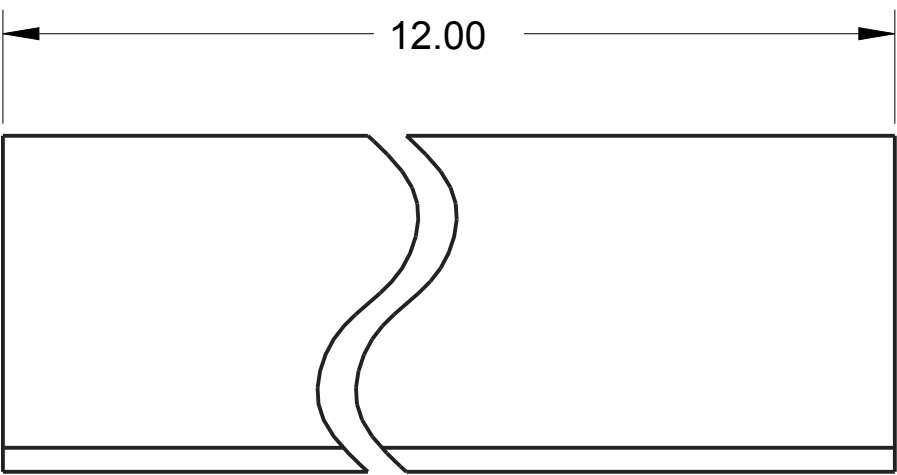
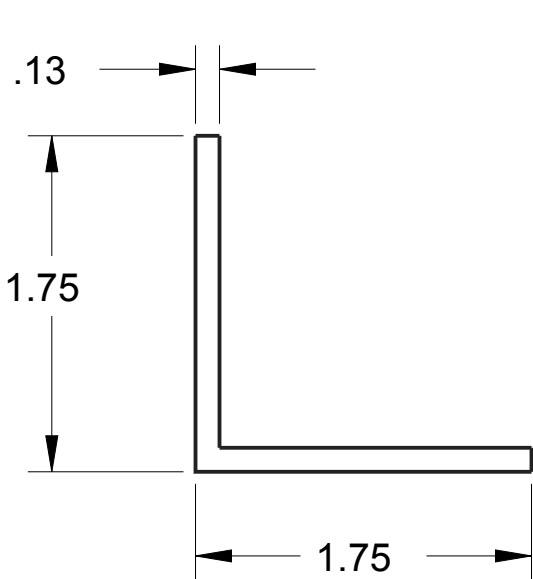
C



NOTE
Part: HP_EP_TUBE4
Material: Aluminum Angle, 1.75"
Qty: 2
Scale: 1:1

C

B



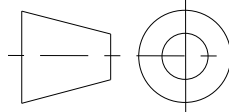

NOTE
Part: HP_EP_TUBE6
Material: Aluminum Angle, 1.75"
Qty: 4
Scale: 1:1

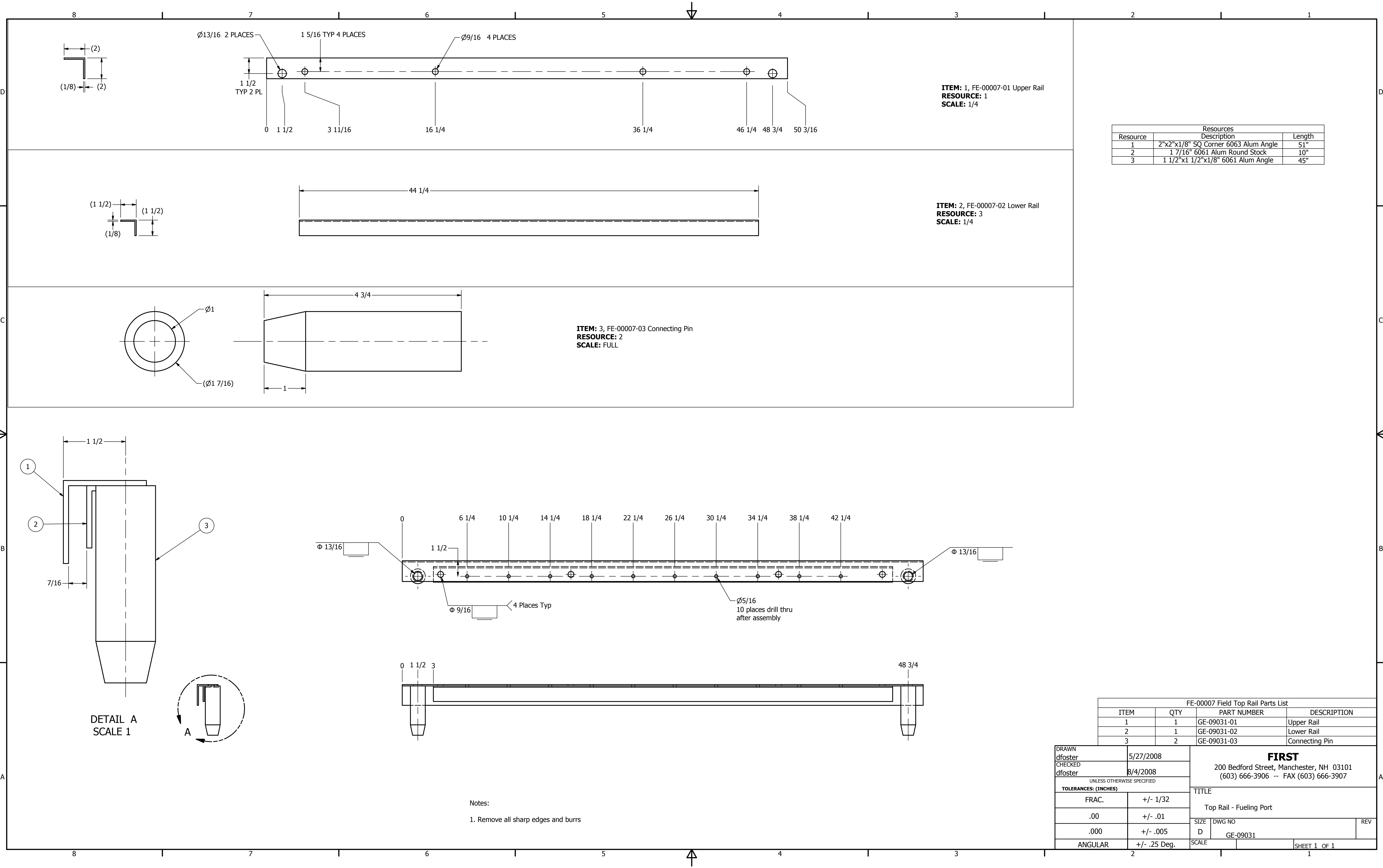
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SCALE 1:1

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DO NOT SCALE		PROJECT	MODEL NAME GE-16003
		ISSUE	

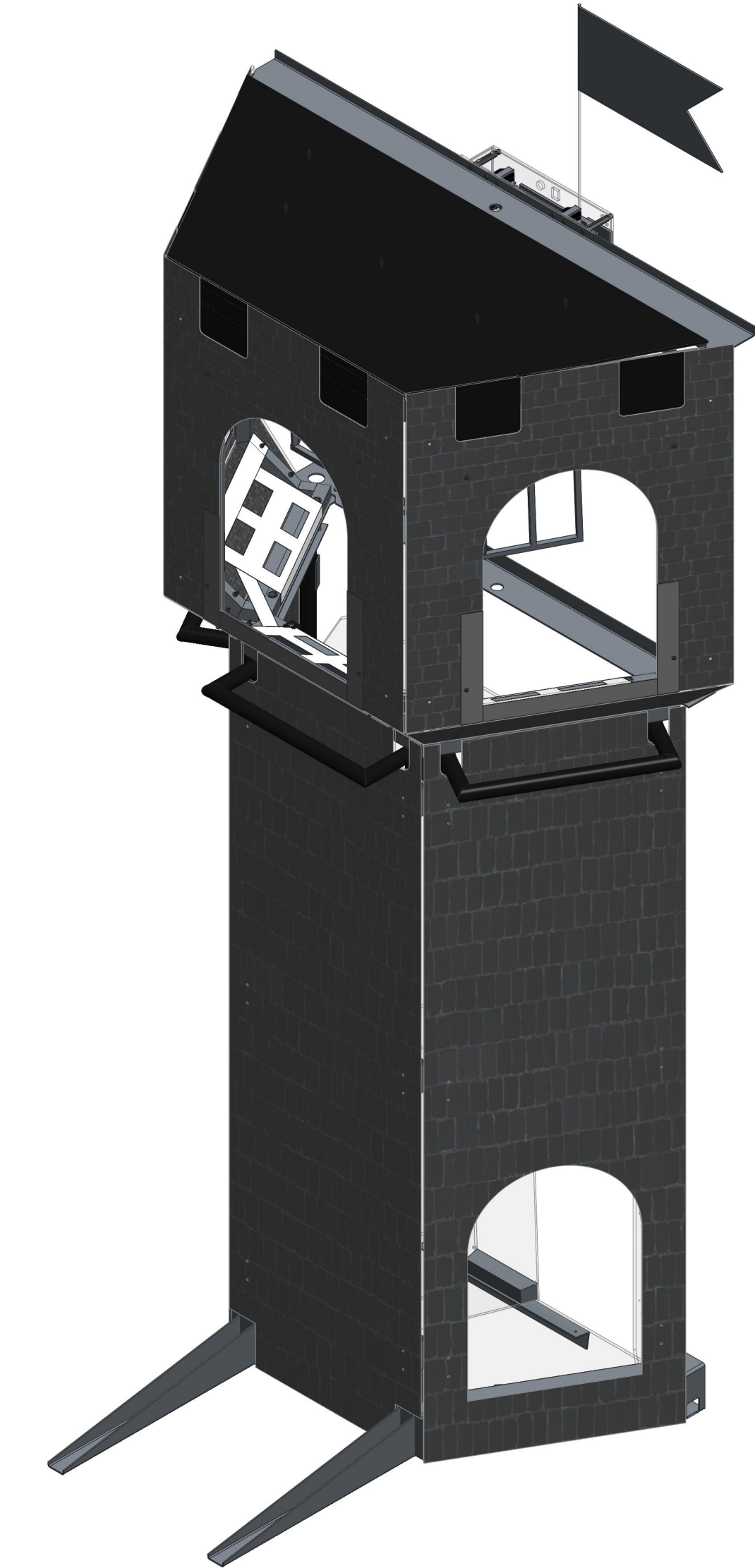


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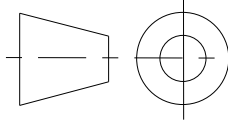

A



REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	B-3	Added Tape to High Goal Frames	NJS	4/4/2016

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16004-01	3	vision tape assembly	4 ft each
2	GE-16004-04	3	High Goal Tape	
3	GE-16004-05	2	High Goal Tape 2	
4	GE-16005	1	tower base	
5	GE-16006	3	lower frame, tower	
6	GE-16007	1	lower cap, tower	
7	GE-16008	3	upper frame, tower	
8	GE-16009	1	upper cap, tower	
9	GE-16067	3	high plastic, tower	
10	GE-16068	2	low goal plastic assembly	
11	GE-16071	1	low plastic assembly	
12	GE-16073	3	middle plastic, tower	
13	GE-16107	1	backboard assembly	
14	GE-16112	1	low goal ramp assembly	
15	GE-16117	2	side rail, low goal ramp	
16	GE-16215	1	flag flipper assembly	
17	GE-16235	1	ROOF ASSEMBLY, TOWER	
18	GE-16236	1	UPPER SCORING RAMP ASSEMBLY	
19	HW-00091	24	pan head, #10-24 x 2"	
20	HW-00092	24	nut, nylock, #10-24	

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		APPROVED BY	DATE
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DO NOT SCALE	PROJECT	MODEL NAME GE-16004	ISSUE

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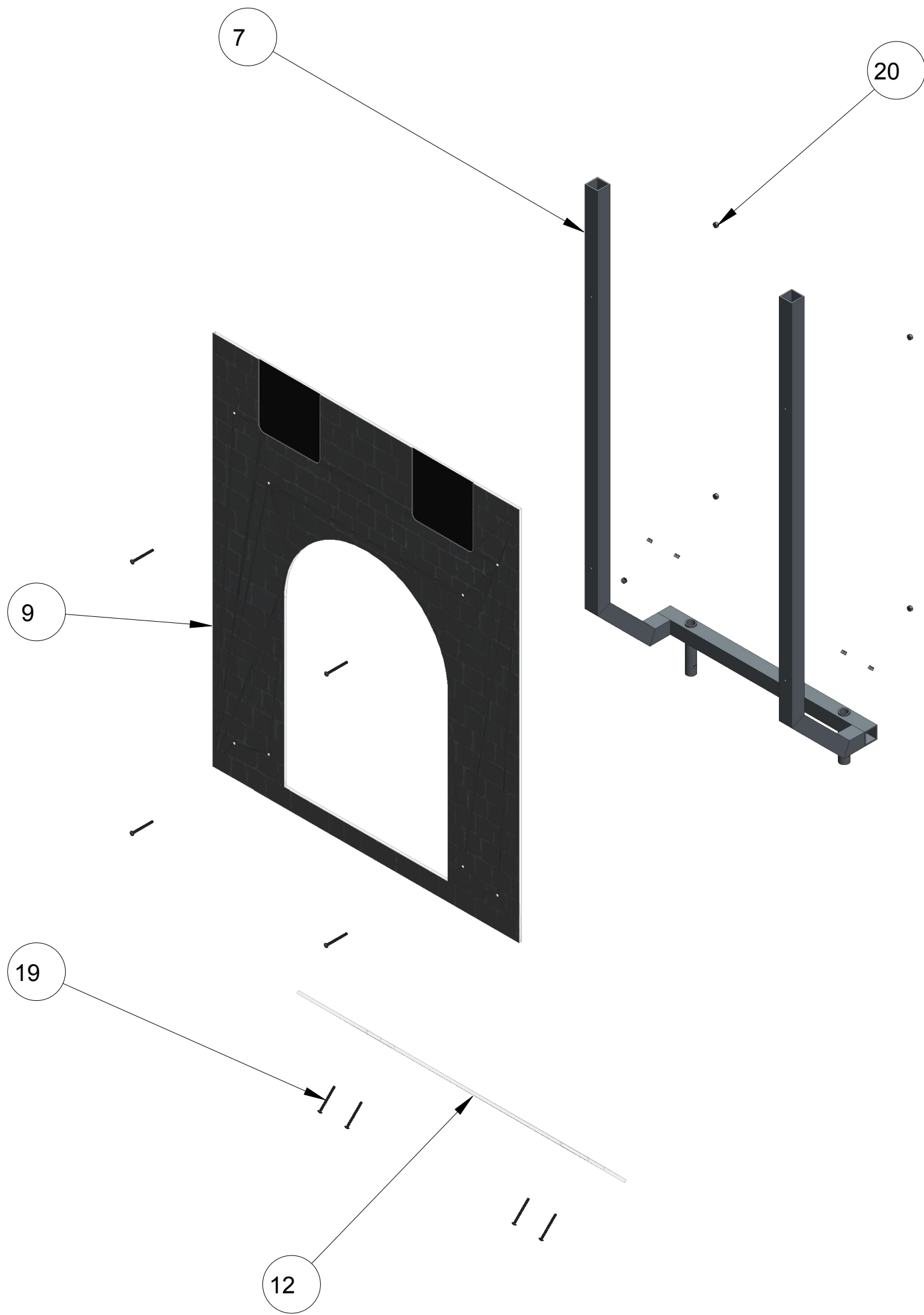
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MODEL NAME	TITLE
GE-16004	Tower Assembly



Step 1:
1. REPEAT 3 TIMES

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	SCALE 1:8	SHEET 2 OF 5
<small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: XX +/- 0.1 XXX +/- 0.01 XXX +/- 0.001 ANG +/- 1</small> DO NOT SCALE	TITLE Tower Assembly	
	PROJECT	MODEL NAME GE-16004
		ISSUE

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MODEL NAME
GE-16004

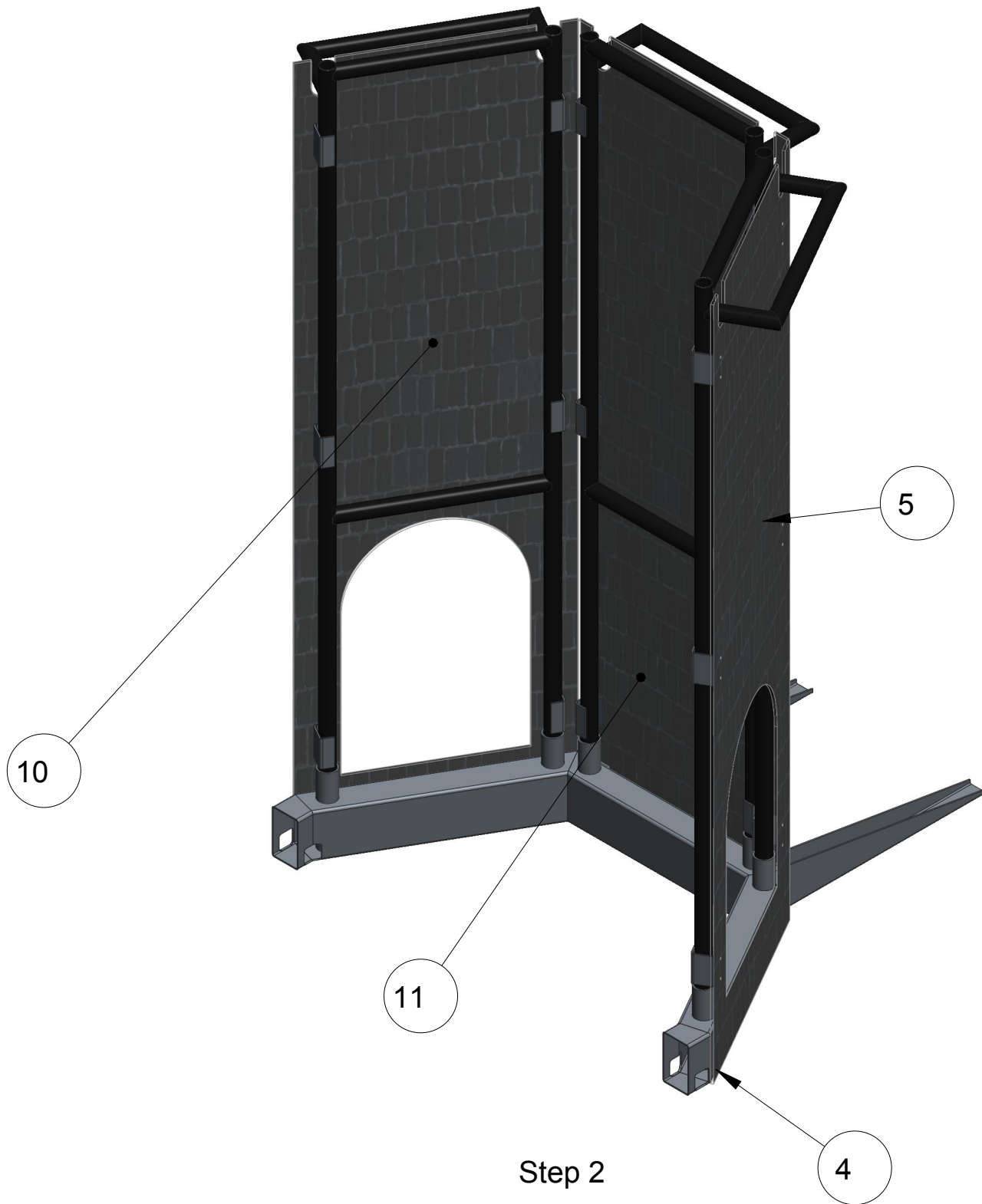
TITLE
Tower Assembly


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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1	TITLE	Tower Assembly	
	PROJECT	MODEL NAME GE-16004	ISSUE
	DO NOT SCALE		

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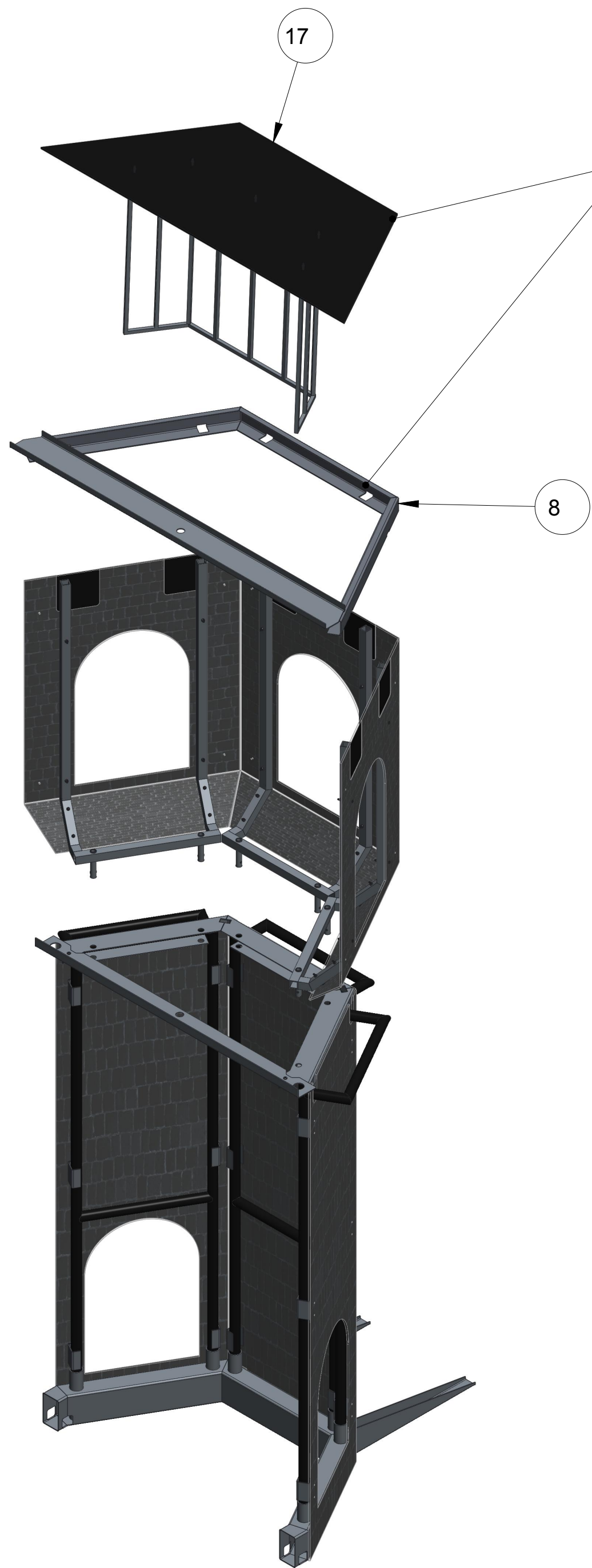
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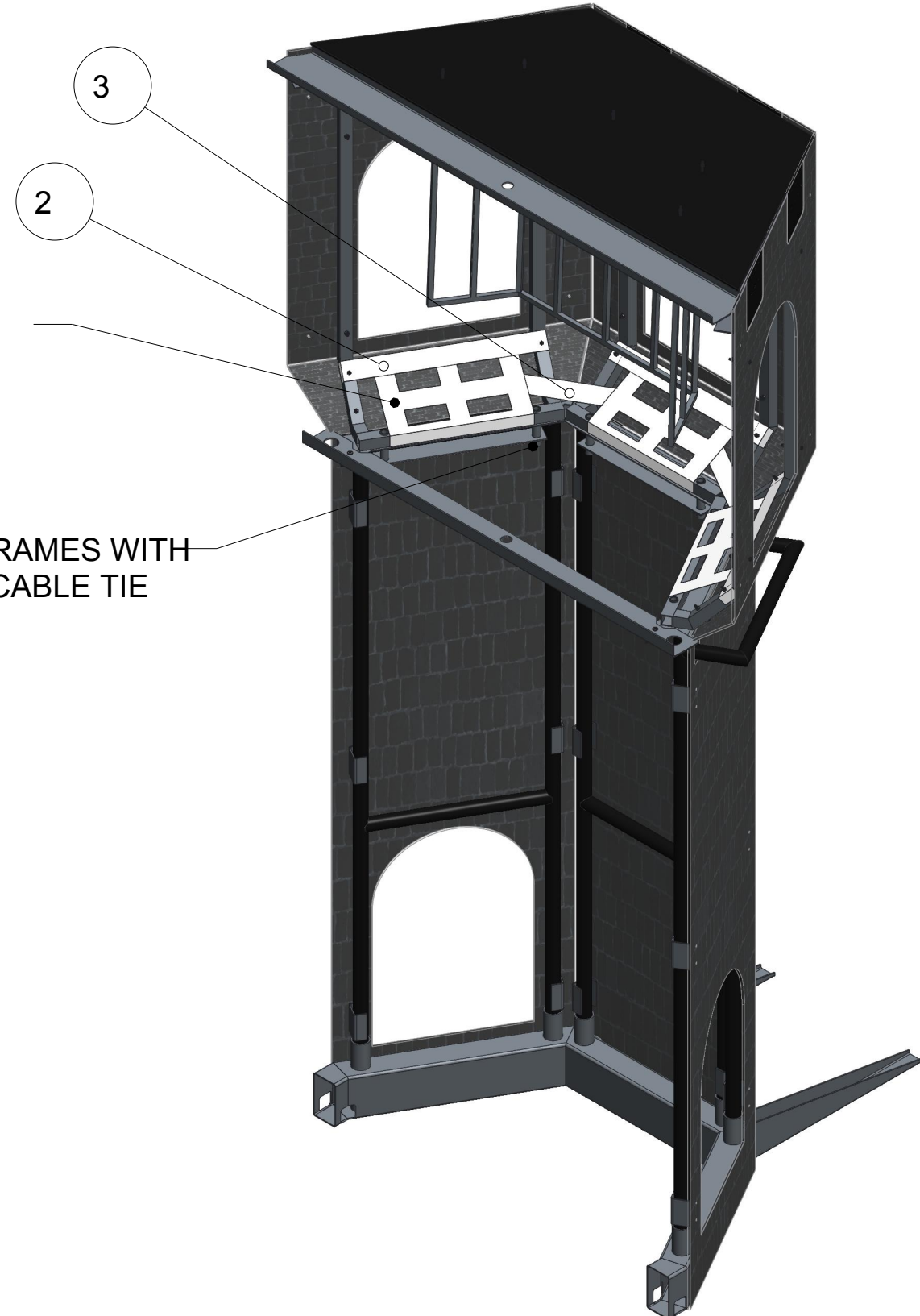
A




ADD HOOK AND LOOP TO THESE
EDGES TO SECURE. 30 INCHES OF EACH.

Add 2" Gaffers Tape as shown.
Repeat for all High Goals.

SECURE UPPER FRAMES WITH
COTTER PIN OR CABLE TIE



Step 4

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	APPROVED BY	DATE
	SCALE 13:192	SHEET 4 OF 5
<small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1</small> DO NOT SCALE	TITLE Tower Assembly	
	PROJECT	MODEL NAME GE-16004
	ISSUE	

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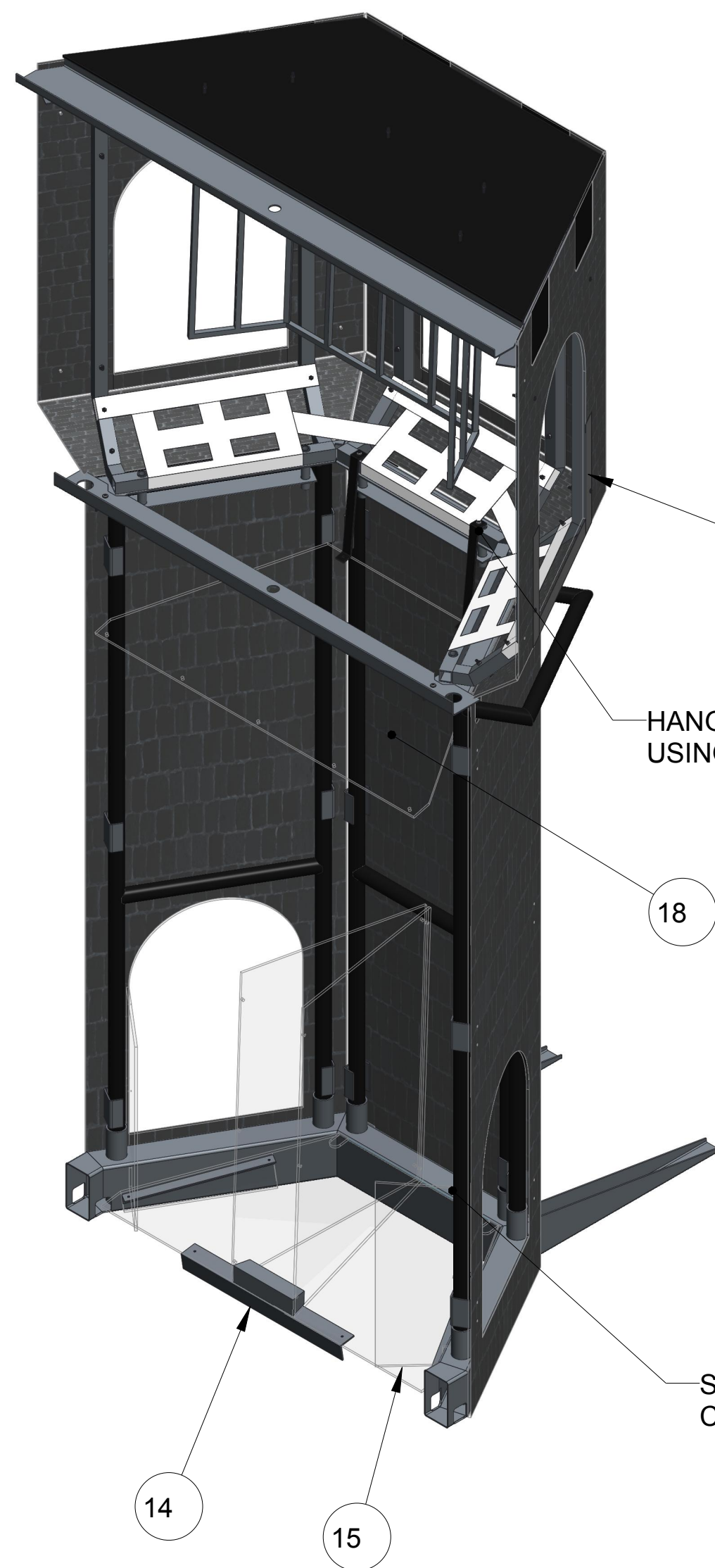
3

4

MODEL NAME
GE-16004

TITLE

Tower Assembly



Step 5

HANG ITEM 16 FROM UPPER FRAMES (ITEM 5)
USING NYLON WEBBING AND PAN HEAD SCREWSSECURE ITEM 13 TO ITEM 3 USING
CABLE TIES. 4 PLACES

13

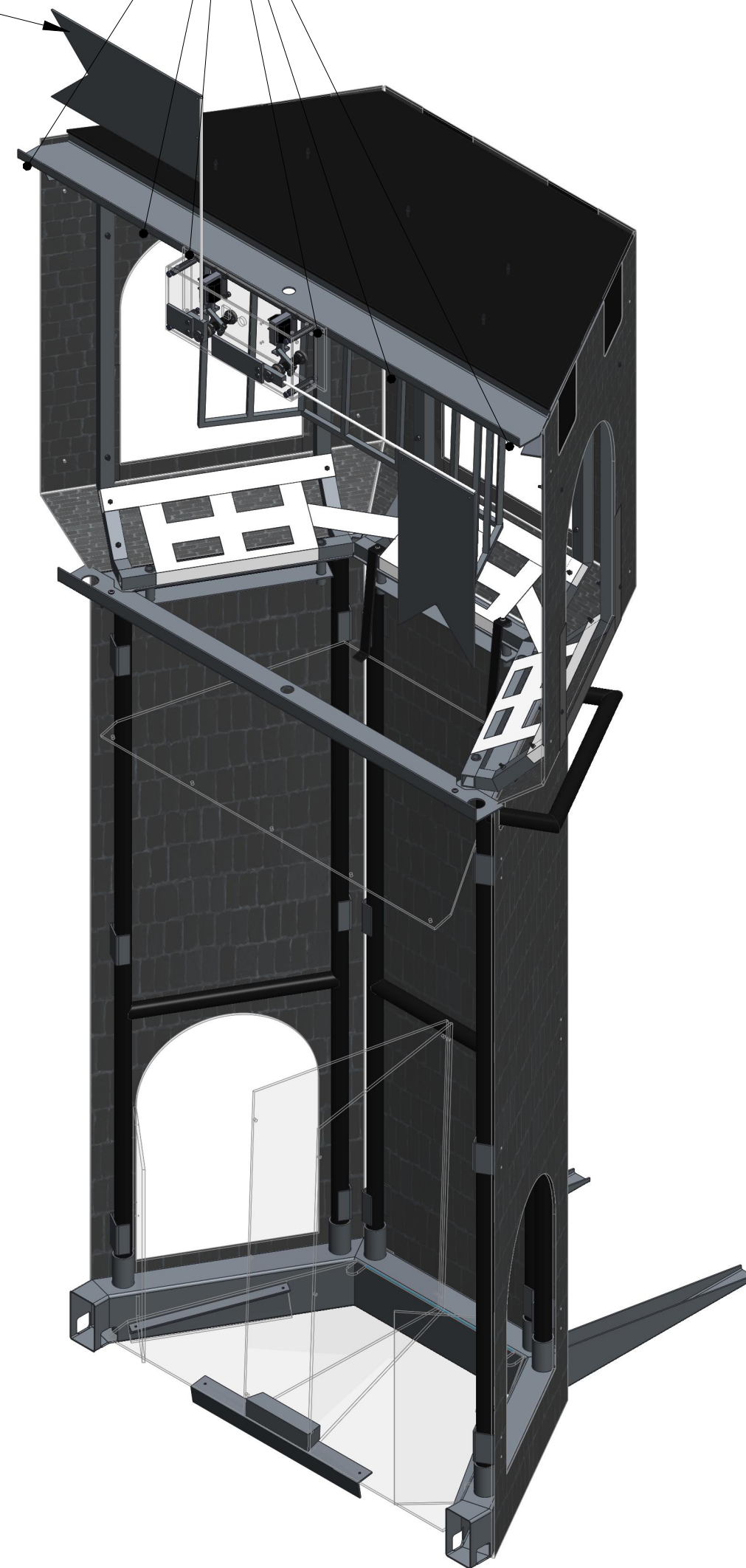
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16

DRILL UPPER CAP WITH A .25 DRILL AT THESE LOCATIONS.
SECURE ITEMS 11 AND 14 USING CABLE TIES.

Step 6

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SCALE 1:12

SHEET 5 OF 5

TITLE

Tower Assembly

PROJECT

MODEL NAME

GE-16004

ISSUE

UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

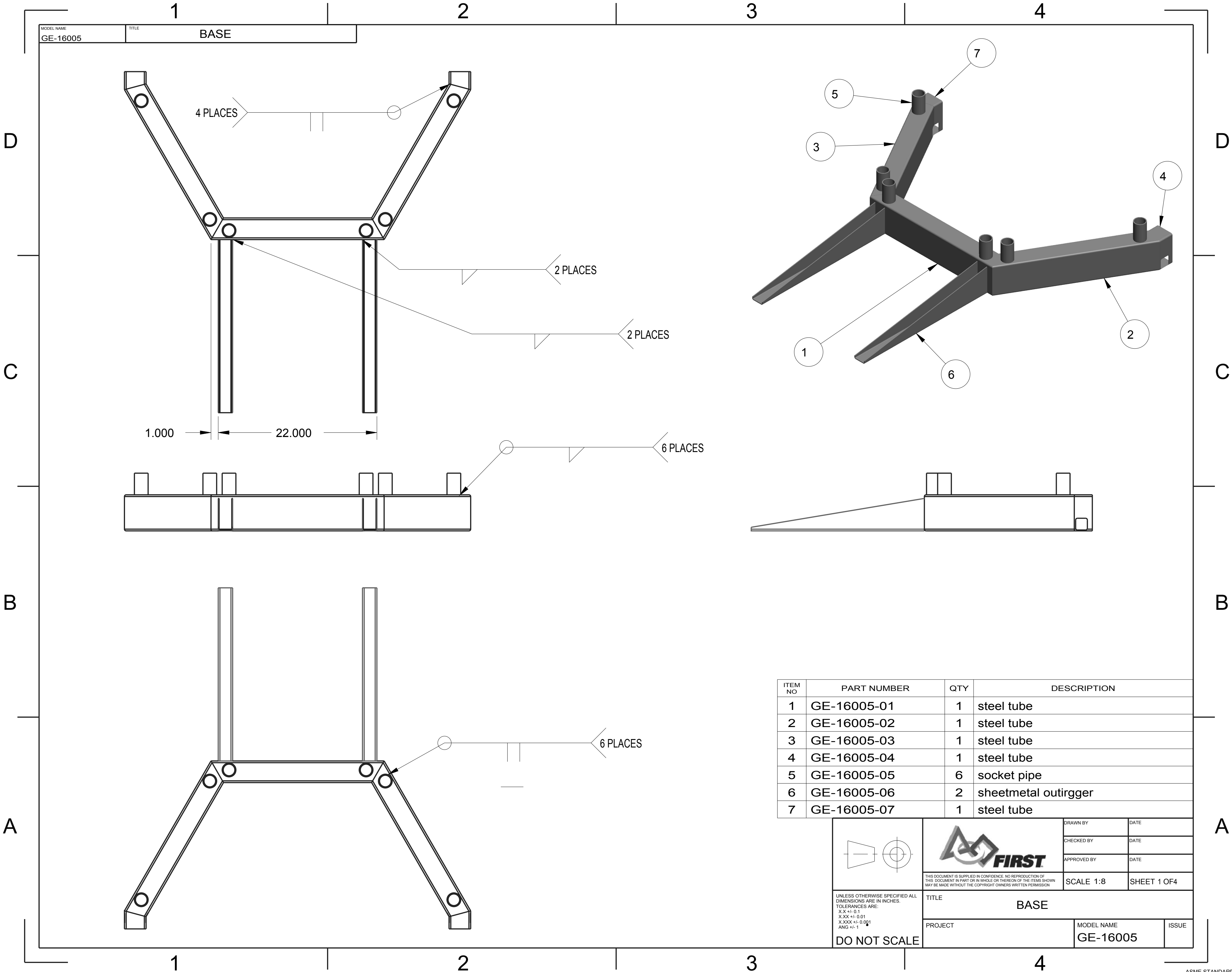
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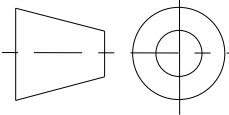
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ITEM NO	PART NUMBER	QTY	DESCRIPTION
1	GE-16005-01	1	steel tube
2	GE-16005-02	1	steel tube
3	GE-16005-03	1	steel tube
4	GE-16005-04	1	steel tube
5	GE-16005-05	6	socket pipe
6	GE-16005-06	2	sheetmetal outrigger
7	GE-16005-07	1	steel tube



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE



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TITLE
BASE

PROJECT
MODEL NAME
GE-16005

ISSUE

DRAWN BY
DATE
CHECKED BY
DATE
APPROVED BY
DATE

SCALE 1:8
SHEET 1 OF 4

D

D

C

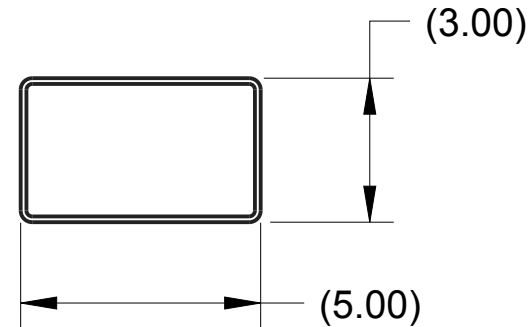
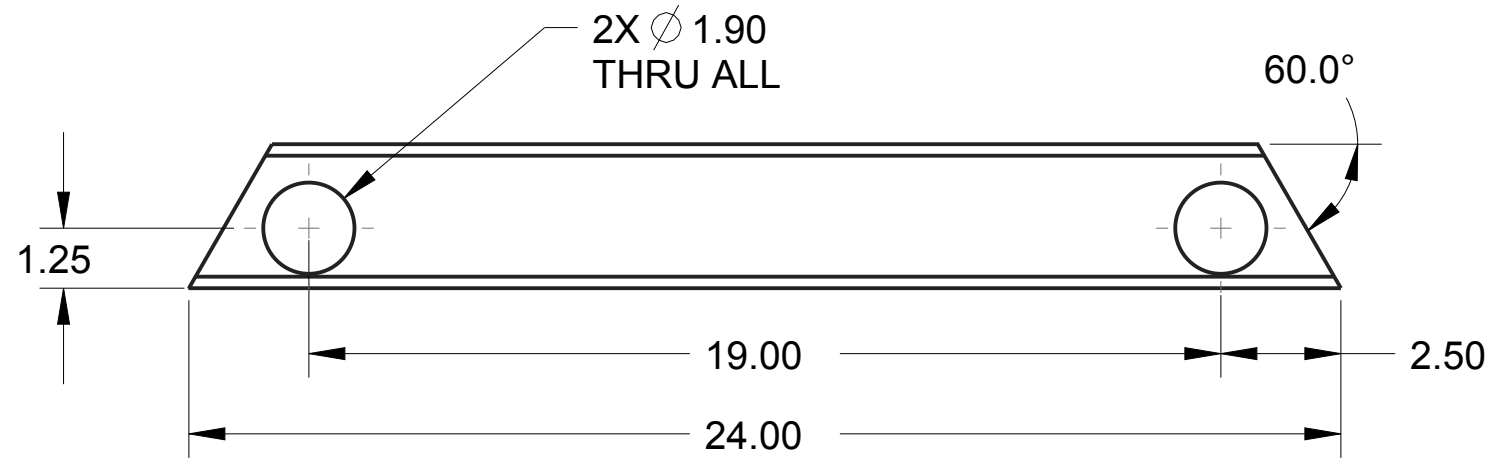
C

B

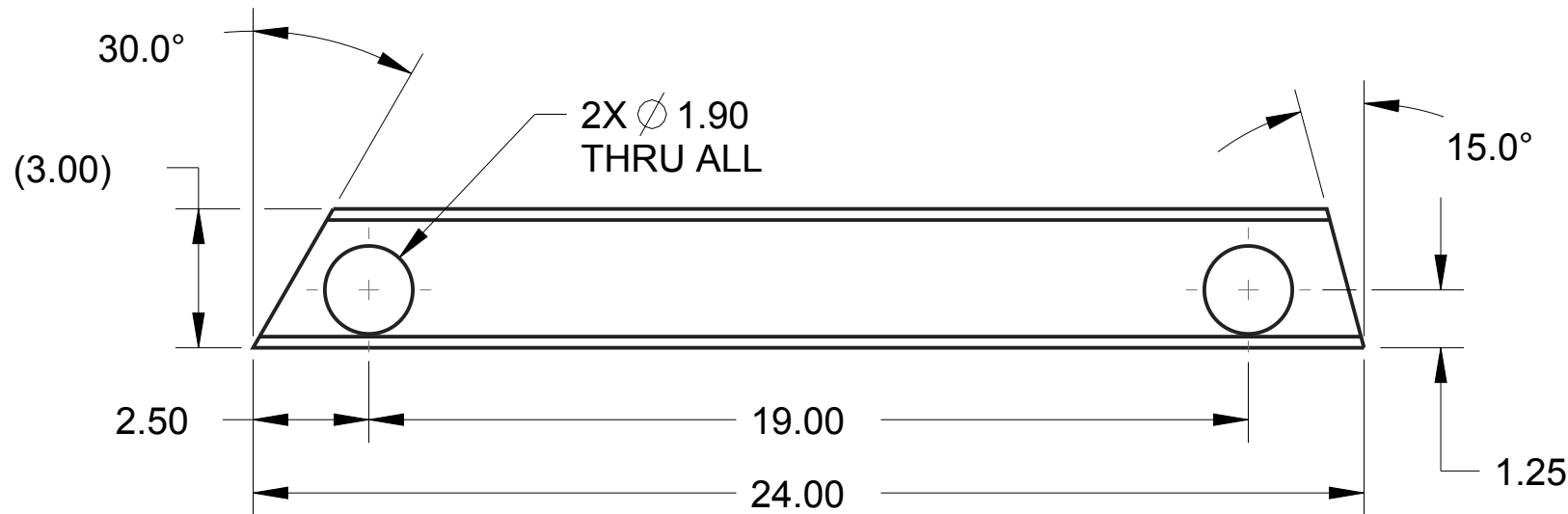
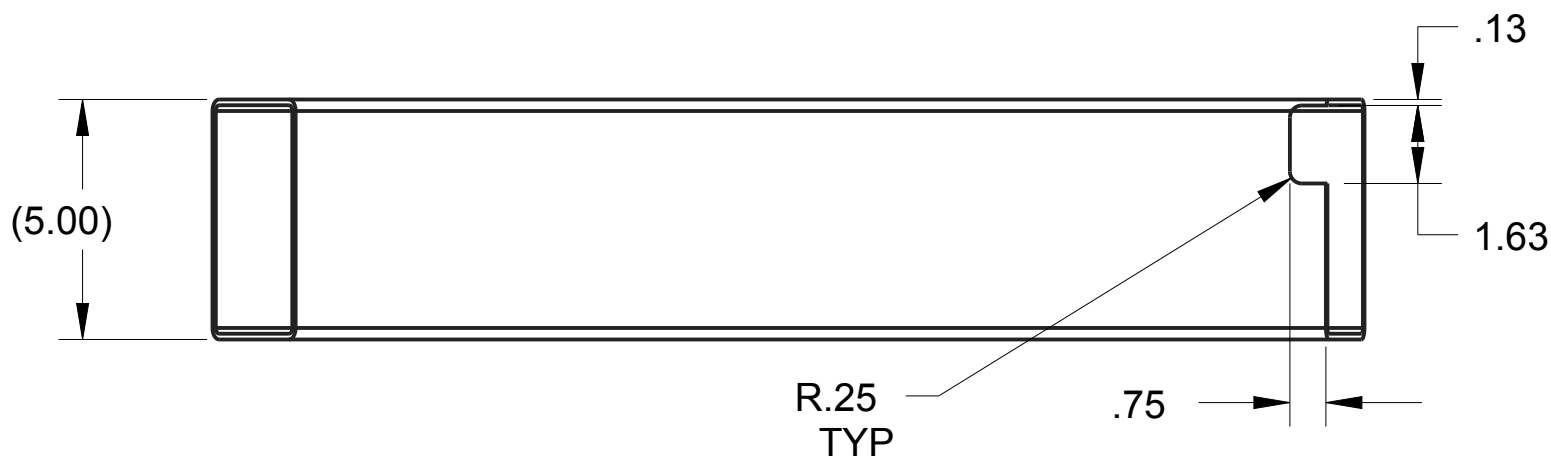
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A

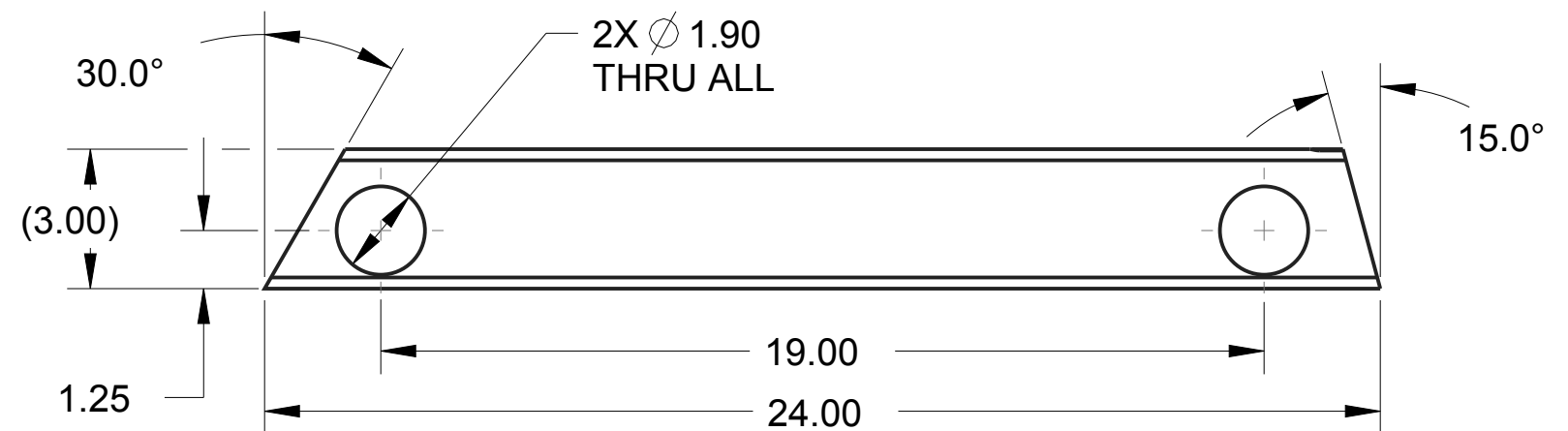
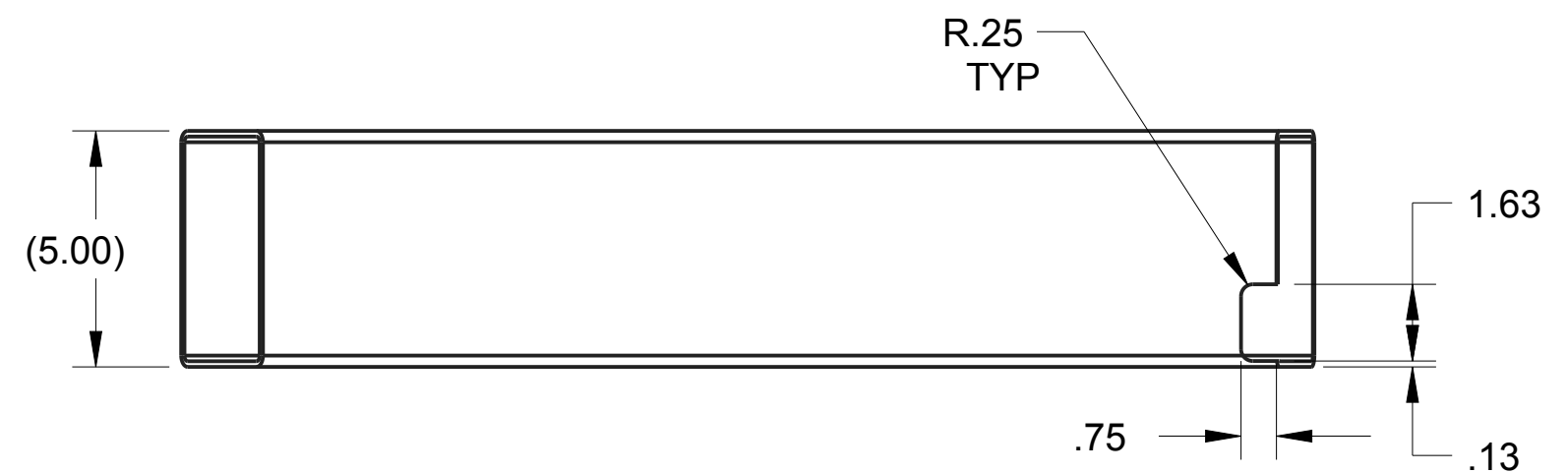
A




ITEM 1: STEEL TUBE
MATERIAL: 5"x3"x.12" A500 STEEL TUBING
QTY: 1



ITEM 2: STEEL TUBE
MATERIAL: 5"x3"x.12" A500 STEEL TUBING
QTY: 1



ITEM 3: STEEL TUBE
MATERIAL: 5"x3"x.12" A500 STEEL TUBING
QTY: 1

<div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1</div> <div>DO NOT SCALE</div>	<div></div> <div>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION</div>	DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:8	SHEET 2 OF 4
TITLE BASE			
PROJECT		MODEL NAME GE-16005	ISSUE

D

C

B

A

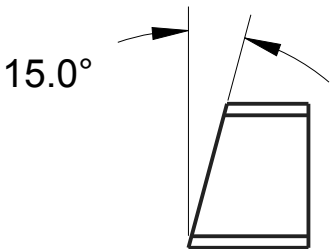
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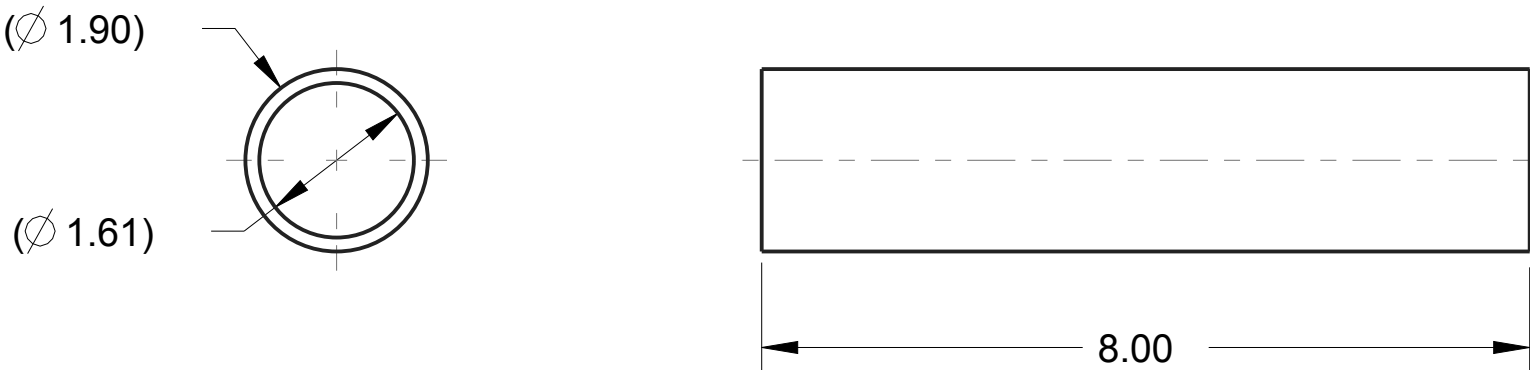
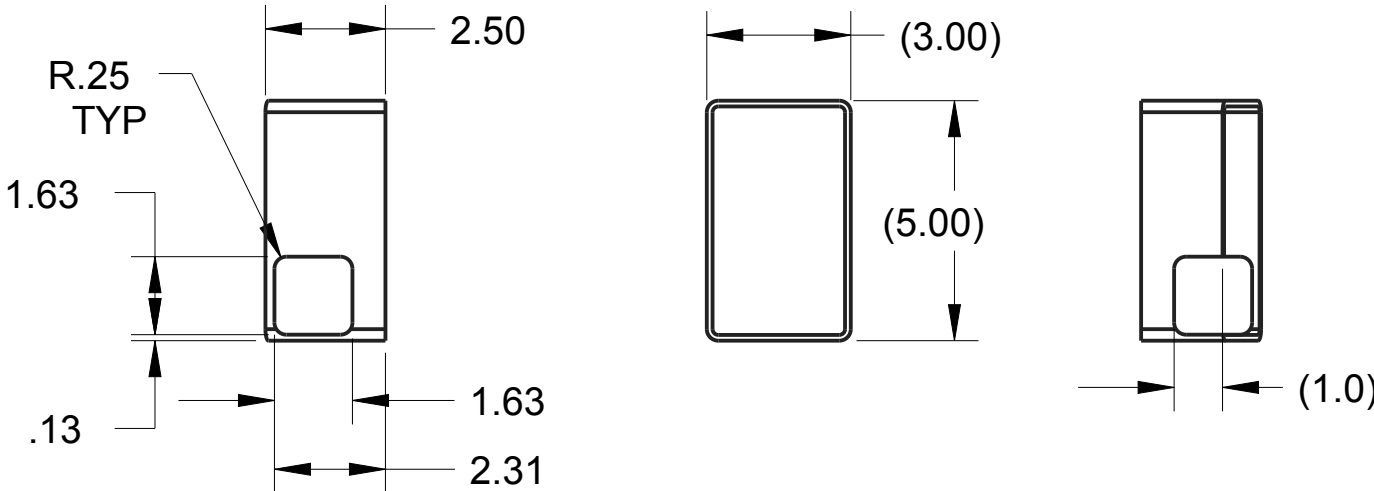
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A


MODEL NAME	TITLE
GE-16005	BASE

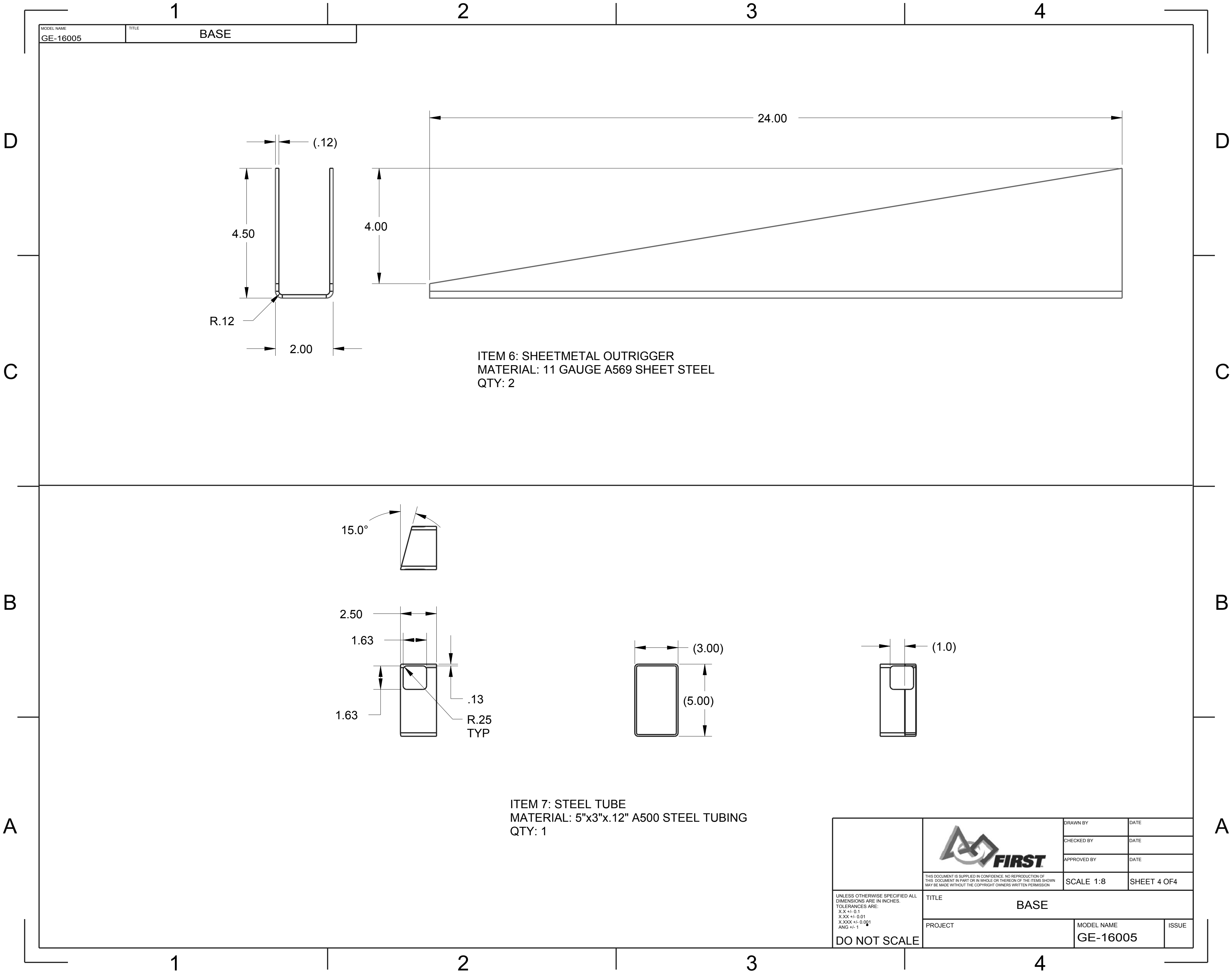


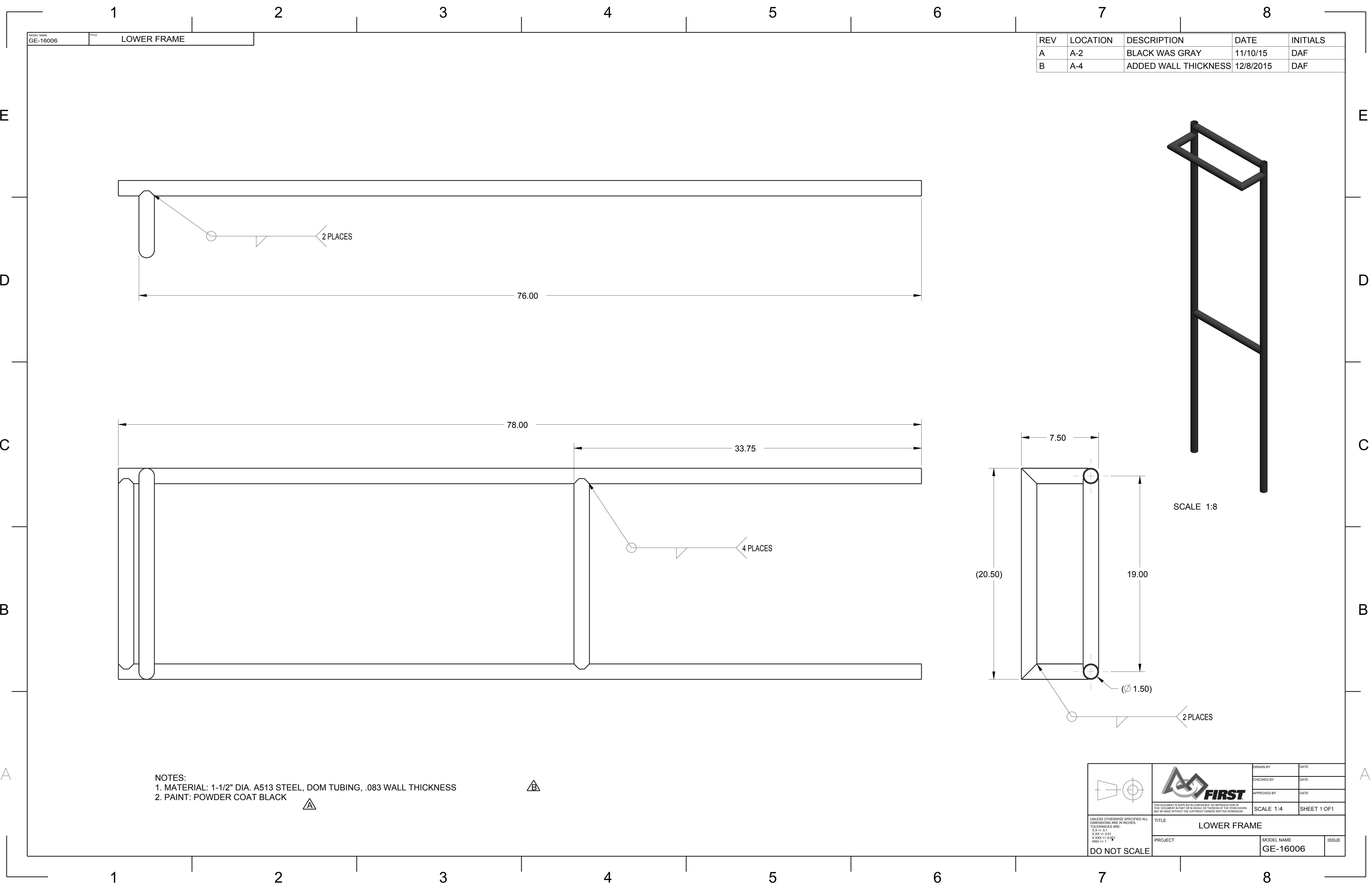
ITEM 4: STEEL TUBE
MATERIAL: 5"x3"x.12" A500 STEEL TUBING
QTY: 1



ITEM 5: SOCKET PIPE
MATERIAL: 1-1/2" SCHEDULE 40 A500 STEEL PIPE
QTY: 6

	DRAWN BY		DATE
	CHECKED BY		DATE
	APPROVED BY		DATE
	SCALE 1:8		SHEET 3 OF 4
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1	TITLE BASE		
	PROJECT		MODEL NAME GE-16005
DO NOT SCALE			ISSUE





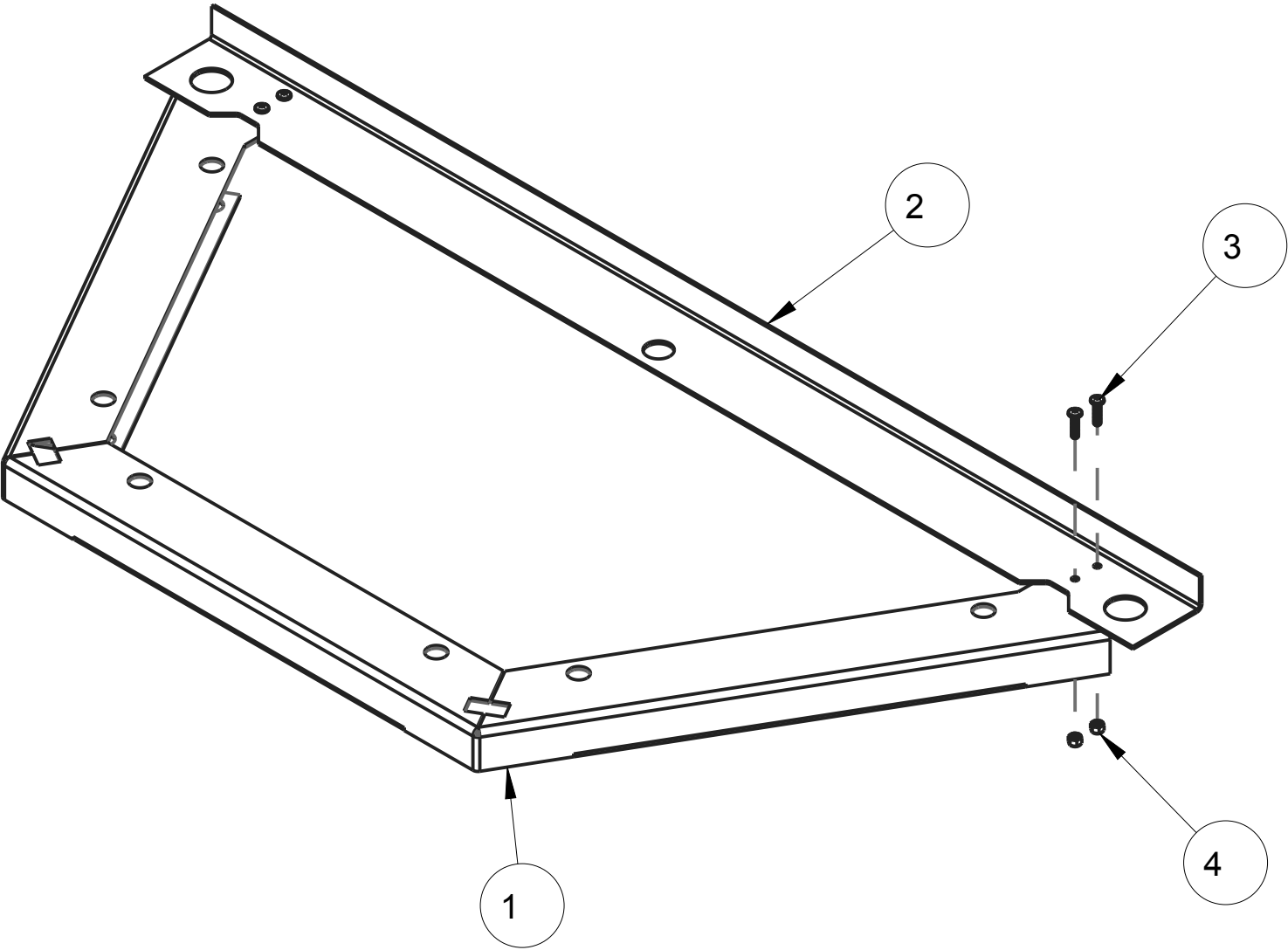


REV	LOCATION	DESCRIPTION	DATE	INITIALS
A	A-2	BLACK WAS GRAY	11/10/15	DAF
B	A-4	ADDED WALL THICKNESS	12/8/2015	DAF


NOTES:
1. MATERIAL: 1-1/2" DIA. A513 STEEL, DOM TUBING, .083 WALL THICKNESS
2. PAINT: POWDER COAT BLACK



 <div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.XX +/- 0.1 X.XXX +/- 0.001 ANG +/- 1</div> <div>DO NOT SCALE</div>	 <div>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION.</div>	DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:4	SHEET 1 OF 1
TITLE		LOWER FRAME	
PROJECT	MODEL NAME		ISSUE
	GE-16006		



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16007-01	1	Lower Cap	
2	GE-16007-02	1	Brace, Welded Field	
3	HW-00086	4	pan head, 1/4-20 x 1"	
4	HW-00087	4	nut, nylock 1/4-20	



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TITLE

LOWER CAP. TOWER

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

DRAWN BY

CHECKED BY

APPROVED BY

DATE

DATE

DATE

PROJECT

MODEL NAME

ISSUE

SCALE 1:6

GE-16007

SHEET 1 OF 1

ASME STANDARD.INC

D

C

B

A

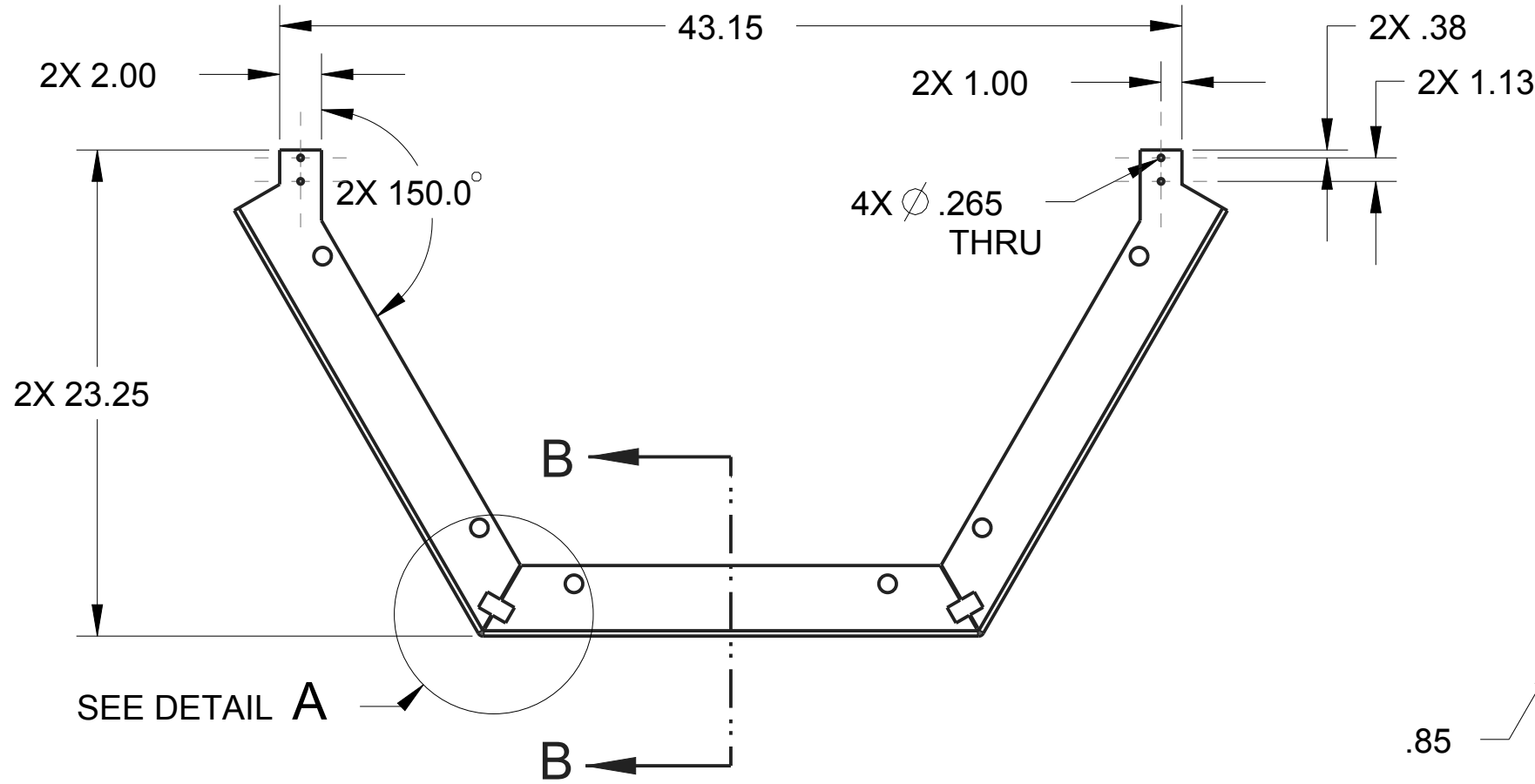
D

C

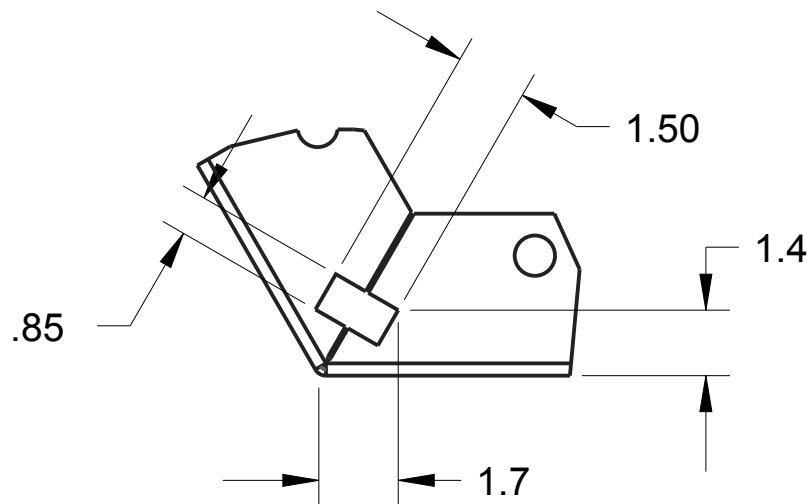
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A

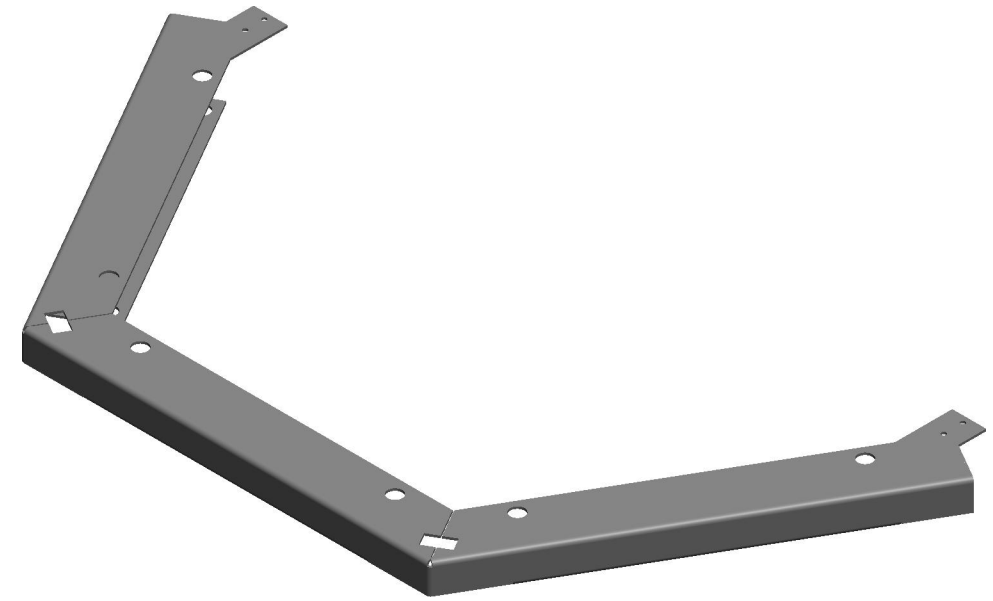
MODEL NAME	TITLE
GE-16007-01	LOWER CAP



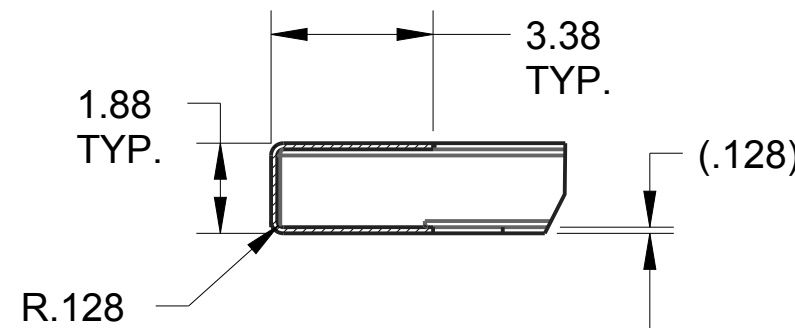
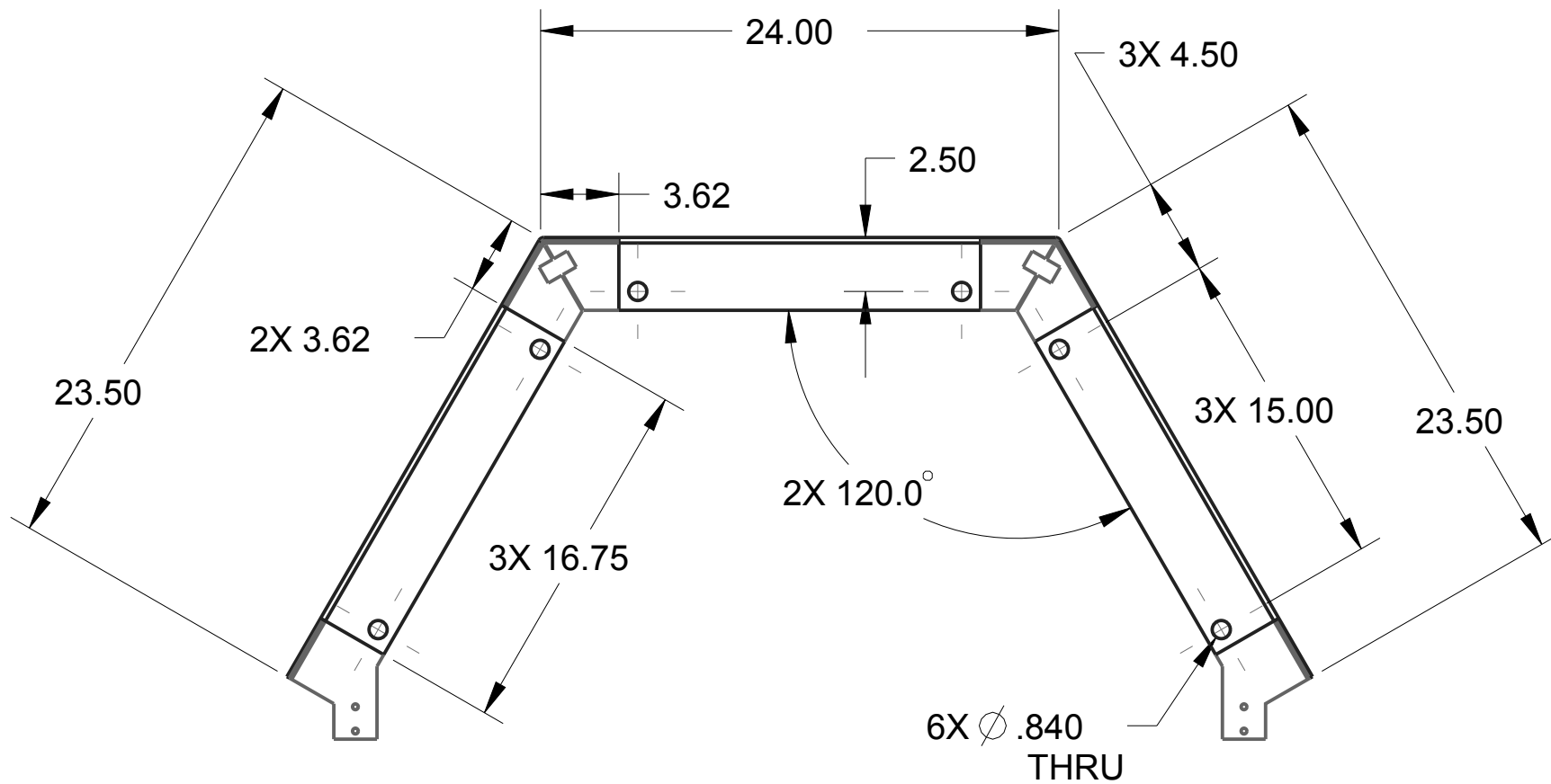
SEE DETAIL A



DETAIL A
SCALE 1:4
TYP. 2 PLACES

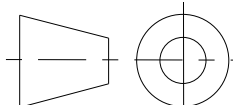



SCALE 1:8



SECTION B-B
SCALE 1:4

NOTES:
1. MATERIAL: 8 GAUGE 5052 ALUMINUM SHEET

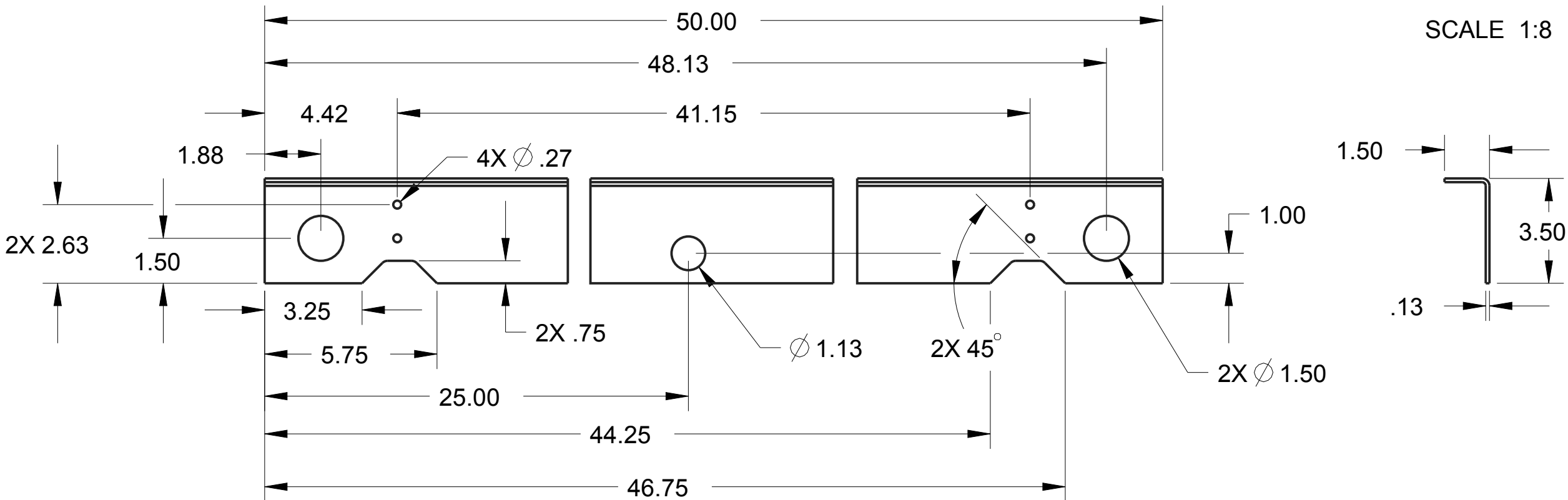
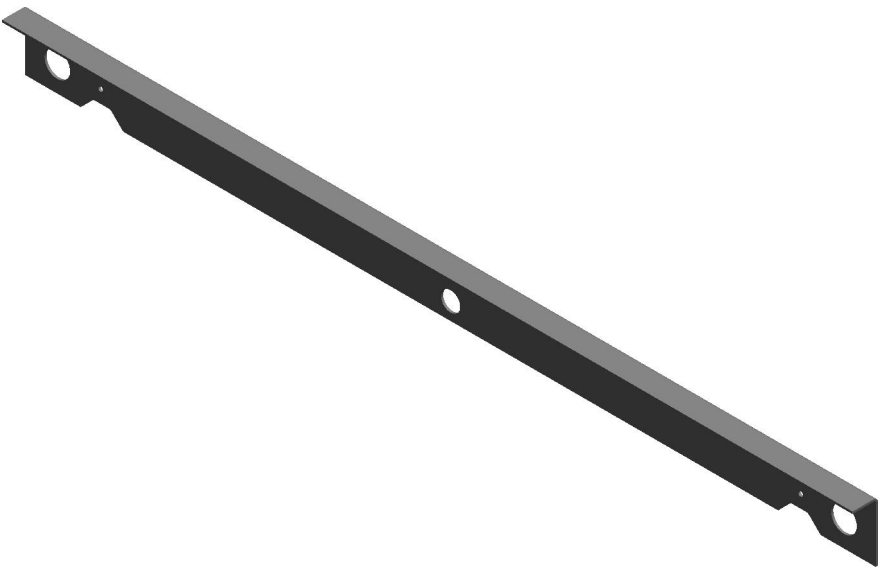
		DRAWN BY		DATE
		CHECKED BY		DATE
		APPROVED BY		DATE
		SCALE 1:8		SHEET 1 OF 1
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1		TITLE LOWER CAP		
DO NOT SCALE		PROJECT	MODEL NAME GE-16007-01	ISSUE

1


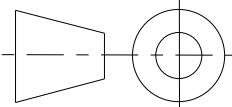
2

3

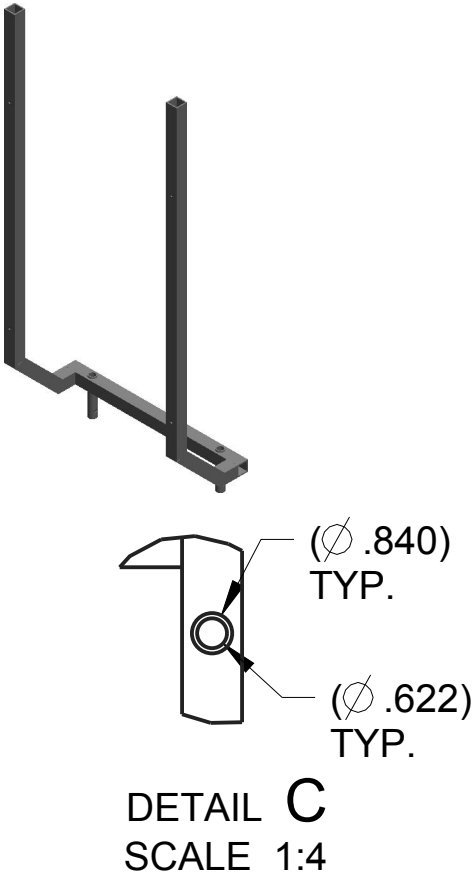
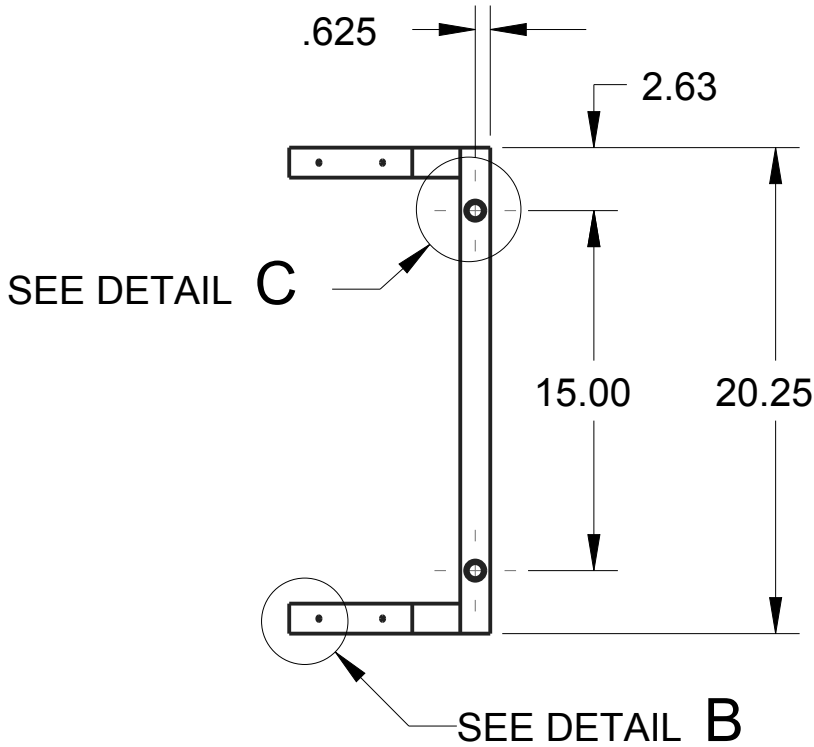
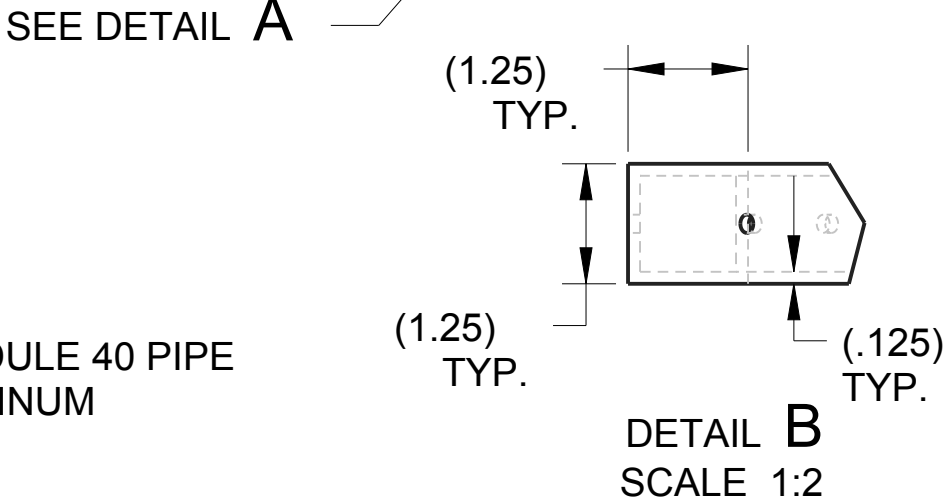
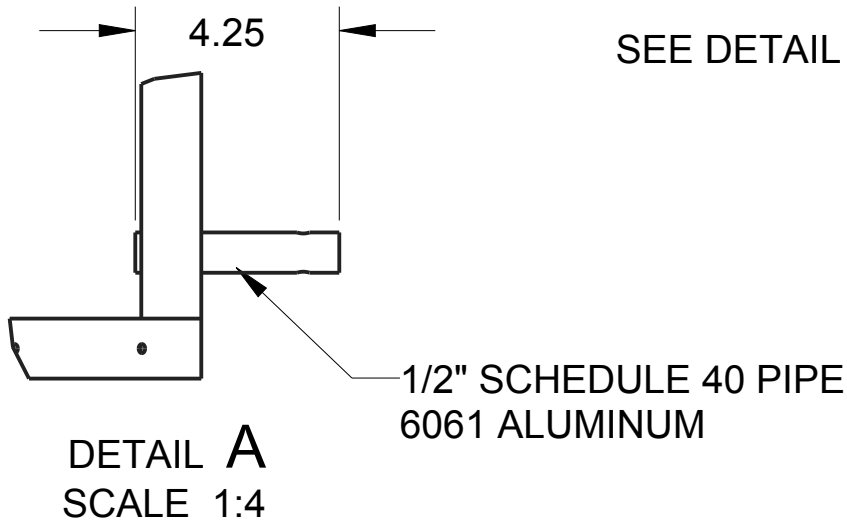
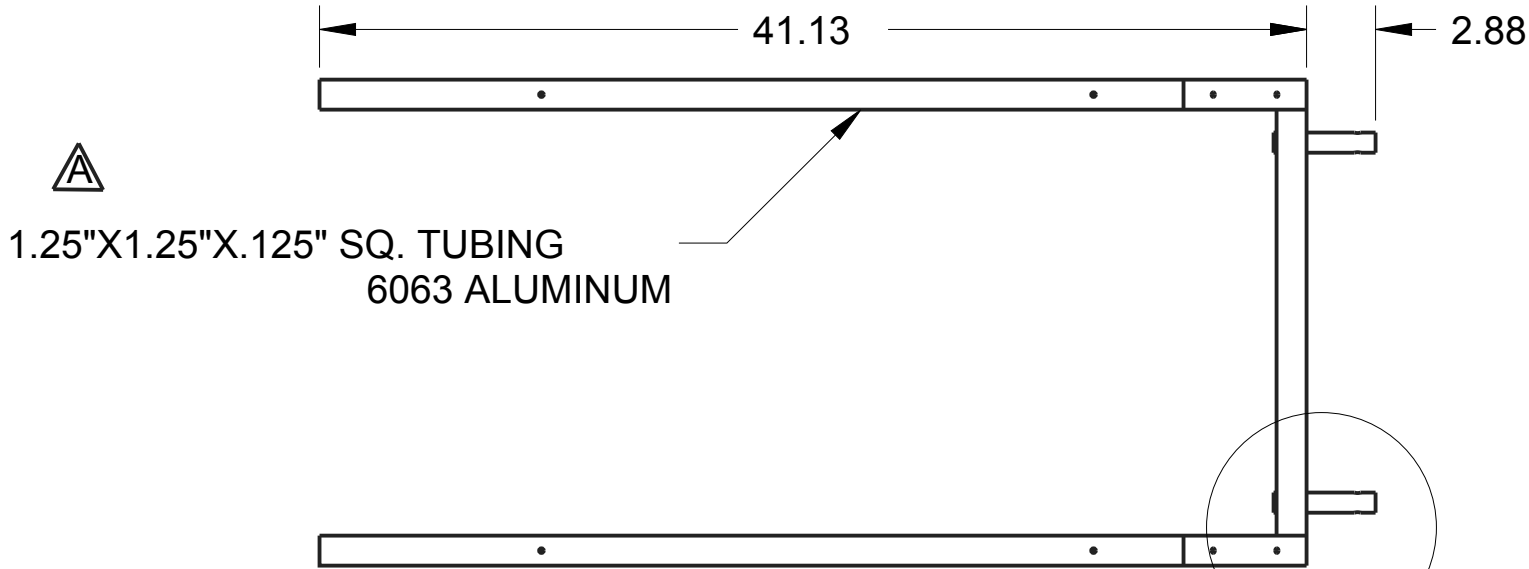
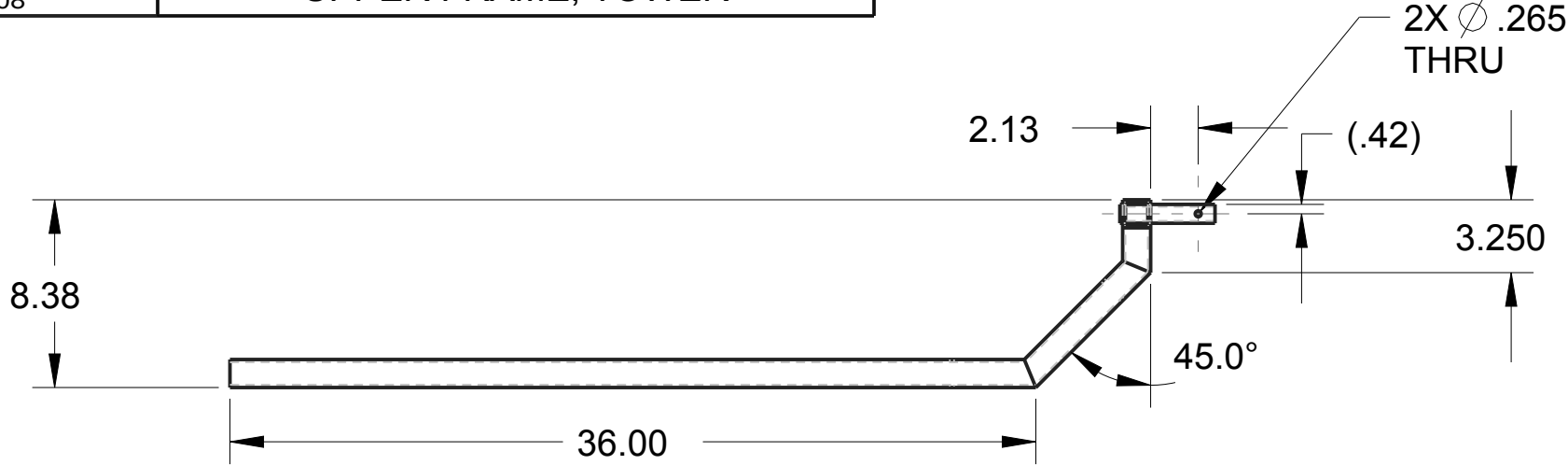
4




NOTES:
1. MATERIAL: 5052 ALUMINUM SHEET

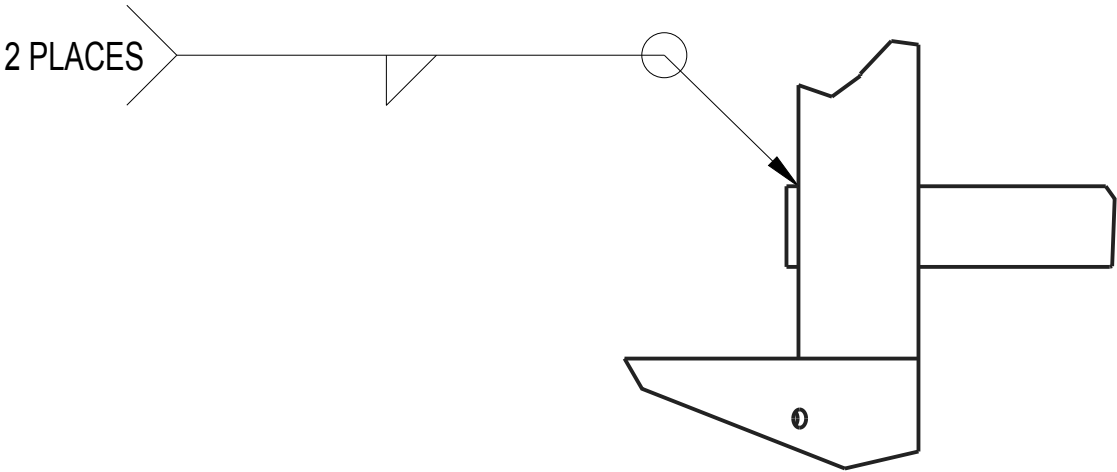
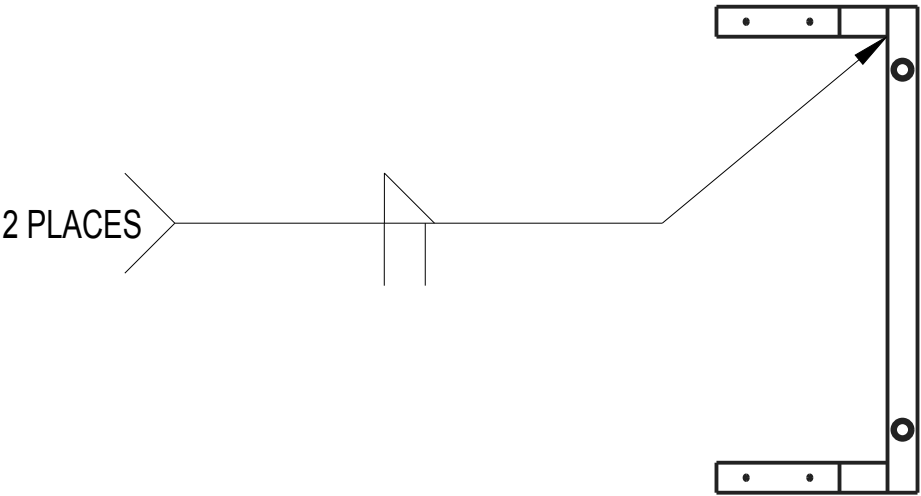
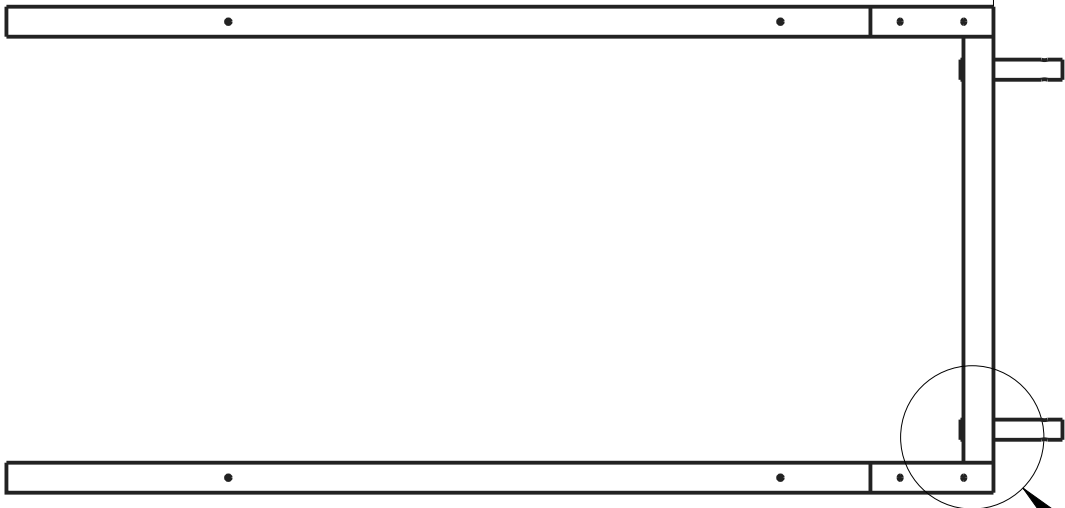
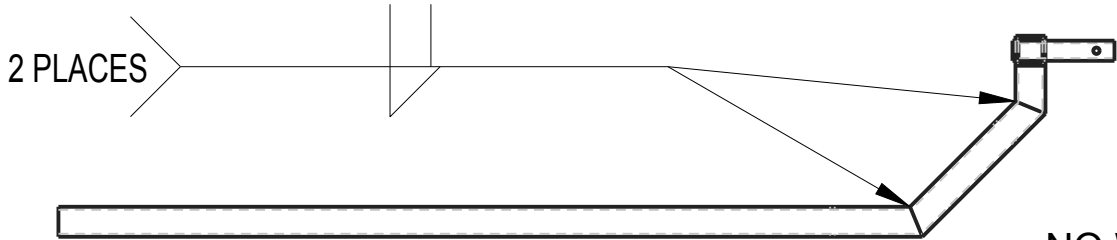
	DRAWN BY	DATE
	CHECKED BY	DATE
	APPROVED BY	DATE
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	TITLE Brace,Welded Field	
	PROJECT	MODEL NAME GE-16007-02
		ISSUE

REV	LOCATION	DESCRIPTION	DATE	INITIAL
A	C-1	1.25"x1.25" WAS 1.5"x1.5"	11/10/2015	DAF
B	SHEET 3	ADDED SHEET 3	12/16/15	DAF




 FIRST <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</small> DO NOT SCALE	DRAWN BY		DATE
	CHECKED BY		DATE
	APPROVED BY		DATE
	TITLE UPPER FRAME, TOWER		
PROJECT		MODEL NAME GE-16008	ISSUE

REV	LOCATION	DESCRIPTION	DATE	INITIAL
A	C-3	ADDED "NO WELD PERMISSIBLE THIS SURFACE"	11/10/2015	DAF

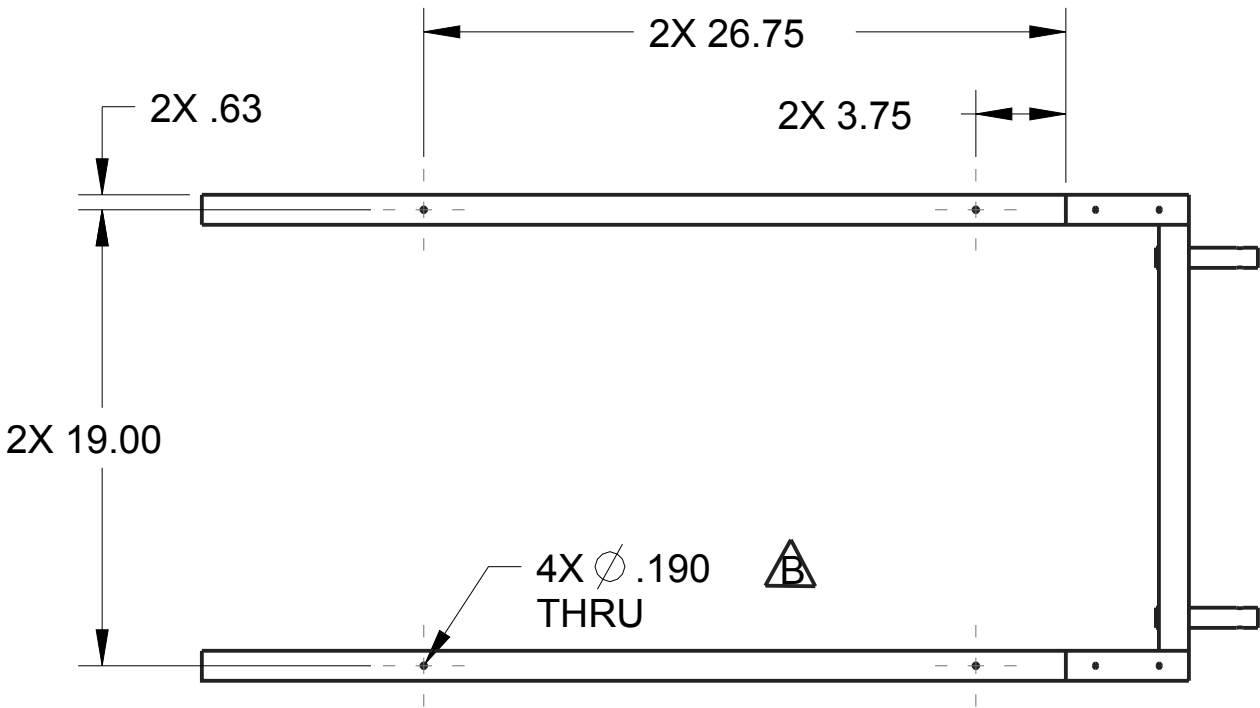


SEE DETAIL D

DETAIL D
SCALE 1:2

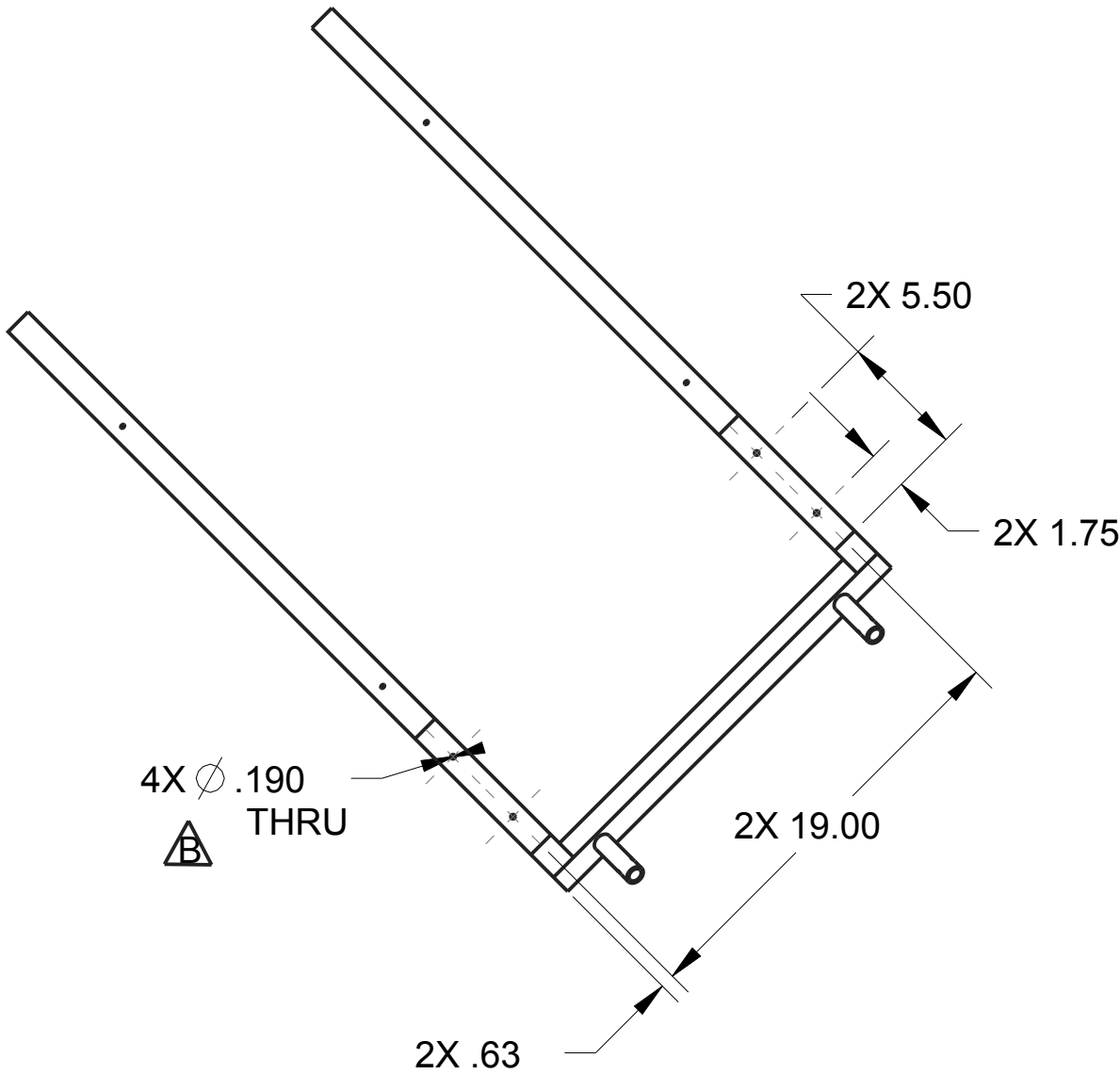
		DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
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	PROJECT	MODEL NAME GE-16008	ISSUE

REV	ZONE	DESCRIPTION	INITIAL	DATE
B	B-3, C-2	ADDED .190 HOLE (QTY 8)	DAF	12/16/2015




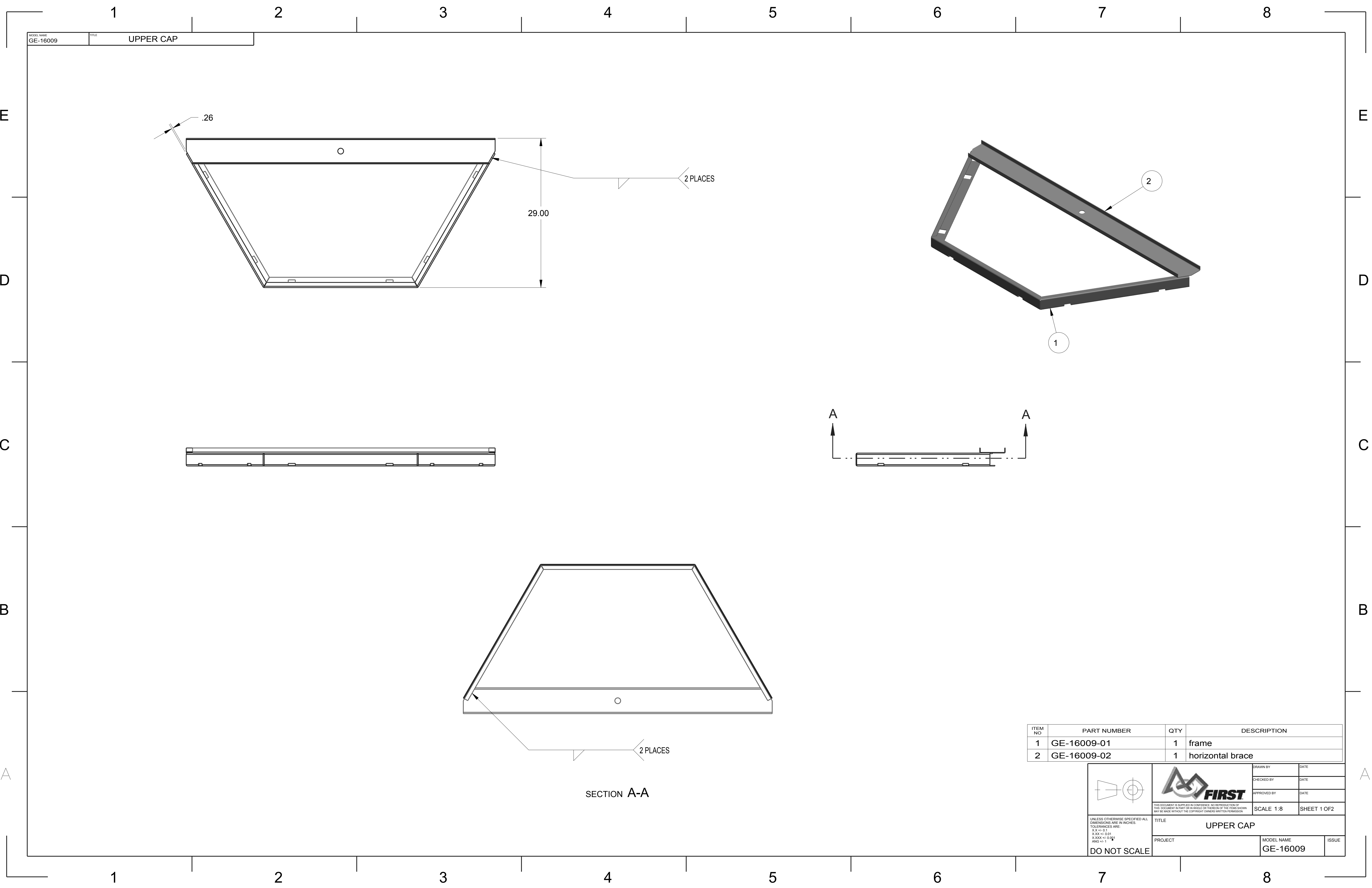
VIEW E

VIEW E




VIEW E

		DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
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	PROJECT	MODEL NAME GE-16008	ISSUE
DO NOT SCALE			



ITEM NO	PART NUMBER	QTY	DESCRIPTION
1	GE-16009-01	1	frame
2	GE-16009-02	1	horizontal brace



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XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

TITLE UPPER CAP	
PROJECT	MODEL NAME GE-16009
ISSUE	

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

SCALE 1:8

SHEET 1 OF 2

D

C

B

A

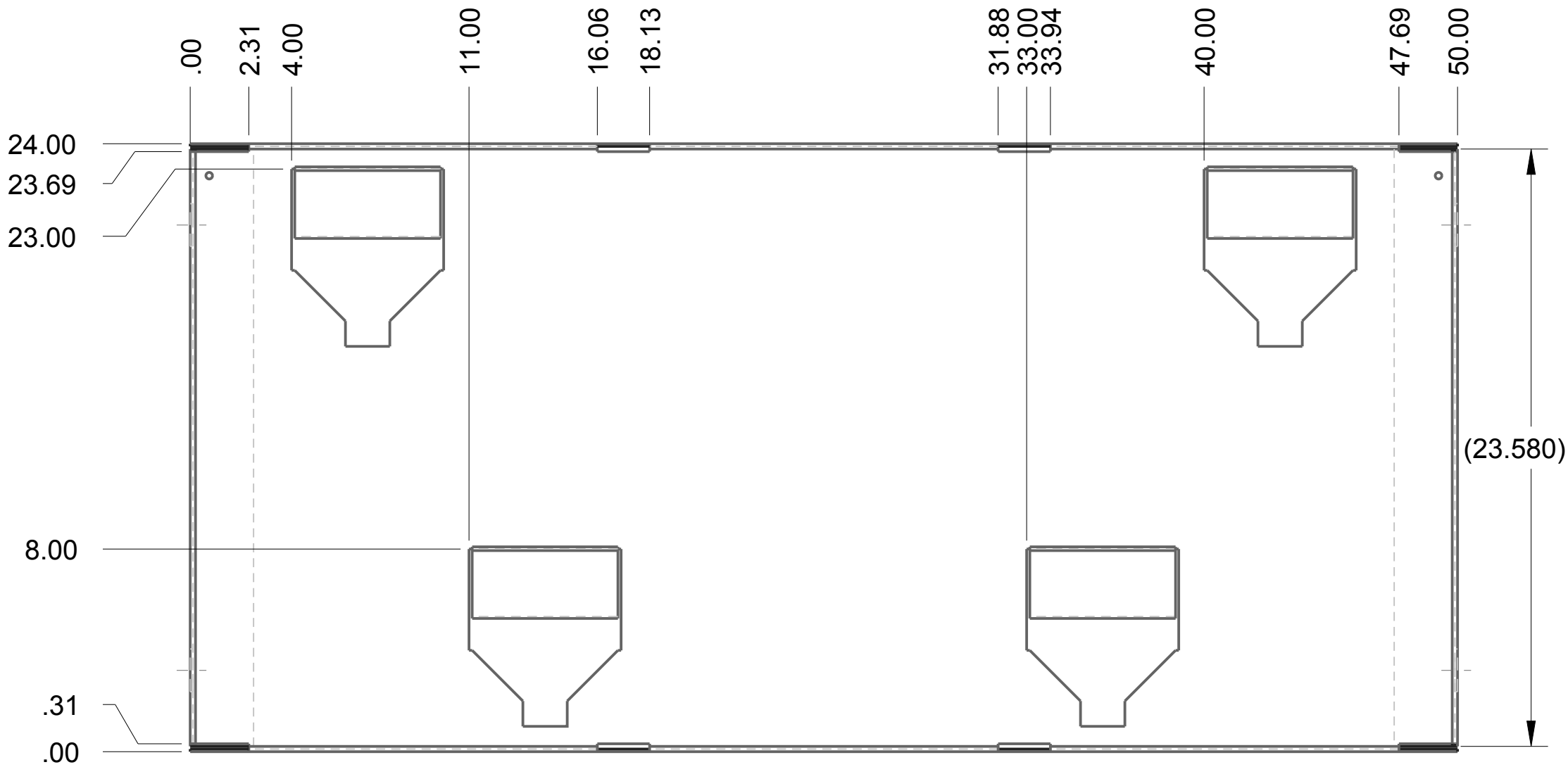
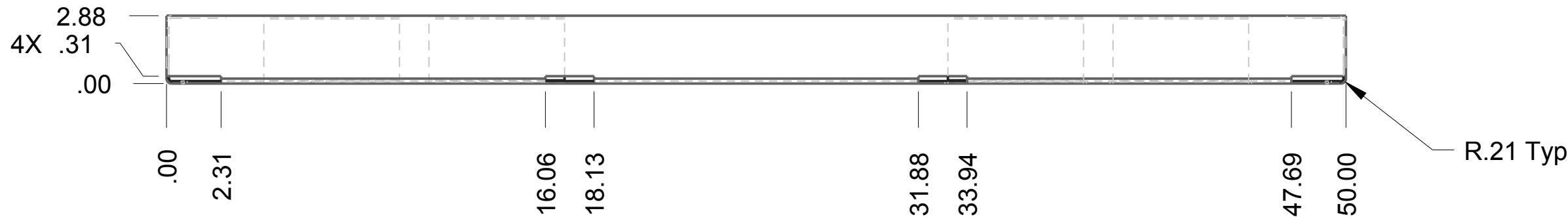
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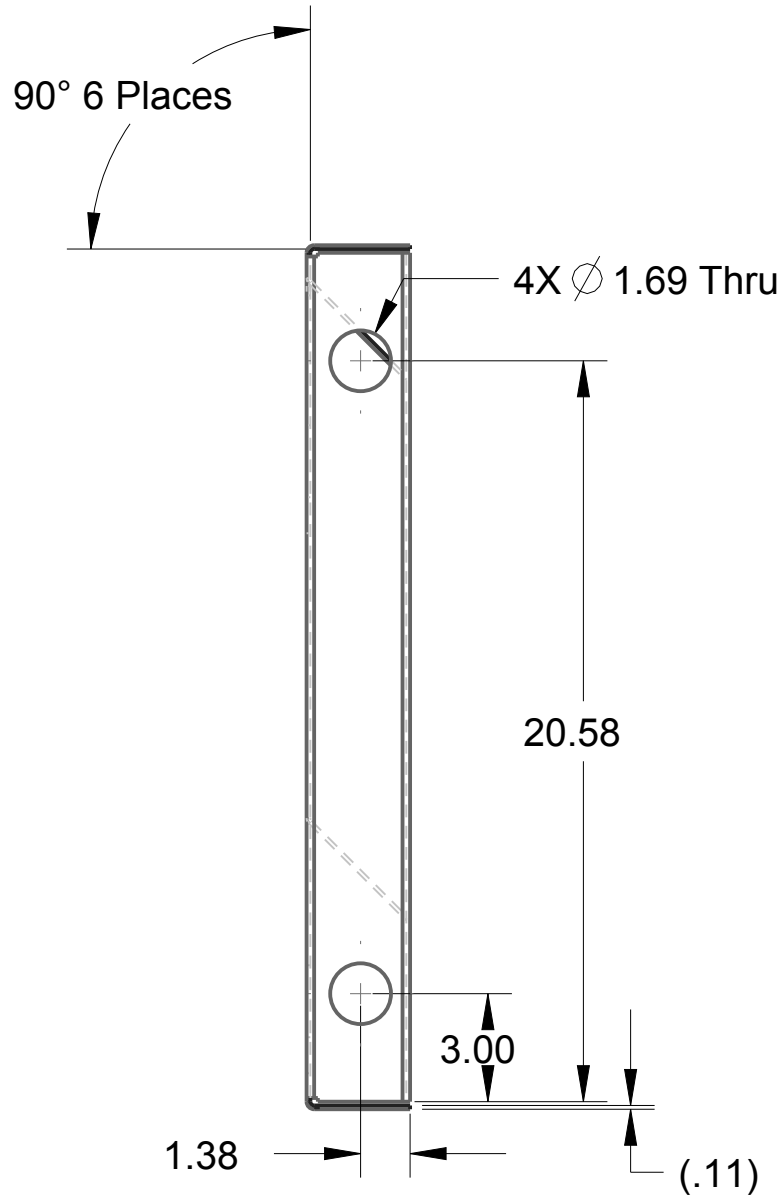
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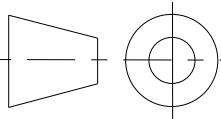

A

MODEL NAME	TITLE
GE-16010	Carrier, Defense



NOTE:
Material: .105" Cold Rolled, Sheet Steel
Please remove all sharp edges and burrs



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		APPROVED BY	DATE
		SCALE 3:16	SHEET 1 OF 2
<small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1</small> DO NOT SCALE	TITLE Carrier, Defense		
	PROJECT	MODEL NAME GE-16010	ISSUE

D

C

B

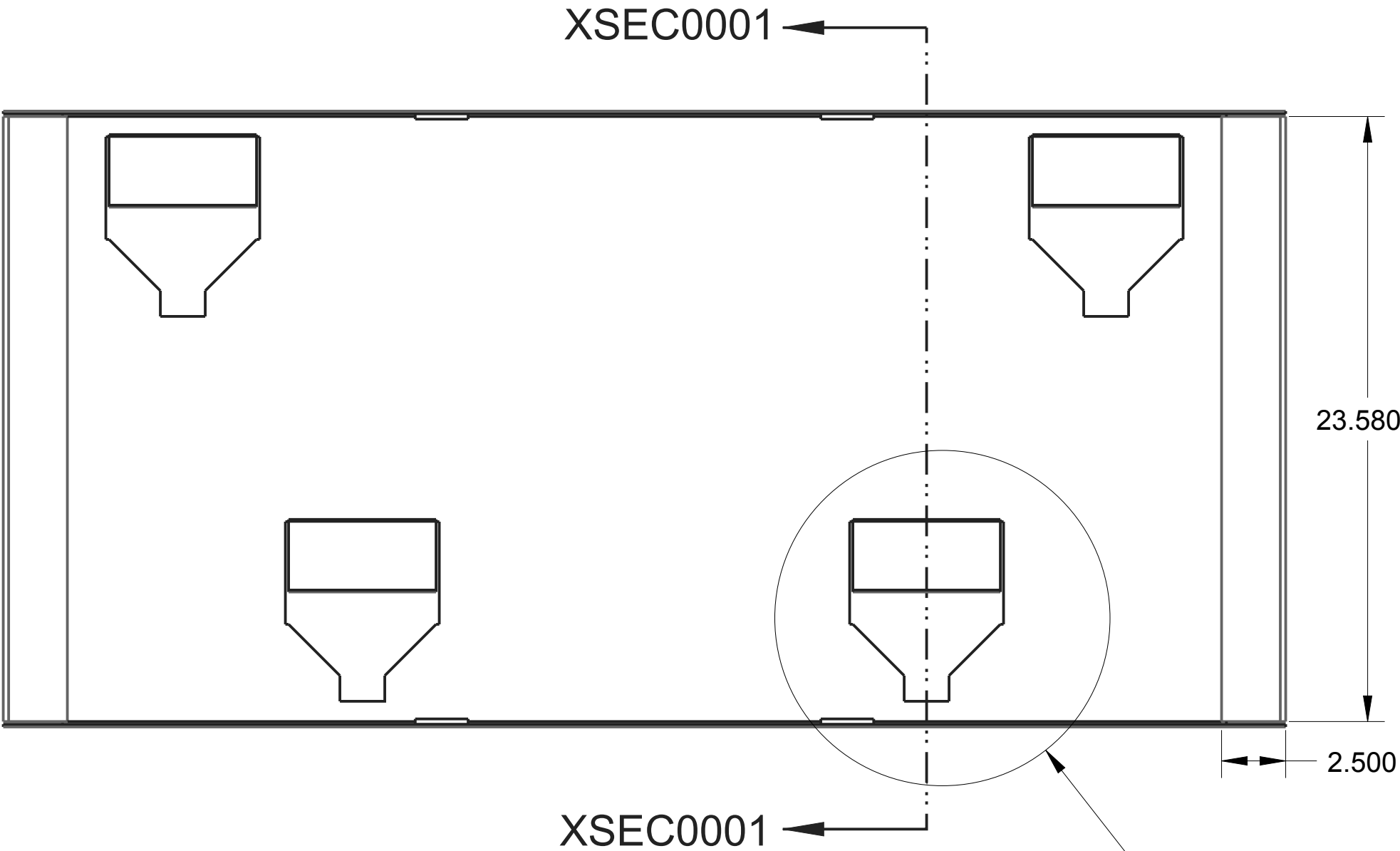
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D

C

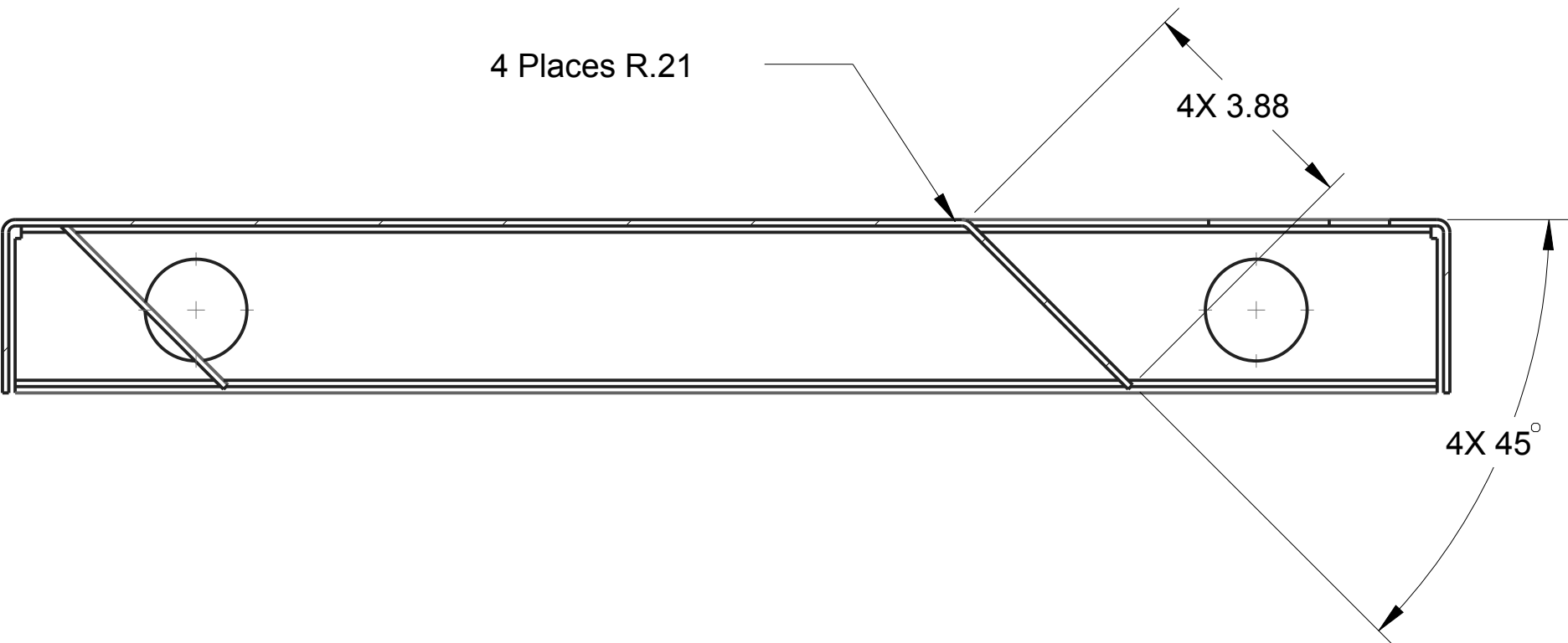
B

A



XSEC0001

SEE DETAIL A



SECTION XSEC0001-XSEC0001
SCALE 3:8

.00

2.74

4.00

6.00

7.00

.00

.13

2.13

3.88

5.88

6.00

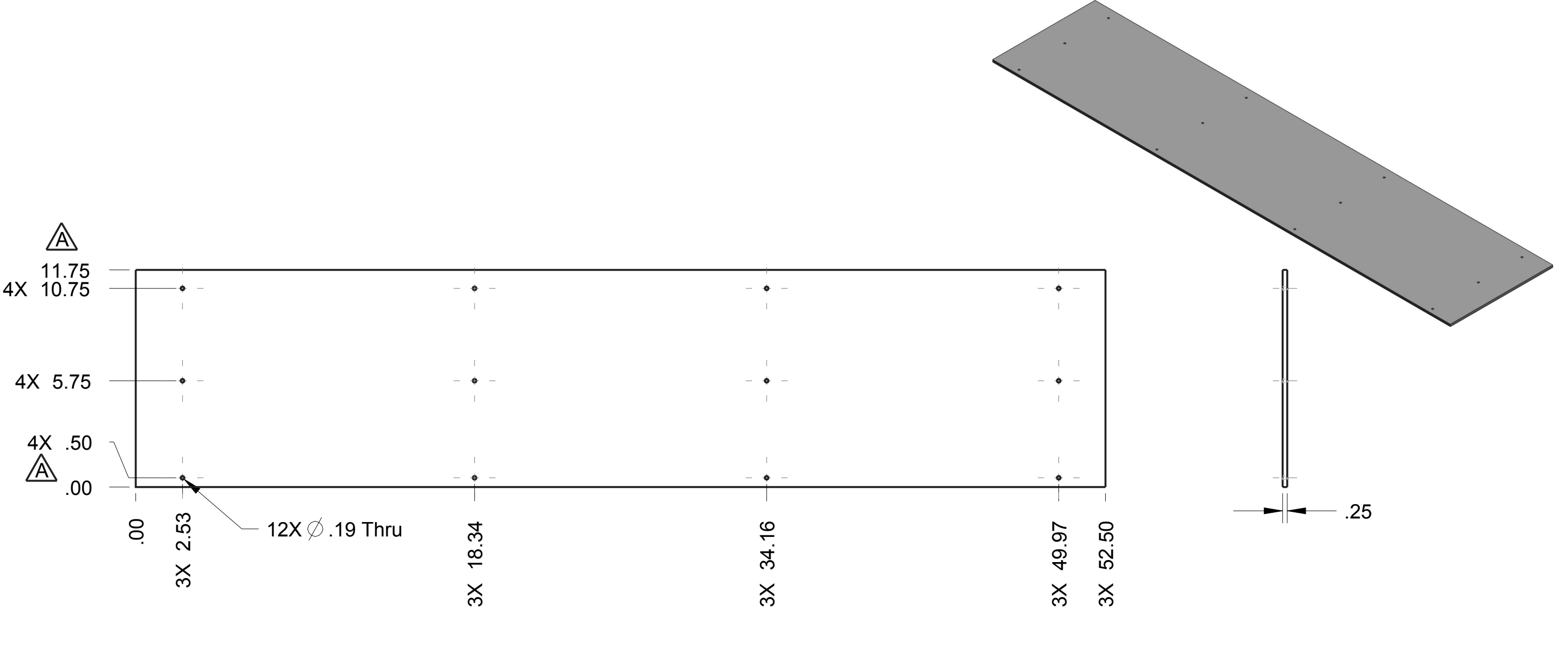
DETAIL A
SCALE 1:2

		DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 3:16	SHEET 2 OF 2
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PROJECT		MODEL NAME GE-16010	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL
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TOLERANCES ARE:
XX +/- 0.1
XXX +/- 0.01
XXXX +/- 0.001
ANG +/- 1

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REV	ZONE	DESCRIPTION	INITIALS	DATE
A	B-1, C-1	.50 WAS .75, 11.75 WAS 12.00	DAF	12/16/15



NOTE

Material: 1/4" CLEAR POLYCARBONATE, SANDED ONE SIDE

Scale: 3:16



DRAWN BY

CHECKED BY

APPROVED BY

DATE

DATE

DATE

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SCALE 3:16

SHEET 1 OF 1



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DATE

DATE

DATE

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SCALE 3:16

SHEET 1 OF 1

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X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

TITLE

DEFENSE RAMP

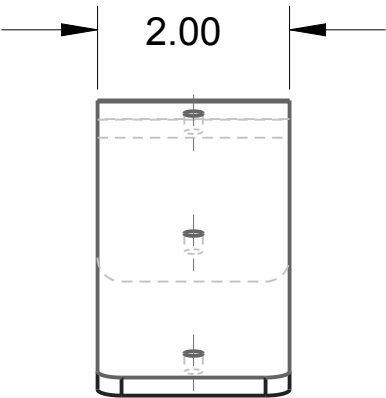
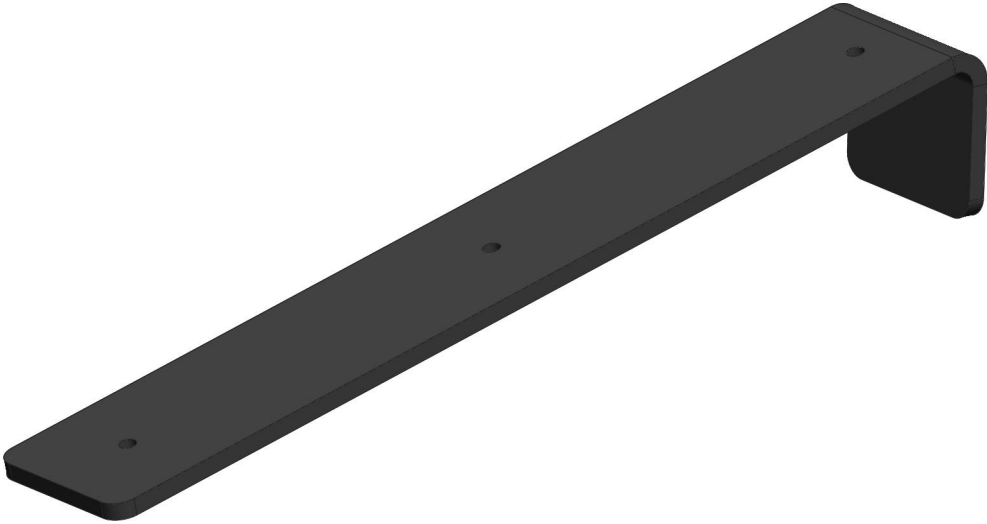
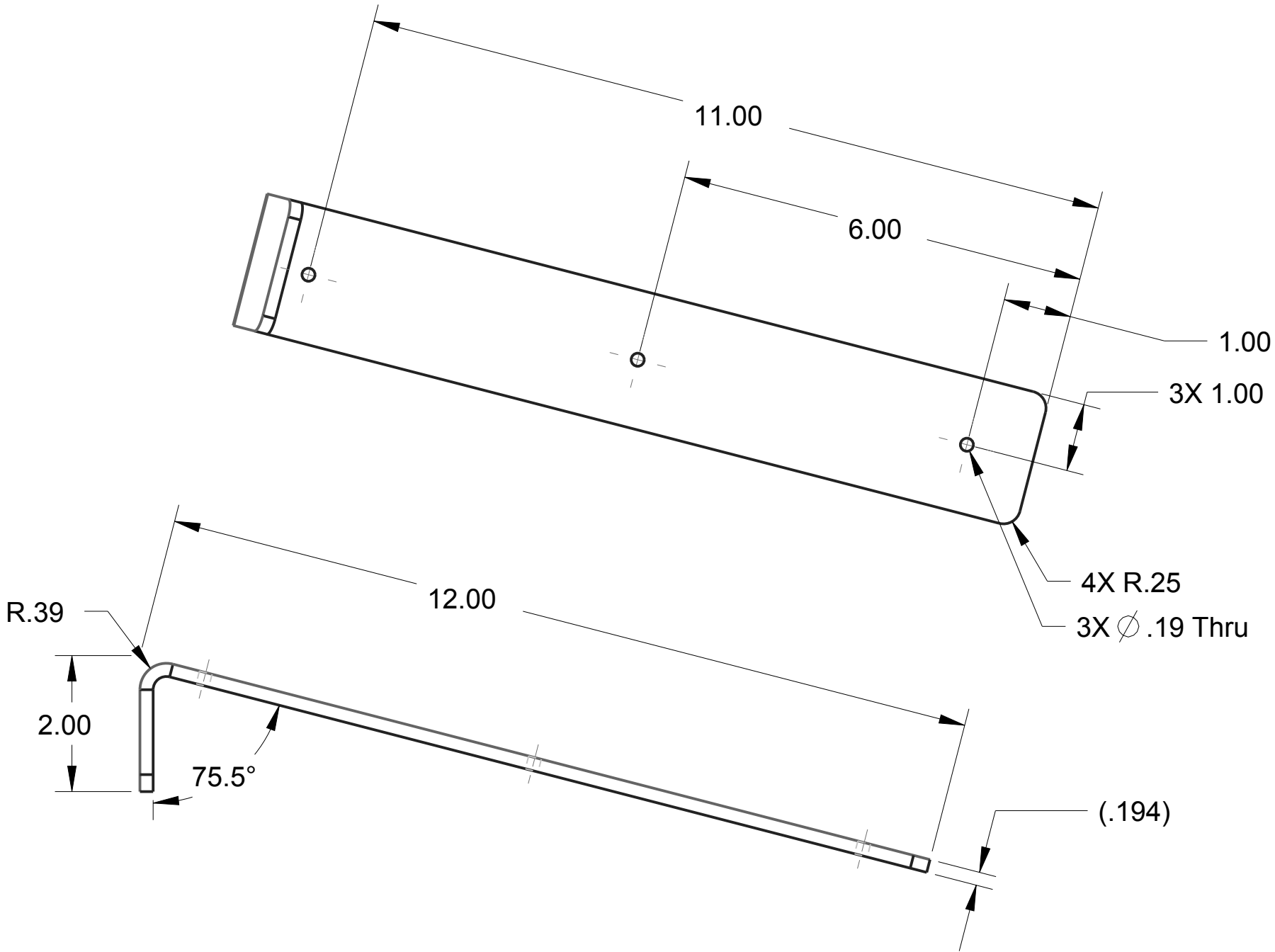
PROJECT

MODEL NAME

GE-16011

ISSUE

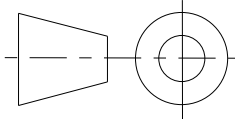
ASME STANDARD.INC



NOTE

Material: 6 Gauge Steel Sheet, .194 Thick
Scale: 1:2

Remove all burrs and sharp edges



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



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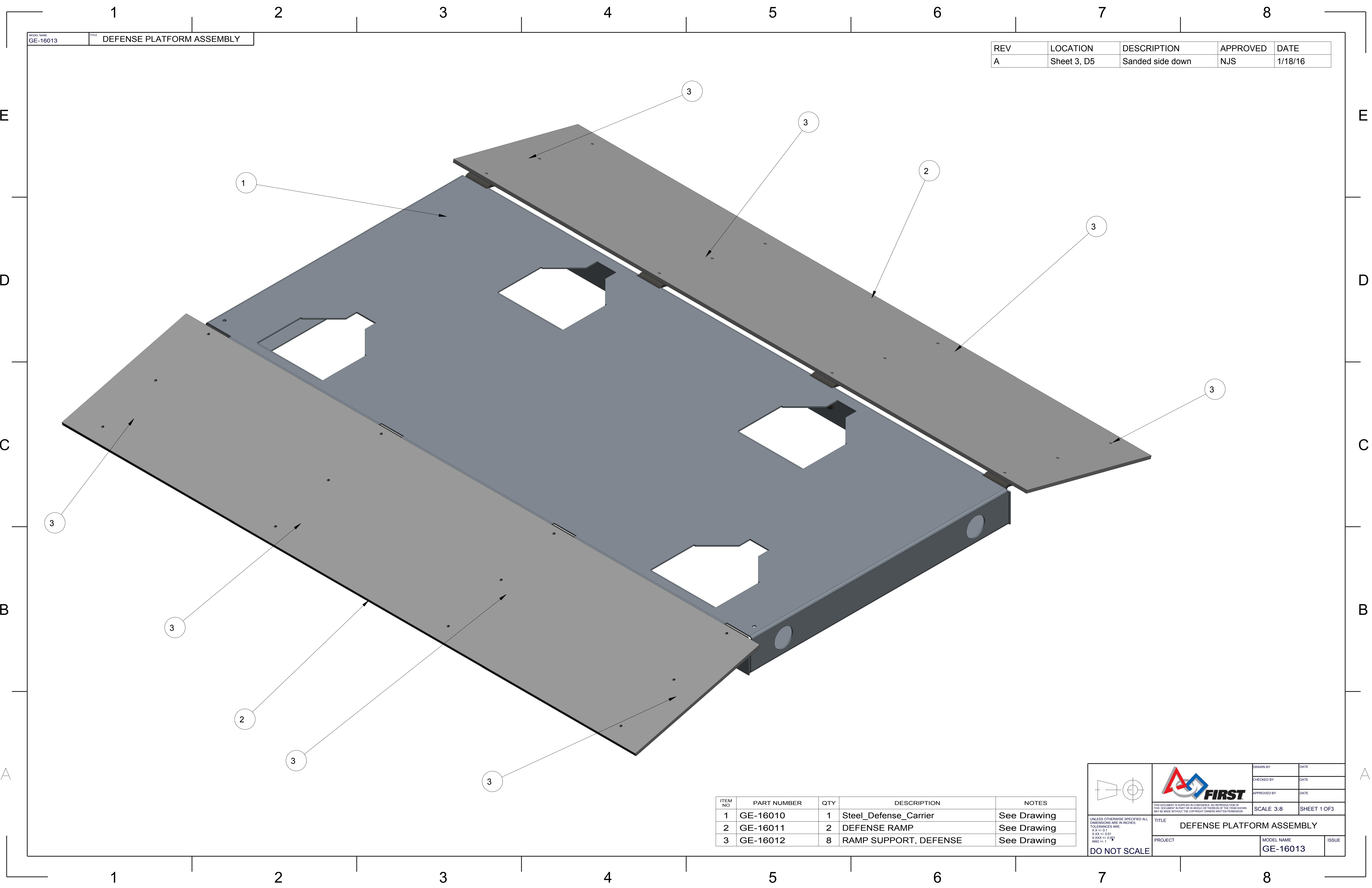
TITLE
RAMP SUPPORT

PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:2	SHEET 1 OF 1

MODEL NAME
GE-16012

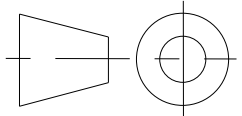
ISSUE




MODEL NAME GE-16013	TITLE DEFENSE PLATFORM ASSEMBLY
------------------------	------------------------------------

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	Sheet 3, D5	Sanded side down	NJS	1/18/16

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16010	1	Steel_Defense_Carrier	See Drawing
2	GE-16011	2	DEFENSE RAMP	See Drawing
3	GE-16012	8	RAMP SUPPORT, DEFENSE	See Drawing



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XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1
DO NOT SCALE

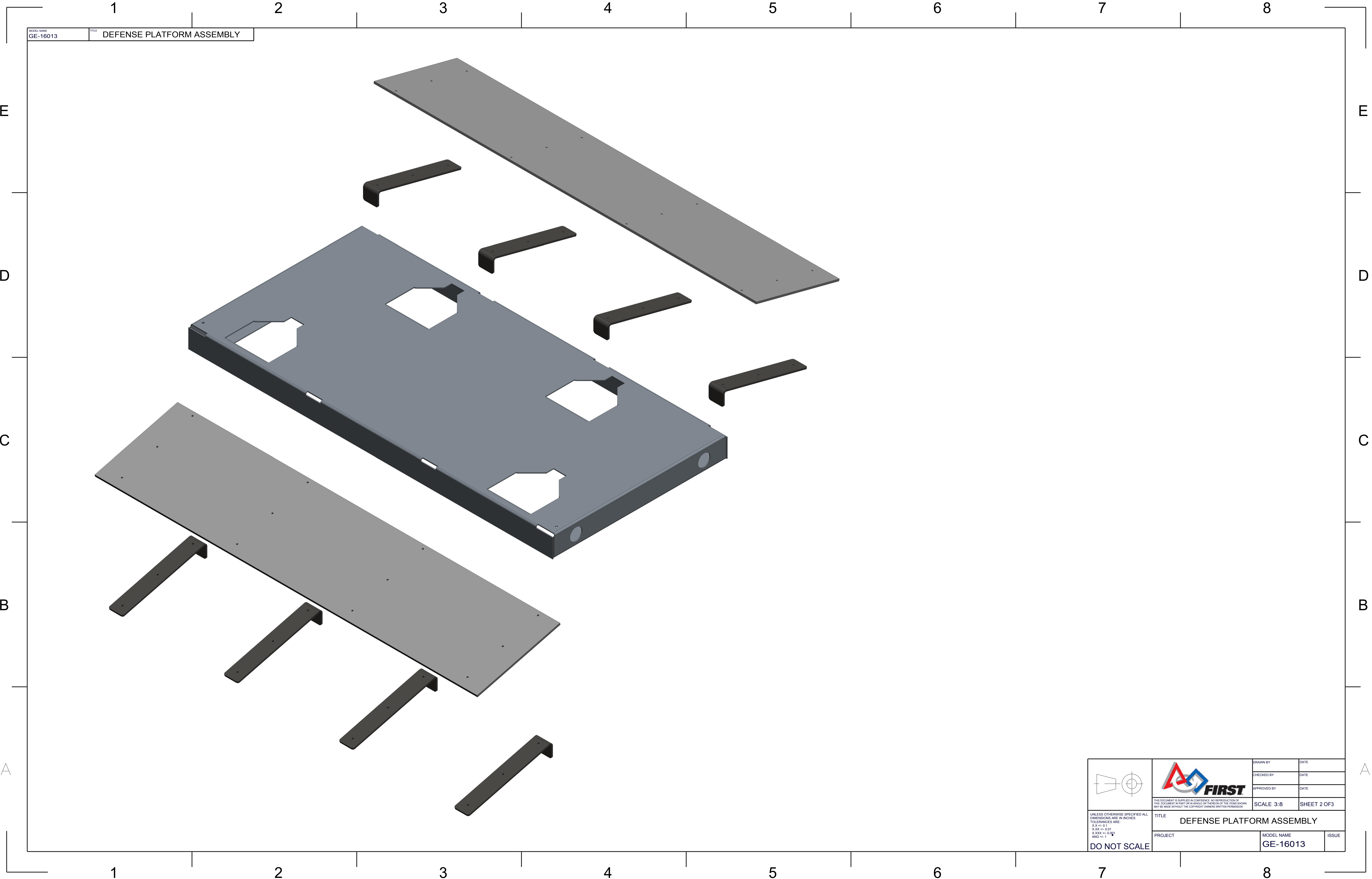


TITLE
DEFENSE PLATFORM ASSEMBLY

PROJECT
MODEL NAME
GE-16013

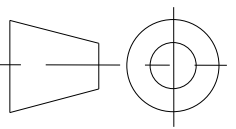

ISSUE

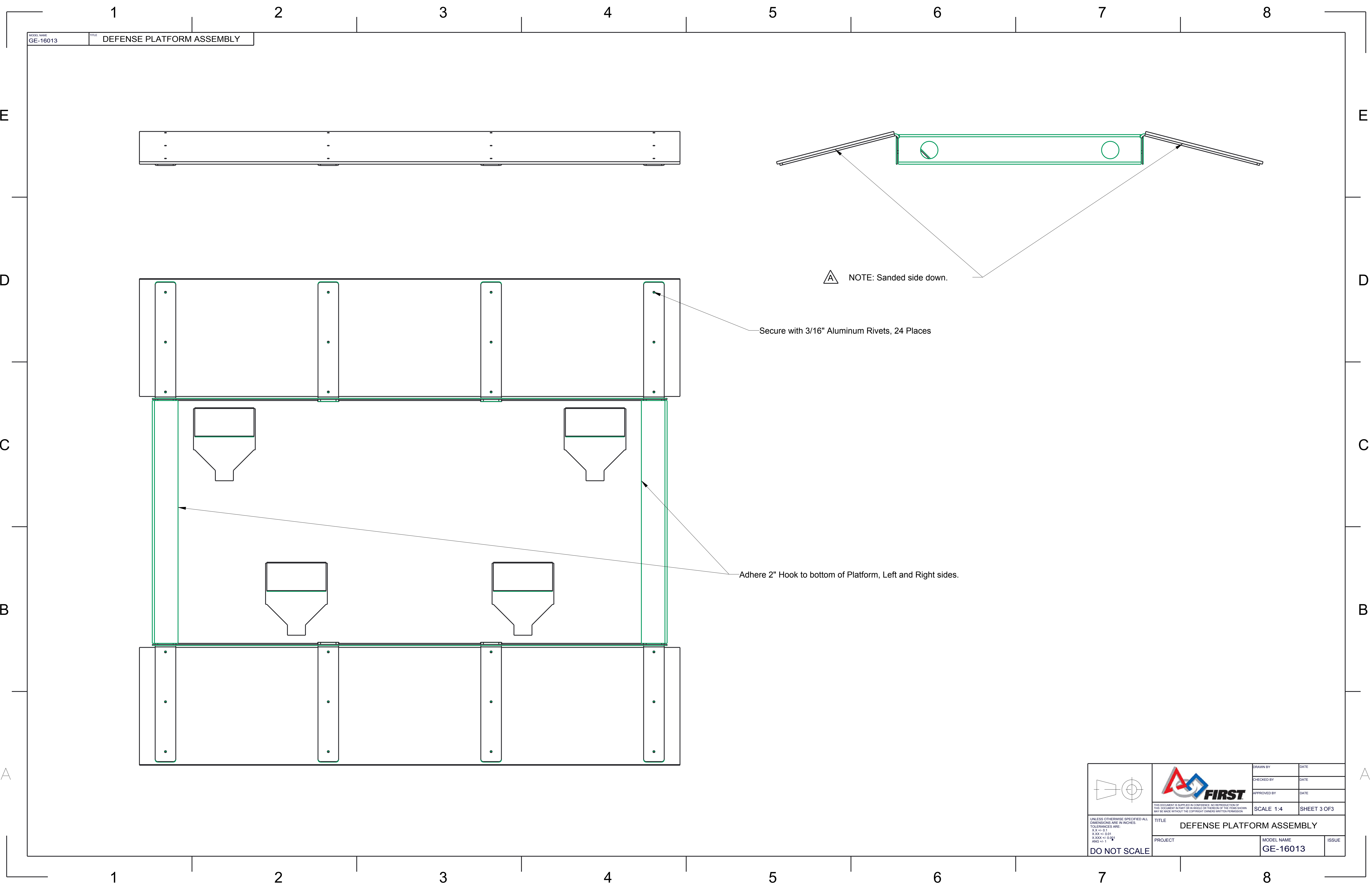
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CHECKED BY	DATE
APPROVED BY	DATE
SCALE 3:8	SHEET 1 OF 3

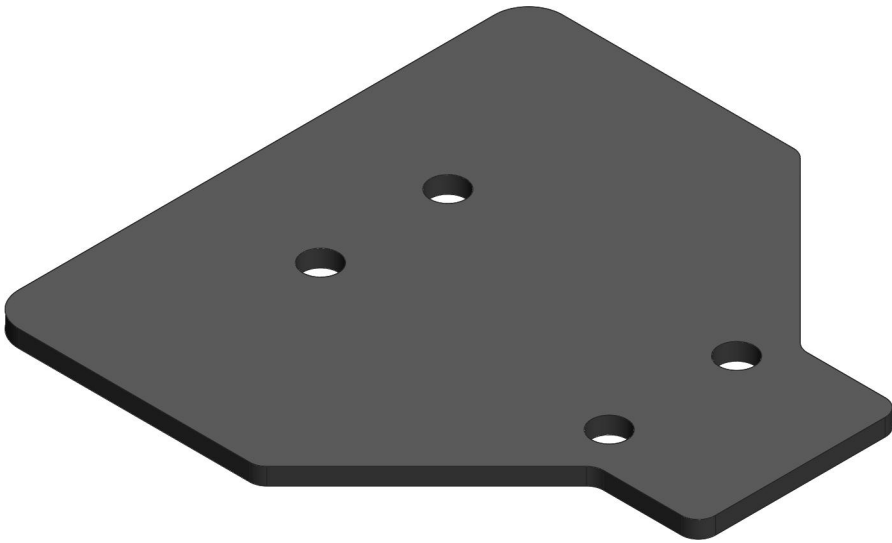
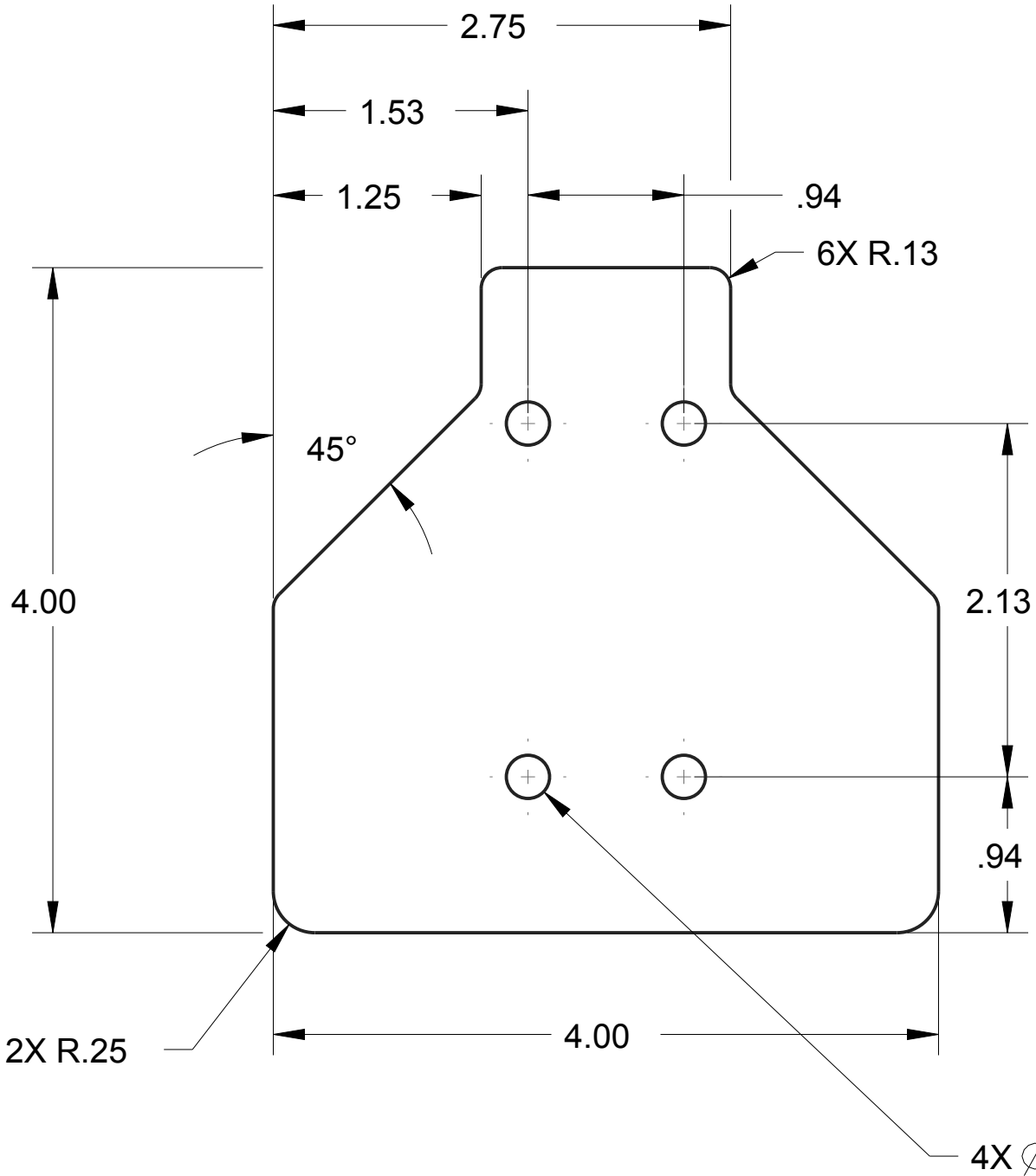
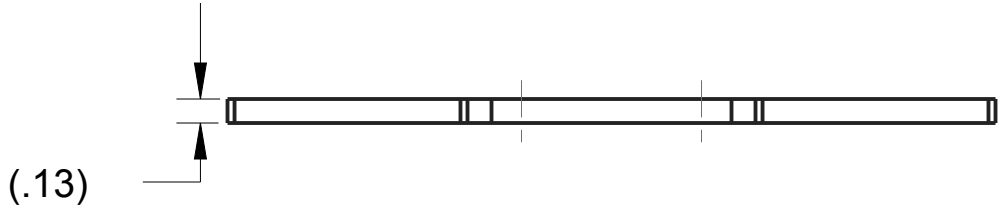


MODEL NAME
GE-16013

TITLE
DEFENSE PLATFORM ASSEMBLY

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PROJECT		MODEL NAME GE-16013	ISSUE
DO NOT SCALE		SCALE 3:8 SHEET 2 OF 3	




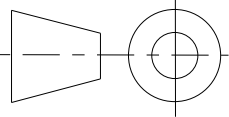


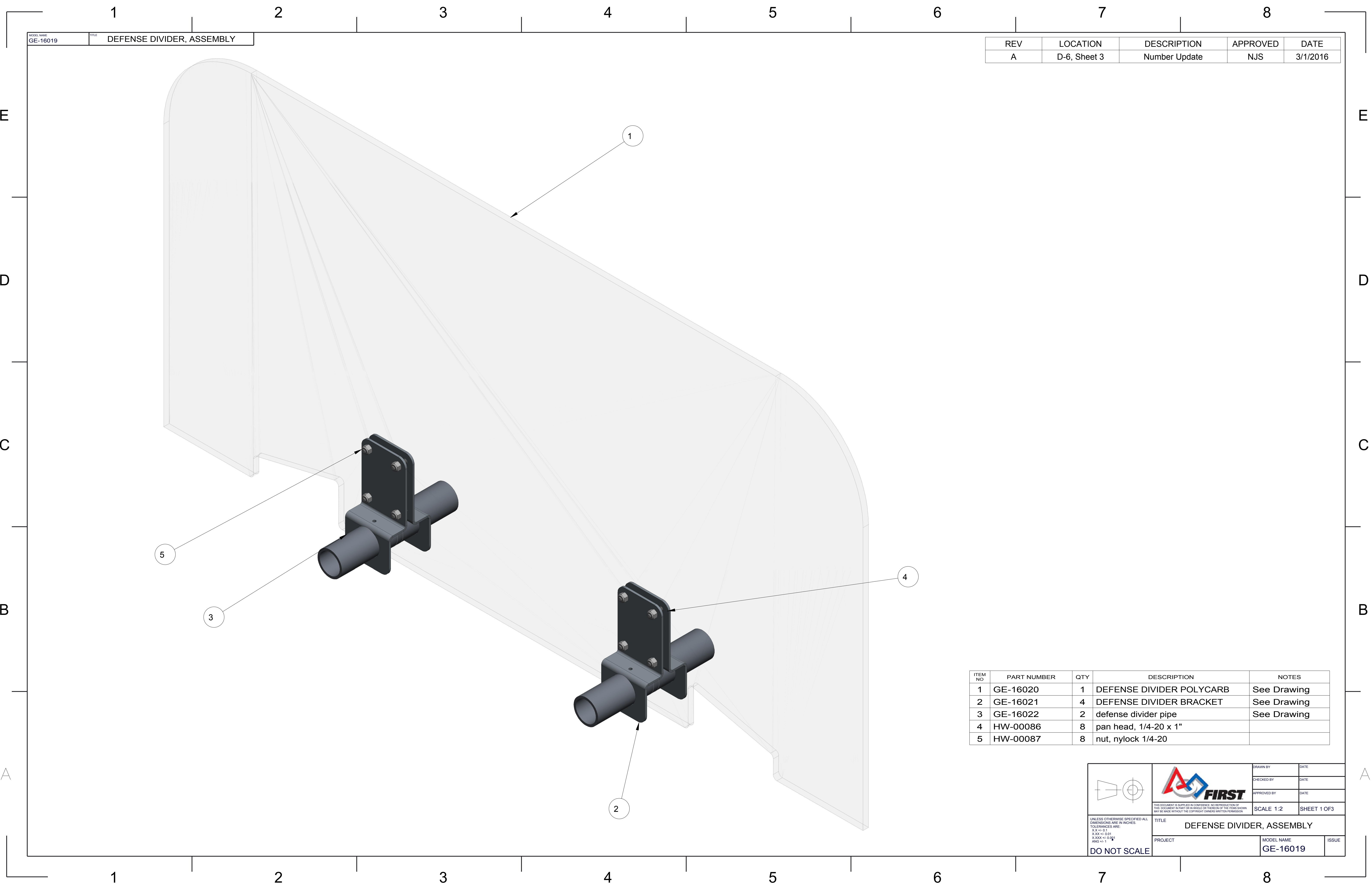
NOTE

Material: .125" thick steel sheet

Scale: 1:1

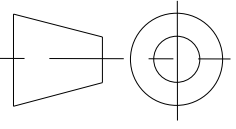
Remove all sharp edges and burrs

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	SCALE 1:1	SHEET 1 OF 1
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	PROJECT	MODEL NAME GE-16017
DO NOT SCALE	ISSUE	




REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	D-6, Sheet 3	Number Update	NJS	3/1/2016

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16020	1	DEFENSE DIVIDER POLYCARB	See Drawing
2	GE-16021	4	DEFENSE DIVIDER BRACKET	See Drawing
3	GE-16022	2	defense divider pipe	See Drawing
4	HW-00086	8	pan head, 1/4-20 x 1"	
5	HW-00087	8	nut, nylock 1/4-20	



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X.XX +/- 0.1
X.XXX +/- 0.01
ANG +/- 1

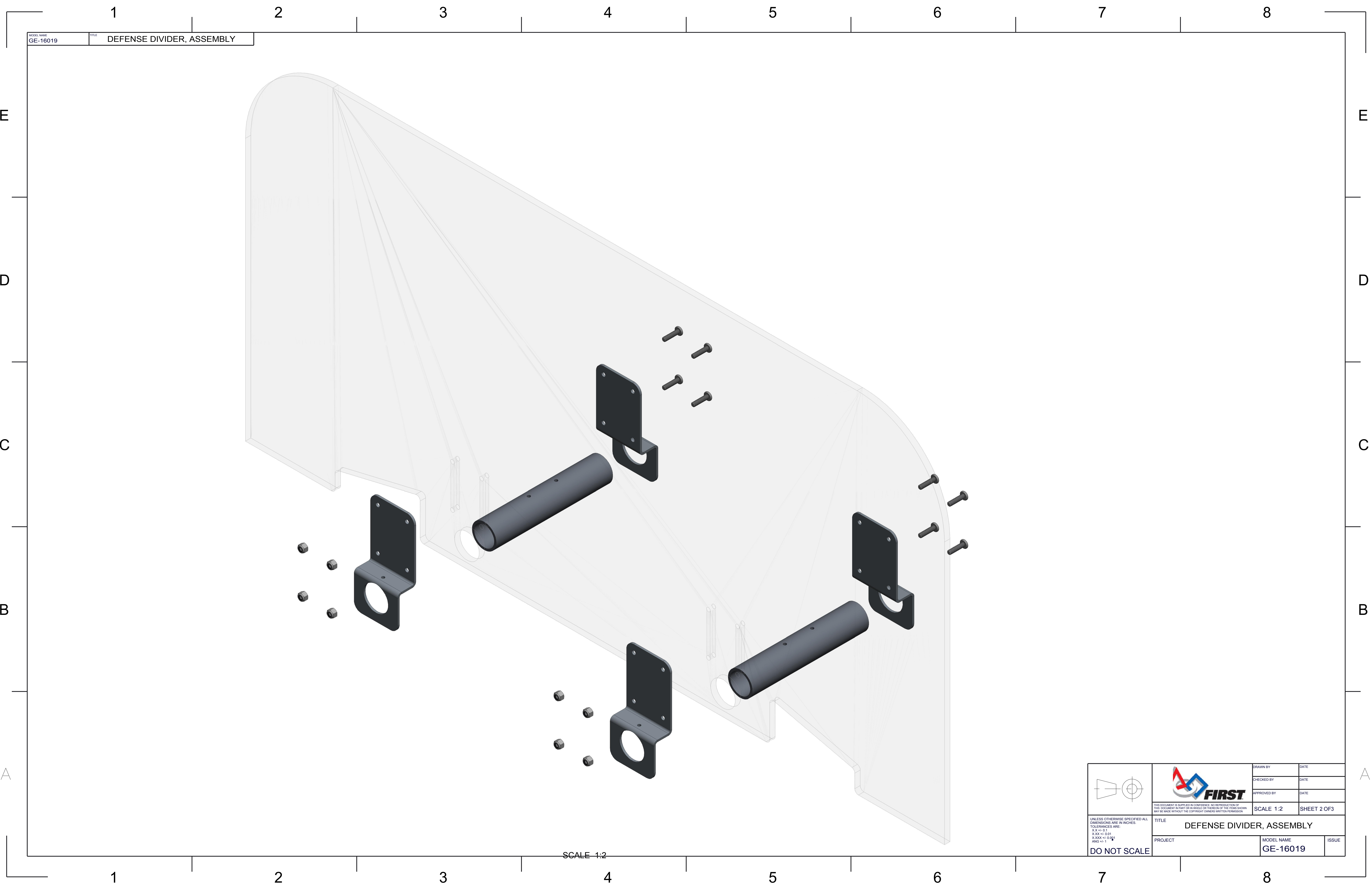
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TITLE		DEFENSE DIVIDER, ASSEMBLY	
PROJECT	MODEL NAME	ISSUE	
	GE-16019		



DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:2	
SHEET 1 OF 3	

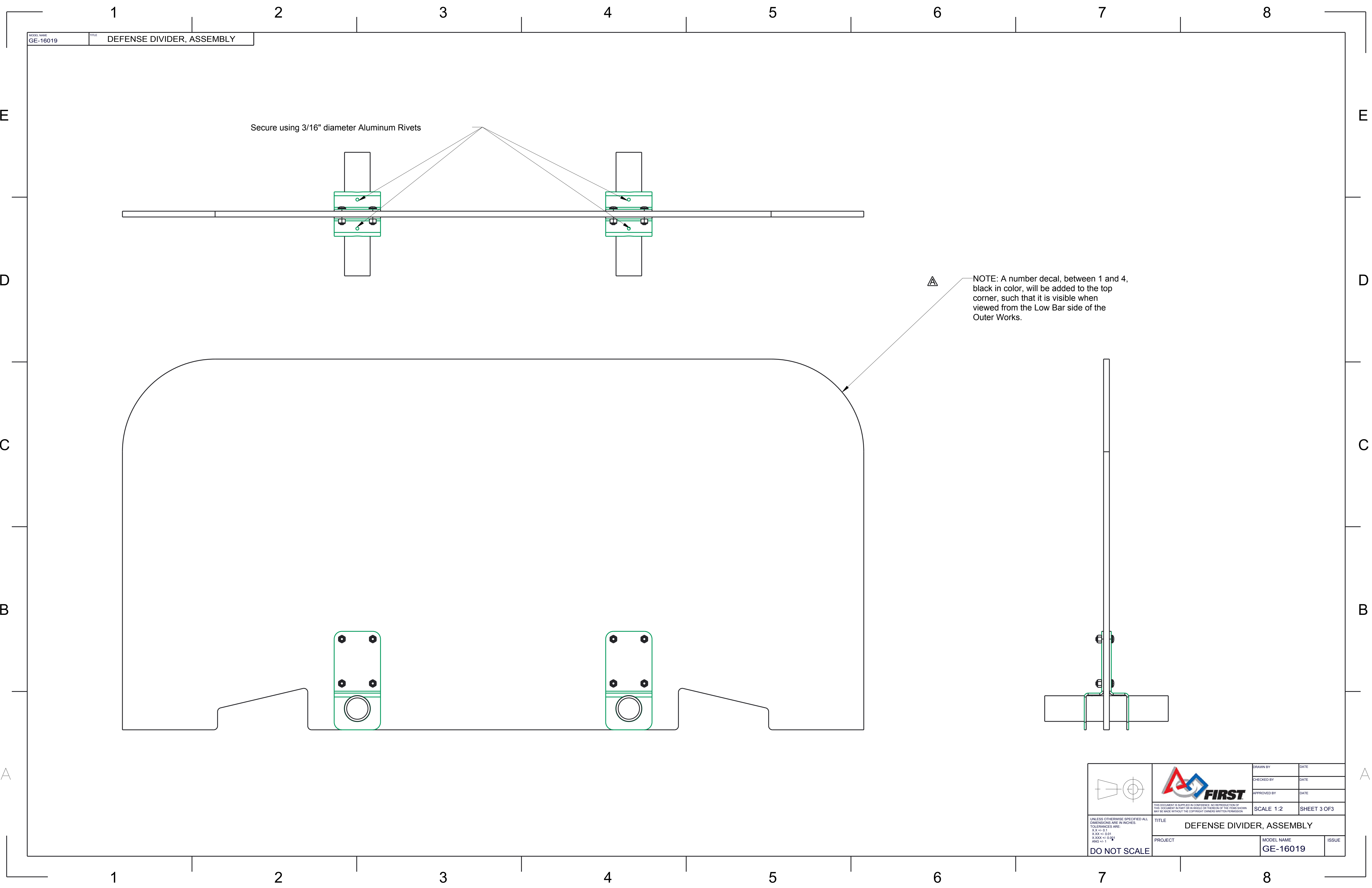


MODEL NAME
GE-16019

TITLE
DEFENSE DIVIDER, ASSEMBLY


SCALE 1:2

		DRAWN BY	DATE
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		APPROVED BY	DATE
		SCALE 1:2 SHEET 2 OF 3	
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PROJECT	MODEL NAME GE-16019		ISSUE
DO NOT SCALE			



MODEL NAME
GE-16019

TITLE
DEFENSE DIVIDER, ASSEMBLY



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

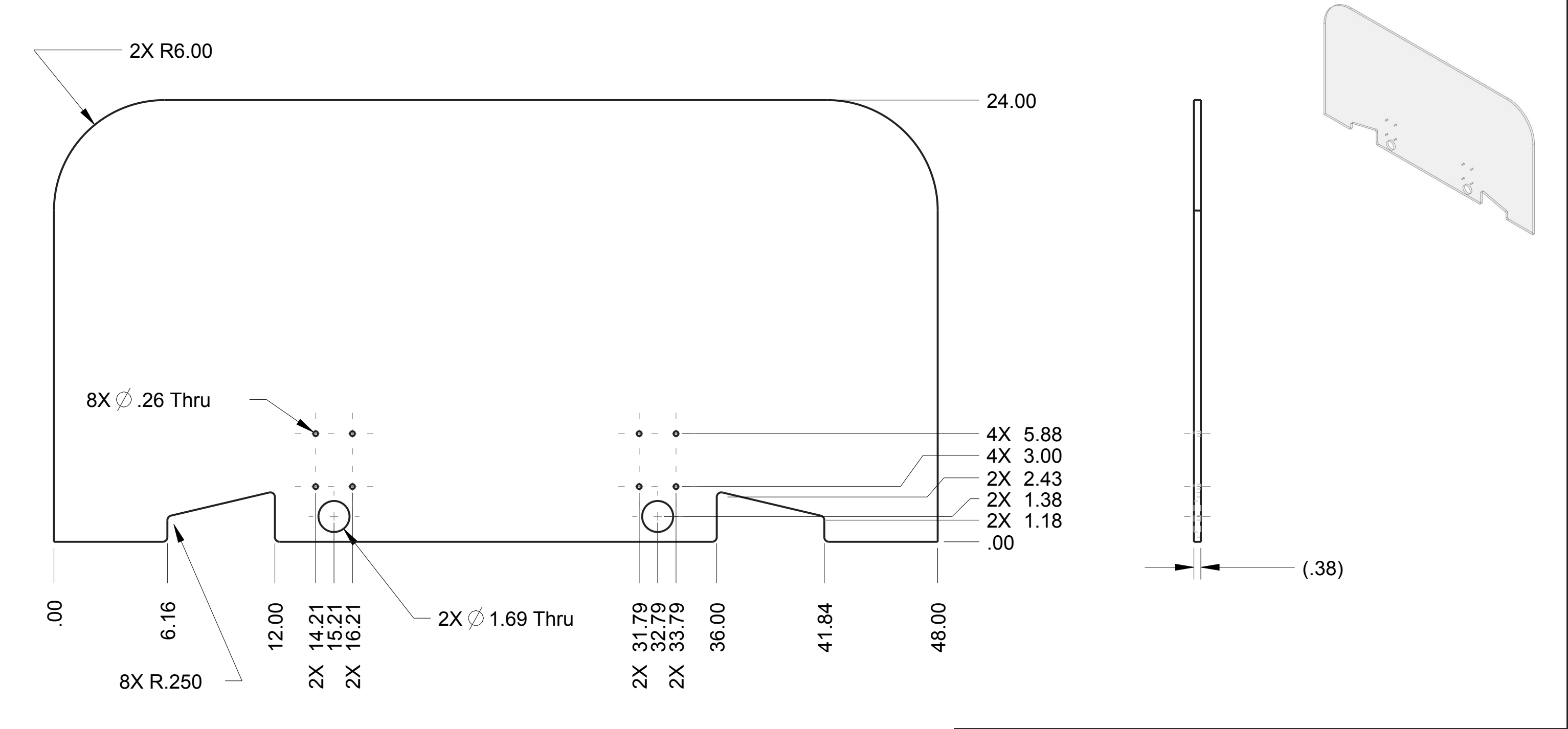
DO NOT SCALE

TITLE DEFENSE DIVIDER, ASSEMBLY	
PROJECT	MODEL NAME GE-16019
ISSUE	

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

SCALE 1:2

SHEET 3 OF 3



NOTE Material: Clear Polycarbonate, .375" Thick Scale: 3:16			DRAWN BY	DATE
			CHECKED BY	DATE
			APPROVED BY	DATE
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		TITLE DIVIDER		
		PROJECT		MODEL NAME GE-16020



NOTE

Material: Steel Sheet, .125 Thick
Scale: 5:8

Remove all burrs and sharp edges



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SCALE 5:8	SHEET 1 OF 1

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TITLE DIVIDER BRACKET

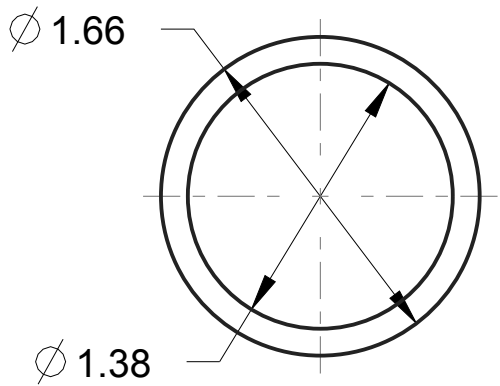
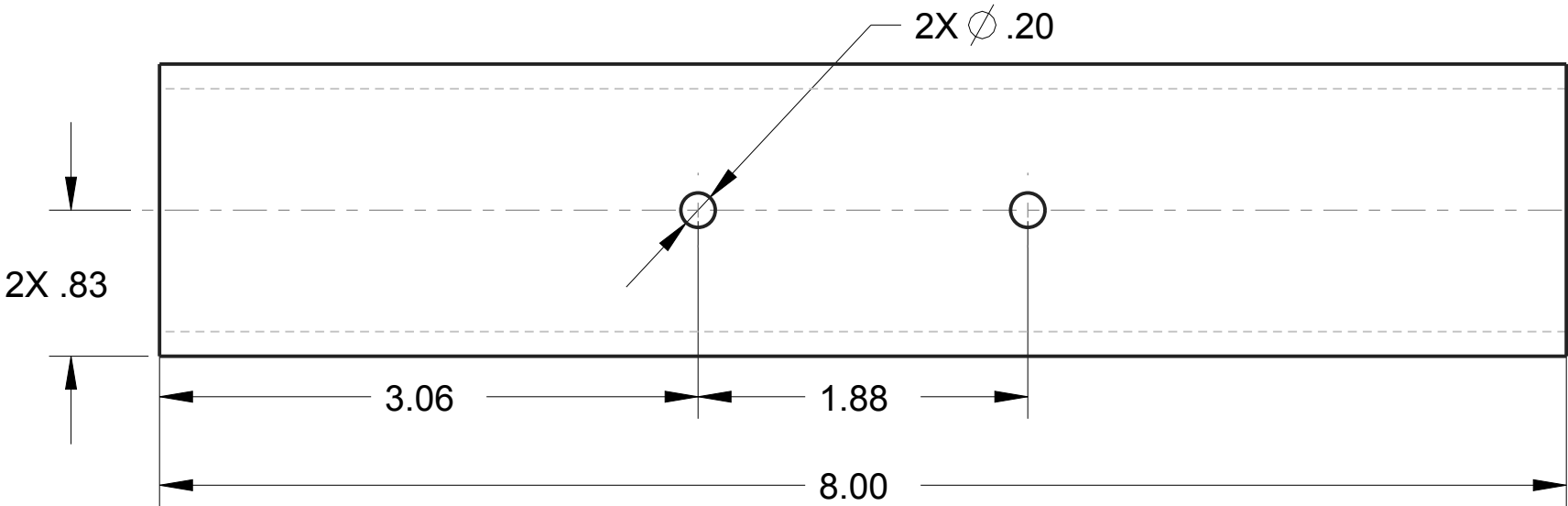
PROJECT

MODEL NAME
GE-16021

ISSUE

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TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

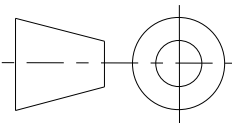

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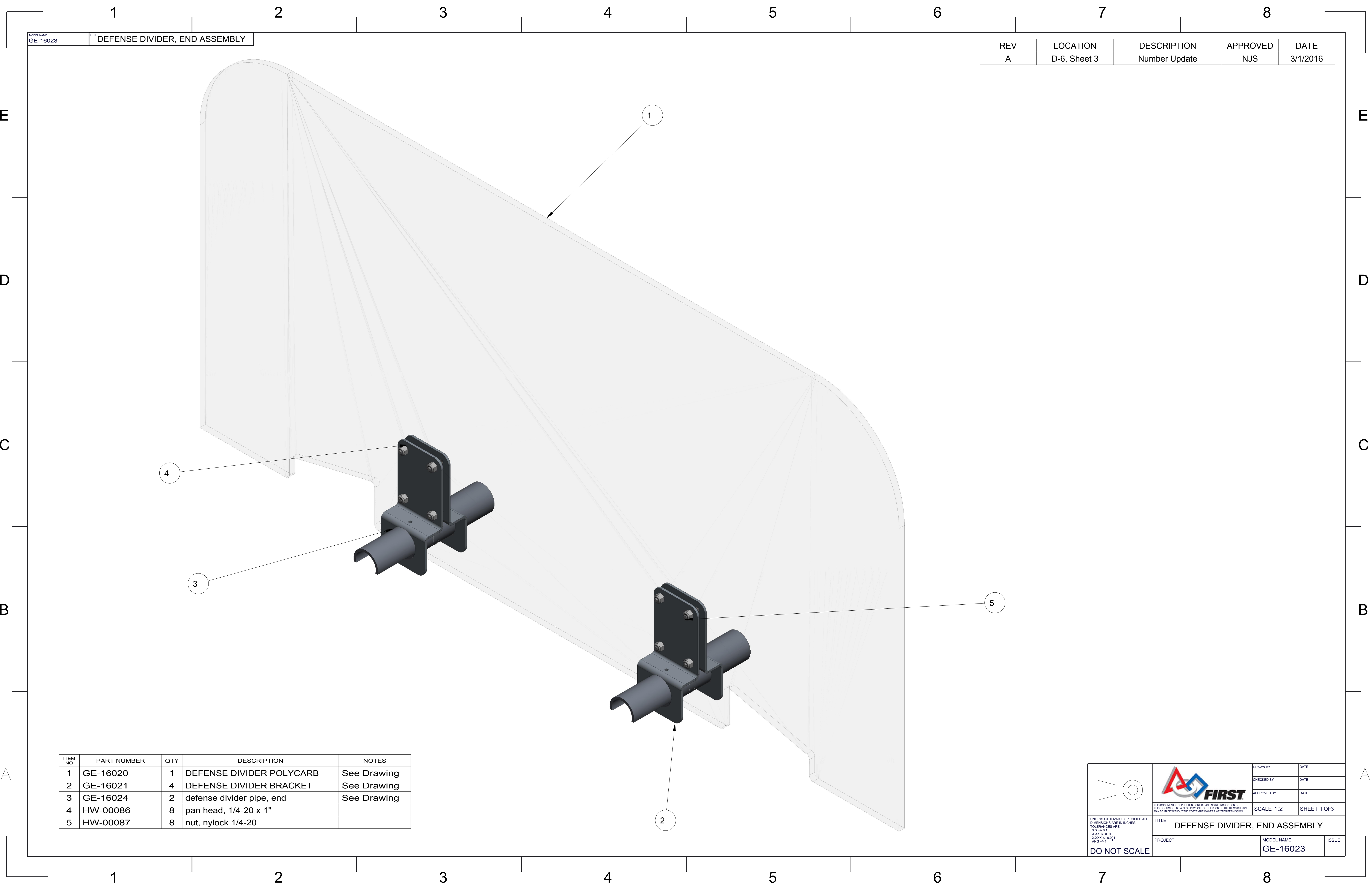
NOTE

Material: 1.25" Schedule 40 Pipe, 6061 Aluminum

Scale: 1:1

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		APPROVED BY	DATE
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°	TITLE DIVIDER PIPE		
	PROJECT	MODEL NAME GE-16022	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°



REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	D-6, Sheet 3	Number Update	NJS	3/1/2016

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16020	1	DEFENSE DIVIDER POLYCARB	See Drawing
2	GE-16021	4	DEFENSE DIVIDER BRACKET	See Drawing
3	GE-16024	2	defense divider pipe, end	See Drawing
4	HW-00086	8	pan head, 1/4-20 x 1"	
5	HW-00087	8	nut, nylock 1/4-20	

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

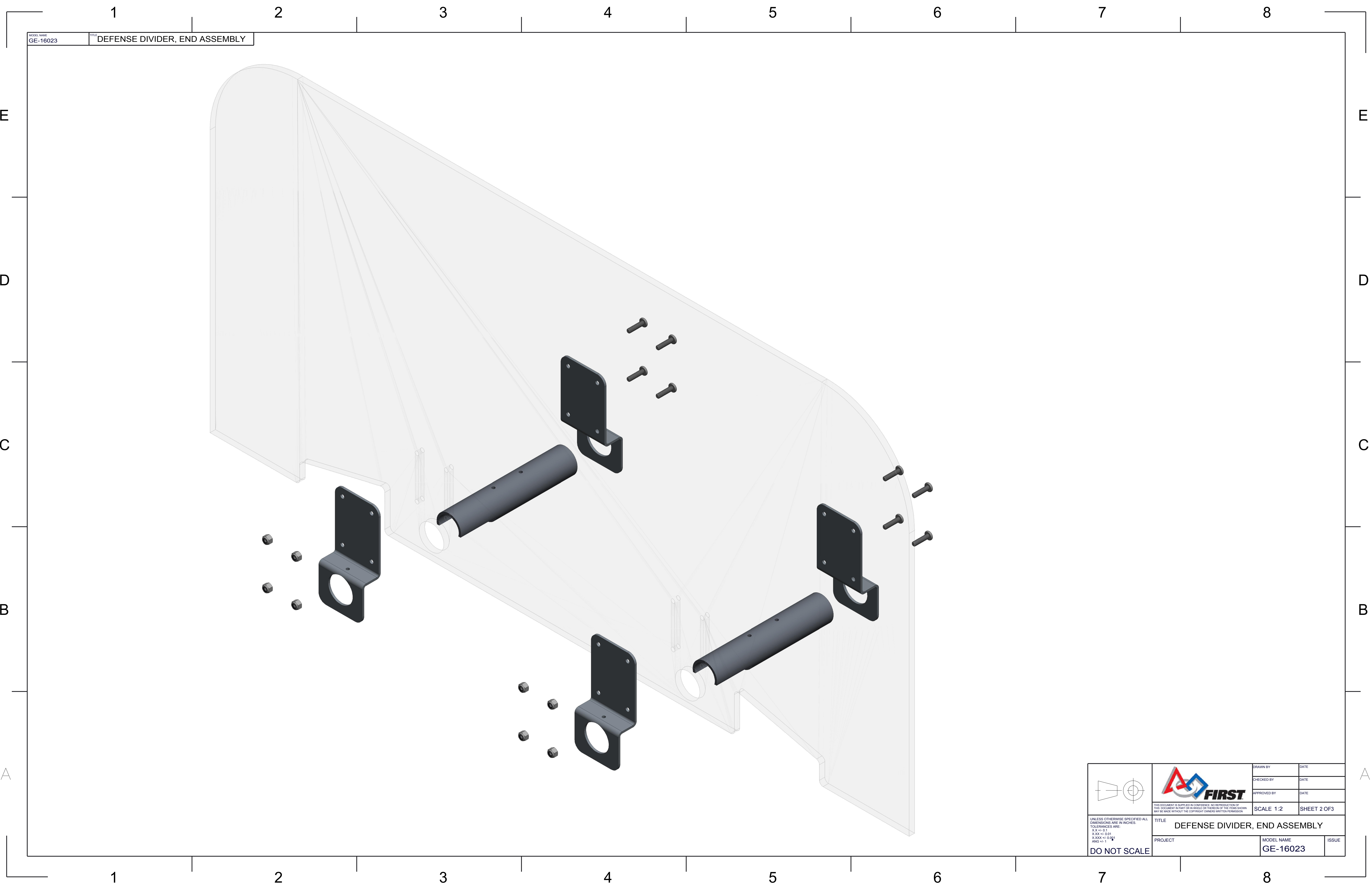
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DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

SCALE 1:2

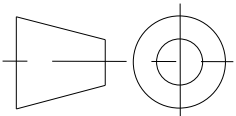

SHEET 1 OF 3

TITLE DEFENSE DIVIDER, END ASSEMBLY		
PROJECT	MODEL NAME GE-16023	ISSUE



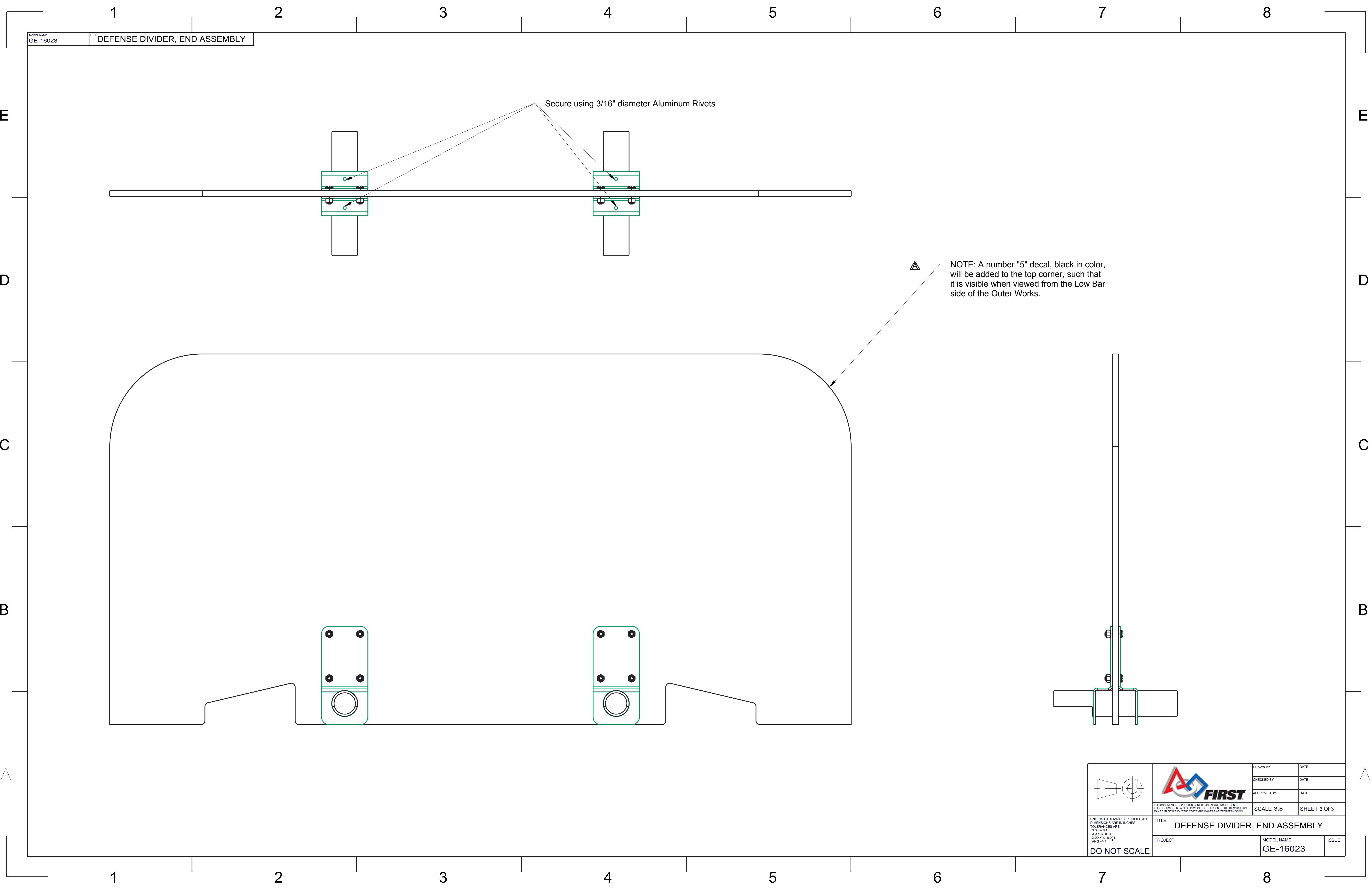
MODEL NAME
GE-16023

TITLE
DEFENSE DIVIDER, END ASSEMBLY

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TITLE DEFENSE DIVIDER, END ASSEMBLY		SCALE 1:2	SHEET 2 OF 3
PROJECT		MODEL NAME GE-16023	ISSUE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

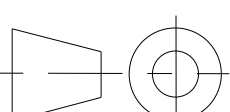



MODEL NAME
GE-16023

TITLE
DEFENSE DIVIDER, END ASSEMBLY

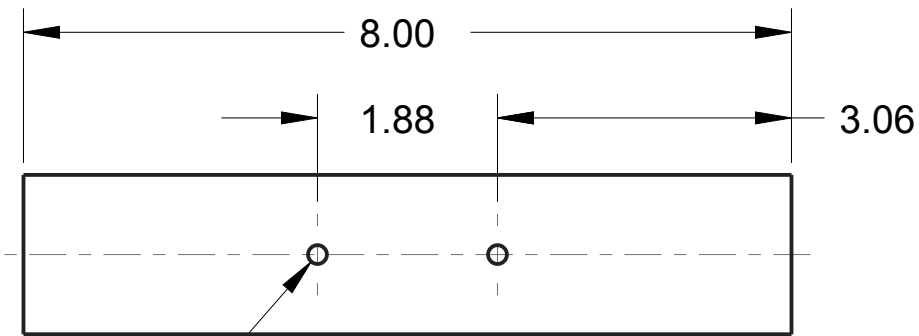
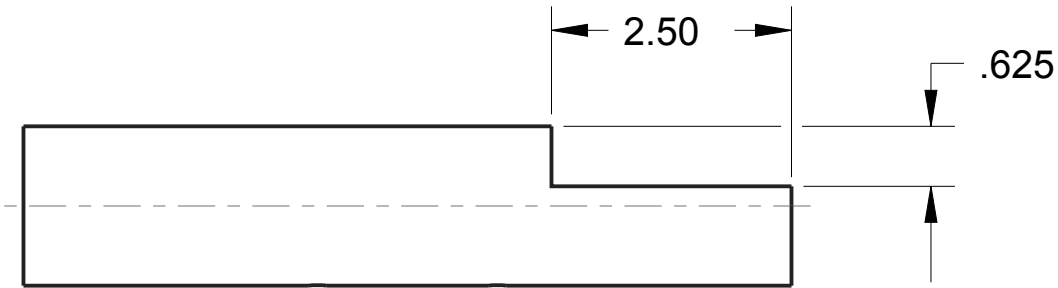
Secure using 3/16" diameter Aluminum Rivets

NOTE: A number "5" decal, black in color, will be added to the top corner, such that it is visible when viewed from the Low Bar side of the Outer Works.

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		APPROVED BY	DATE
		SCALE 3:8	SHEET 3 OF 3
TITLE DEFENSE DIVIDER, END ASSEMBLY			
PROJECT	MODEL NAME GE-16023		ISSUE

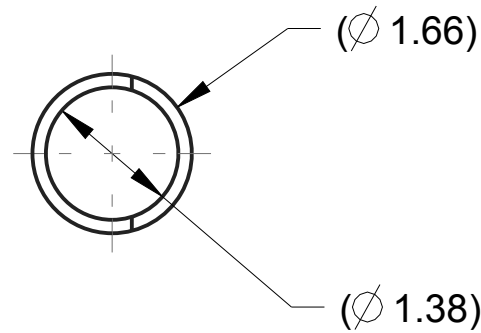
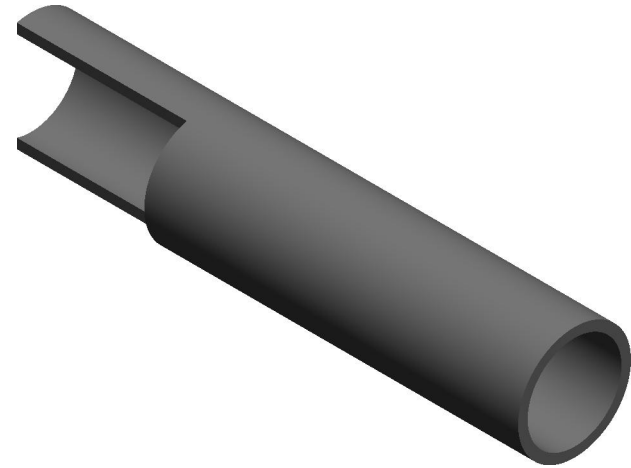
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TOLERANCES ARE:
XXX +/- 0.1
X.XXX +/- 0.01
X.XXXX +/- 0.001
ANG +/- 1

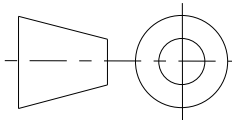

DO NOT SCALE



2X Ø .196
Thru One Wall

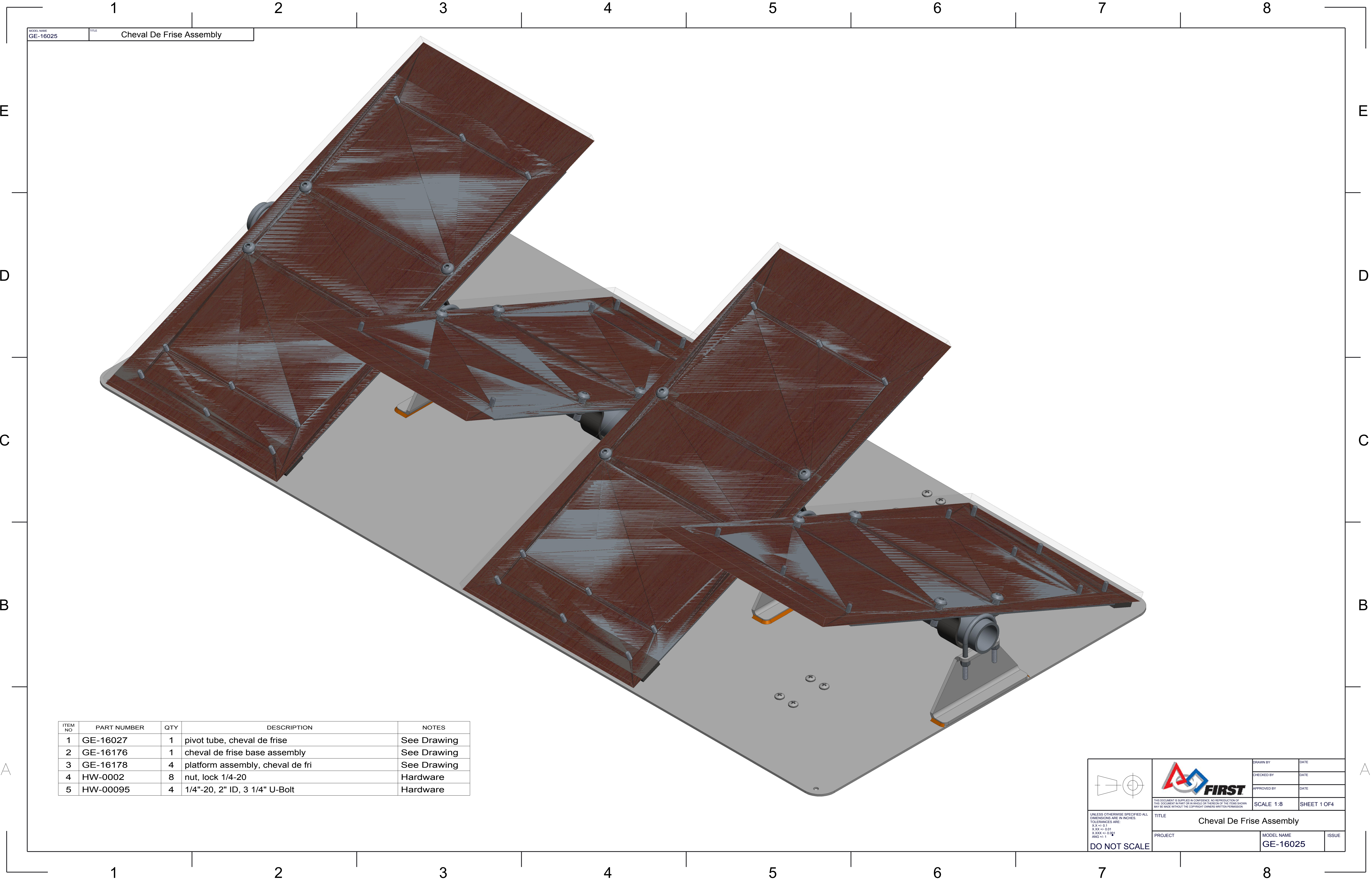
- Notes:
1. Material: 1-1/4" Schedule 40 Pipe, 6061 Aluminum
 2. Remove all burrs and sharp edges.




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TITLE <div>DIVIDER PIPE, END</div>			
PROJECT		MODEL NAME GE-16024	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16027	1	pivot tube, cheval de frise	See Drawing
2	GE-16176	1	cheval de frise base assembly	See Drawing
3	GE-16178	4	platform assembly, cheval de fri	See Drawing
4	HW-0002	8	nut, lock 1/4-20	Hardware
5	HW-00095	4	1/4"-20, 2" ID, 3 1/4" U-Bolt	Hardware



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CHECKED BY	DATE
APPROVED BY	DATE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
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X.XXX +/- 0.001
ANG +/- 1

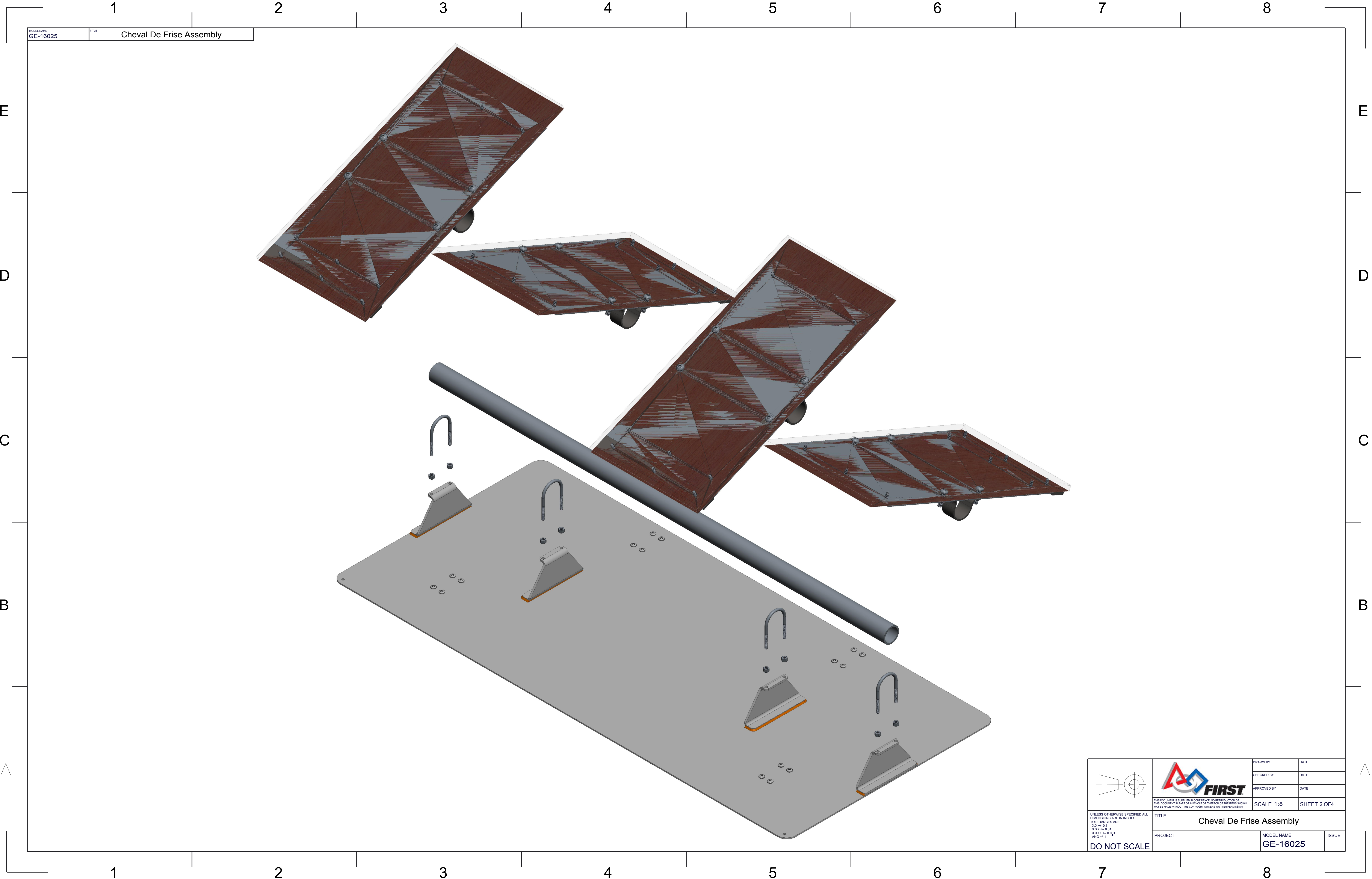
DO NOT SCALE

TITLE
Cheval De Frise Assembly



PROJECT	MODEL NAME GE-16025	ISSUE
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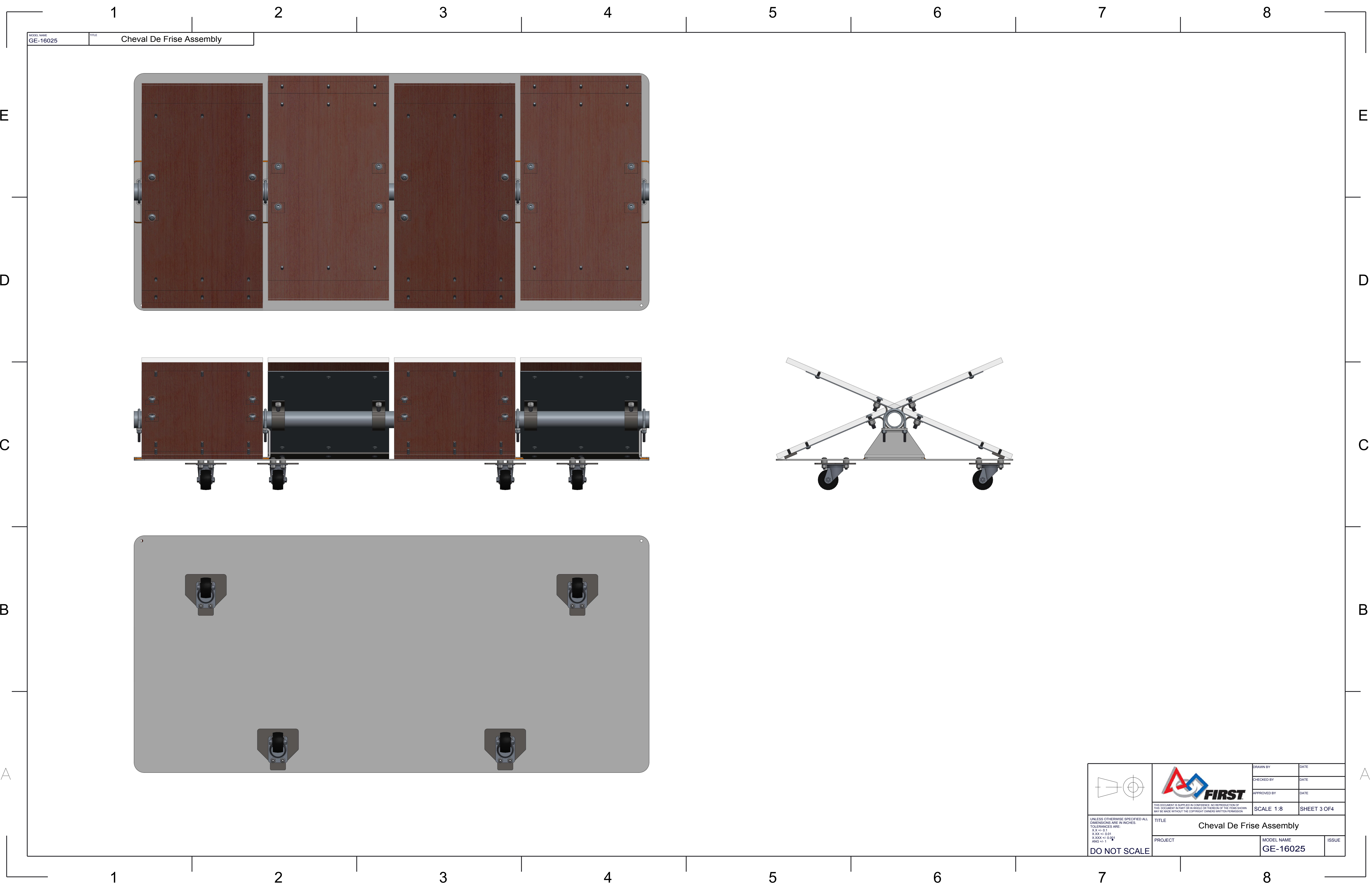
SCALE 1:8

SHEET 1 OF 4





MODEL NAME	TITLE
GE-16025	Cheval De Frise Assembly

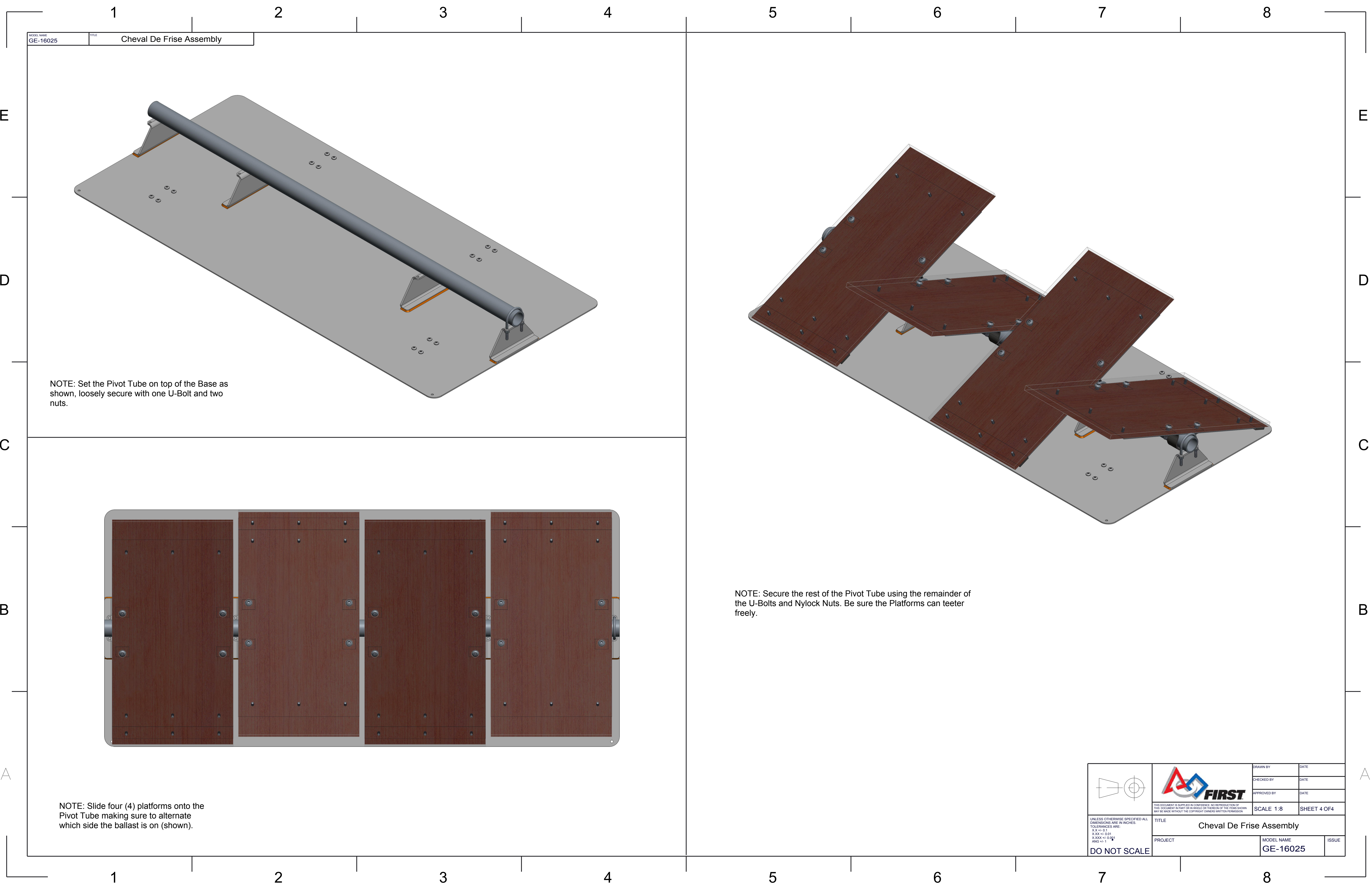
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		APPROVED BY	DATE	
		SCALE 1:8		SHEET 2 OF 4
TITLE Cheval De Frise Assembly				
PROJECT		MODEL NAME		ISSUE
		GE-16025		

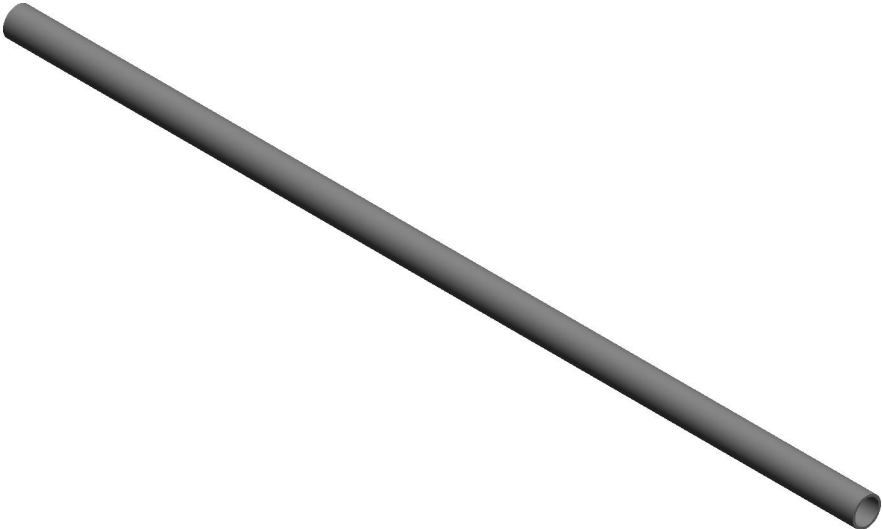


MODEL NAME
GE-16025

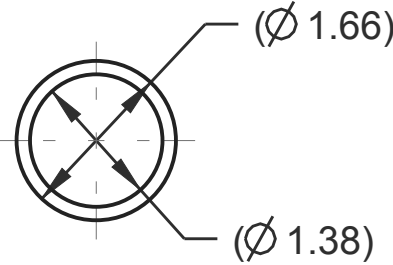
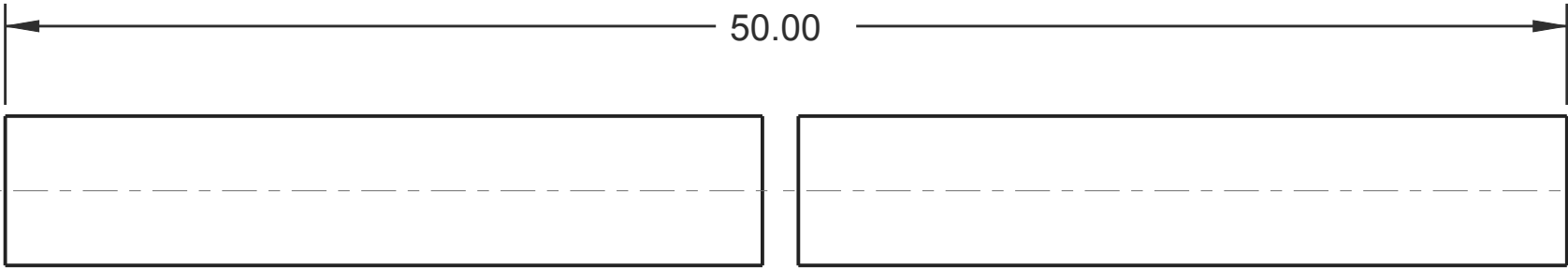
TITLE
Cheval De Frise Assembly

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		APPROVED BY	DATE
		SCALE 1:8	SHEET 3 OF 4
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: XX +/- 0.1 X.XXX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1	TITLE Cheval De Frise Assembly		
DO NOT SCALE	PROJECT	MODEL NAME GE-16025	ISSUE




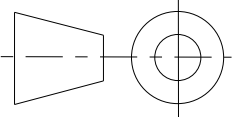


SCALE 1:8



NOTES:
1. MATERIAL: 1-1/4" SCHEDULE 40 PIPE, 6061-T6 ALUMINUM
2. REMOVE ALL BURRS AND SHARP EDGES

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	APPROVED BY	DATE
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TITLE PIVOT TUBE		
PROJECT		MODEL NAME GE-16027
ISSUE		

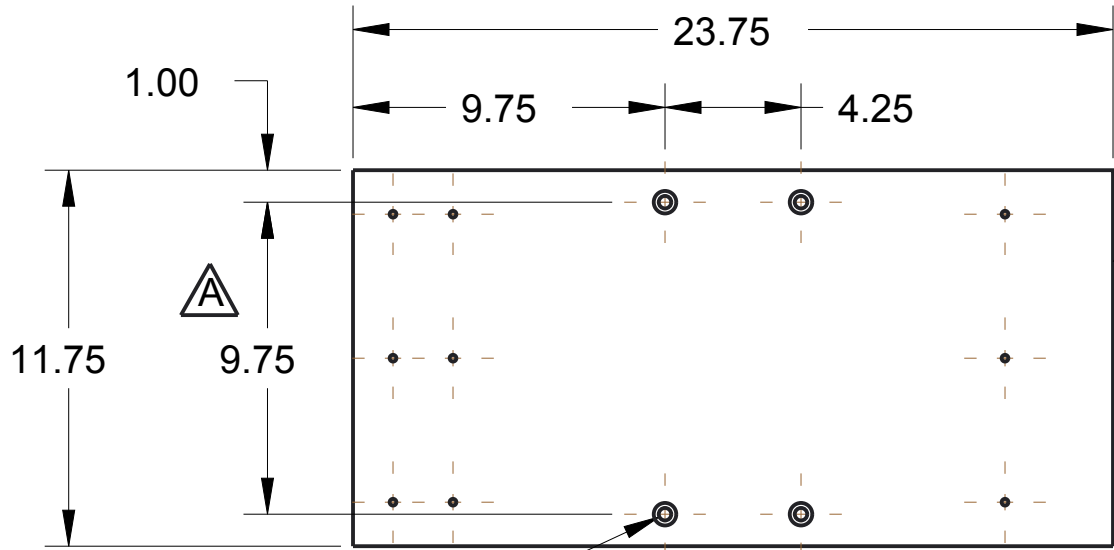
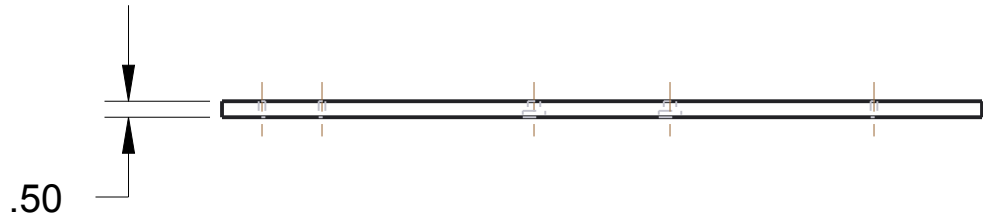
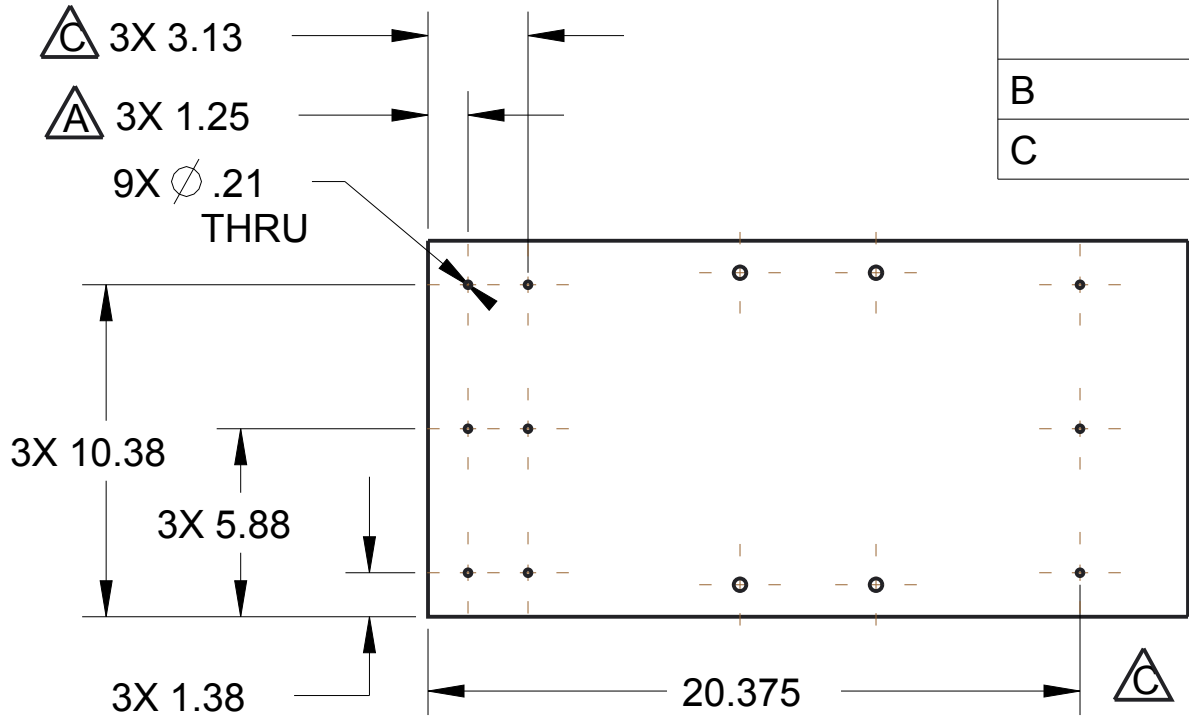


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TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
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ANG +/- 1°

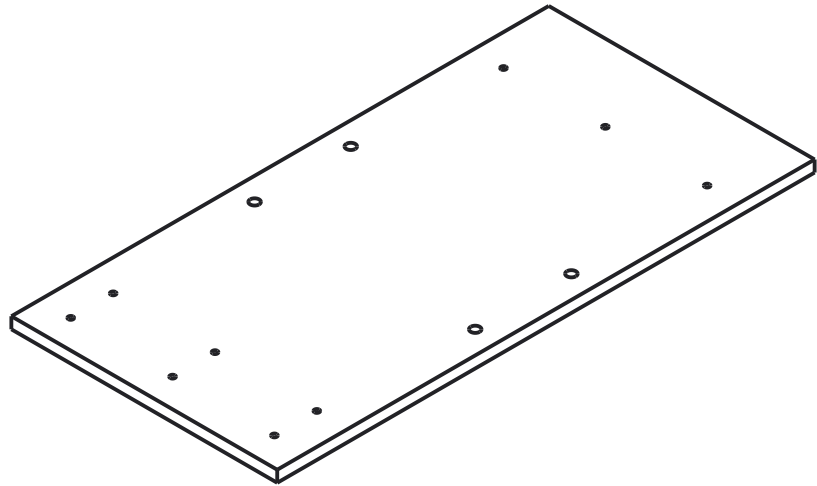
DO NOT SCALE

MODEL NAME GE-16028	TITLE Platform, Cheval de Frise
------------------------	------------------------------------

REV	ZONE	DESCRIPTION	INITIAL	DATE
A	A-1, D-1	9.75 WAS 10.00, REMOVED 3 POCKETS, ADDED .21 HOLES (QTY3)	DAF	12/16/15
B	A-1	Changed C'sink to C'bore	DAF	2/26/16
C	C-2, D-1	ADDED MOUNTING HOLES, .21 (QTY 6)	NJS	4/4/2016



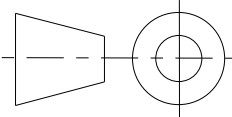

Feature control symbol B: $\varnothing .391$ THRU, $\varnothing .704 \nabla .200$, 4 PLACES



Print to be seen from this side

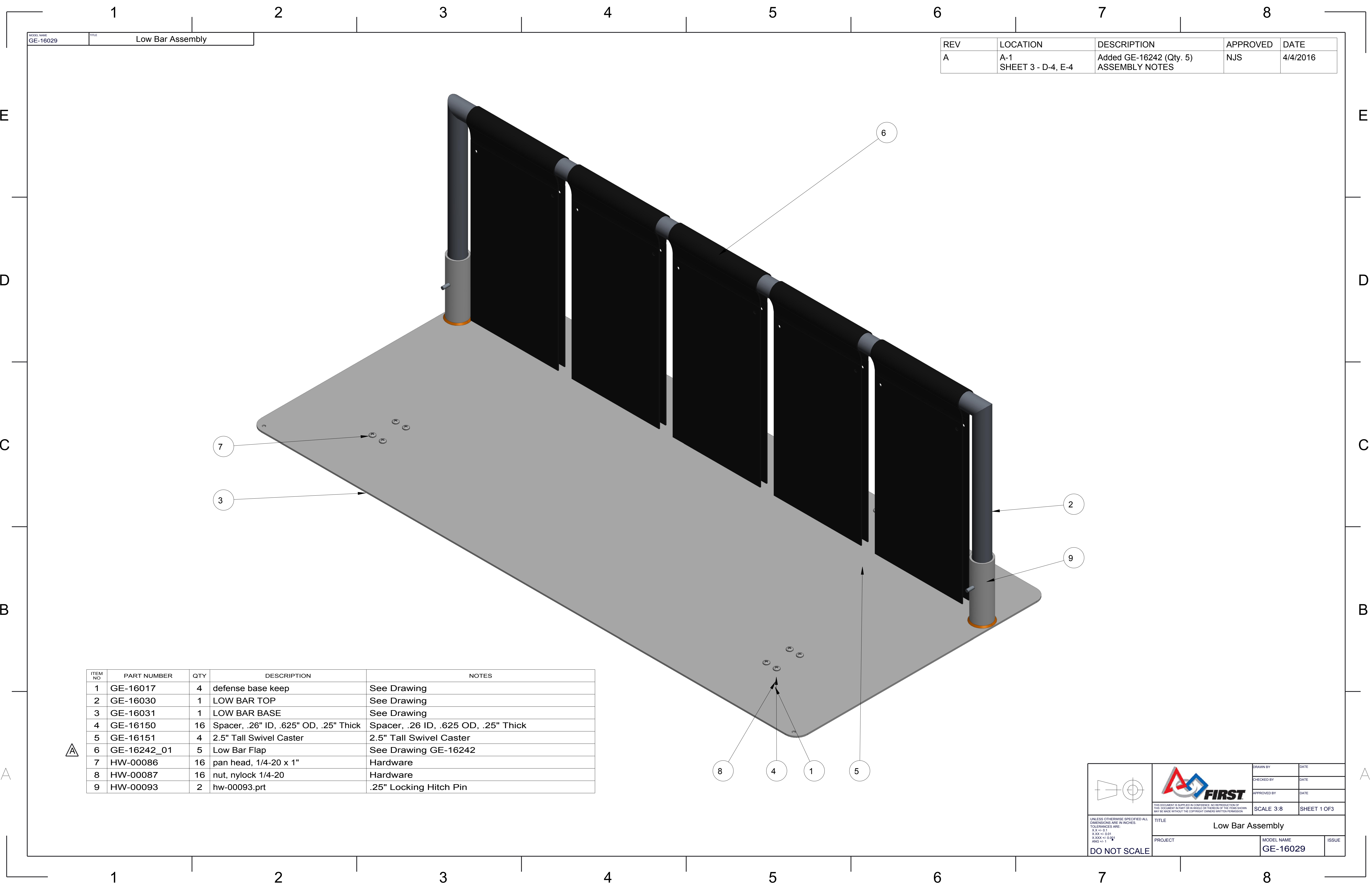
NOTE

Material: Clear Polycarb, .5" Thick
Scale: 1:6
Finish: Print to look like wood

		DRAWN BY	DATE
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°			
TITLE Platform, Cheval de Frise			
PROJECT		MODEL NAME GE-16028	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

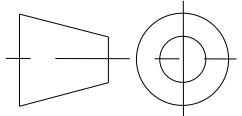


MODEL NAME	TITLE
GE-16029	Low Bar Assembly

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	A-1 SHEET 3 - D-4, E-4	Added GE-16242 (Qty. 5) ASSEMBLY NOTES	NJS	4/4/2016


ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16017	4	defense base keep	See Drawing
2	GE-16030	1	LOW BAR TOP	See Drawing
3	GE-16031	1	LOW BAR BASE	See Drawing
4	GE-16150	16	Spacer, .26" ID, .625" OD, .25" Thick	Spacer, .26" ID, .625" OD, .25" Thick
5	GE-16151	4	2.5" Tall Swivel Caster	2.5" Tall Swivel Caster
6	GE-16242_01	5	Low Bar Flap	See Drawing GE-16242
7	HW-00086	16	pan head, 1/4-20 x 1"	Hardware
8	HW-00087	16	nut, nylock 1/4-20	Hardware
9	HW-00093	2	hw-00093.prt	.25" Locking Hitch Pin

A



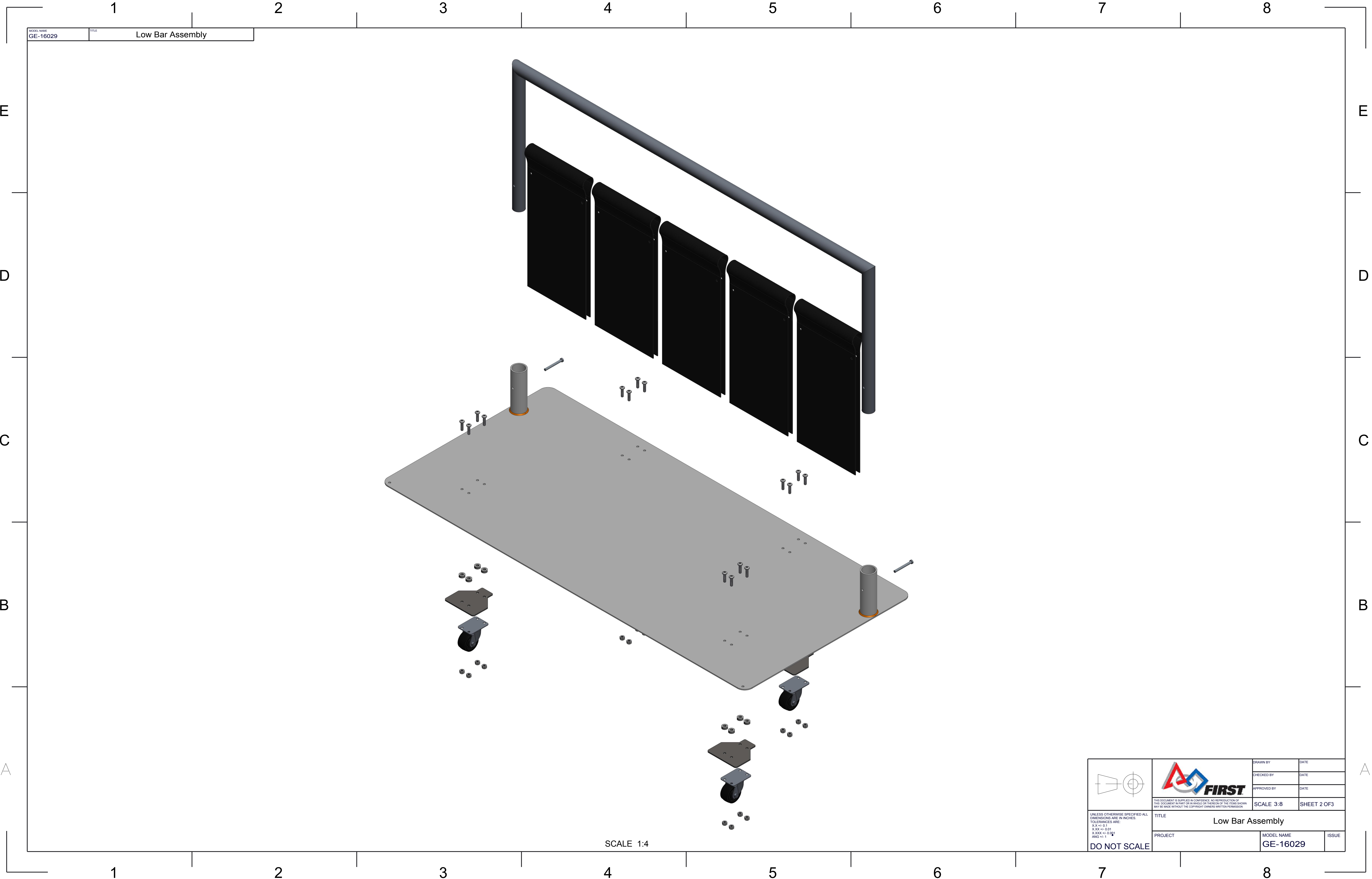
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.XX +/- 0.1
X.XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

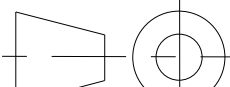



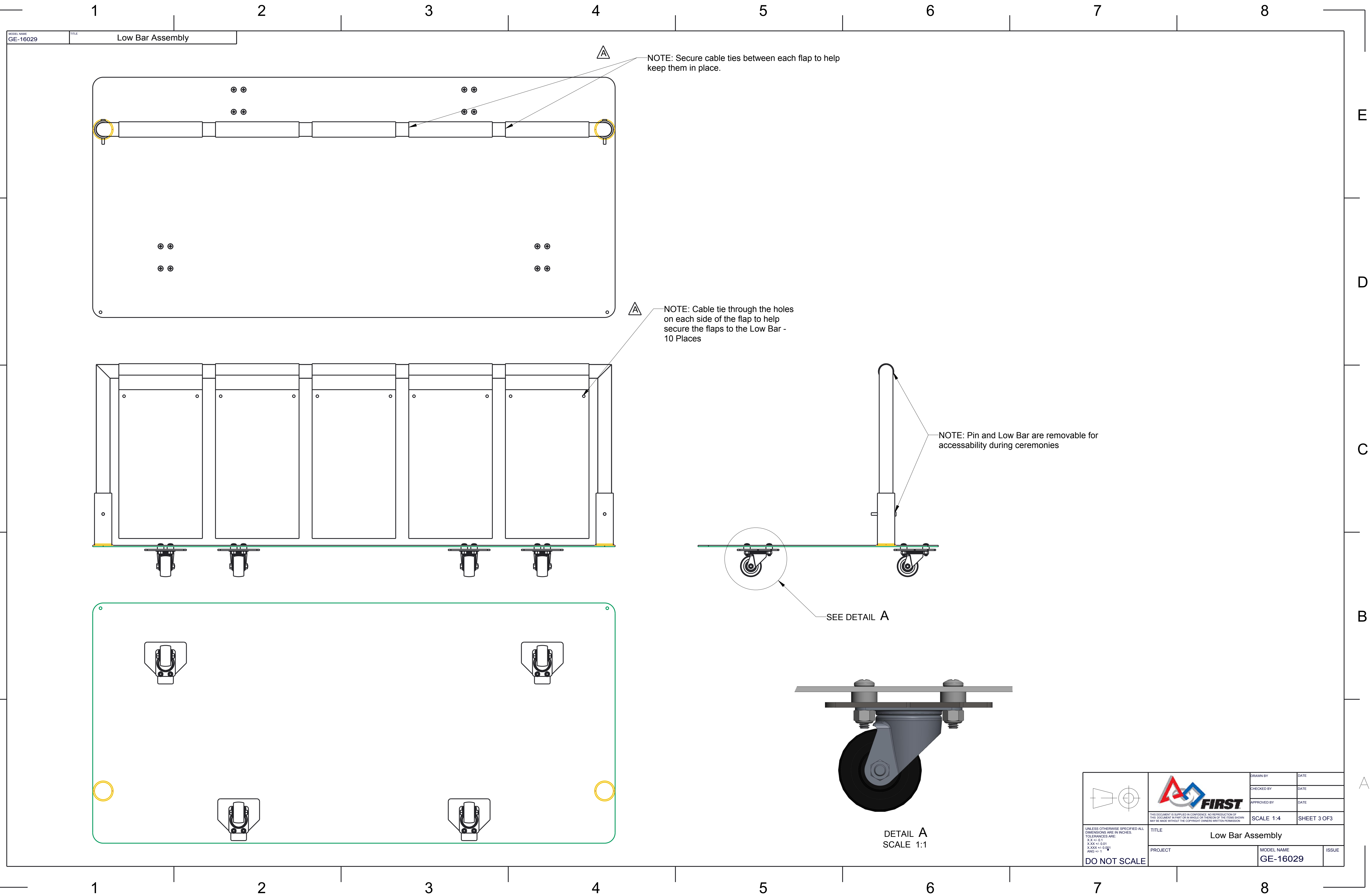
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SCALE 3:8	
SHEET 1 OF 3	
TITLE Low Bar Assembly	
PROJECT	MODEL NAME GE-16029
ISSUE	



SCALE 1:4

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		SCALE 3:8	
TITLE Low Bar Assembly			
PROJECT		MODEL NAME GE-16029	ISSUE



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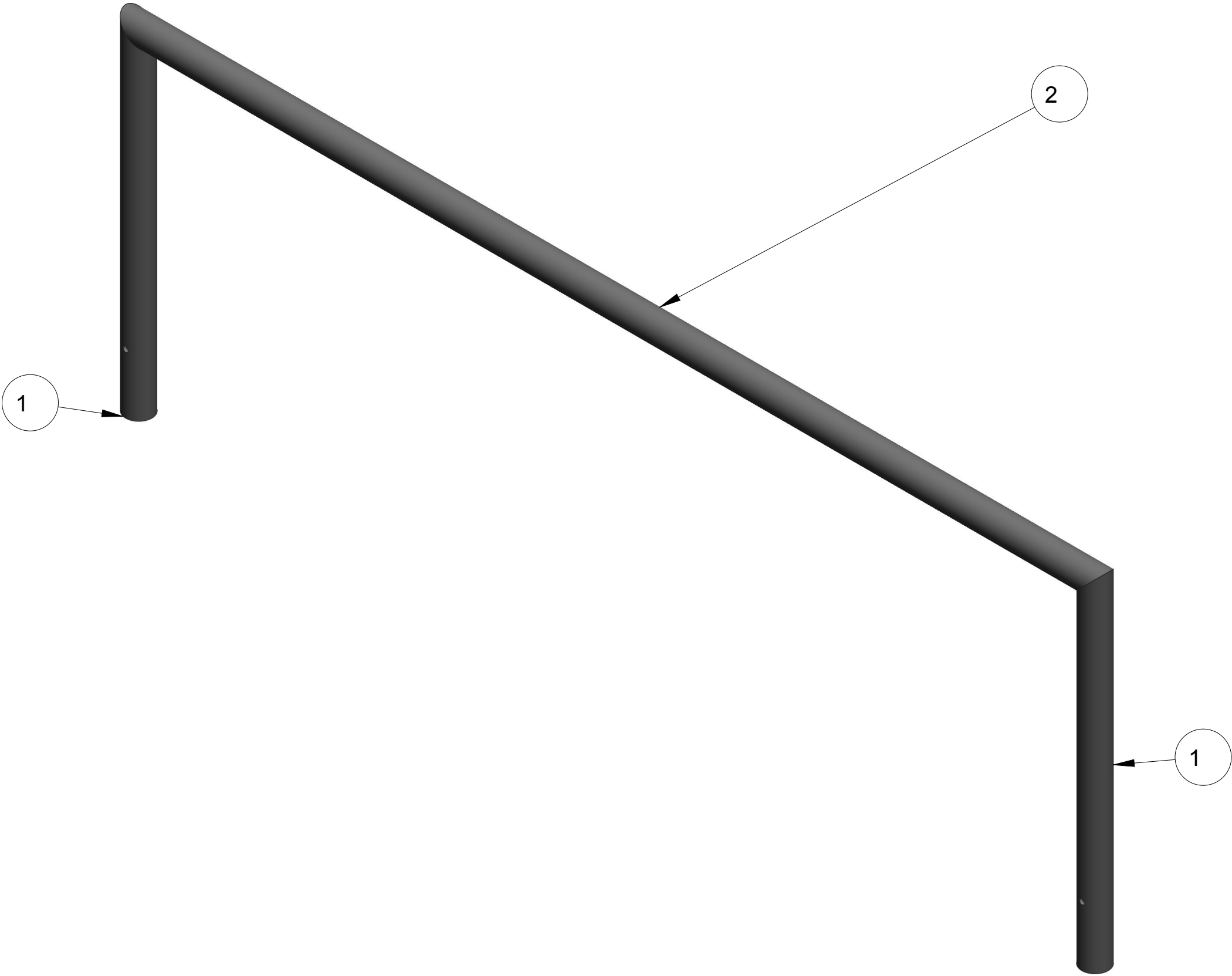
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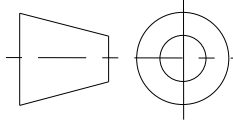

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MODEL NAME	TITLE
GE-16030	Low Bar Top



SCALE 1:4

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16030-01	2	VERTICAL	Aluminum
2	GE-16030-02	1	HORIZONTAL	Aluminum

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TITLE		Low Bar Top	
PROJECT		MODEL NAME	ISSUE
DO NOT SCALE		GE-16030	

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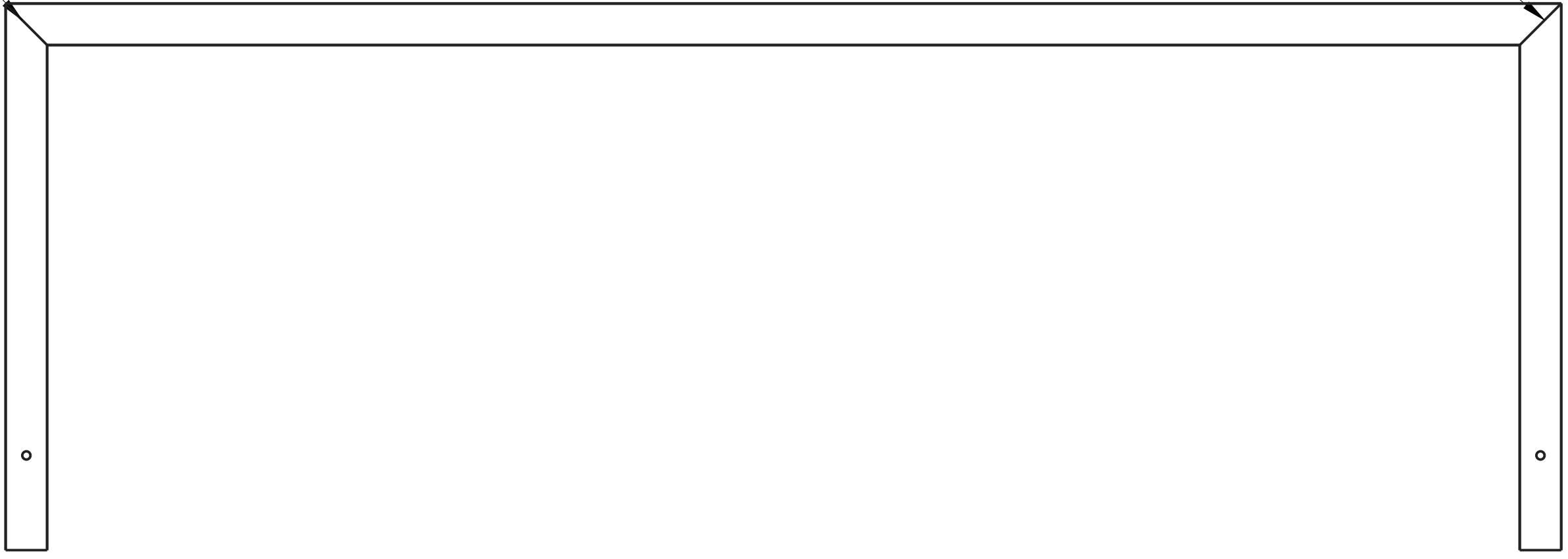
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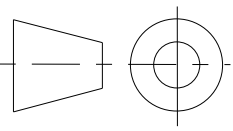
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MODEL NAME GE-16030	TITLE Low Bar Top
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	SCALE 1:4		SHEET 2 OF 3
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	PROJECT		MODEL NAME GE-16030
			ISSUE

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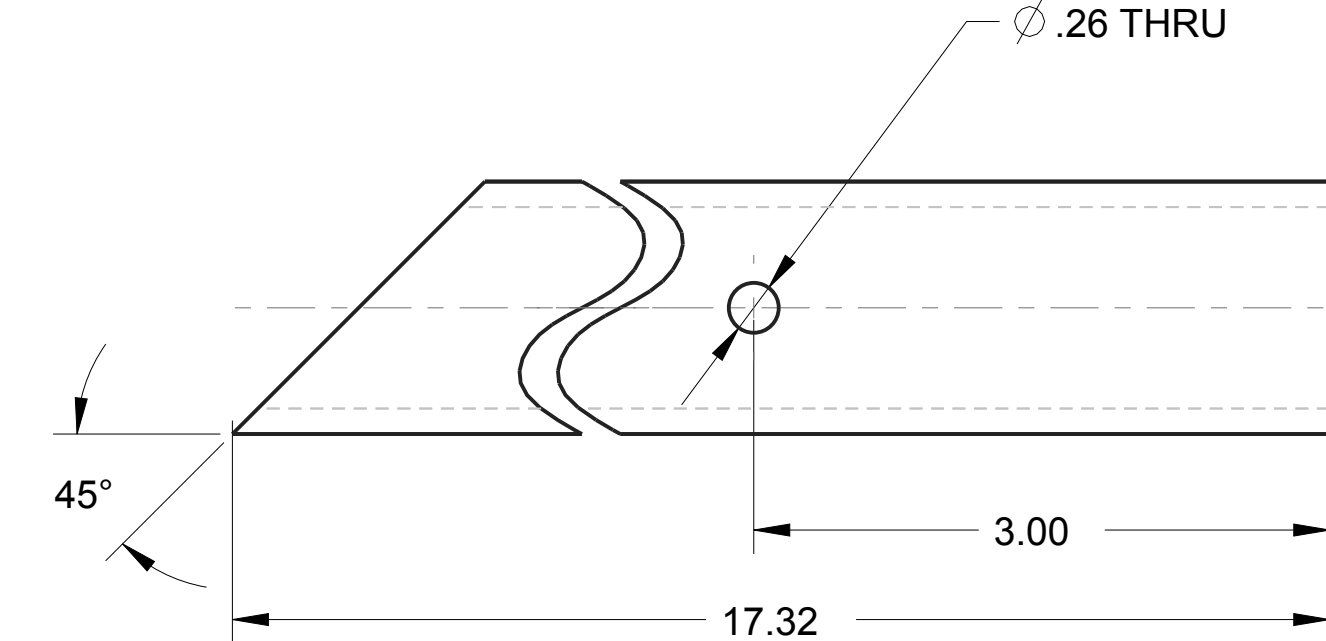
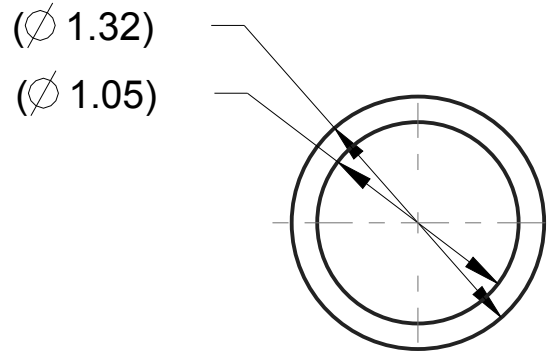
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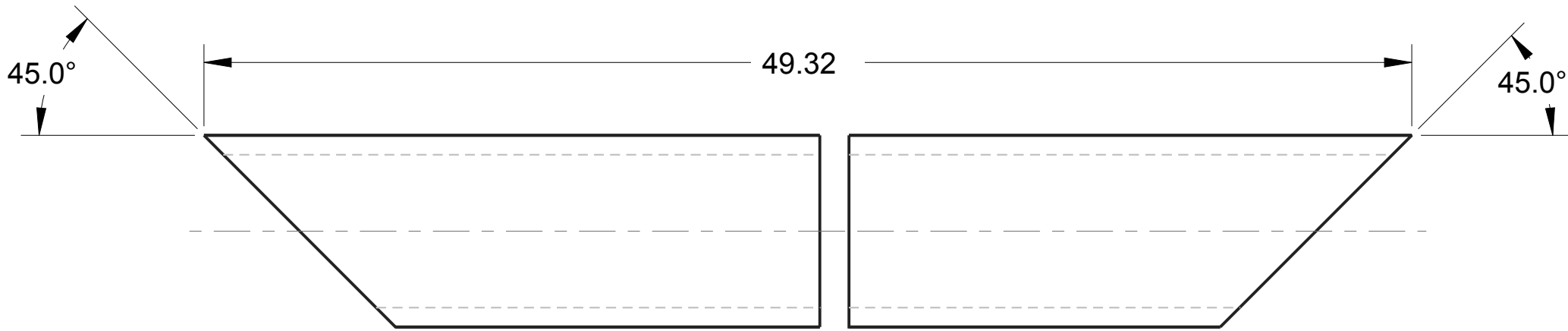
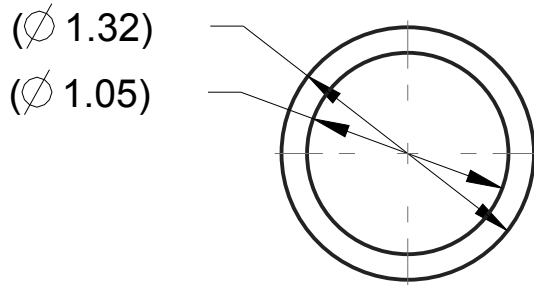
MODEL NAME	TITLE
GE-16030	Low Bar Top



SCALE 1:1



NOTE

Part: GE-16030-01
Material: Aluminum Schedule 40 Pipe, 1"
Qty: 2
Scale: 1:1

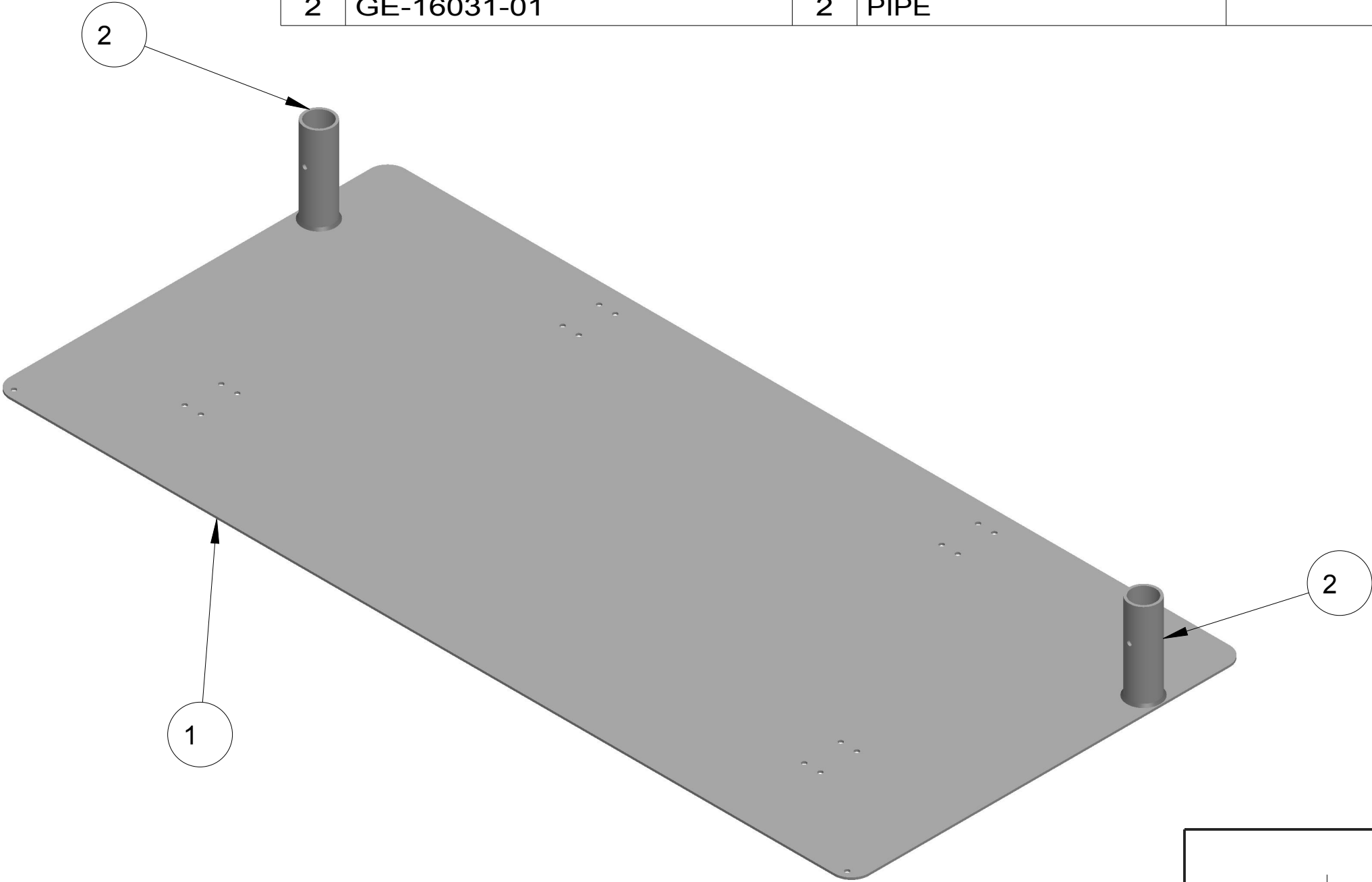


NOTE

Part: GE-16030-02
Material: Aluminum Schedule 40 Pipe, 1"
Qty: 1
Scale: 1:1

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	SCALE 1:4		SHEET 3 OF 3
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	PROJECT		MODEL NAME GE-16030
		ISSUE	

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16016	1	Defense Base	
2	GE-16031-01	2	PIPE	



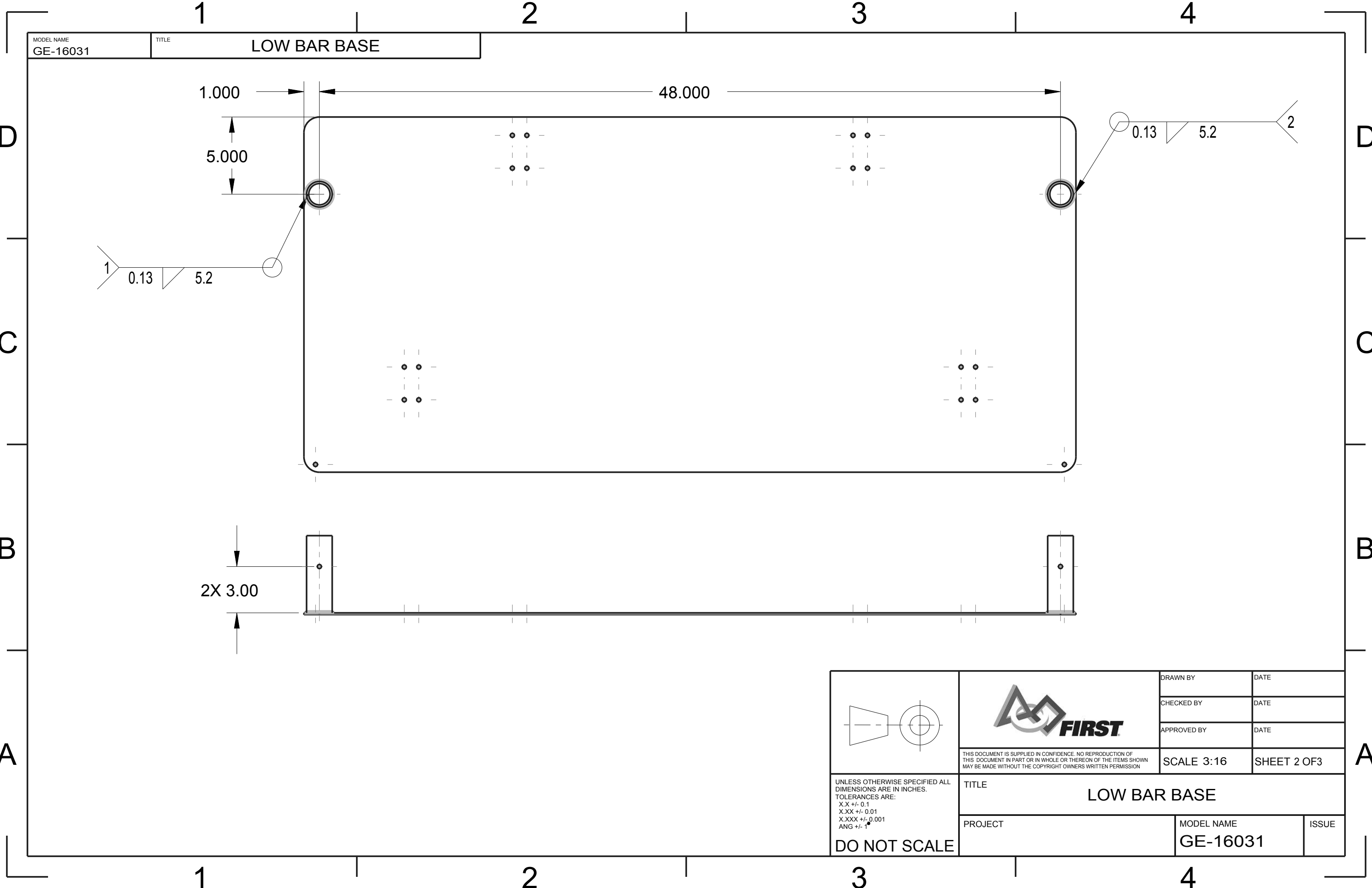
SCALE 3:16


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TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
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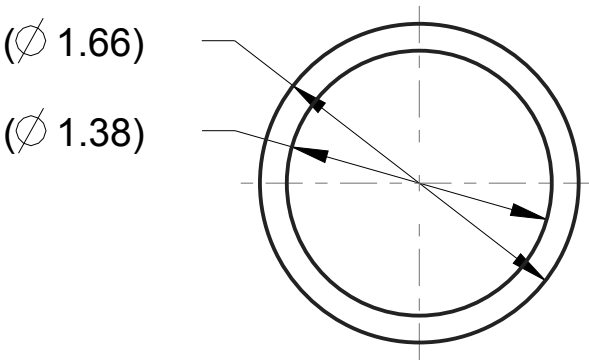
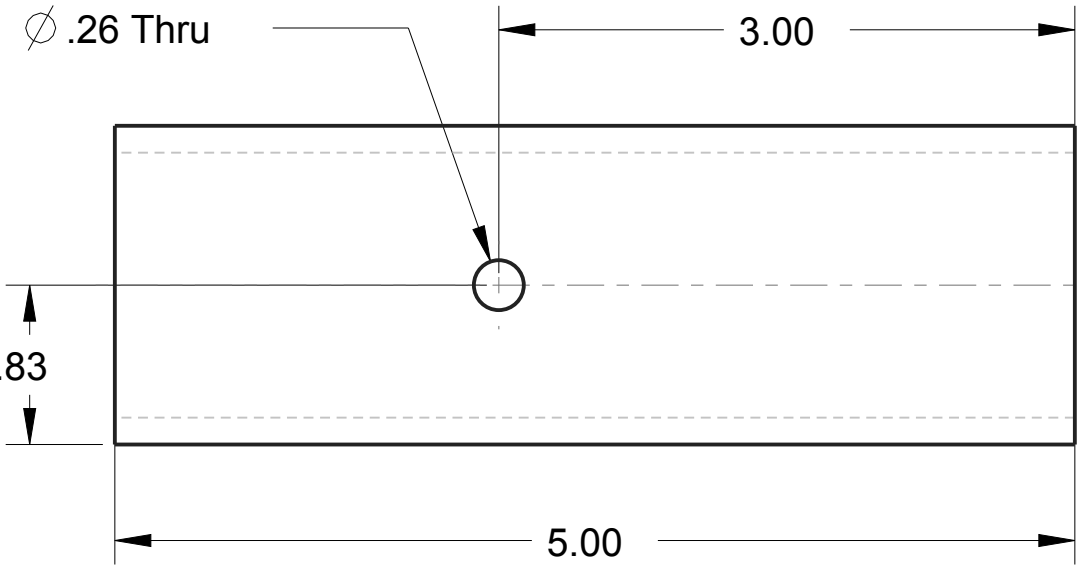
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SCALE 3:16	
SHEET 1 OF 3	

TITLE LOW BAR BASE		
PROJECT	MODEL NAME GE-16031	ISSUE




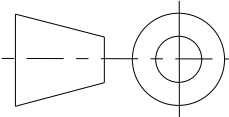
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	TITLE LOW BAR BASE	
	PROJECT	MODEL NAME GE-16031
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	DO NOT SCALE	



NOTE

Part: GE-16031-01
Material: 1.25" Schedule 40 Steel Pipe
Qty: 2
Scale: 1:1

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TITLE LOW BAR BASE			
PROJECT		MODEL NAME GE-16031	ISSUE



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
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DO NOT SCALE

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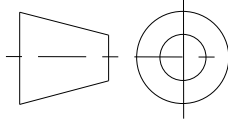
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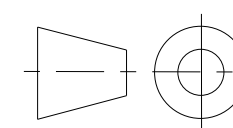
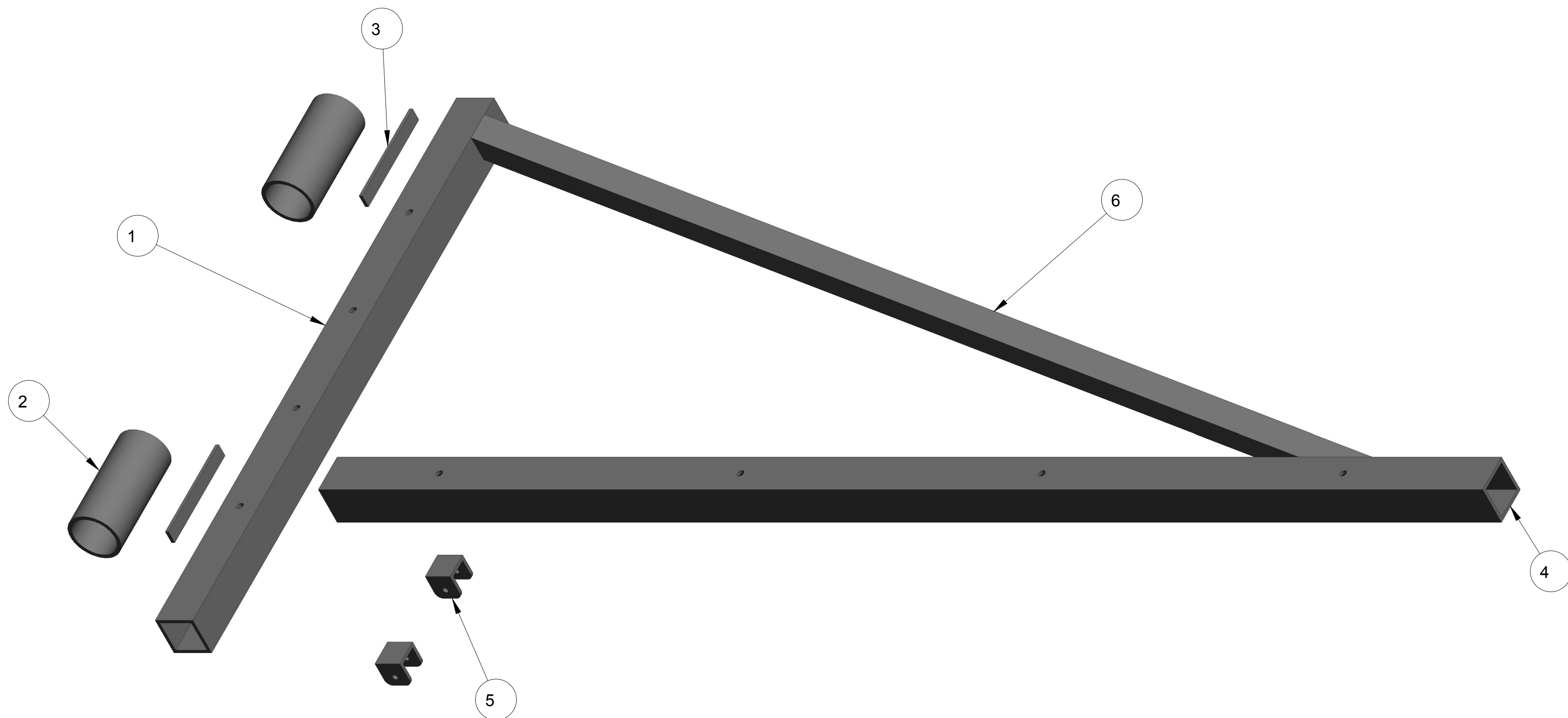
MODEL NAME	TITLE
GE-16034	Door



SCALE 3:8

ITEM NO	PART NUMBER	QTY	DESCRIPTION
1	GE-16034-01	1	VERTICAL
2	GE-16034-02	2	HINGE
3	GE-16034-03	2	HINGE SPACER
4	GE-16034-04	1	HORIZONTAL
5	GE-16034-05	2	MOUNTING BRACKET
6	GE-16034-06	1	BRACE

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	SCALE 3:8	SHEET 1 OF 5
 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: XX +/- 0.1 XXX +/- 0.01 XXXX +/- 0.001 ANG +/- 1</small> DO NOT SCALE	TITLE Door	
	PROJECT	MODEL NAME GE-16034
	ISSUE	



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DIMENSIONS ARE IN INCHES.
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X.XX +/- 0.01
X.XXX +/- 0.001
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DO NOT SCALE



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1	TITLE	Door
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PROJECT

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SCALE 3:8

SHEET 2 OF 5

MODEL NAME	GE-16034
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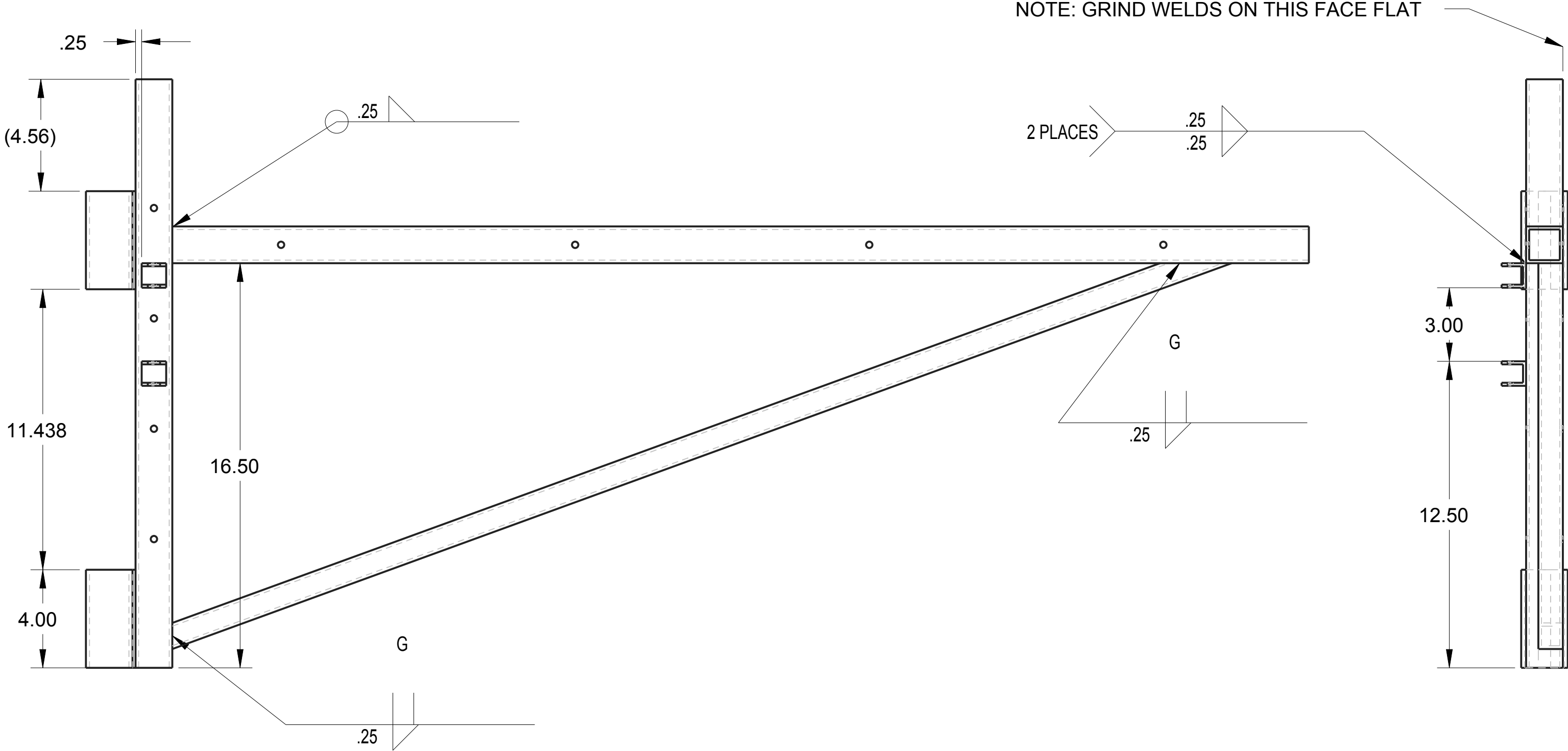
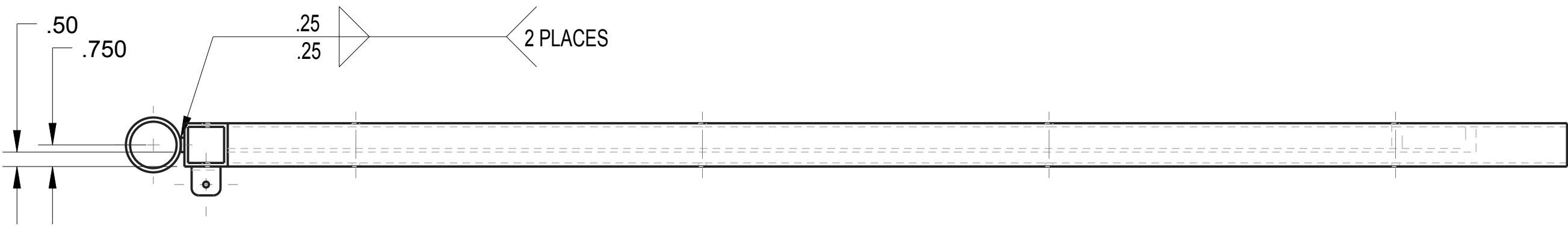
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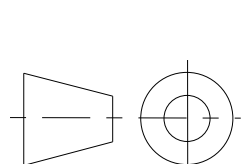

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MODEL NAME	TITLE
GE-16034	Doo



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			SCALE 3:8	SHEET 3 OF 5
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1	TITLE Door			
	PROJECT	MODEL NAME GE-16034	ISSUE	
	DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
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DO NOT SCALE

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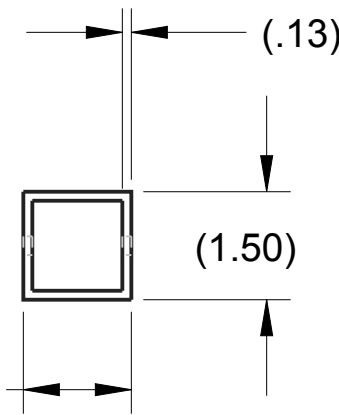
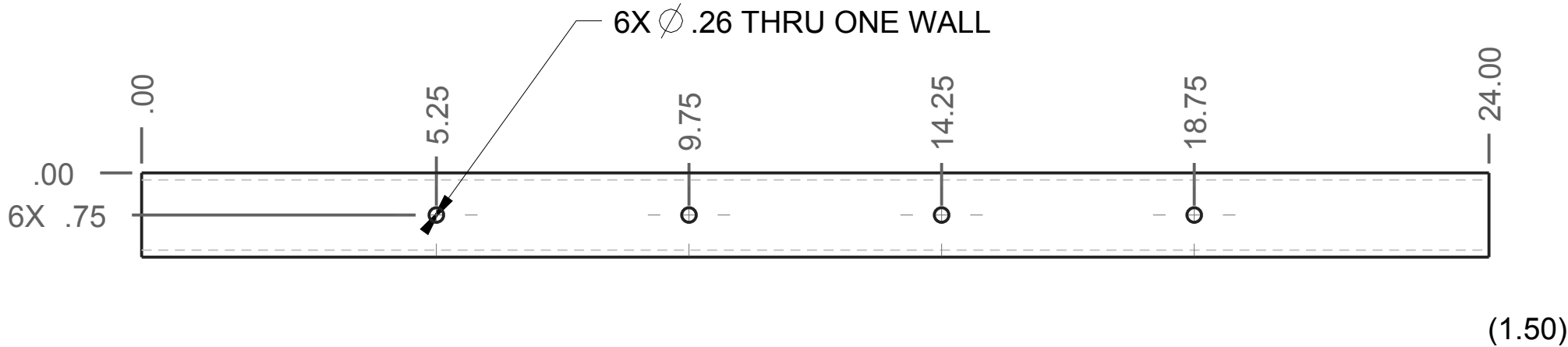
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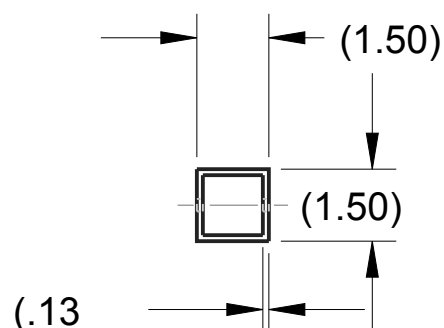
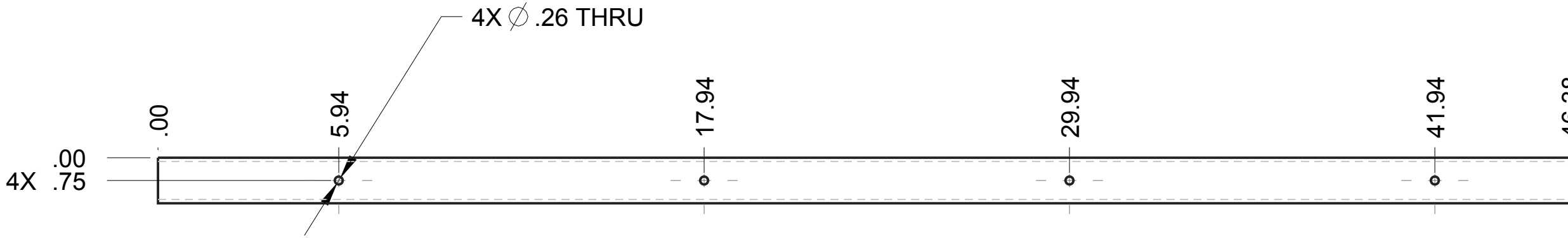
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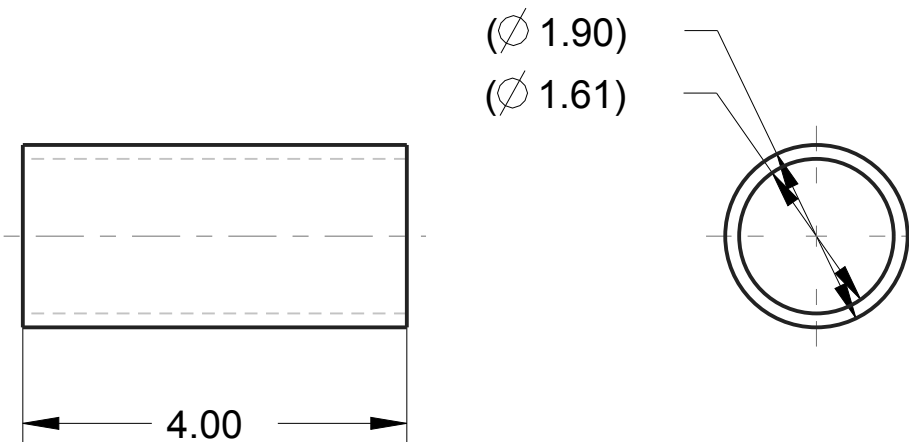
MODEL NAME	TITLE
GE-16034	Doo



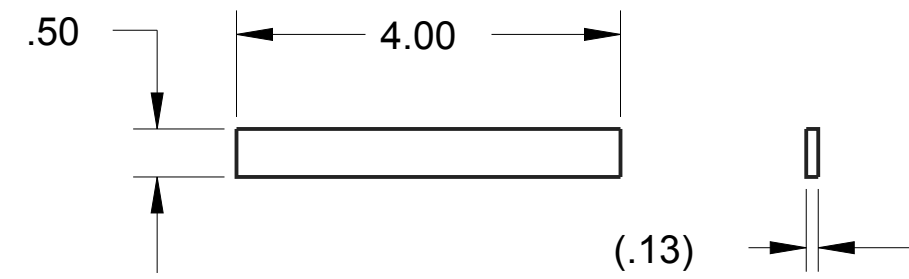
NOTE
Part: GE-16034-01
Material: 1.5" Aluminum Square Tubing
Qty: 1
Scale: 3:8



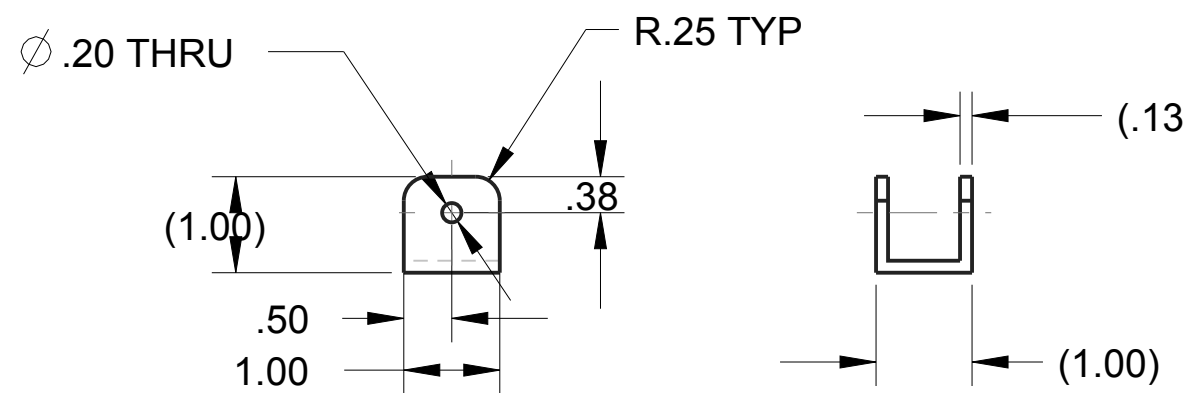
NOTE
Part: GE-16034-04
Material: 1.5" Aluminum Square Tubing
Qty: 1
Scale: 1:4




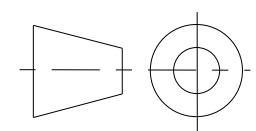
NOTE
Part: GE-16034-02
Material: 1.5" Aluminum Schedule 40 Pipe
Qty: 2
Scale: 1:2



NOTE
Part: GE-16034-03
Material: 5052 Aluminum, .125" Thick
Qty: 2
Scale: 1:2



NOTE
Part: GE-16034-05
Material: 1.5" Aluminum Channel, .125" Wall
Qty: 2
Scale: 1:2

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	SCALE 3:8		SHEET 4 OF 5
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	PROJECT		MODEL NAME GE-16034
			ISSUE

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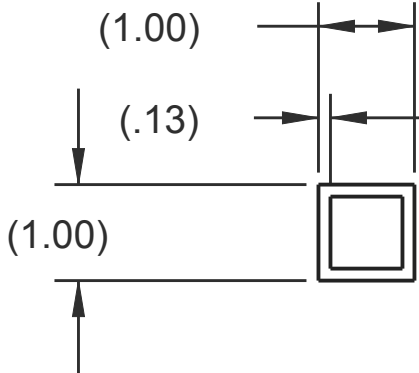
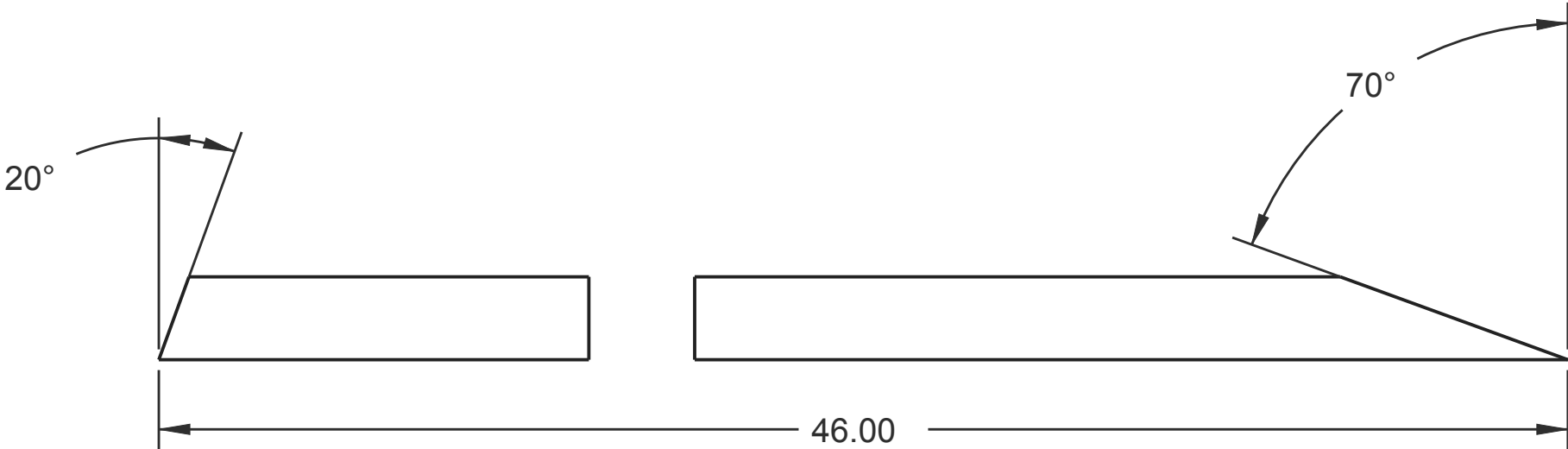
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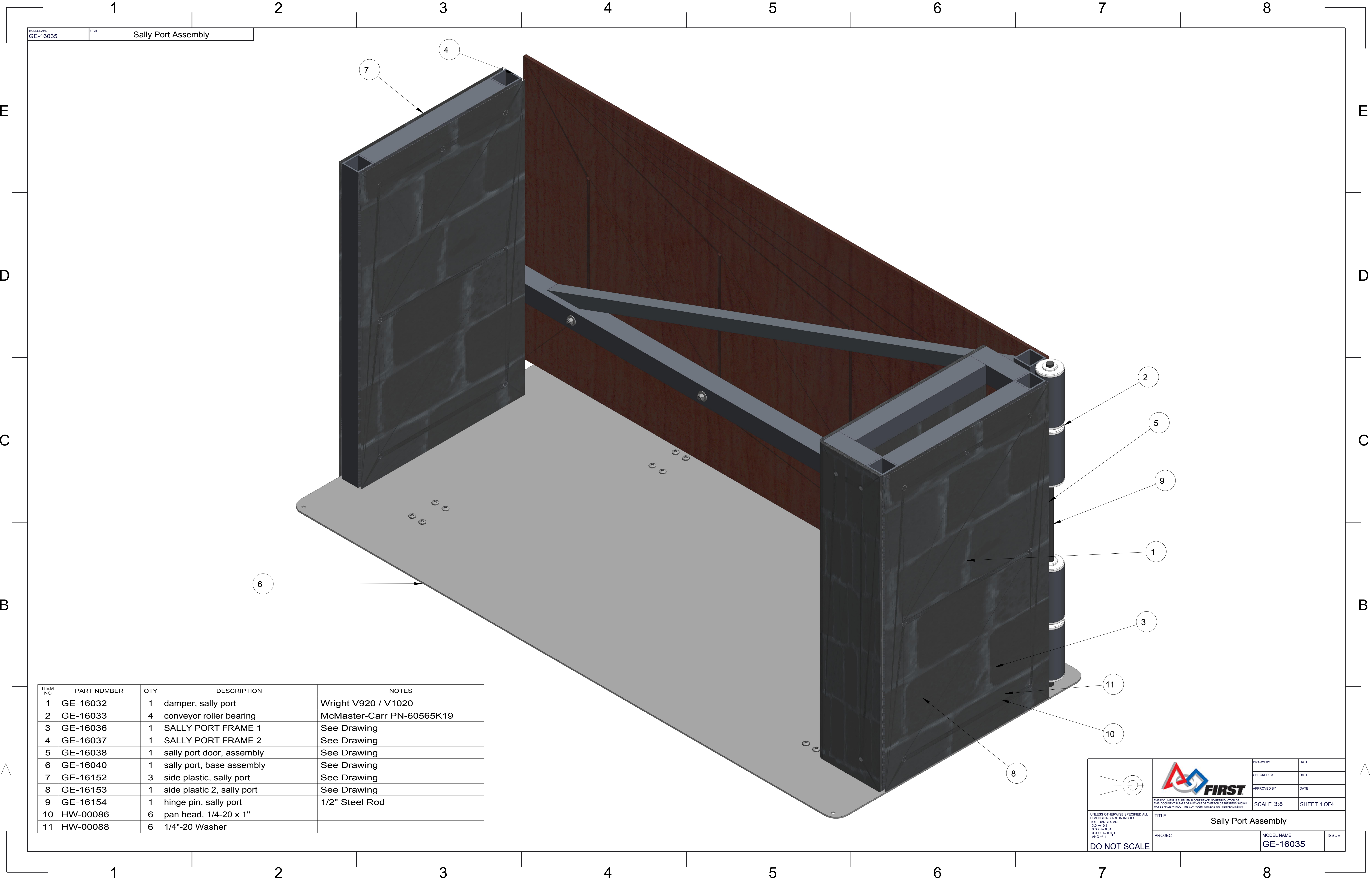
MODEL NAME	TITLE
GE-16034	Door




NOTE

Part: GE-16034-06
Material: 1" Aluminum Channel, .125" Wall
Qty: 2
Scale: 1:2

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	SCALE 3:8		SHEET 5 OF 5
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	PROJECT		MODEL NAME GE-16034
DO NOT SCALE			ISSUE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16032	1	damper, sally port	Wright V920 / V1020
2	GE-16033	4	conveyor roller bearing	McMaster-Carr PN-60565K19
3	GE-16036	1	SALLY PORT FRAME 1	See Drawing
4	GE-16037	1	SALLY PORT FRAME 2	See Drawing
5	GE-16038	1	sally port door, assembly	See Drawing
6	GE-16040	1	sally port, base assembly	See Drawing
7	GE-16152	3	side plastic, sally port	See Drawing
8	GE-16153	1	side plastic 2, sally port	See Drawing
9	GE-16154	1	hinge pin, sally port	1/2" Steel Rod
10	HW-00086	6	pan head, 1/4-20 x 1"	
11	HW-00088	6	1/4"-20 Washer	



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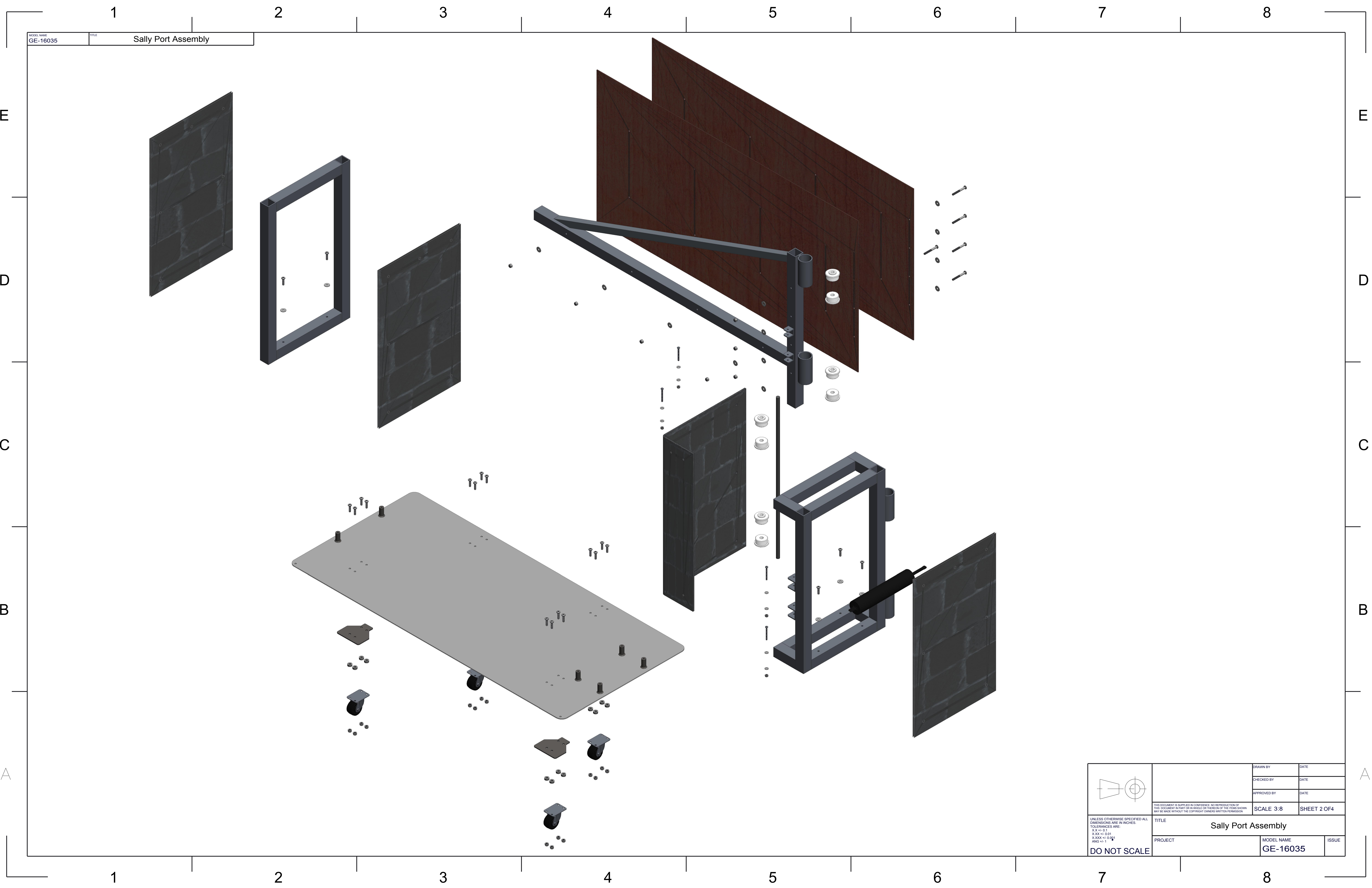
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TITLE		Sally Port Assembly	
PROJECT		MODEL NAME	GE-16035
ISSUE			

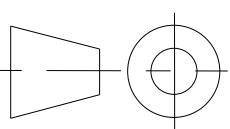
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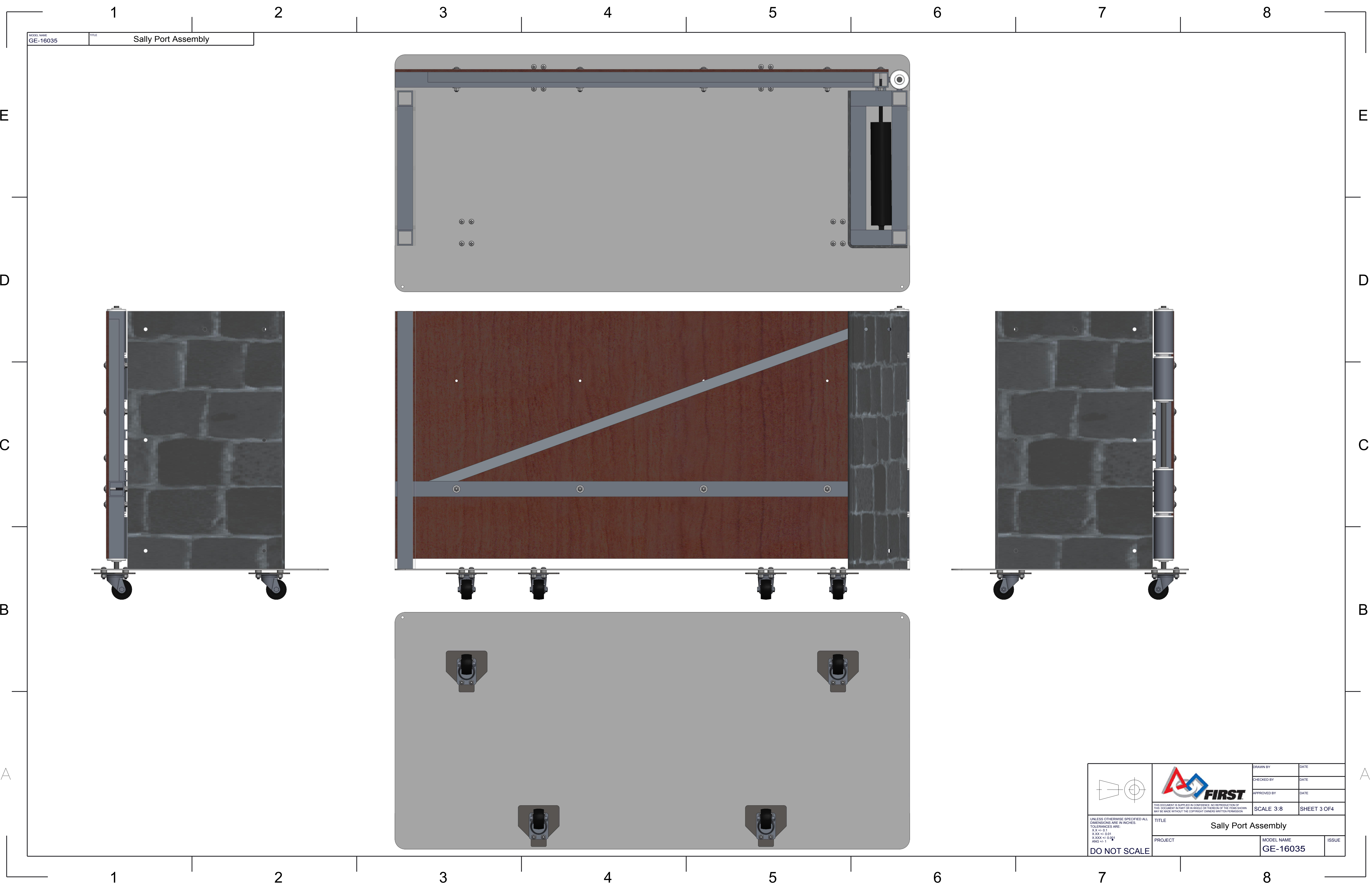
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SHEET 1 OF 4



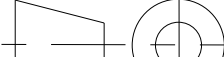

MODEL NAME	TITLE
GE-16035	Sally Port Assembly

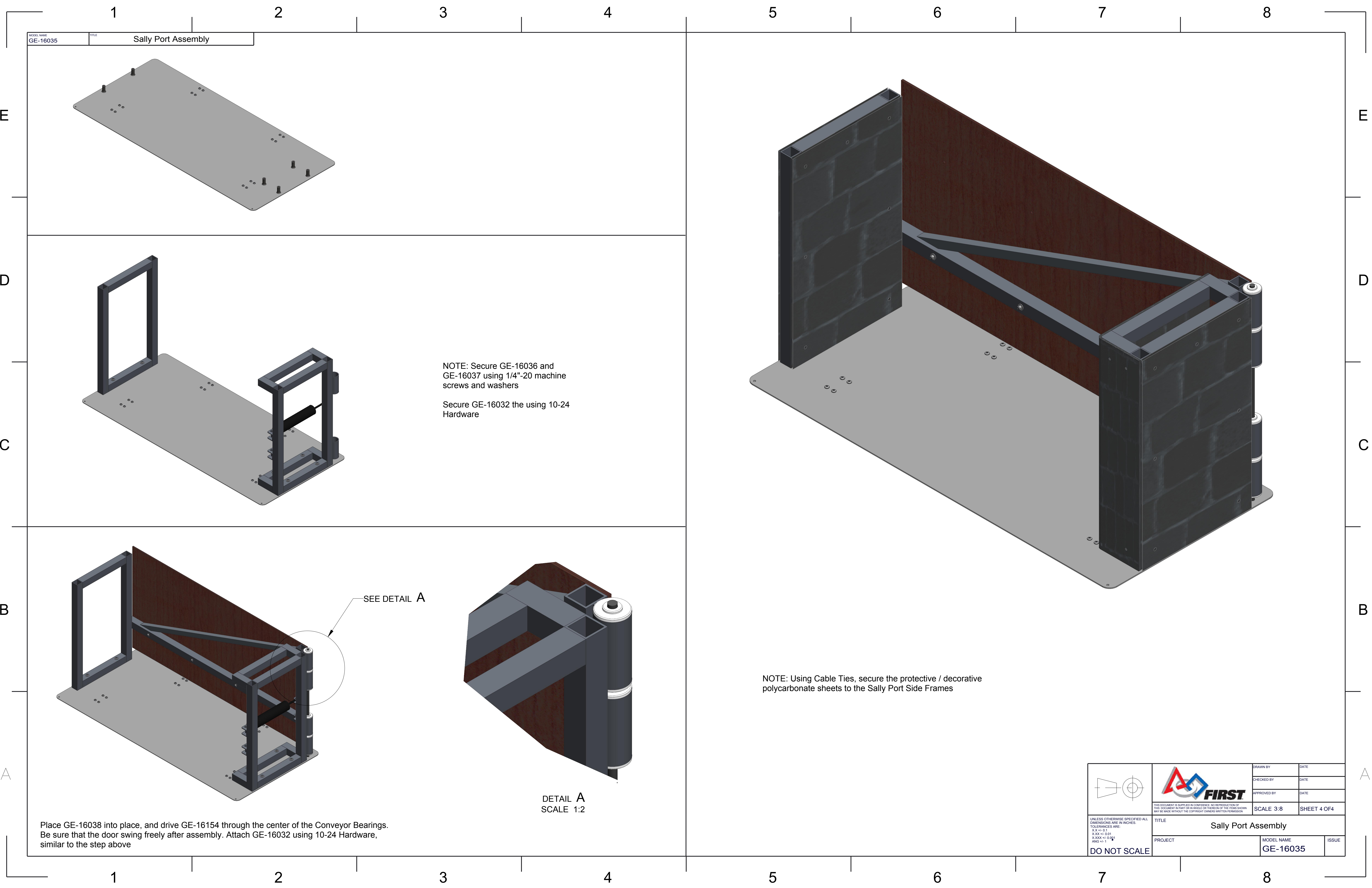
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TITLE				
Sally Port Assembly				
PROJECT			MODEL NAME	ISSUE
			GE-16035	



MODEL NAME
GE-16035

TITLE
Sally Port Assembly

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		APPROVED BY	DATE		
		SCALE 3:8		SHEET 3 OF 4	
TITLE Sally Port Assembly					
PROJECT			MODEL NAME	ISSUE	
			GE-16035		



MODEL NAME
GE-16035

TITLE
Sally Port Assembly



NOTE: Secure GE-16036 and
GE-16037 using 1/4"-20 machine
screws and washers

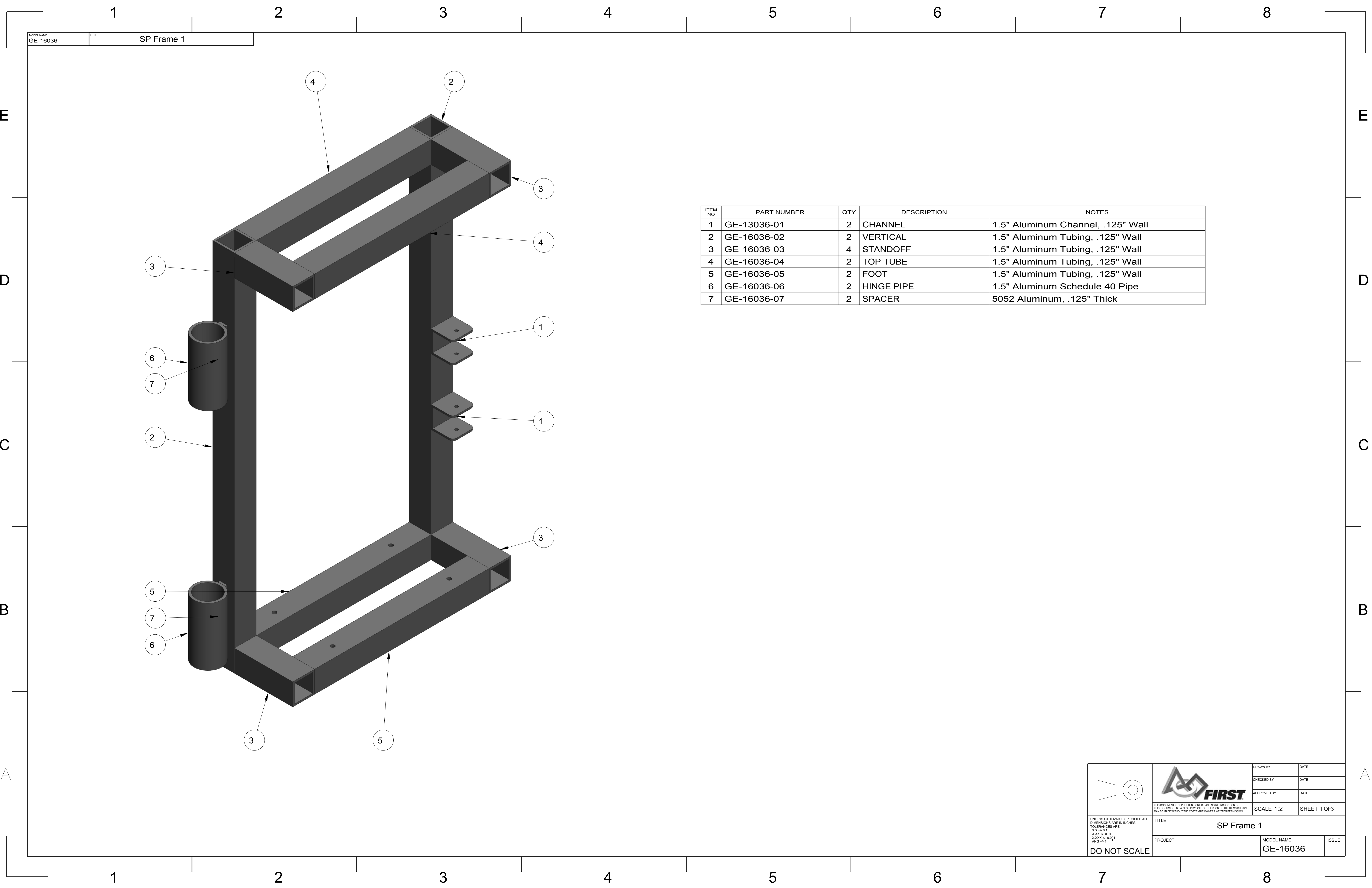
Secure GE-16032 the using 10-24
Hardware

NOTE: Using Cable Ties, secure the protective / decorative
polycarbonate sheets to the Sally Port Side Frames

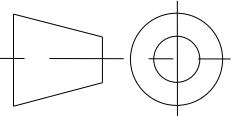
Place GE-16038 into place, and drive GE-16154 through the center of the Conveyor Bearings.
Be sure that the door swing freely after assembly. Attach GE-16032 using 10-24 Hardware,
similar to the step above


DETAIL A
SCALE 1:2

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		SCALE 3:8	SHEET 4 OF 4
TITLE Sally Port Assembly			
PROJECT		MODEL NAME GE-16035	ISSUE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-13036-01	2	CHANNEL	1.5" Aluminum Channel, .125" Wall
2	GE-16036-02	2	VERTICAL	1.5" Aluminum Tubing, .125" Wall
3	GE-16036-03	4	STANDOFF	1.5" Aluminum Tubing, .125" Wall
4	GE-16036-04	2	TOP TUBE	1.5" Aluminum Tubing, .125" Wall
5	GE-16036-05	2	FOOT	1.5" Aluminum Tubing, .125" Wall
6	GE-16036-06	2	HINGE PIPE	1.5" Aluminum Schedule 40 Pipe
7	GE-16036-07	2	SPACER	5052 Aluminum, .125" Thick





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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
XXX +/- 0.1
XX.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

TITLE

SP Frame 1

PROJECT

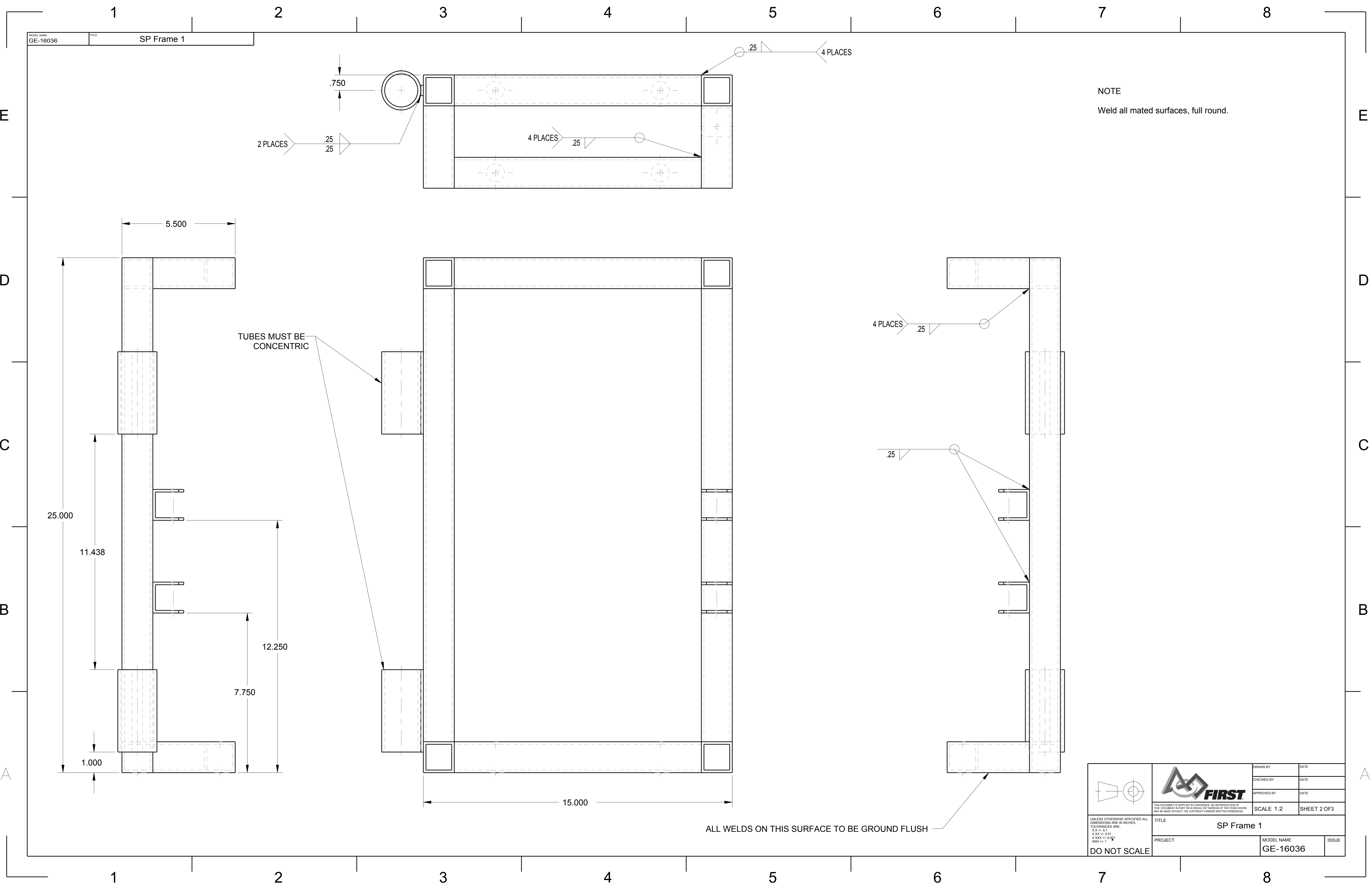
MODEL NAME

GE-16036

ISSUE

SCALE 1:2

SHEET 1 OF 3

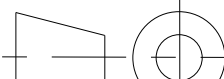



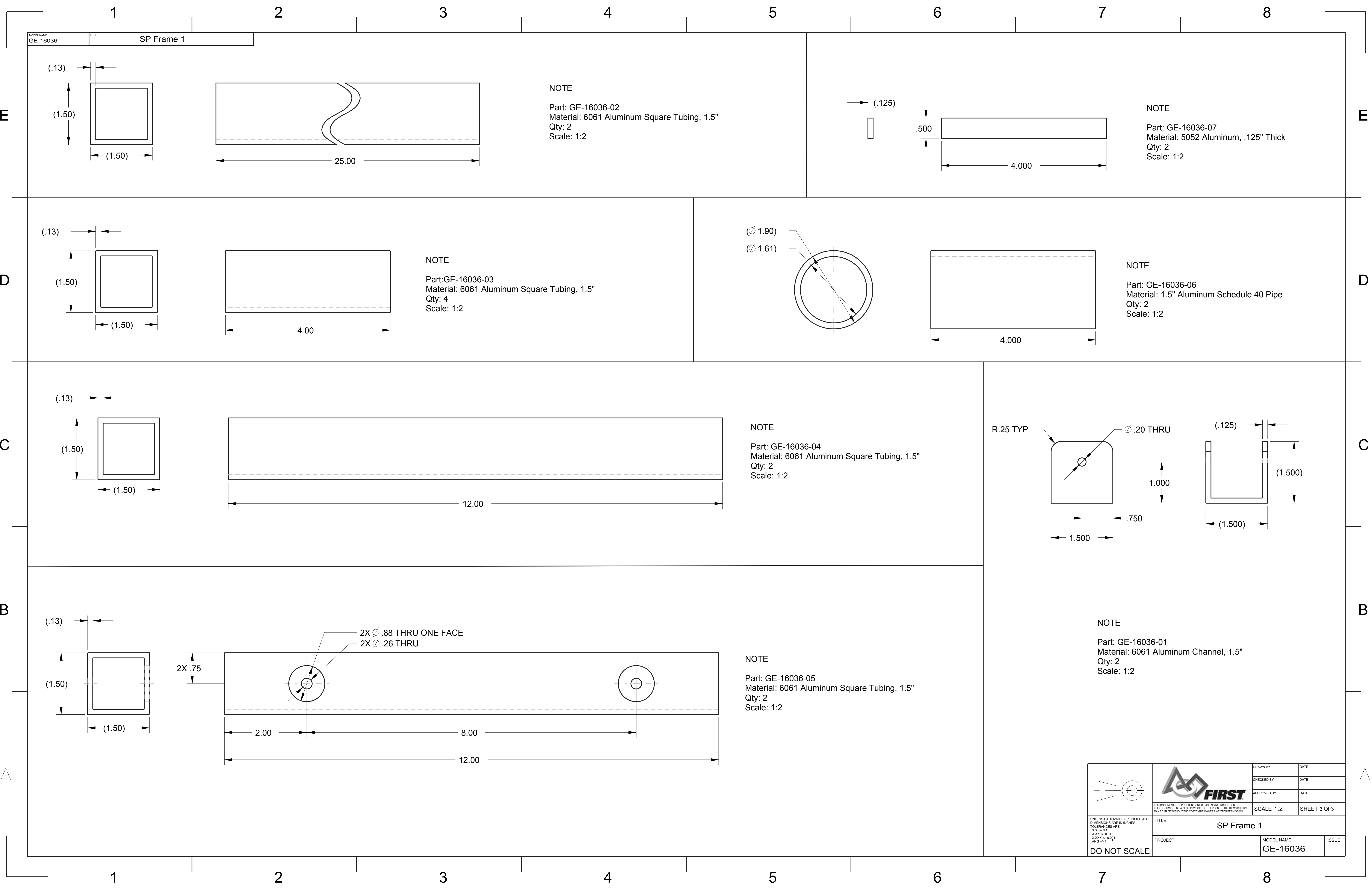
MODEL NAME
GE-16036

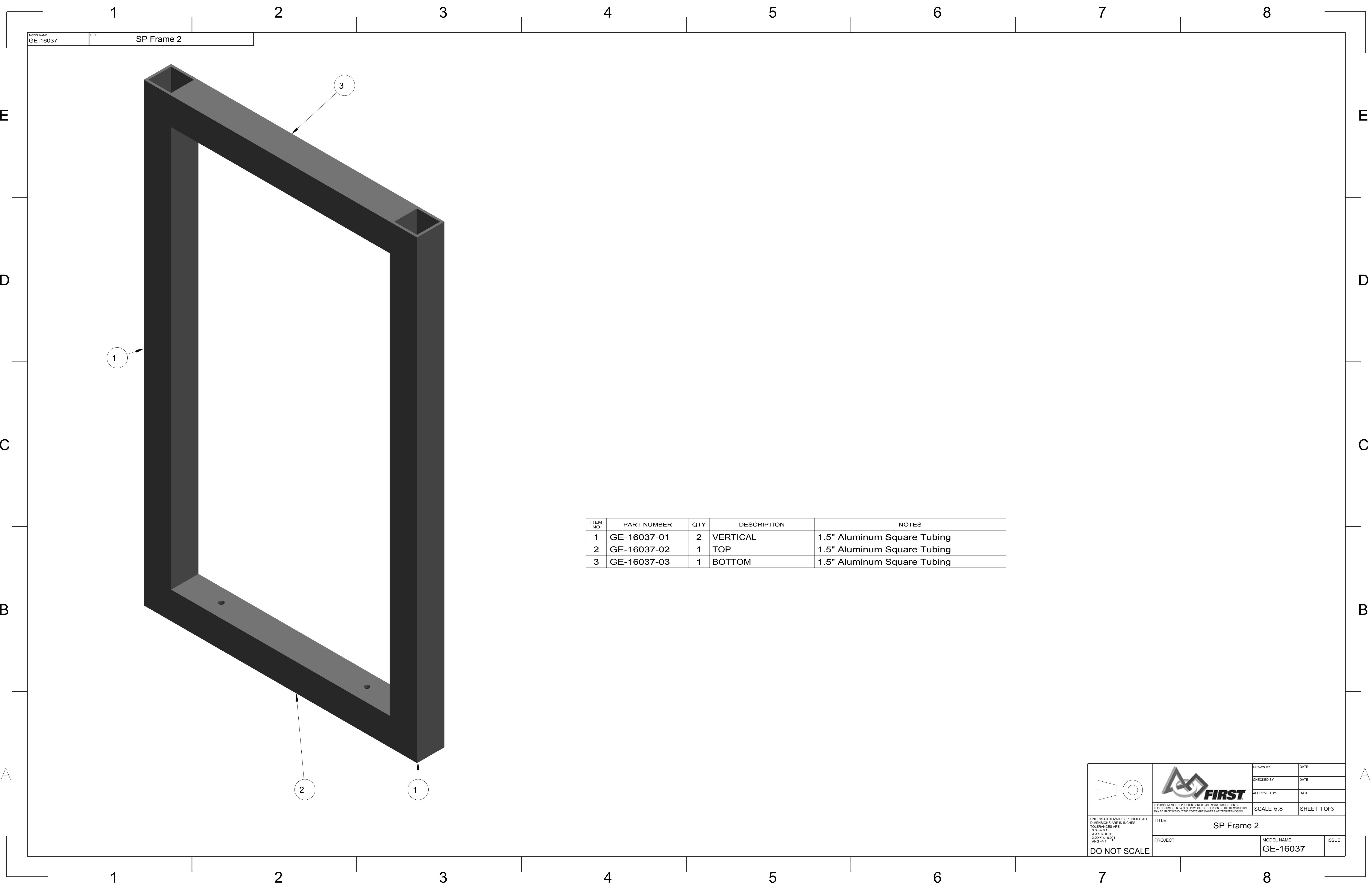
TITLE
SP Frame 1

NOTE

Weld all mated surfaces, full round.

		DRAWN BY	DATE
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		APPROVED BY	DATE
		SCALE 1:2	
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TITLE			
SP Frame 1			
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X ± 0.1 X.XX ± 0.01 X.XXX ± 0.001 ANG ± 1	PROJECT	MODEL NAME	ISSUE
	GE-16036		
DO NOT SCALE			





ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16037-01	2	VERTICAL	1.5" Aluminum Square Tubing
2	GE-16037-02	1	TOP	1.5" Aluminum Square Tubing
3	GE-16037-03	1	BOTTOM	1.5" Aluminum Square Tubing

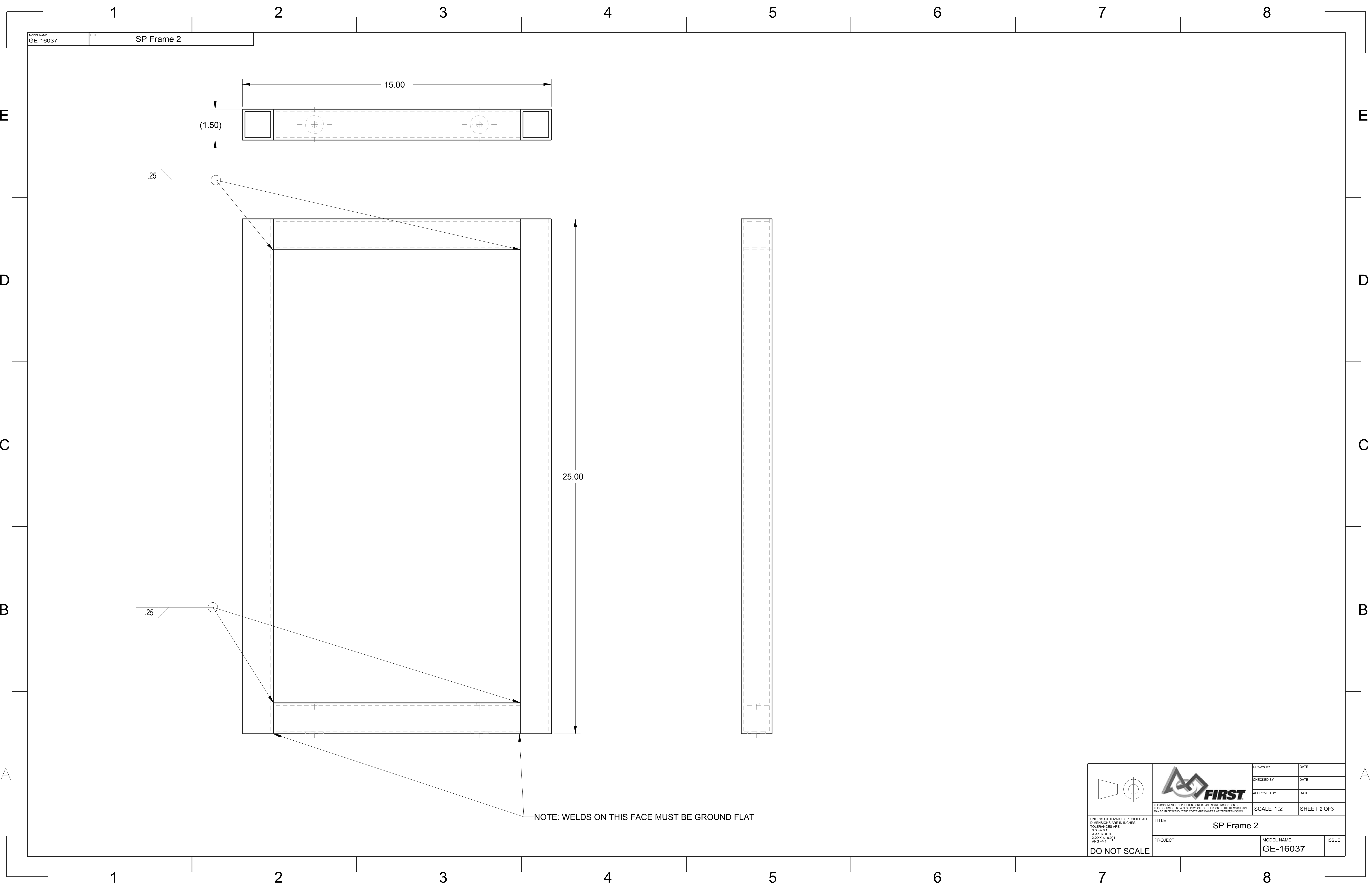
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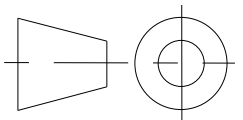

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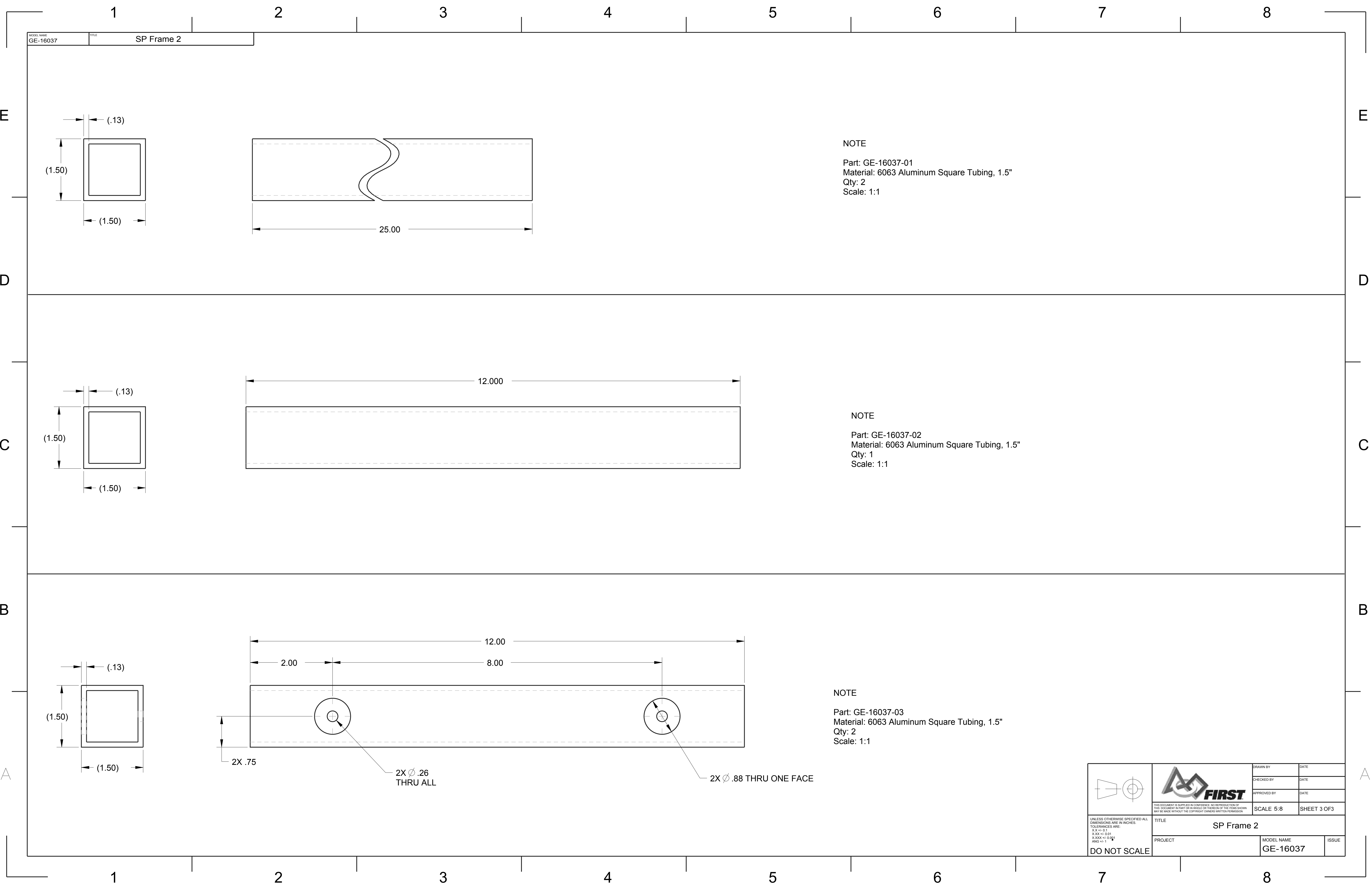
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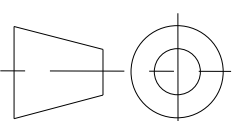

TITLE		SP Frame 2	
PROJECT	MODEL NAME	ISSUE	
	GE-16037		

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CHECKED BY	DATE
APPROVED BY	DATE
SCALE 5:8	SHEET 1 OF 3



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		APPROVED BY	DATE
		SCALE 1:2	SHEET 2 OF 3
TITLE SP Frame 2			
PROJECT		MODEL NAME GE-16037	ISSUE

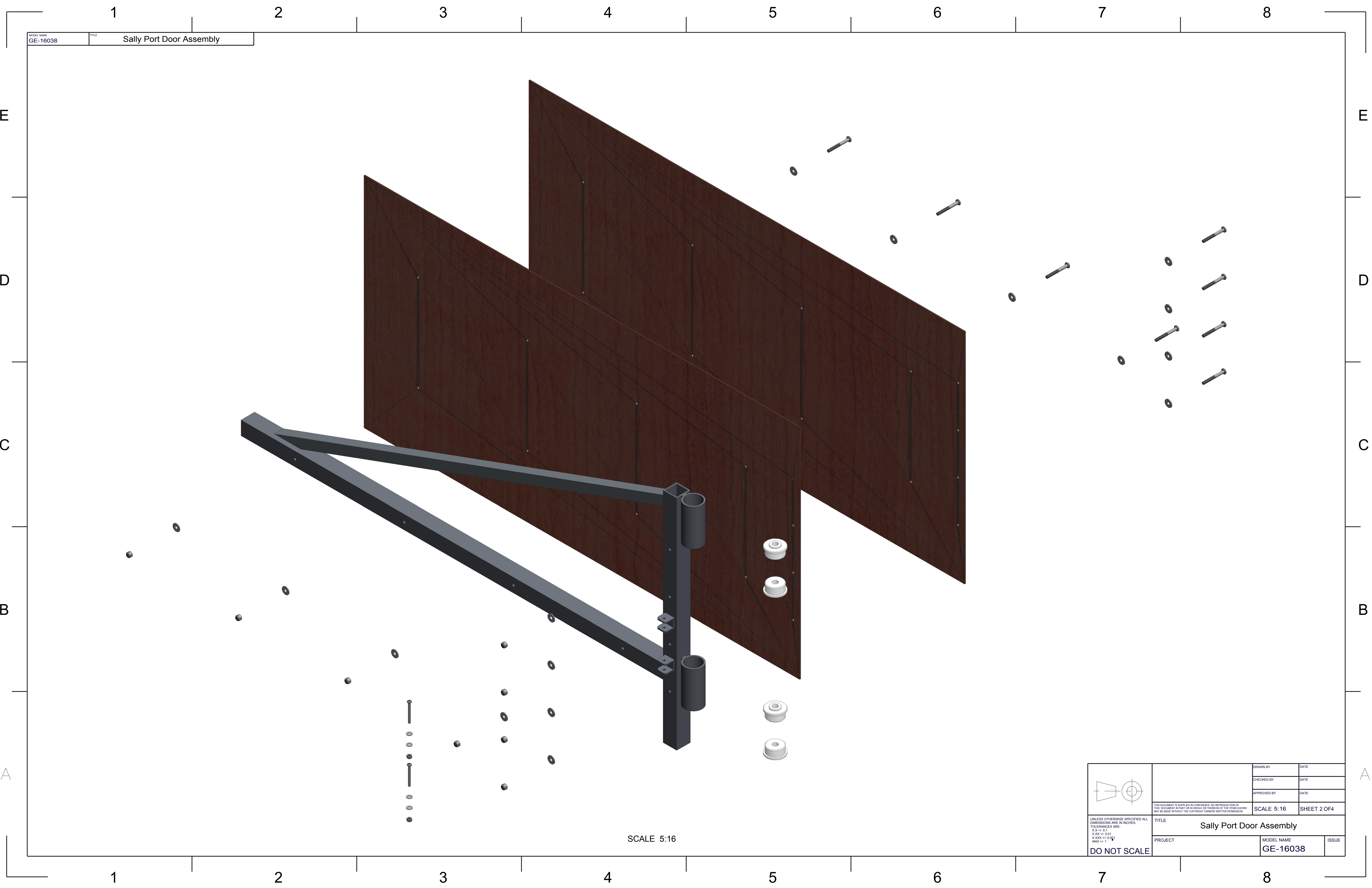


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		APPROVED BY	DATE
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TITLE SP Frame 2			
PROJECT		MODEL NAME GE-16037	ISSUE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
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X +/- 0.05
X.XXX +/- 0.001
ANG +/- 1

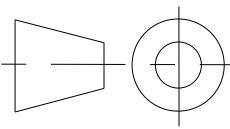
DO NOT SCALE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.XX +/- 0.1
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ANG +/- 1
DO NOT SCALE



MODEL NAME
GE-16038

TITLE
Sally Port Door Assembly

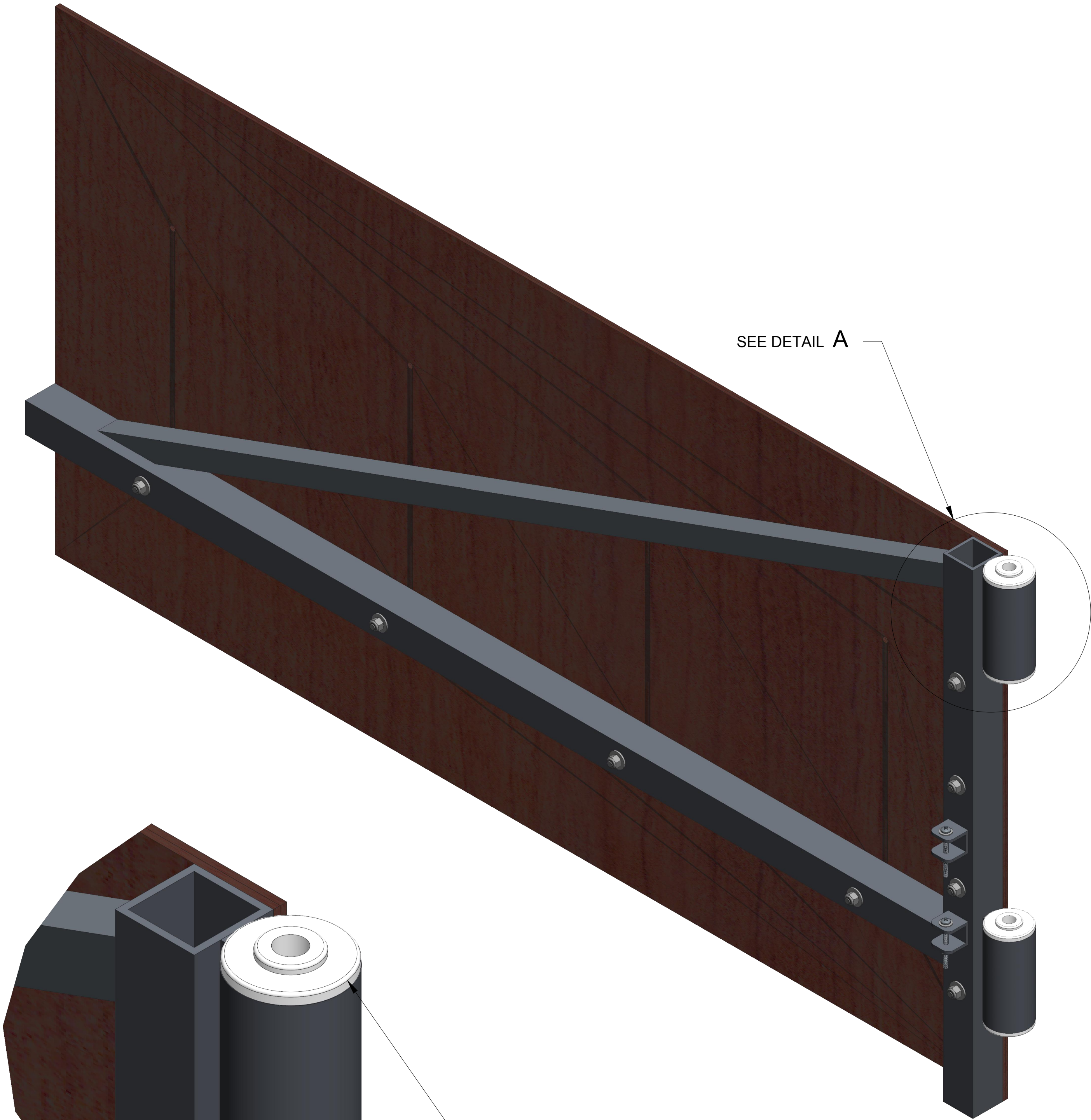
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TITLE		Sally Port Door Assembly	
PROJECT		MODEL NAME GE-16038	ISSUE
		SCALE 5:16 SHEET 2 OF 4	

SCALE 5:16

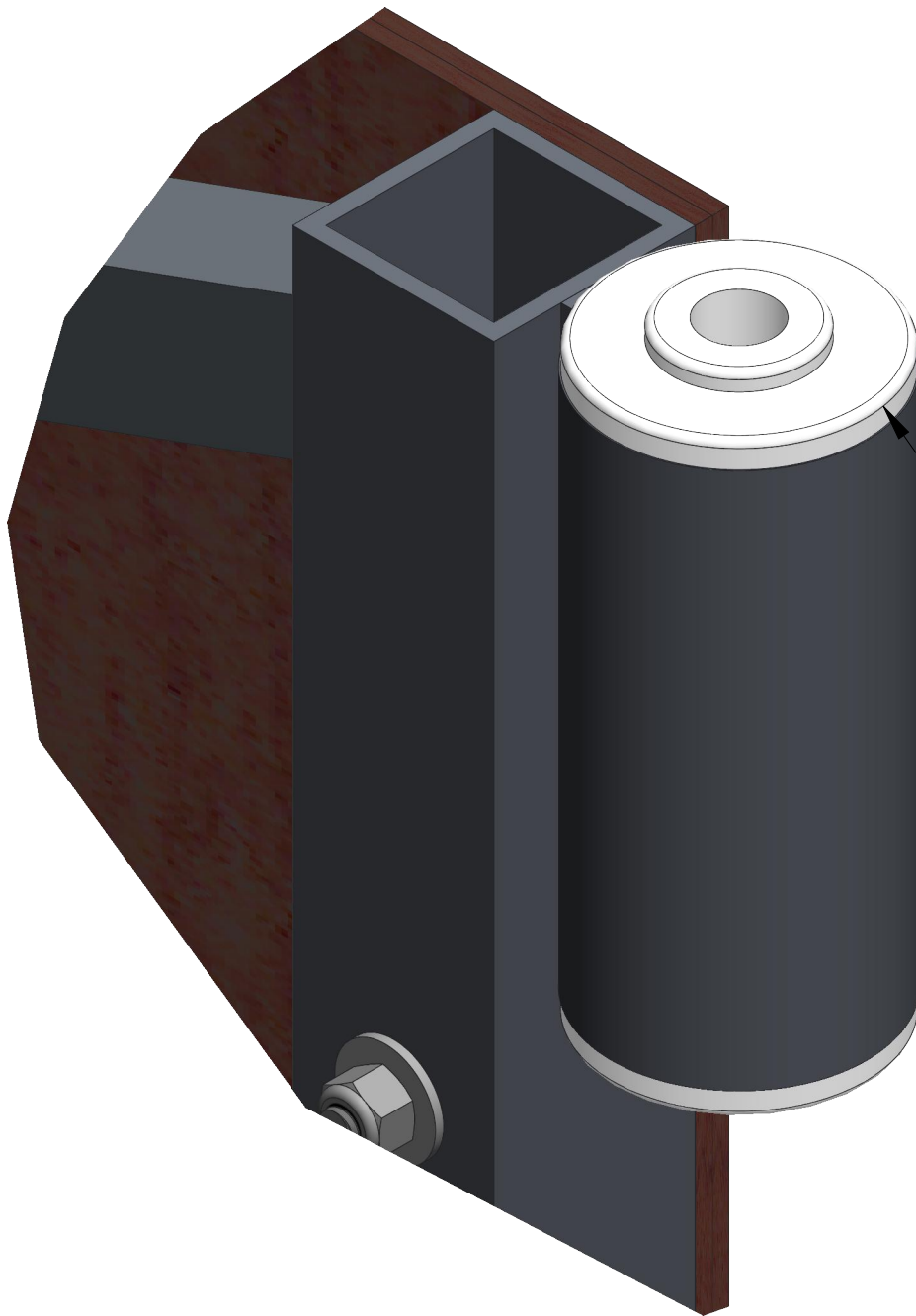


NOTE: Place two GE-16044 parts front to back, so that the printing is sandwiched between the clear portions of the polycarbonate, also making sure that the holes line up properly.



Secure those parts to the Door Frame with 1/4"-20 hardware called out in BOM.



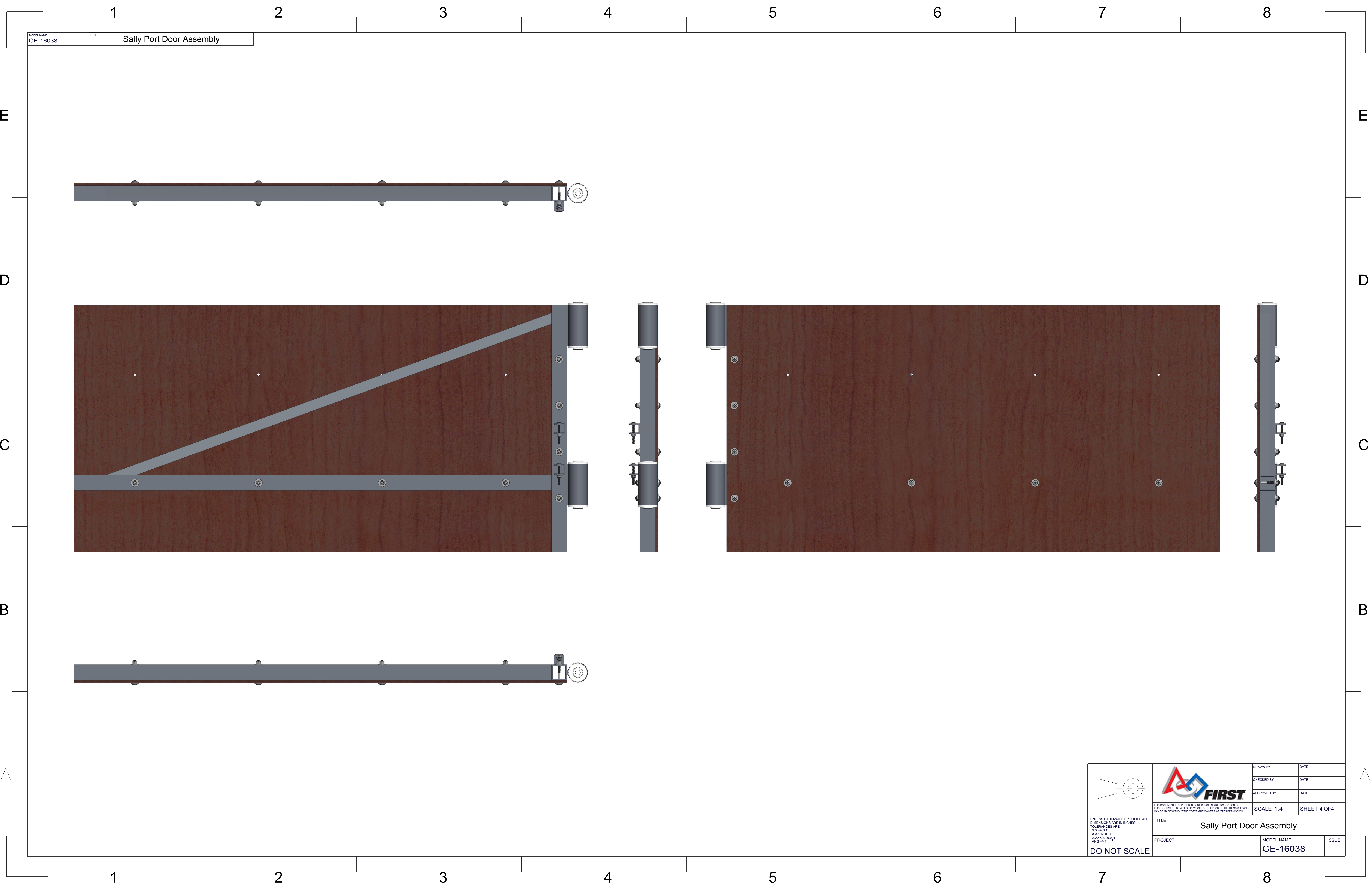
SEE DETAIL A



NOTE: Add Acetal Conveyor Bearings to the hinge. They are a tight fit, so persuasion may be necessary. 4 Places

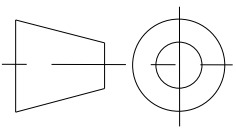

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		APPROVED BY	DATE
		SCALE 1:4	SHEET 3 OF 4
TITLE Sally Port Door Assembly			
PROJECT	MODEL NAME GE-16038		ISSUE

DETAIL A
SCALE 1:1



MODEL NAME
GE-16038

TITLE
Sally Port Door Assembly

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TITLE Sally Port Door Assembly		SCALE 1:4		SHEET 4 OF 4	
PROJECT		MODEL NAME GE-16038		ISSUE	

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X.XX +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

D

C

B

A

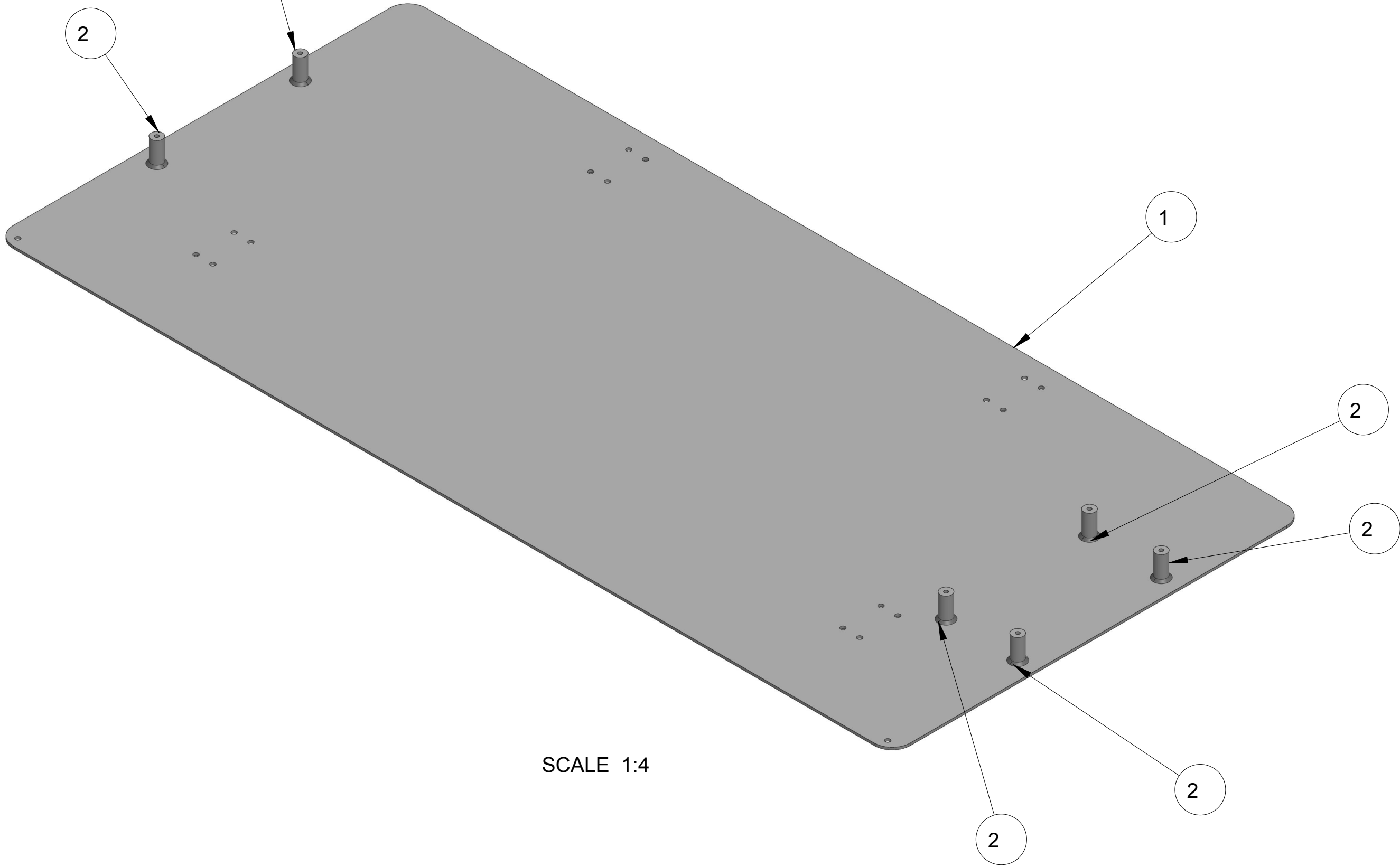
D

C

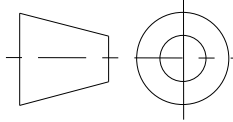

B

A

MODEL NAME	TITLE
GE-16039	Base Weldment



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16016	1	base	See Drawing for Base
2	GE-16039-01	6	standoff	.625" Diameter Steel Rod

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	TITLE	APPROVED BY	DATE
	Base Weldment		SCALE 17:192
PROJECT		MODEL NAME	ISSUE
		GE-16039	

D

C

B

A

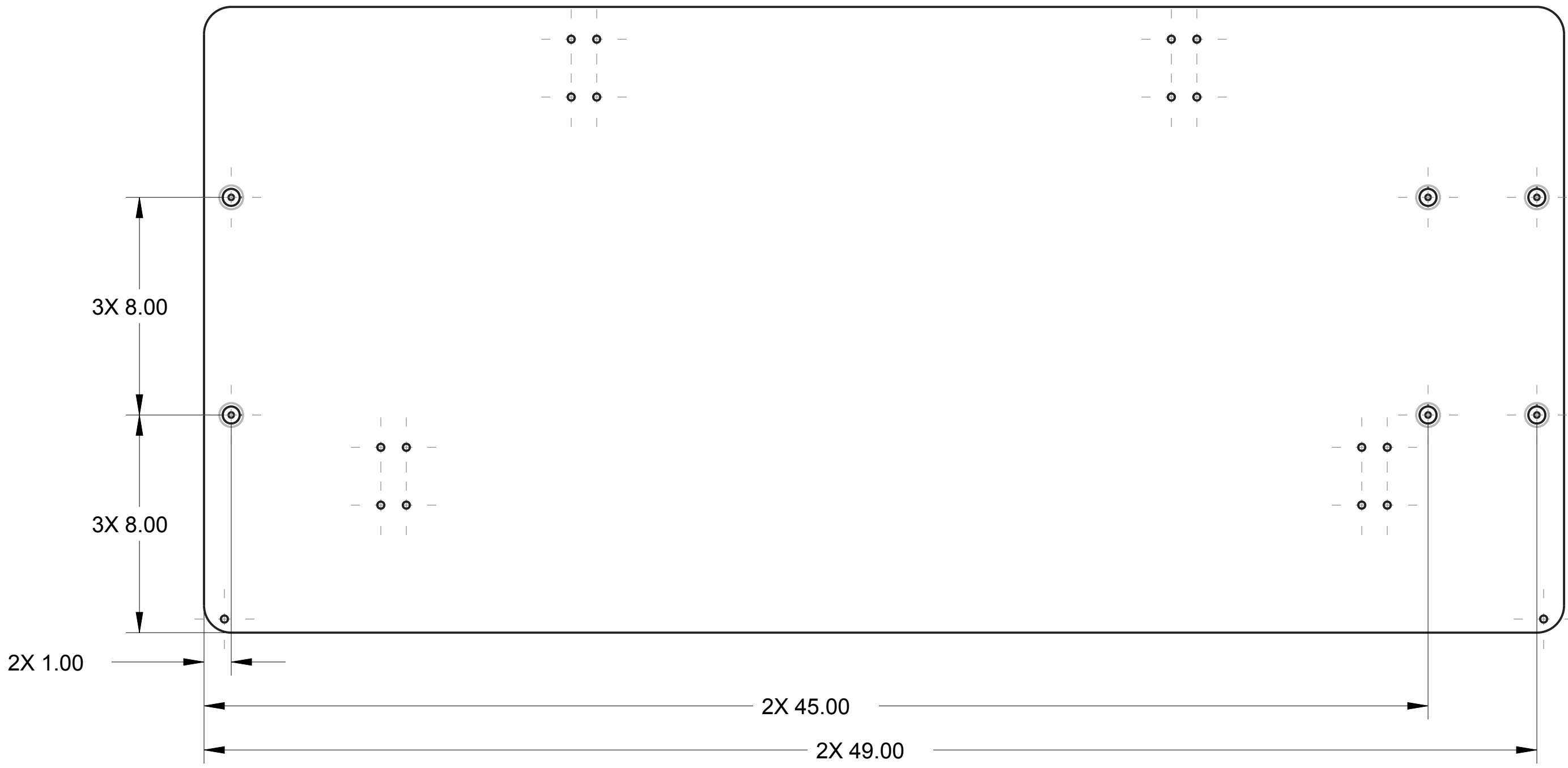
D


C

B

A

MODEL NAME	TITLE
GE-16039	Base Weldment 1



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	SCALE 1:4		SHEET 2 OF 3
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	PROJECT		MODEL NAME GE-16039
			ISSUE

D

C

B

A

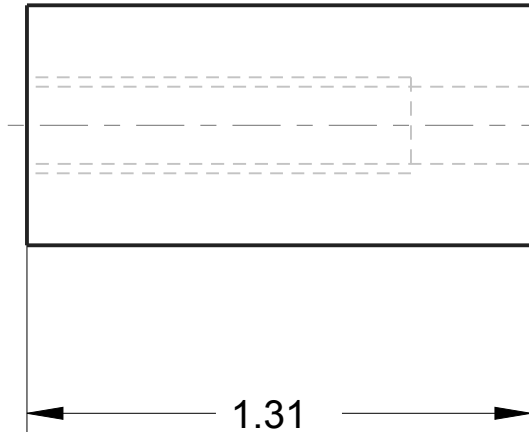
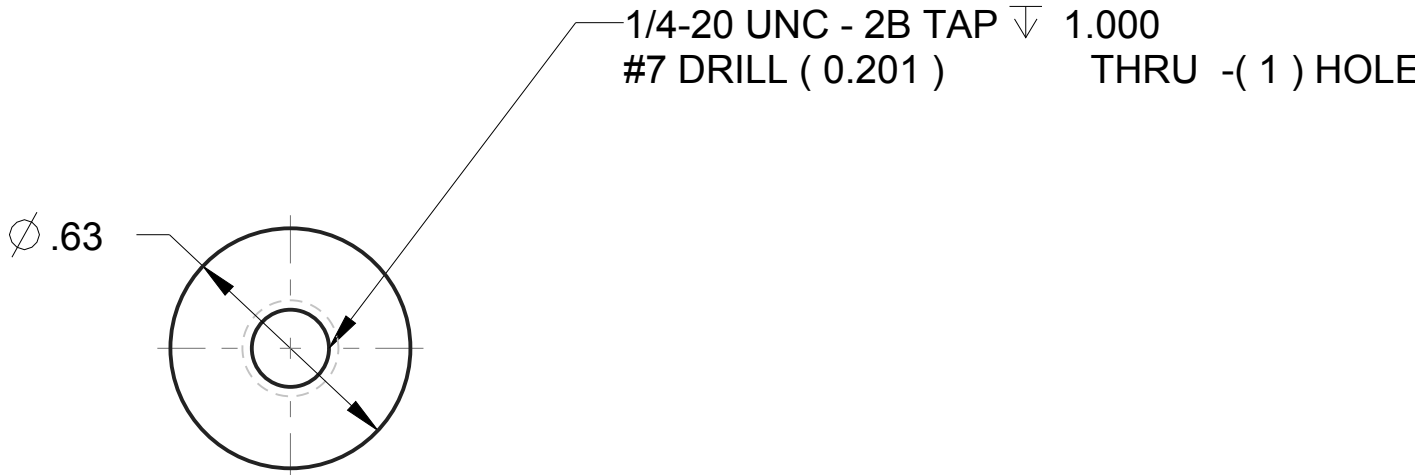
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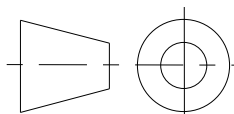

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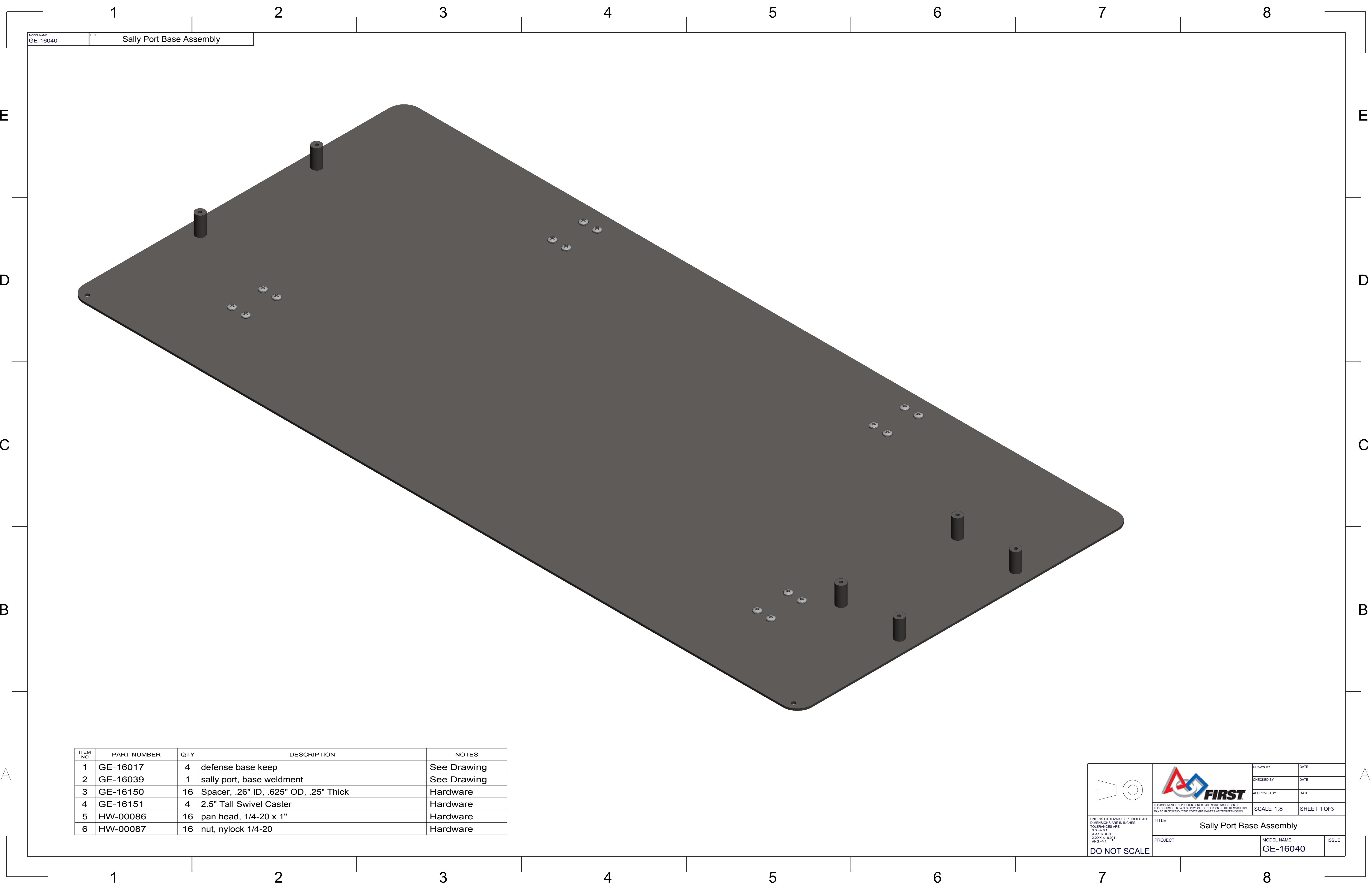
A

MODEL NAME	TITLE
GE-16039	Base Weldment 1



NOTE
Part: STANDOFF
Material: .625" Steel Round Bar
Qty: 6
Scale: 2:1

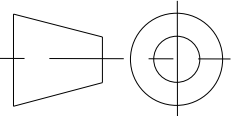
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	TITLE Base Weldment 1		
	PROJECT	MODEL NAME GE-16039	ISSUE
	DO NOT SCALE		



MODEL NAME
GE-16040


TITLE
Sally Port Base Assembly

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16017	4	defense base keep	See Drawing
2	GE-16039	1	sally port, base weldment	See Drawing
3	GE-16150	16	Spacer, .26" ID, .625" OD, .25" Thick	Hardware
4	GE-16151	4	2.5" Tall Swivel Caster	Hardware
5	HW-00086	16	pan head, 1/4-20 x 1"	Hardware
6	HW-00087	16	nut, nylock 1/4-20	Hardware



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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

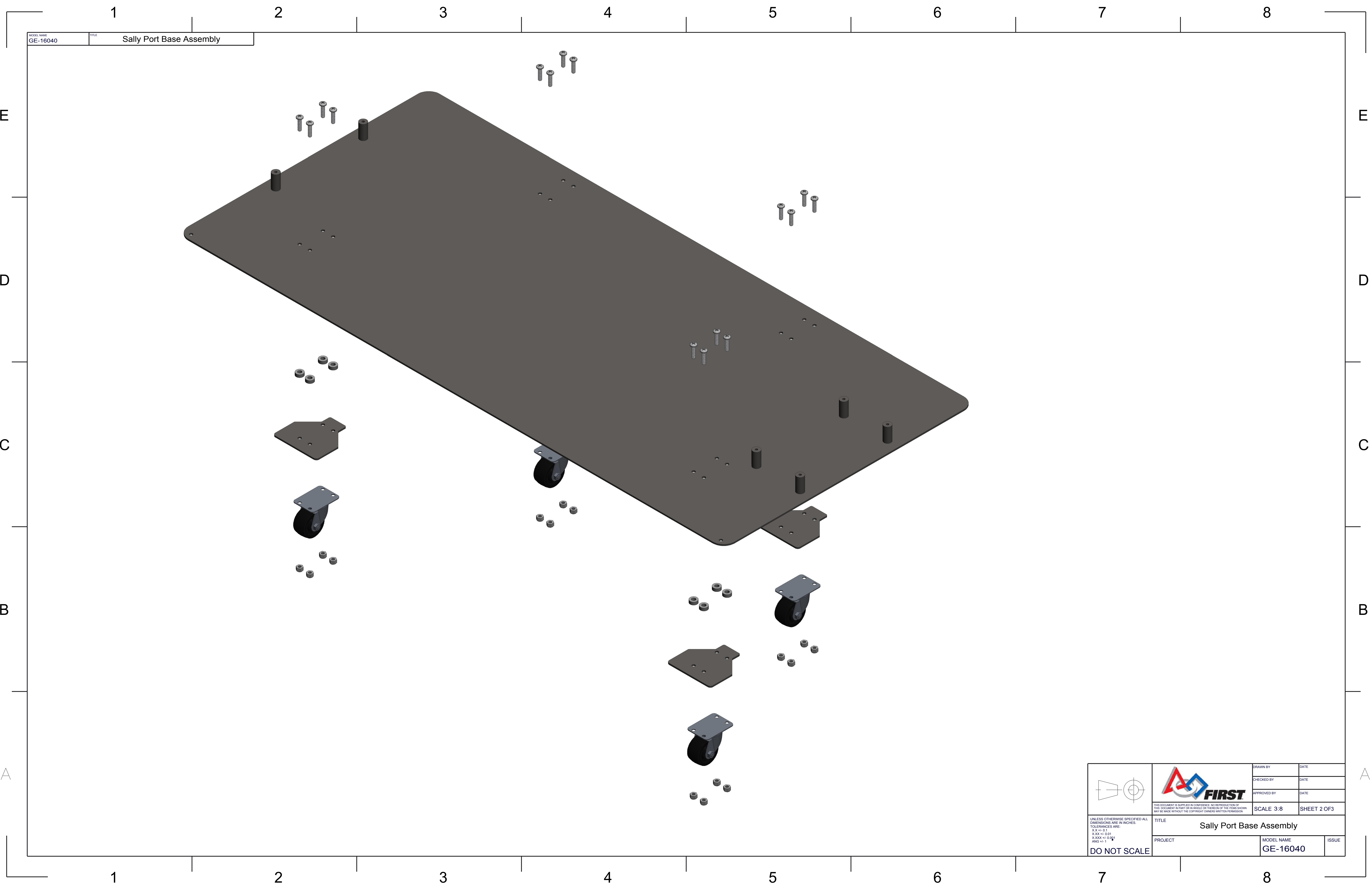
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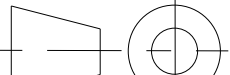

TITLE
Sally Port Base Assembly

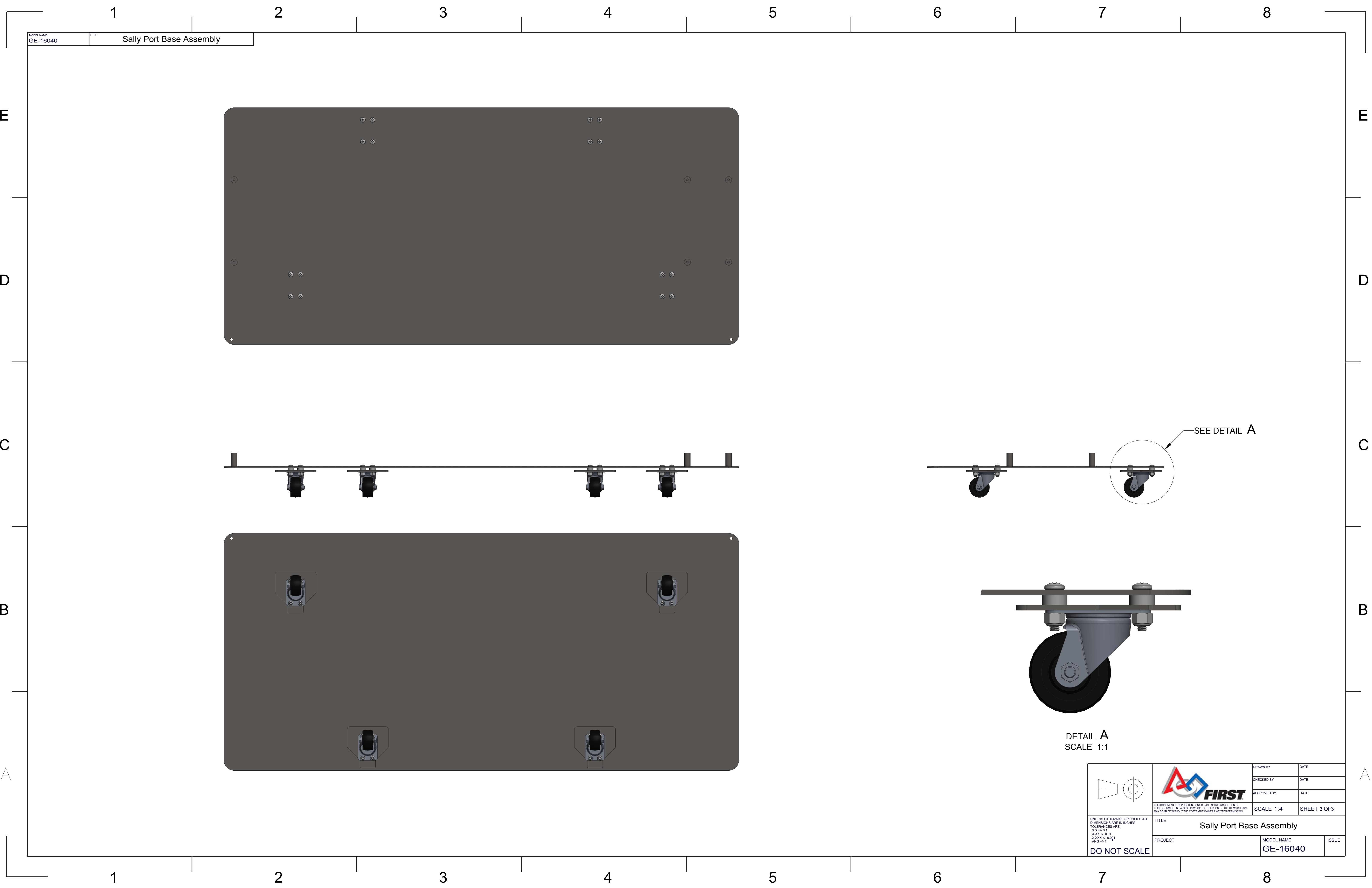
PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:8	
SHEET 1 OF 3	
MODEL NAME GE-16040	ISSUE



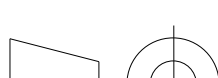

MODEL NAME	TITLE
GE-16040	Sally Port Base Assembly

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		APPROVED BY	DATE	
		SCALE 3:8		SHEET 2 OF 3
TITLE Sally Port Base Assembly				
PROJECT		MODEL NAME GE-16040		ISSUE



MODEL NAME
GE-16040

TITLE
Sally Port Base Assembly

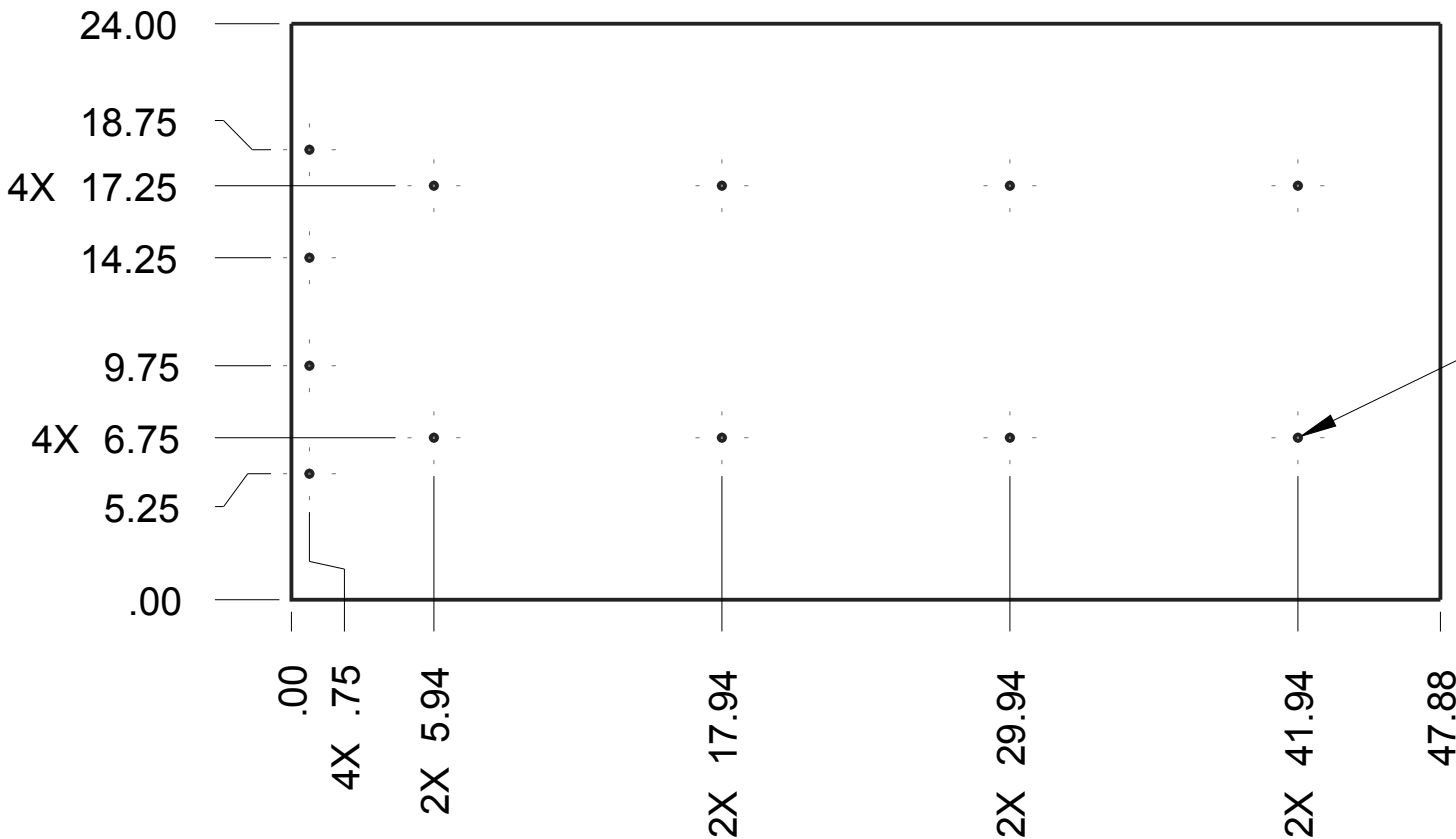
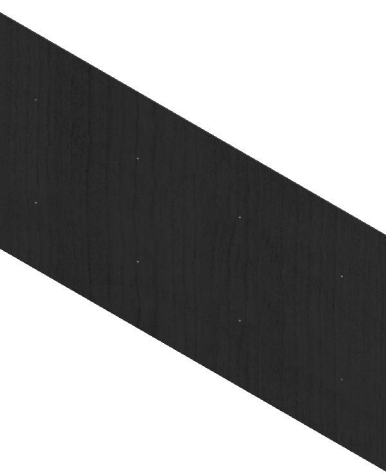
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		APPROVED BY	DATE
		SCALE 1:4	
TITLE Sally Port Base Assembly		SHEET 3 OF 3	
PROJECT	MODEL NAME GE-16040		ISSUE

MODEL NAME
GE-16044

TITLE

OWD_DOOR_3

(.13)



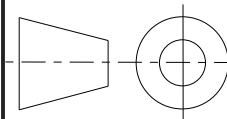
NOTE:

Material: clear polycarbonate, .125"Thick

Scale: 1:8

QTY: 1

Print to look like wood



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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

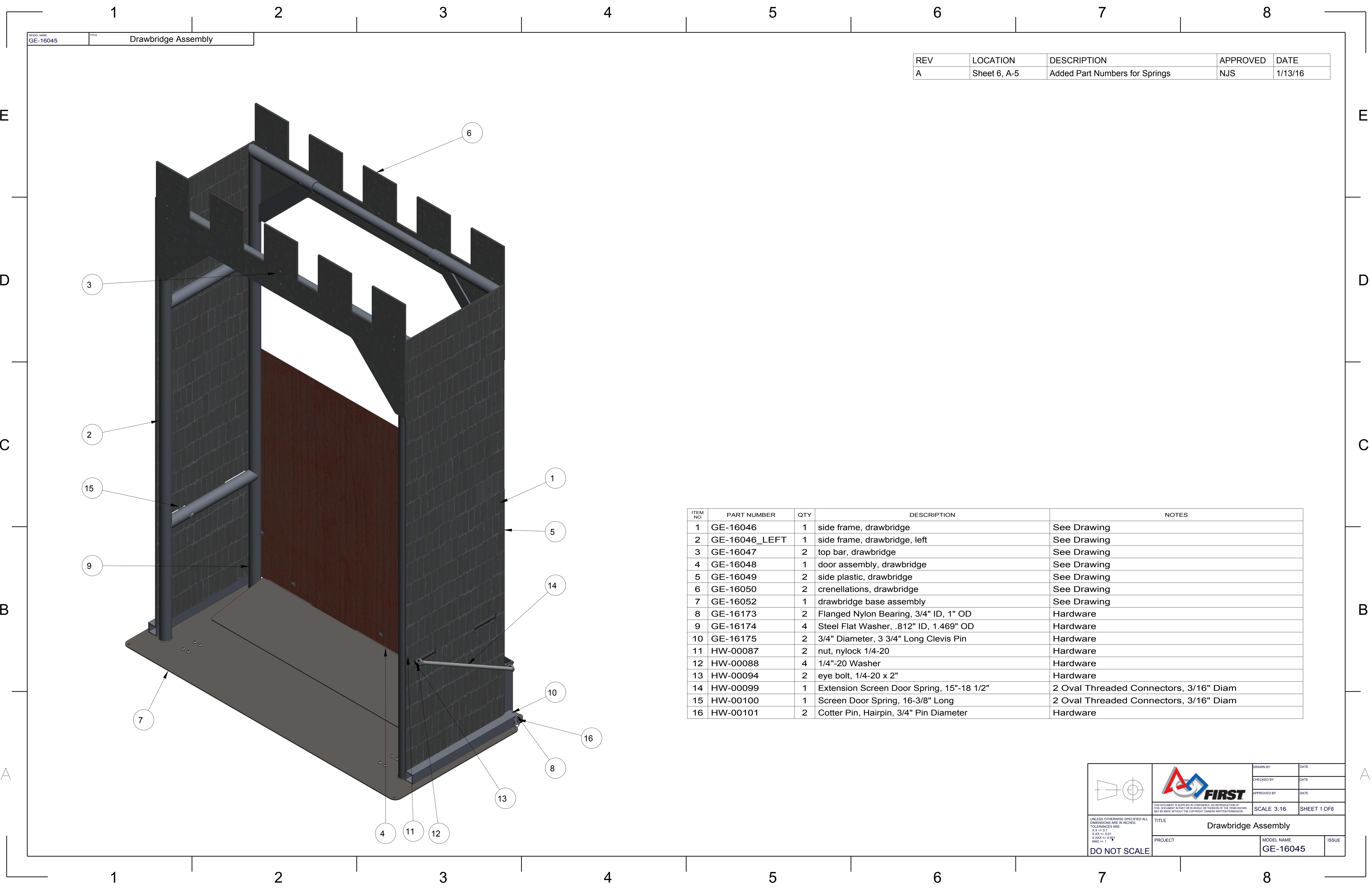
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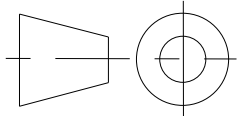
DRAWN BY	DATE
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SCALE1:8	SHEET 1 OF 1

TITLE OWD_DOOR_3		
PROJECT	MODEL NAME GE-16044	ISSUE




REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	Sheet 6, A-5	Added Part Numbers for Springs	NJS	1/13/16

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16046	1	side frame, drawbridge	See Drawing
2	GE-16046_LEFT	1	side frame, drawbridge, left	See Drawing
3	GE-16047	2	top bar, drawbridge	See Drawing
4	GE-16048	1	door assembly, drawbridge	See Drawing
5	GE-16049	2	side plastic, drawbridge	See Drawing
6	GE-16050	2	crenellations, drawbridge	See Drawing
7	GE-16052	1	drawbridge base assembly	See Drawing
8	GE-16173	2	Flanged Nylon Bearing, 3/4" ID, 1" OD	Hardware
9	GE-16174	4	Steel Flat Washer, .812" ID, 1.469" OD	Hardware
10	GE-16175	2	3/4" Diameter, 3 3/4" Long Clevis Pin	Hardware
11	HW-00087	2	nut, nylock 1/4-20	Hardware
12	HW-00088	4	1/4"-20 Washer	Hardware
13	HW-00094	2	eye bolt, 1/4-20 x 2"	Hardware
14	HW-00099	1	Extension Screen Door Spring, 15"-18 1/2"	2 Oval Threaded Connectors, 3/16" Diam
15	HW-00100	1	Screen Door Spring, 16-3/8" Long	2 Oval Threaded Connectors, 3/16" Diam
16	HW-00101	2	Cotter Pin, Hairpin, 3/4" Pin Diameter	Hardware



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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

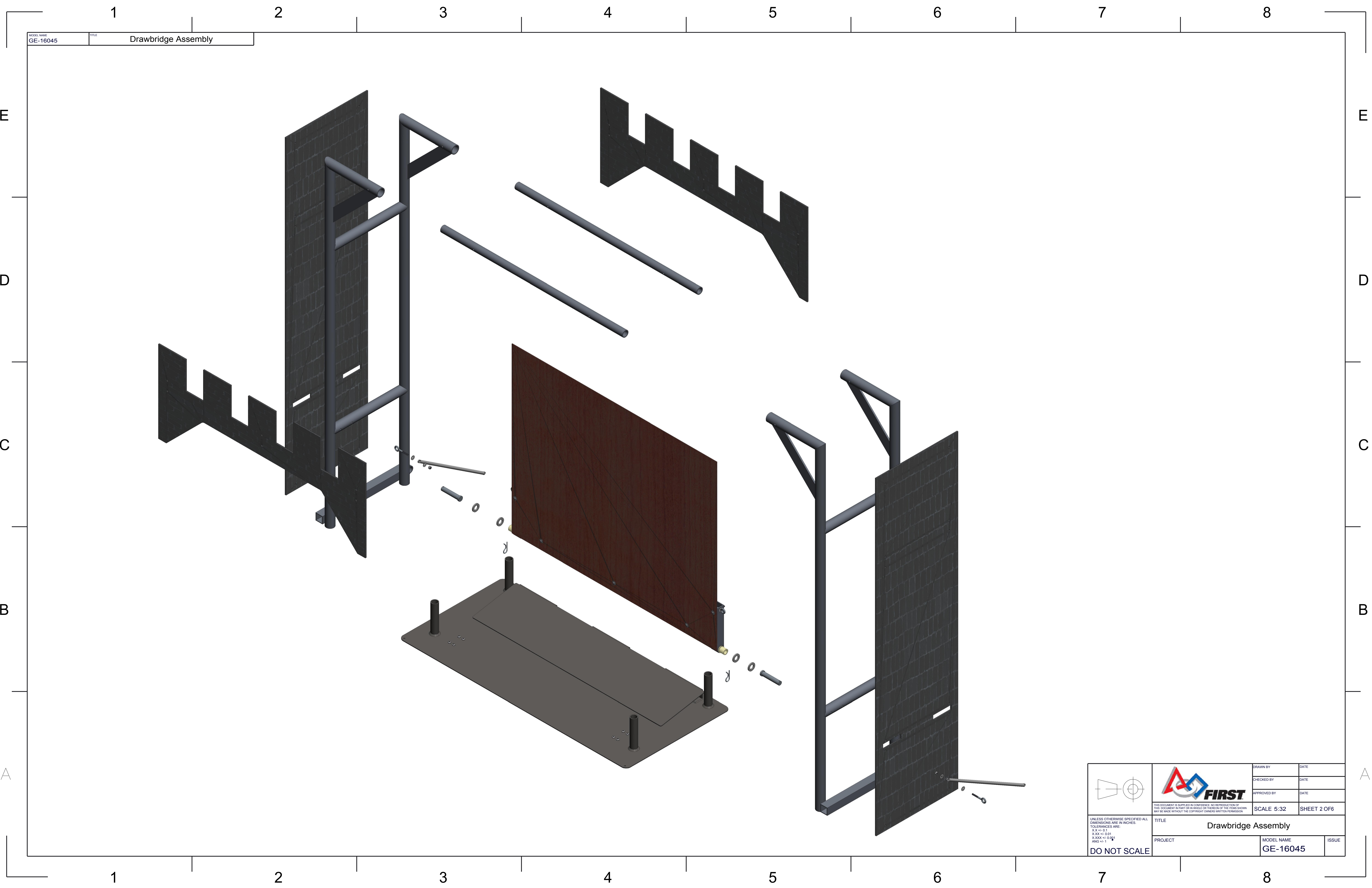


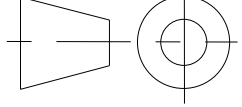

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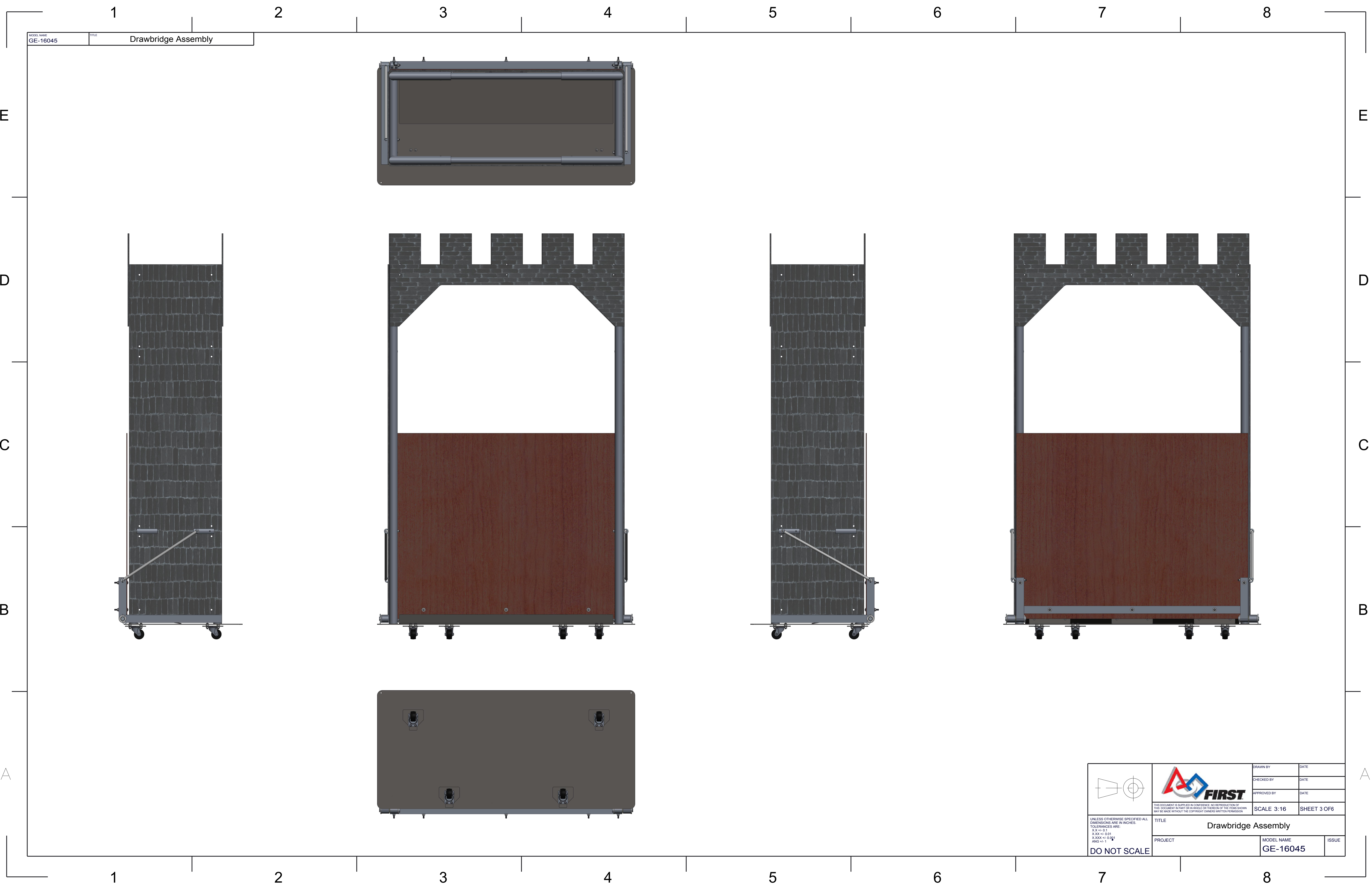
TITLE
Drawbridge Assembly

PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 3:16	SHEET 1 OF 6
MODEL NAME GE-16045	ISSUE





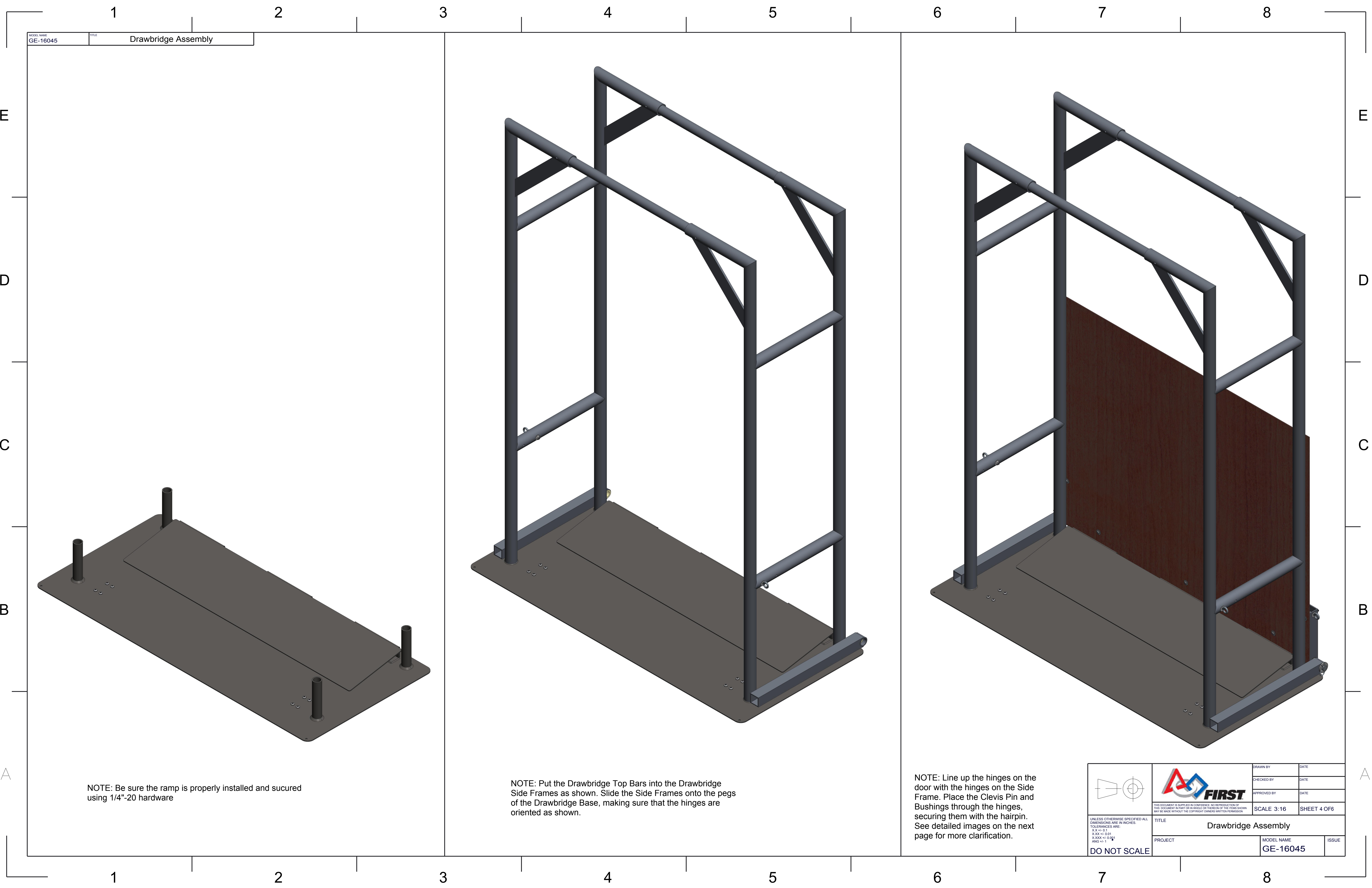
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TITLE Drawbridge Assembly		SCALE 5:32 SHEET 2 OF 6	
PROJECT		MODEL NAME GE-16045	ISSUE



MODEL NAME
GE-16045

TITLE
Drawbridge Assembly


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		APPROVED BY	DATE
		SCALE 3:16	
TITLE Drawbridge Assembly			
PROJECT		MODEL NAME GE-16045	ISSUE



NOTE: Be sure the ramp is properly installed and secured using 1/4"-20 hardware

NOTE: Put the Drawbridge Top Bars into the Drawbridge Side Frames as shown. Slide the Side Frames onto the pegs of the Drawbridge Base, making sure that the hinges are oriented as shown.

NOTE: Line up the hinges on the door with the hinges on the Side Frame. Place the Clevis Pin and Bushings through the hinges, securing them with the hairpin. See detailed images on the next page for more clarification.

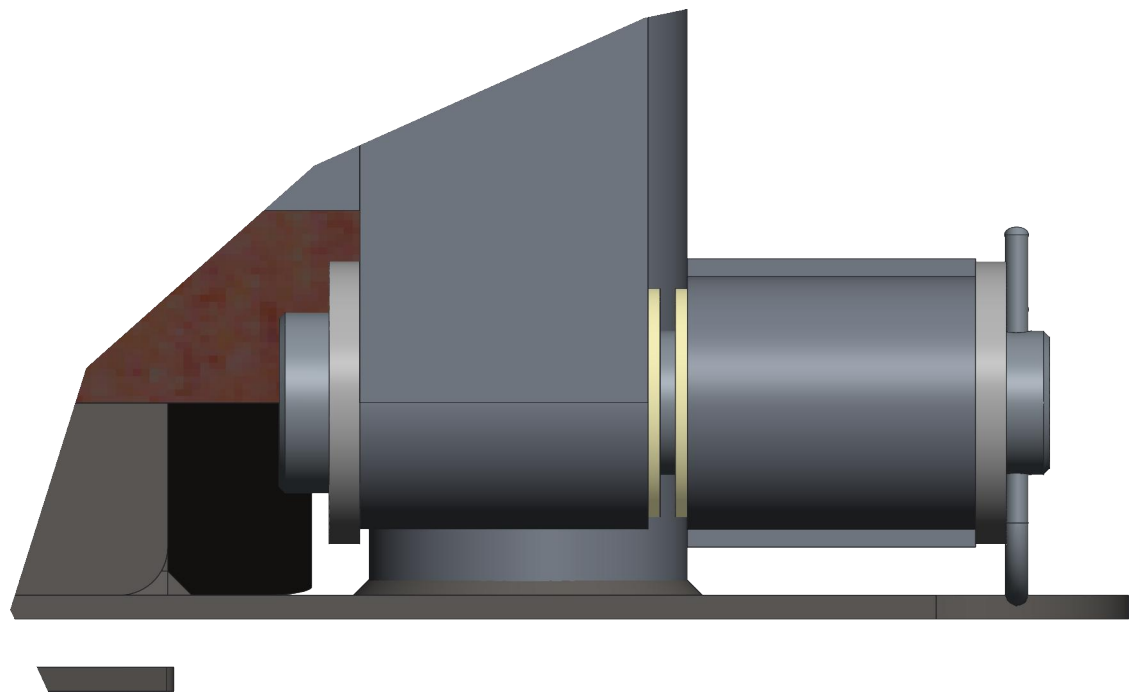


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XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

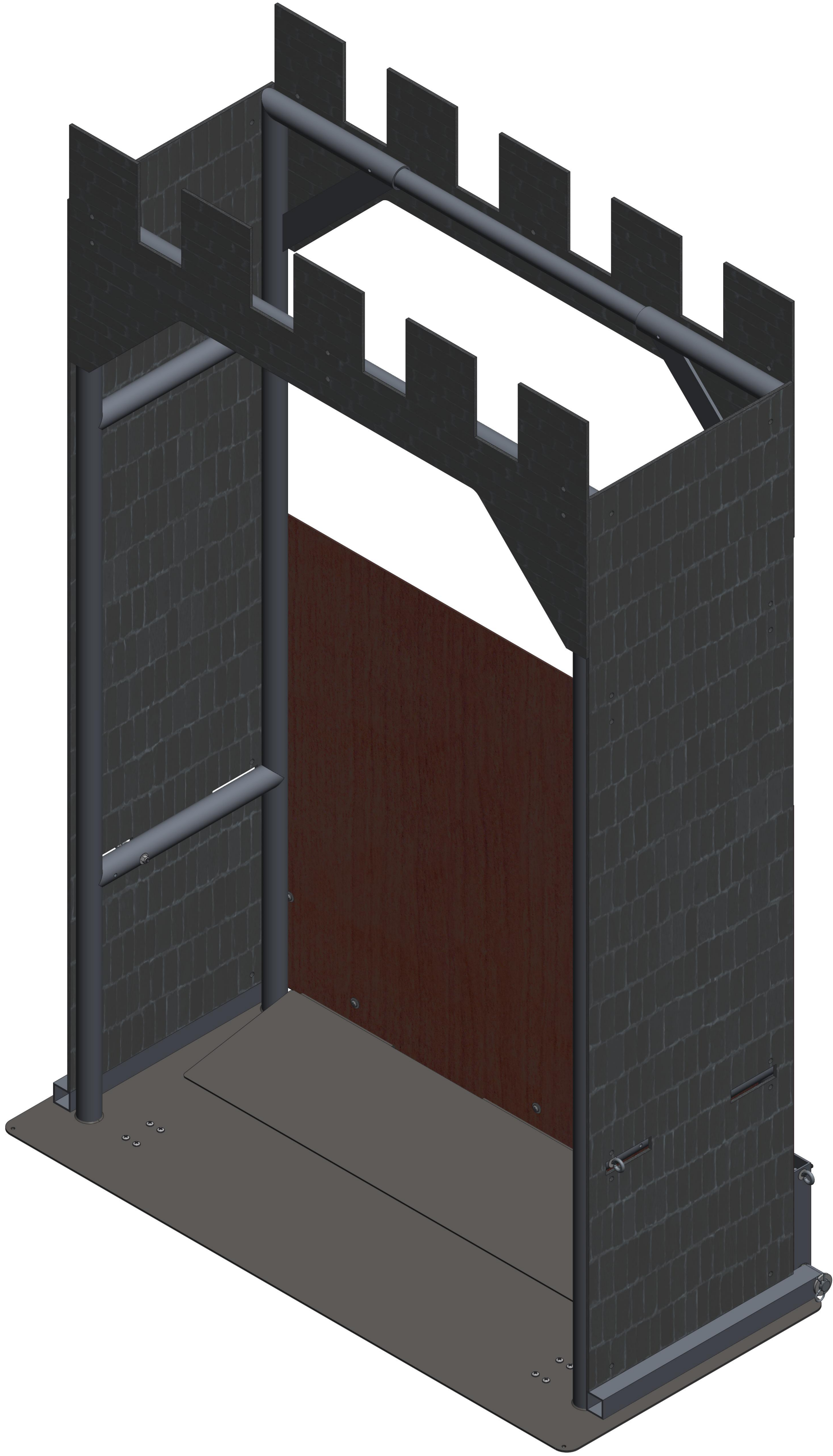
TITLE Drawbridge Assembly	
PROJECT	MODEL NAME GE-16045
ISSUE	

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 3:16	SHEET 4 OF 6





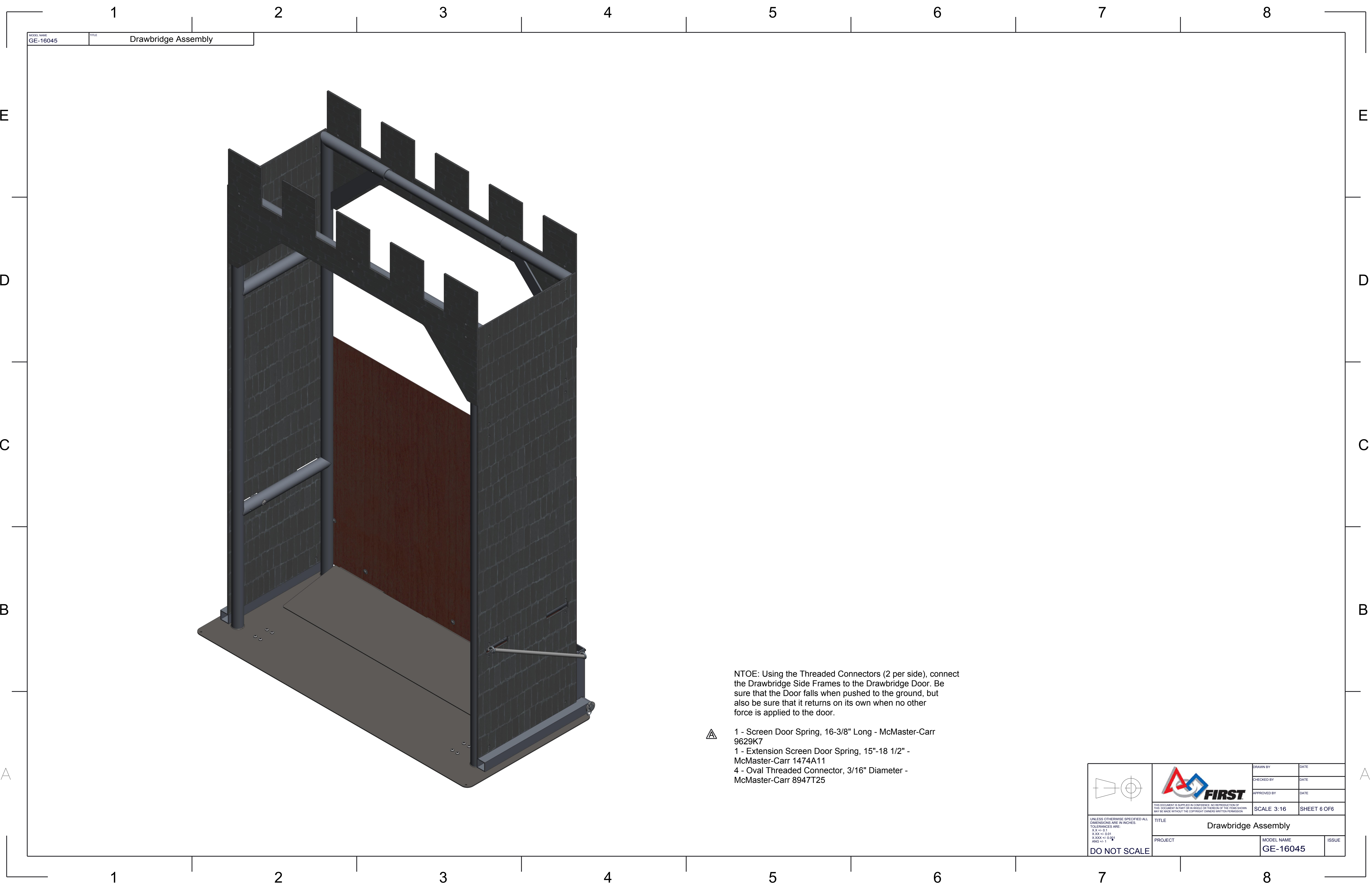
DETAIL A
SCALE 1:1

NOTE: The order in which the components are placed is shown in Detail A.



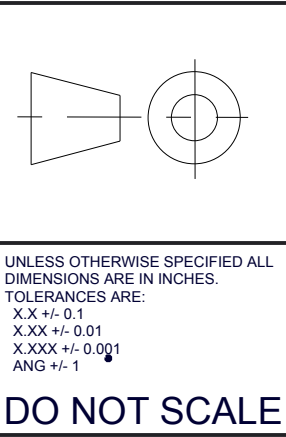

NOTE: Secure the decorate Polycarbonate with cable ties as shown.

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		CHECKED BY	DATE
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		SCALE 3:16	SHEET 5 OF 6
TITLE Drawbridge Assembly			
PROJECT		MODEL NAME	ISSUE
DO NOT SCALE		GE-16045	

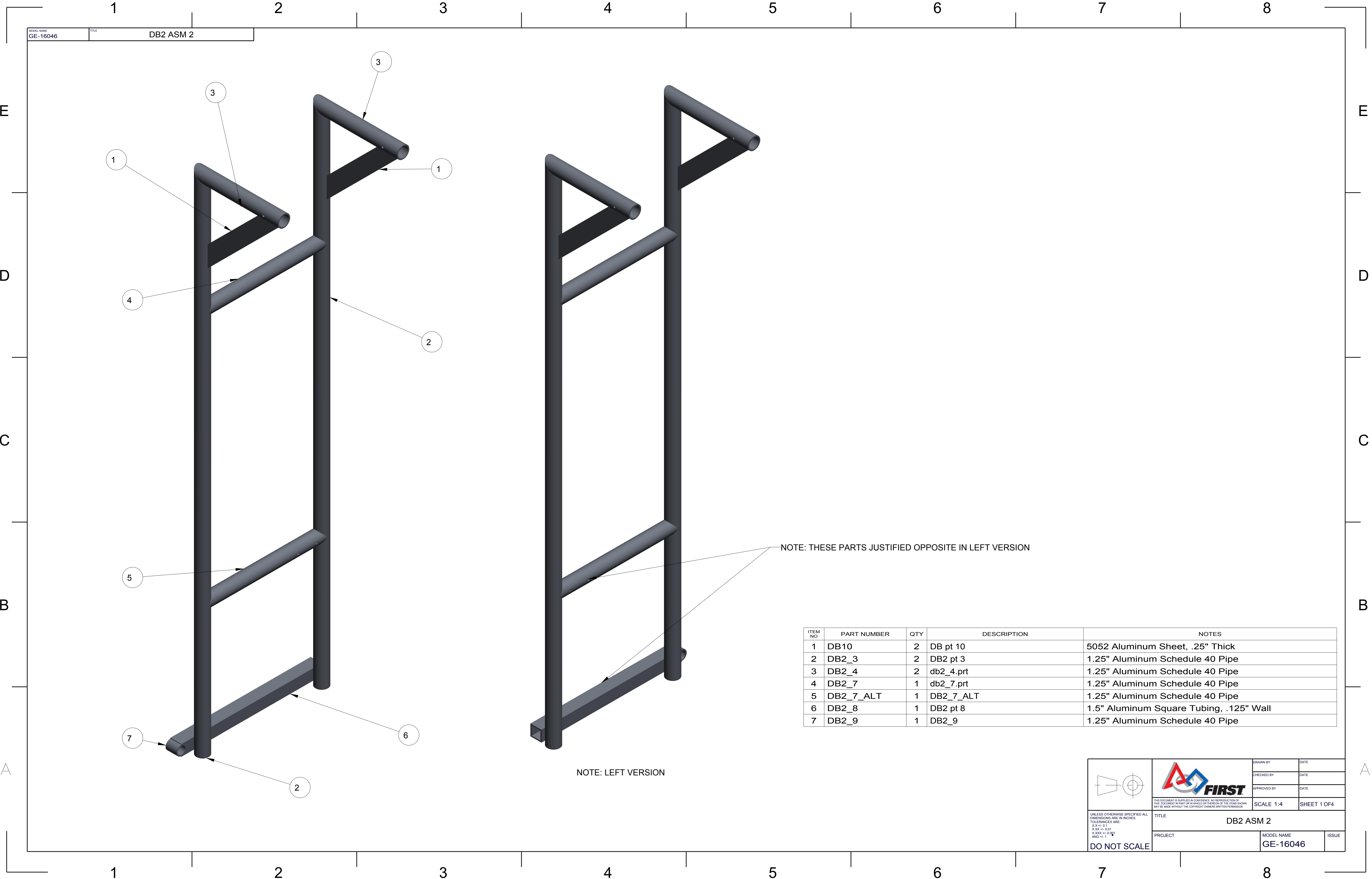


NTOE: Using the Threaded Connectors (2 per side), connect the Drawbridge Side Frames to the Drawbridge Door. Be sure that the Door falls when pushed to the ground, but also be sure that it returns on its own when no other force is applied to the door.

- ⚠ 1 - Screen Door Spring, 16-3/8" Long - McMaster-Carr 9629K7
1 - Extension Screen Door Spring, 15"-18 1/2" - McMaster-Carr 1474A11
4 - Oval Threaded Connector, 3/16" Diameter - McMaster-Carr 8947T25

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		APPROVED BY	DATE
		SCALE 3:16 SHEET 6 OF 6	
TITLE Drawbridge Assembly			
PROJECT		MODEL NAME GE-16045	ISSUE

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X.XX +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1
DO NOT SCALE



MODEL NAME
GE-16046

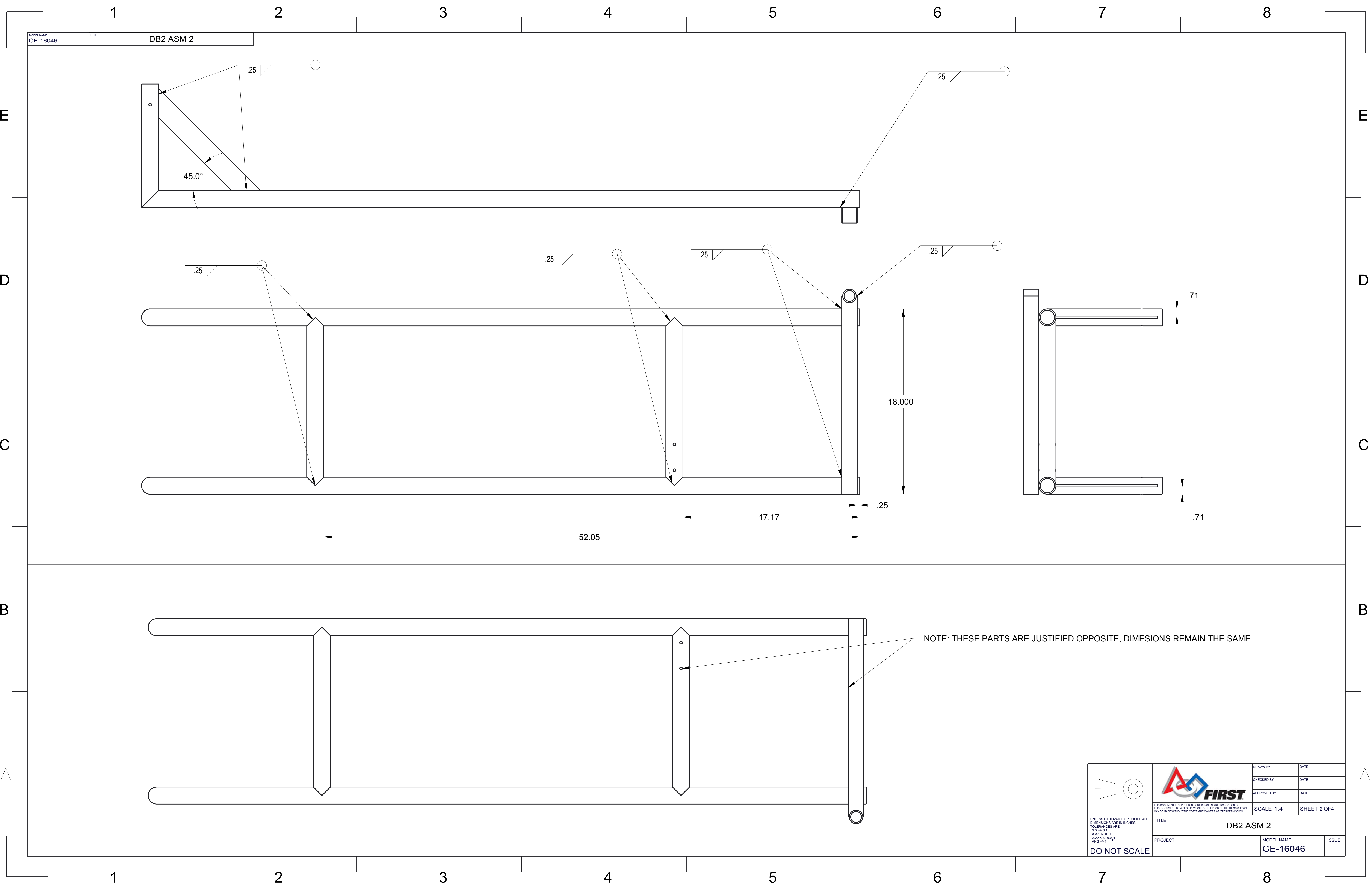
TITLE
DB2 ASM 2

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	DB10	2	DB pt 10	5052 Aluminum Sheet, .25" Thick
2	DB2_3	2	DB2 pt 3	1.25" Aluminum Schedule 40 Pipe
3	DB2_4	2	db2_4.prt	1.25" Aluminum Schedule 40 Pipe
4	DB2_7	1	db2_7.prt	1.25" Aluminum Schedule 40 Pipe
5	DB2_7_ALT	1	DB2_7_ALT	1.25" Aluminum Schedule 40 Pipe
6	DB2_8	1	DB2 pt 8	1.5" Aluminum Square Tubing, .125" Wall
7	DB2_9	1	DB2_9	1.25" Aluminum Schedule 40 Pipe

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TITLE DB2 ASM 2		SCALE 1:4		SHEET 1 OF 4
PROJECT		MODEL NAME GE-16046	ISSUE	

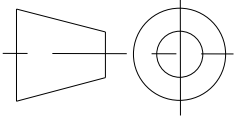

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XXX +/- 0.01
XXX +/- 0.001
ANG +/- 1

DO NOT SCALE



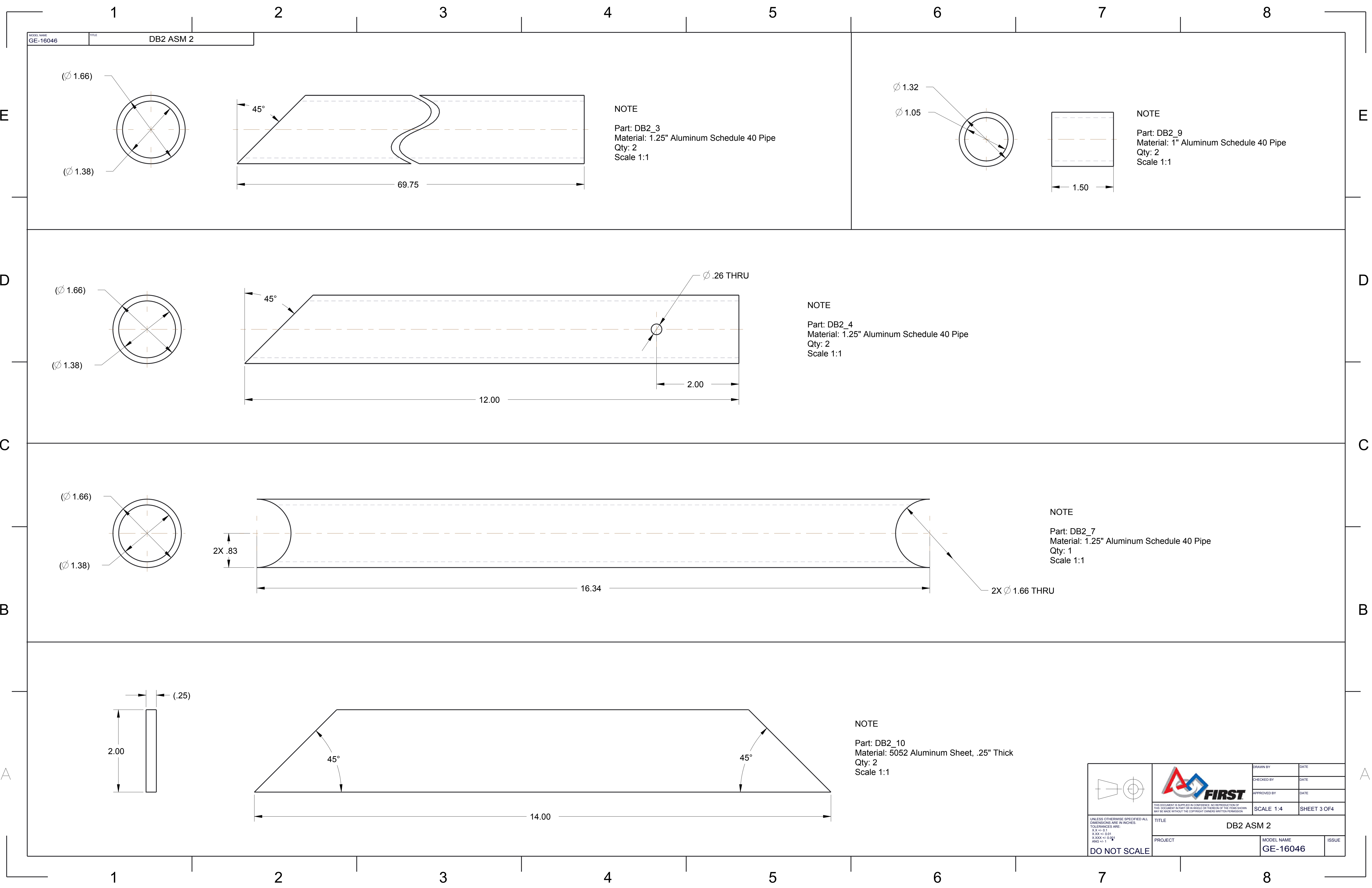
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GE-16046

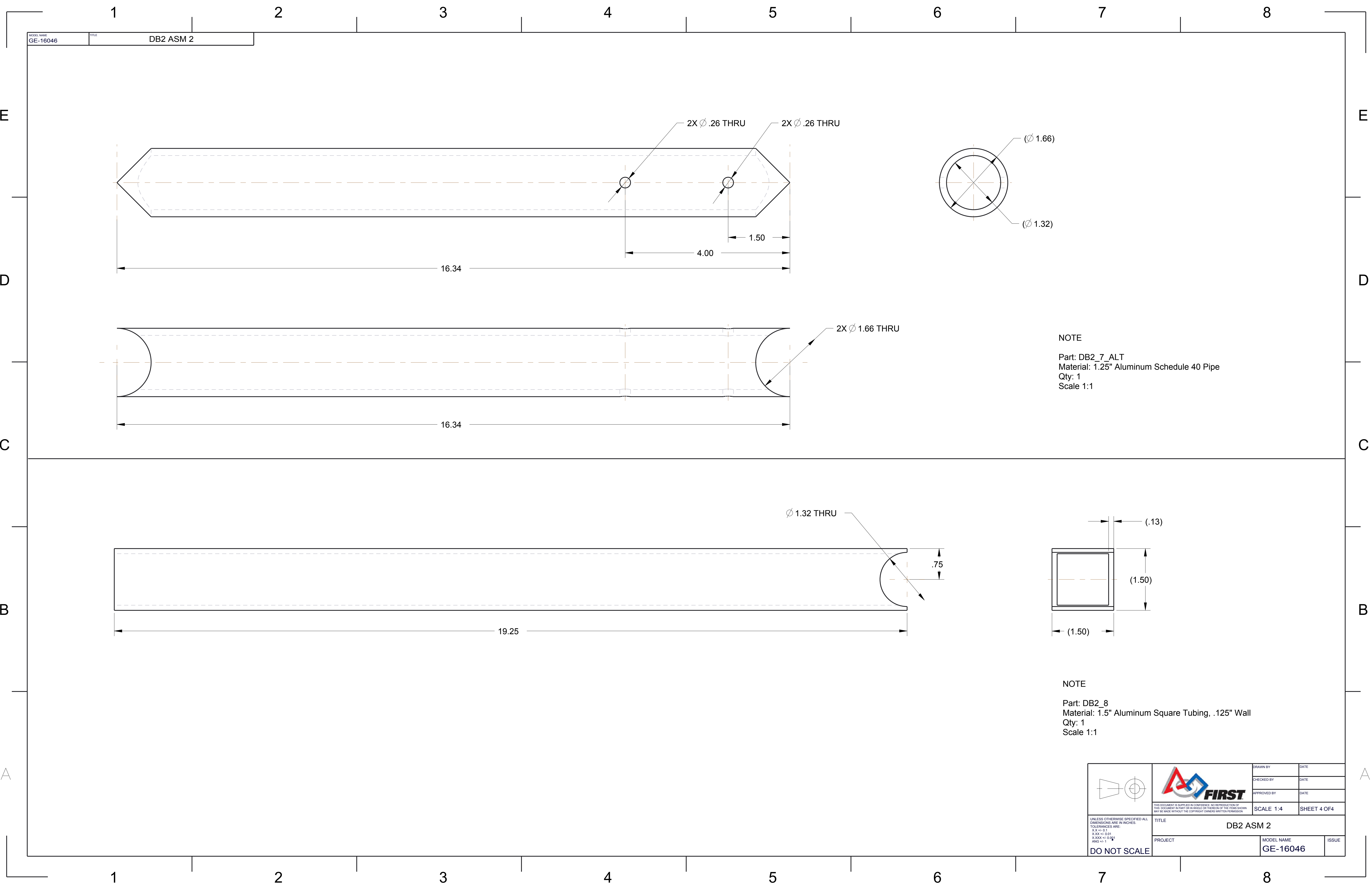
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DB2 ASM 2

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TITLE DB2 ASM 2		SCALE 1:4		SHEET 2 OF 4	
PROJECT		MODEL NAME GE-16046		ISSUE	

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X.XXX +/- 0.001
ANG +/- 1

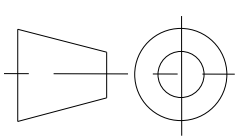

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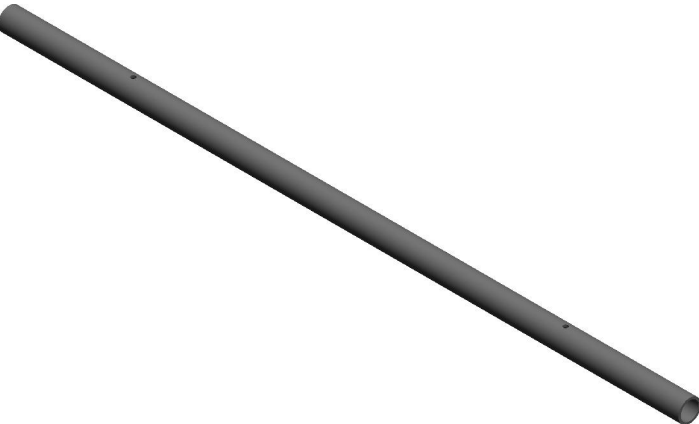




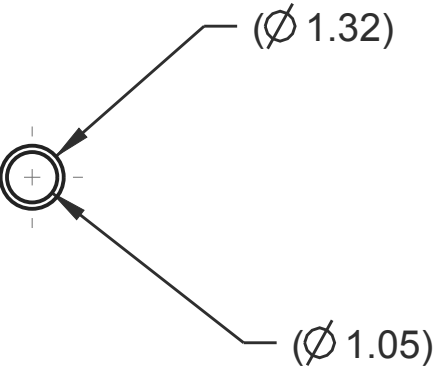
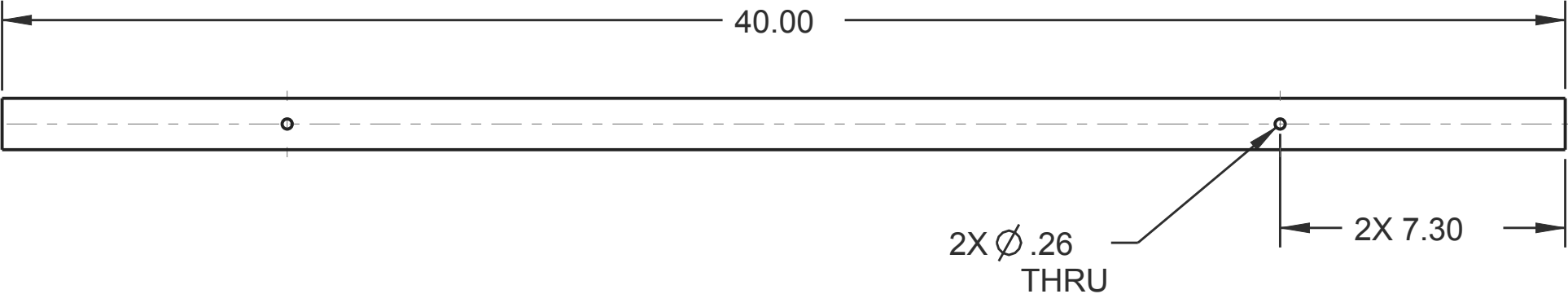
NOTE
Part: DB2_7_ALT
Material: 1.25" Aluminum Schedule 40 Pipe
Qty: 1
Scale 1:1

NOTE
Part: DB2_8
Material: 1.5" Aluminum Square Tubing, .125" Wall
Qty: 1
Scale 1:1

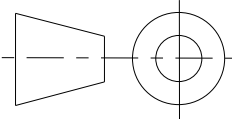
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1	TITLE DB2 ASM 2		SCALE 1:4 SHEET 4 OF 4	
DO NOT SCALE	PROJECT		MODEL NAME GE-16046	ISSUE



SCALE 1:8



NOTES:
1. MATERIAL: 1-1/4" SCHEDULE 40 PIPE, 6061 ALUMINUM
2. REMOVE ALL BURRS AND SHARP EDGES.



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TOLERANCES ARE:
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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

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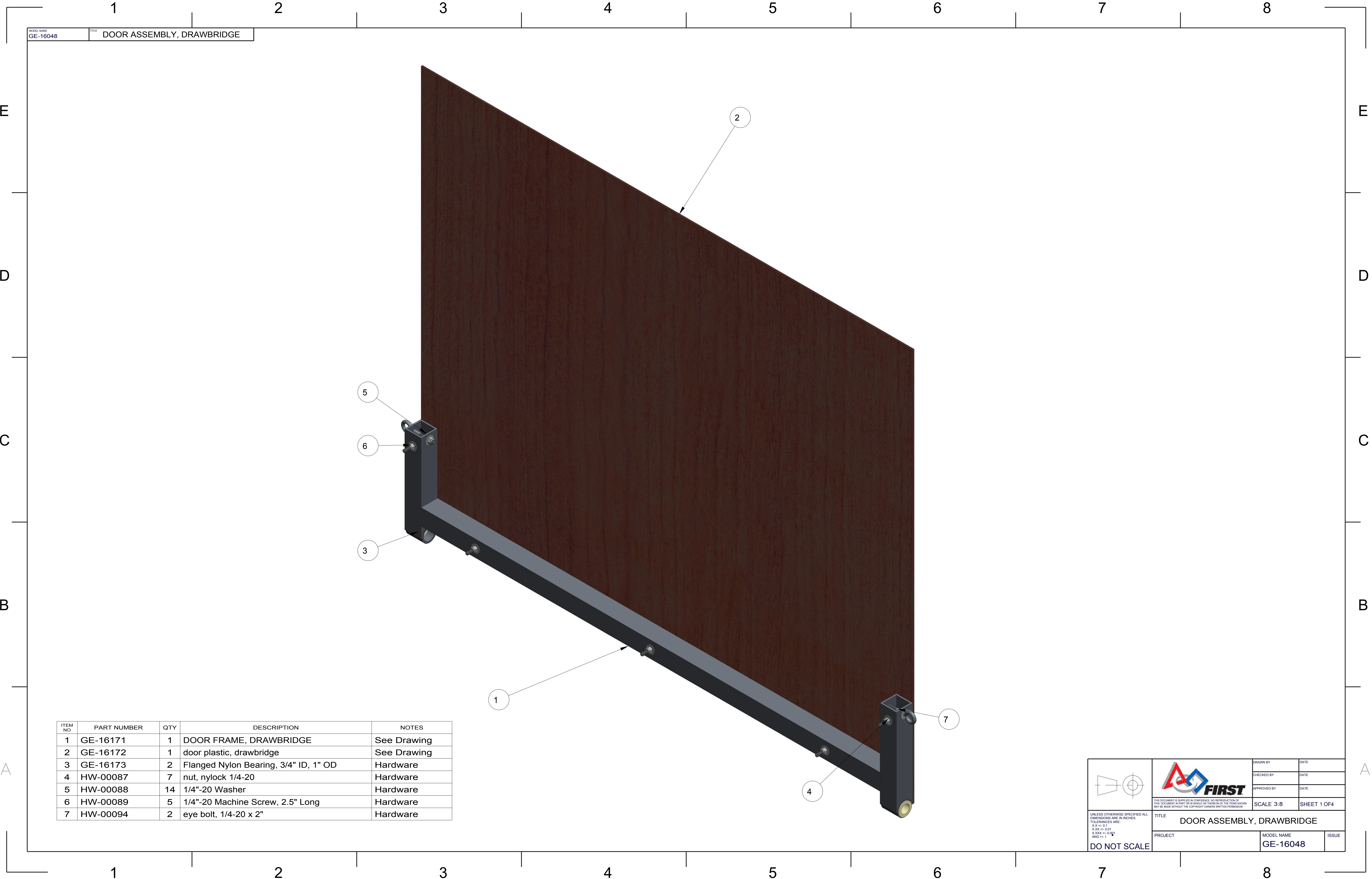
TITLE
TOP BAR DB

PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:4	SHEET 1 OF 1

MODEL NAME
GE-16047


ISSUE



MODEL NAME
GE-16048

TITLE
DOOR ASSEMBLY, DRAWBRIDGE

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16171	1	DOOR FRAME, DRAWBRIDGE	See Drawing
2	GE-16172	1	door plastic, drawbridge	See Drawing
3	GE-16173	2	Flanged Nylon Bearing, 3/4" ID, 1" OD	Hardware
4	HW-00087	7	nut, nylock 1/4-20	Hardware
5	HW-00088	14	1/4"-20 Washer	Hardware
6	HW-00089	5	1/4"-20 Machine Screw, 2.5" Long	Hardware
7	HW-00094	2	eye bolt, 1/4-20 x 2"	Hardware



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X.XX +/- 0.1
X.XXX +/- 0.01
ANG +/- 1

DO NOT SCALE

TITLE
DOOR ASSEMBLY, DRAWBRIDGE

PROJECT

MODEL NAME
GE-16048

ISSUE

DRAWN BY

CHECKED BY

APPROVED BY

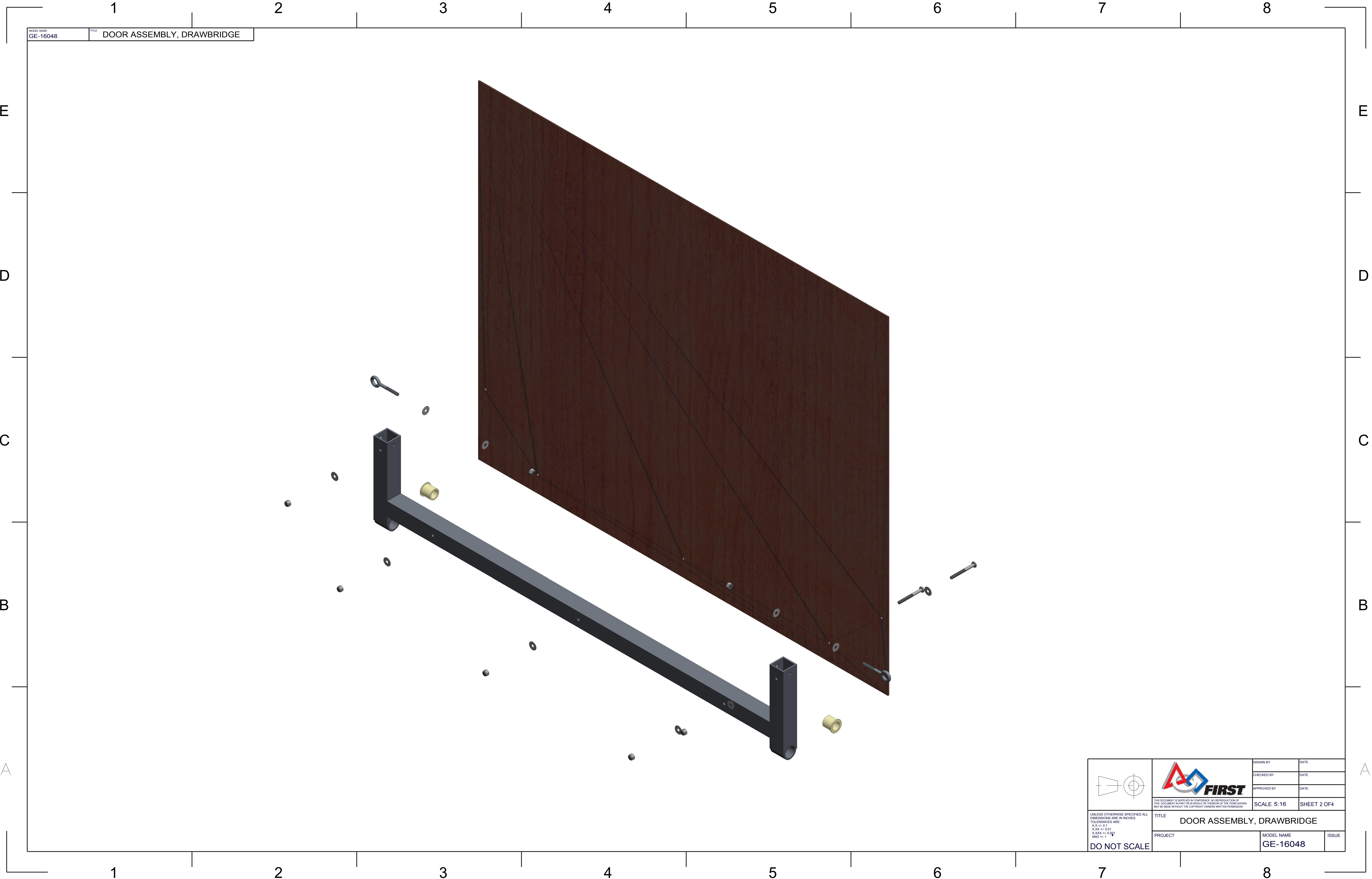
SCALE 3:8

SHEET 1 OF 4

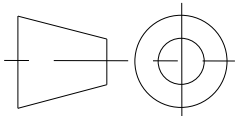

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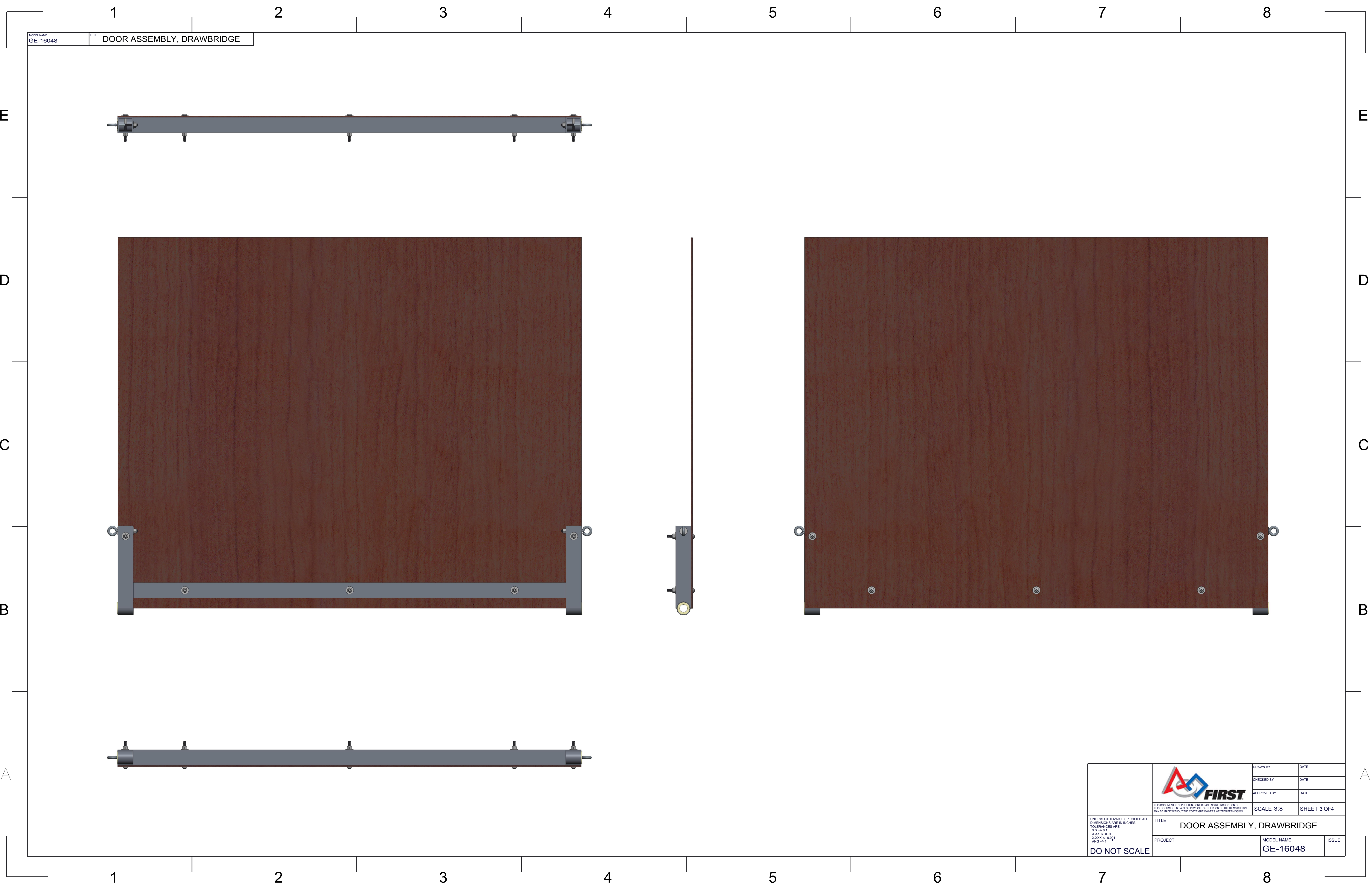
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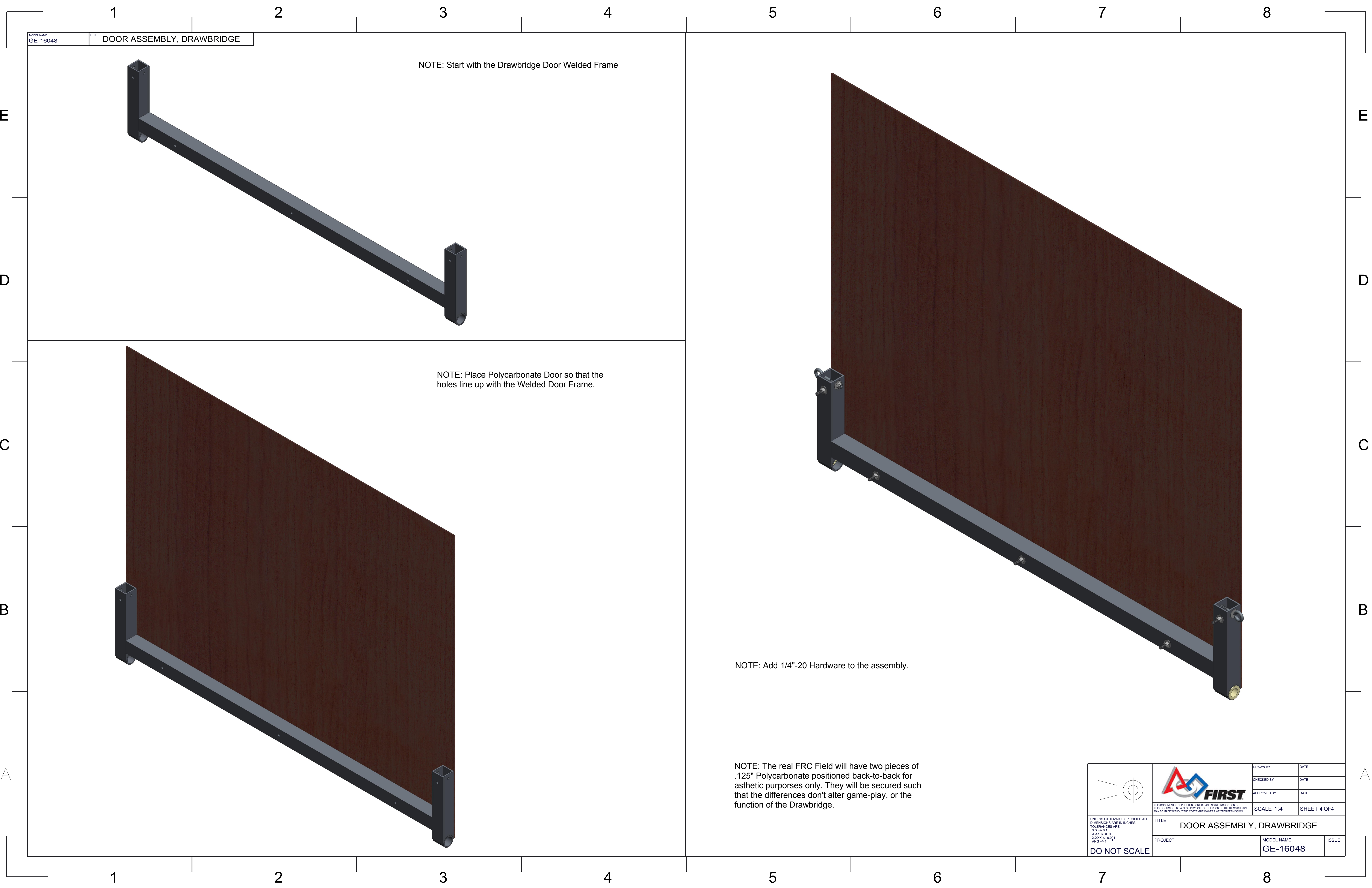
MODEL NAME GE-16048	TITLE DOOR ASSEMBLY, DRAWBRIDGE
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		TITLE DOOR ASSEMBLY, DRAWBRIDGE	
PROJECT		MODEL NAME GE-16048	ISSUE



MODEL NAME: GE-16048
TITLE: DOOR ASSEMBLY, DRAWBRIDGE

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		CHECKED BY	DATE		
		APPROVED BY	DATE		
		SCALE 3:8		SHEET 3 OF 4	
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TITLE		DOOR ASSEMBLY, DRAWBRIDGE			
PROJECT	MODEL NAME		ISSUE		
		GE-16048			
DO NOT SCALE					



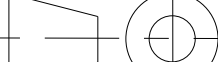

MODEL NAME: GE-16048
TITLE: DOOR ASSEMBLY, DRAWBRIDGE

NOTE: Start with the Drawbridge Door Welded Frame

NOTE: Place Polycarbonate Door so that the holes line up with the Welded Door Frame.

NOTE: Add 1/4"-20 Hardware to the assembly.

NOTE: The real FRC Field will have two pieces of .125" Polycarbonate positioned back-to-back for asthetic purposes only. They will be secured such that the differences don't alter game-play, or the function of the Drawbridge.

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		SCALE 1:4	SHEET 4 OF 4
TITLE DOOR ASSEMBLY, DRAWBRIDGE		PROJECT	MODEL NAME GE-16048
		ISSUE	

D

C

B

A

D

C

B

A

MODEL NAME	TITLE
GE-16049	DRAWBRIDGE SIDE POLY

68.00
2X 66.00

2X 52.13
2X 50.13

2X 17.25
16.75
15.75
2X 15.25

2X 1.00
.00

18.00
16.50
6X 16.00
12.50

5.50
6X 2.00
1.50
.00

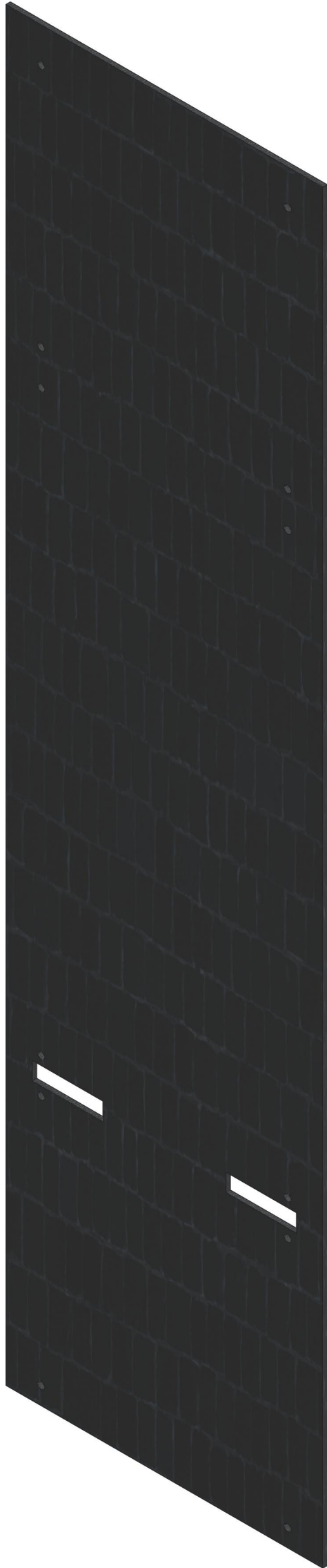
12X Ø .38 Thru


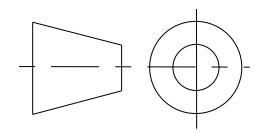
(.25)

NOTE:

Material: Clear Polycarbonate, .25" Thick
Scale 3:16
Qty: 1

Print to look like stone.

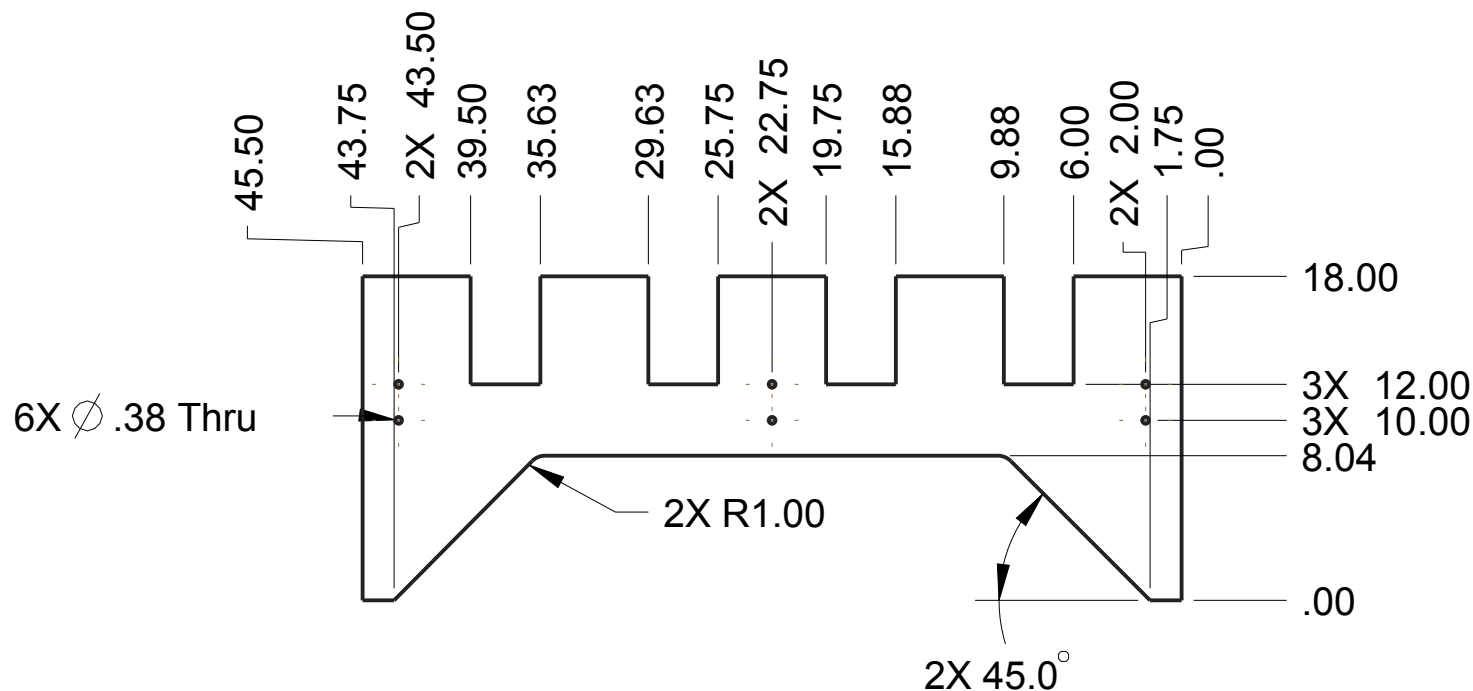


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	CHECKED BY		DATE
	APPROVED BY		DATE
	SCALE 3:16		SHEET 1 OF 1
 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1</small> DO NOT SCALE	TITLE DRAWBRIDGE SIDE POLY		
	PROJECT		MODEL NAME GE-16049
			ISSUE

MODEL NAME
GE-16050

TITLE


DRAWBRIDGE CRENELATIONS



NOTE:

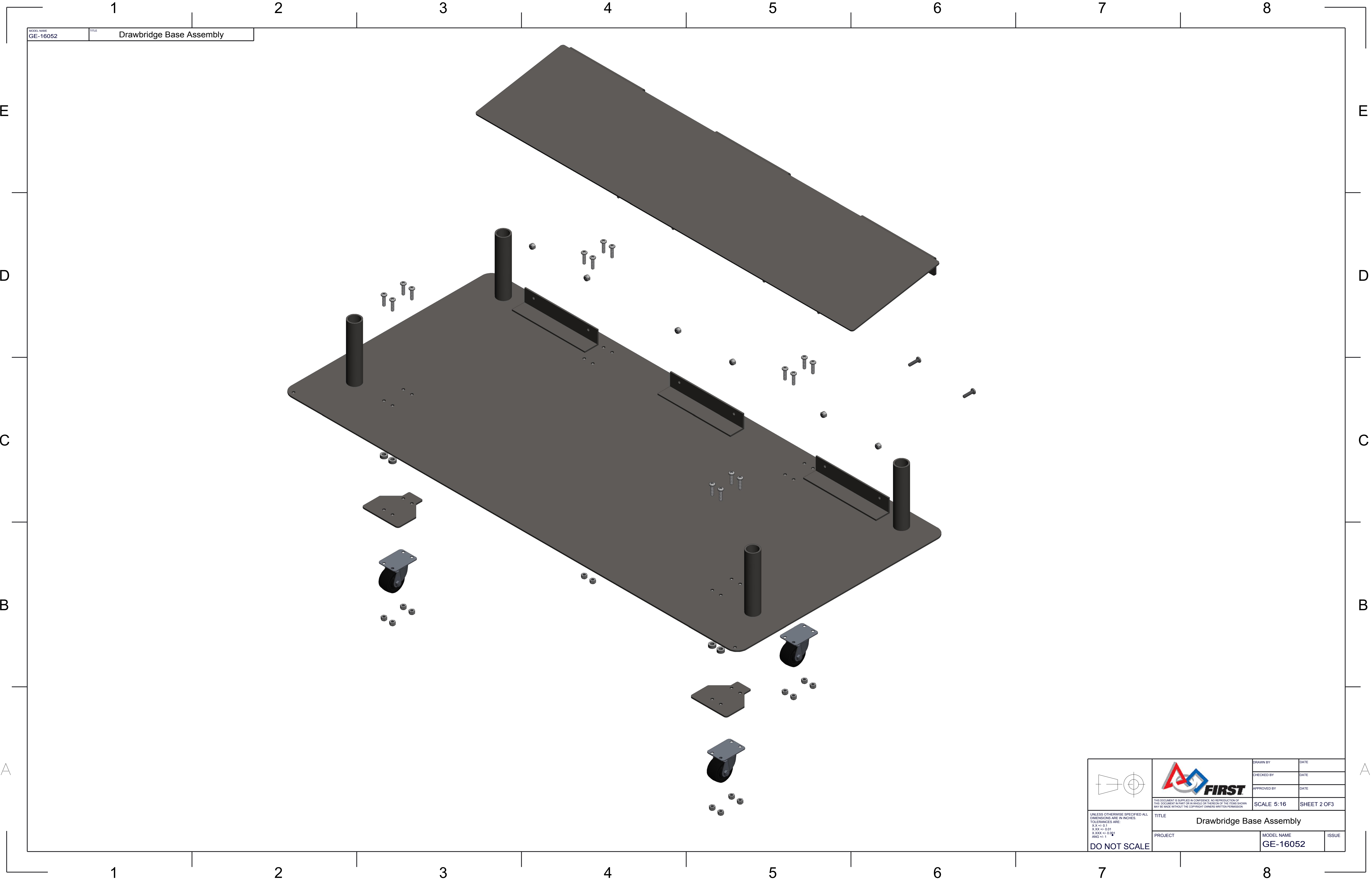
Material: Clear Polycarbonate, .25" Thick
Scale: 3:32
Qty:1

Print to look like stone



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	SCALE3:32	SHEET 1 OF 1
TITLE DRAWBRIDGE CRENELATIONS		
PROJECT		MODEL NAME GE-16050
ISSUE		

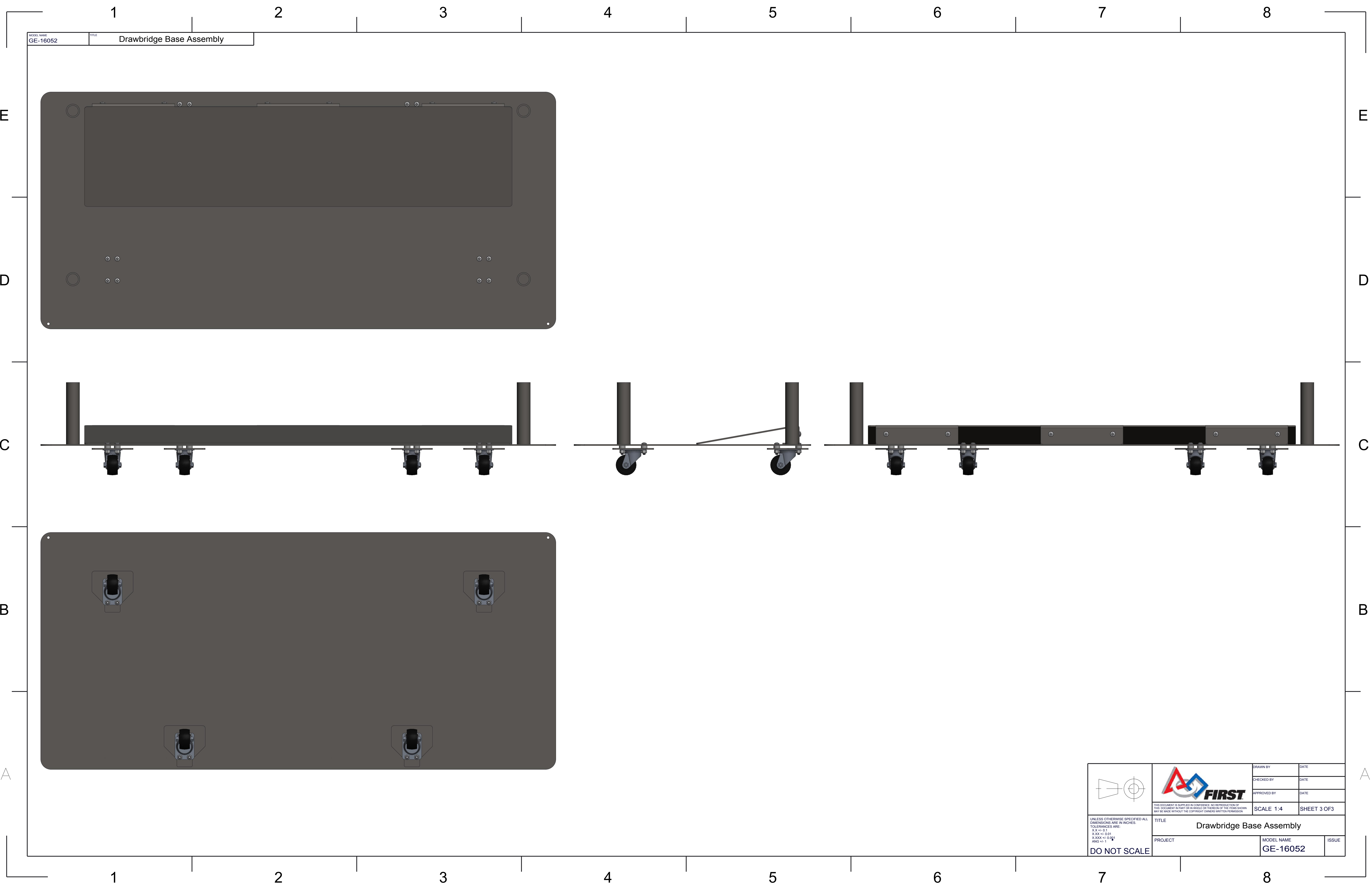
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TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

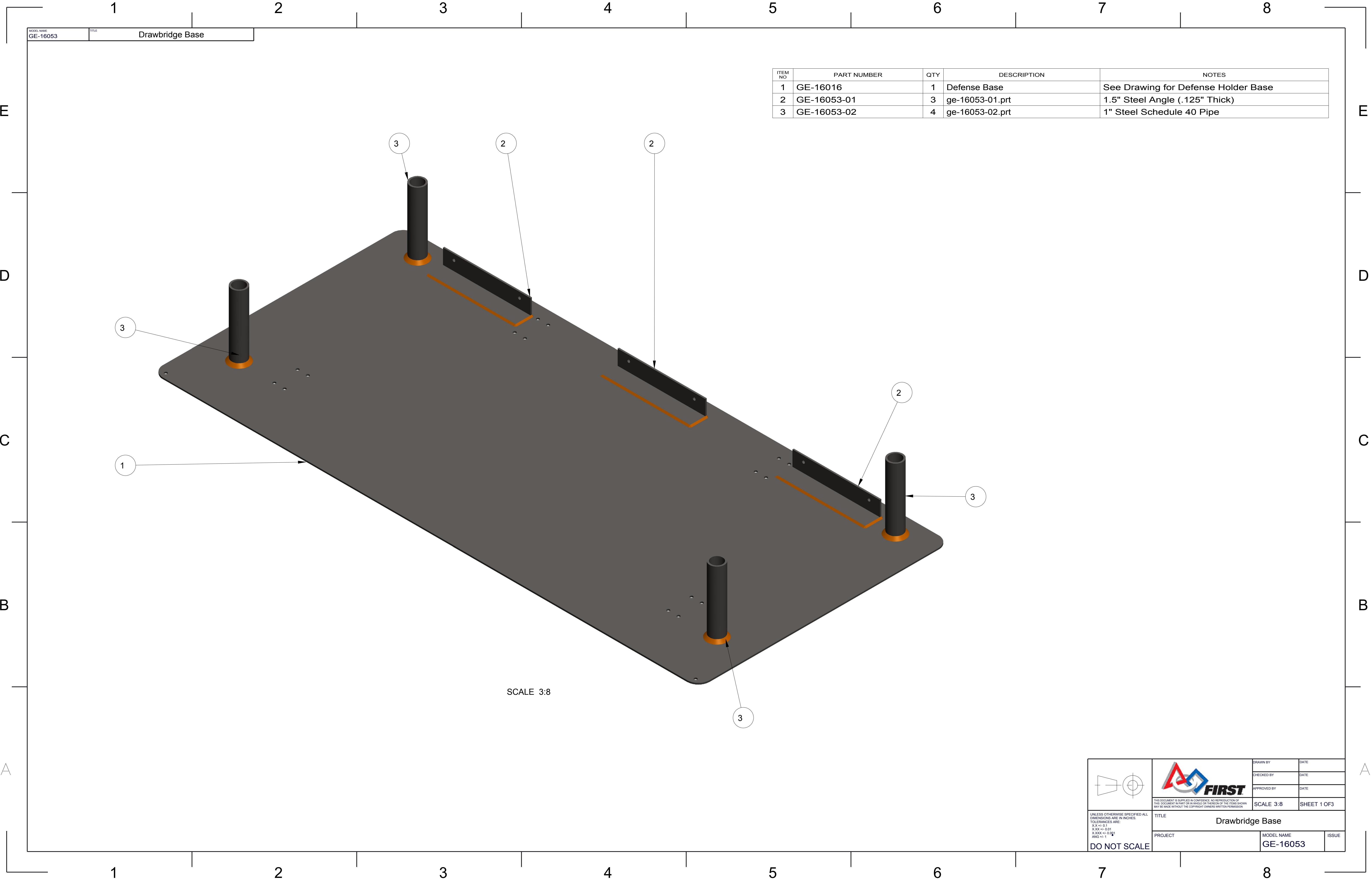
DO NOT SCALE



MODEL NAME	TITLE
GE-16052	Drawbridge Base Assembly

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		APPROVED BY	DATE	
		SCALE 5:16		SHEET 2 OF 3
TITLE Drawbridge Base Assembly				
PROJECT		MODEL NAME		ISSUE
		GE-16052		





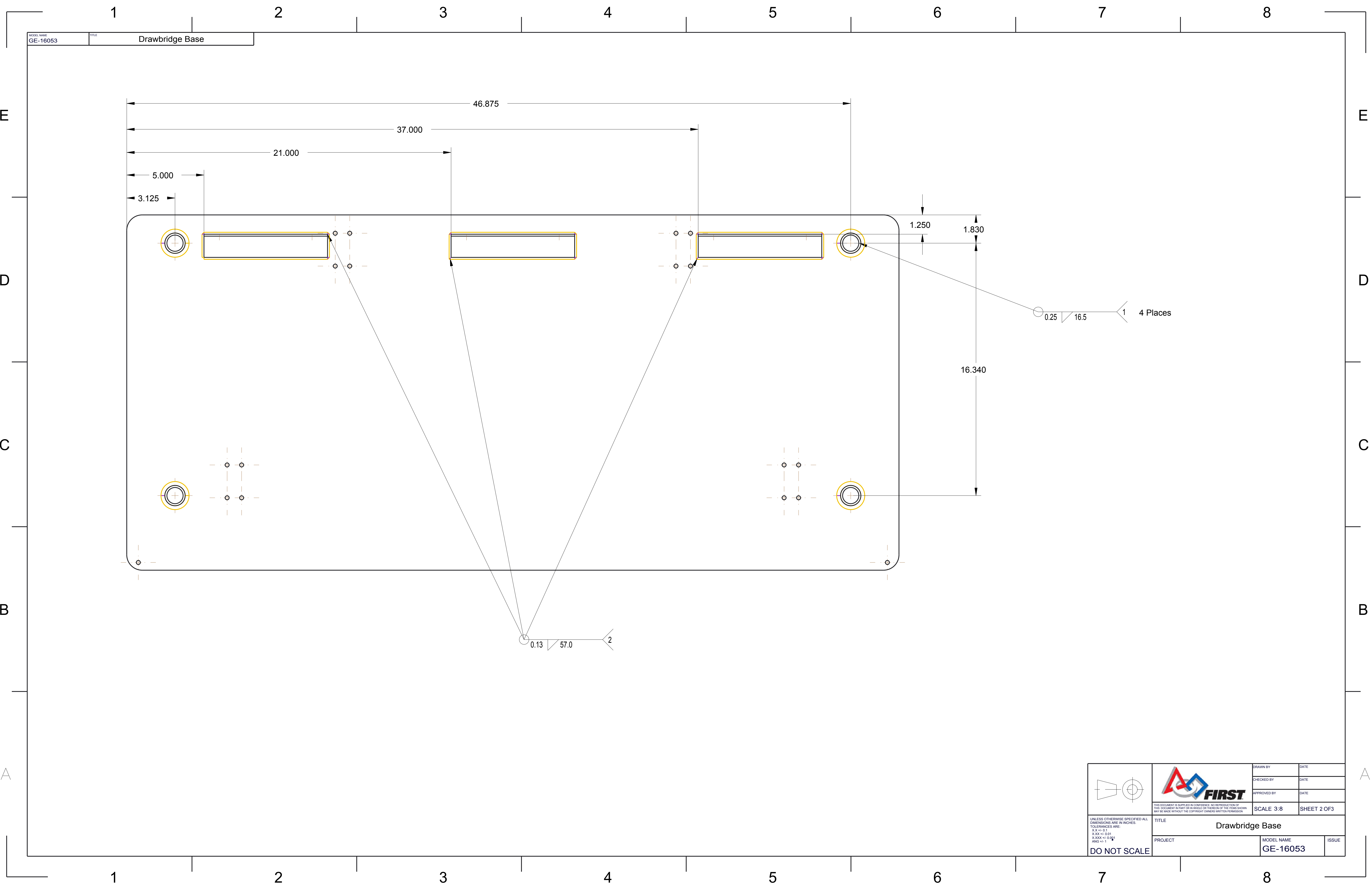
ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16016	1	Defense Base	See Drawing for Defense Holder Base
2	GE-16053-01	3	ge-16053-01.prt	1.5" Steel Angle (.125" Thick)
3	GE-16053-02	4	ge-16053-02.prt	1" Steel Schedule 40 Pipe

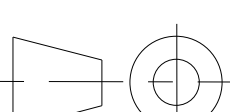

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
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XXX ±.01
X.XXX ±.001
ANG ±.1

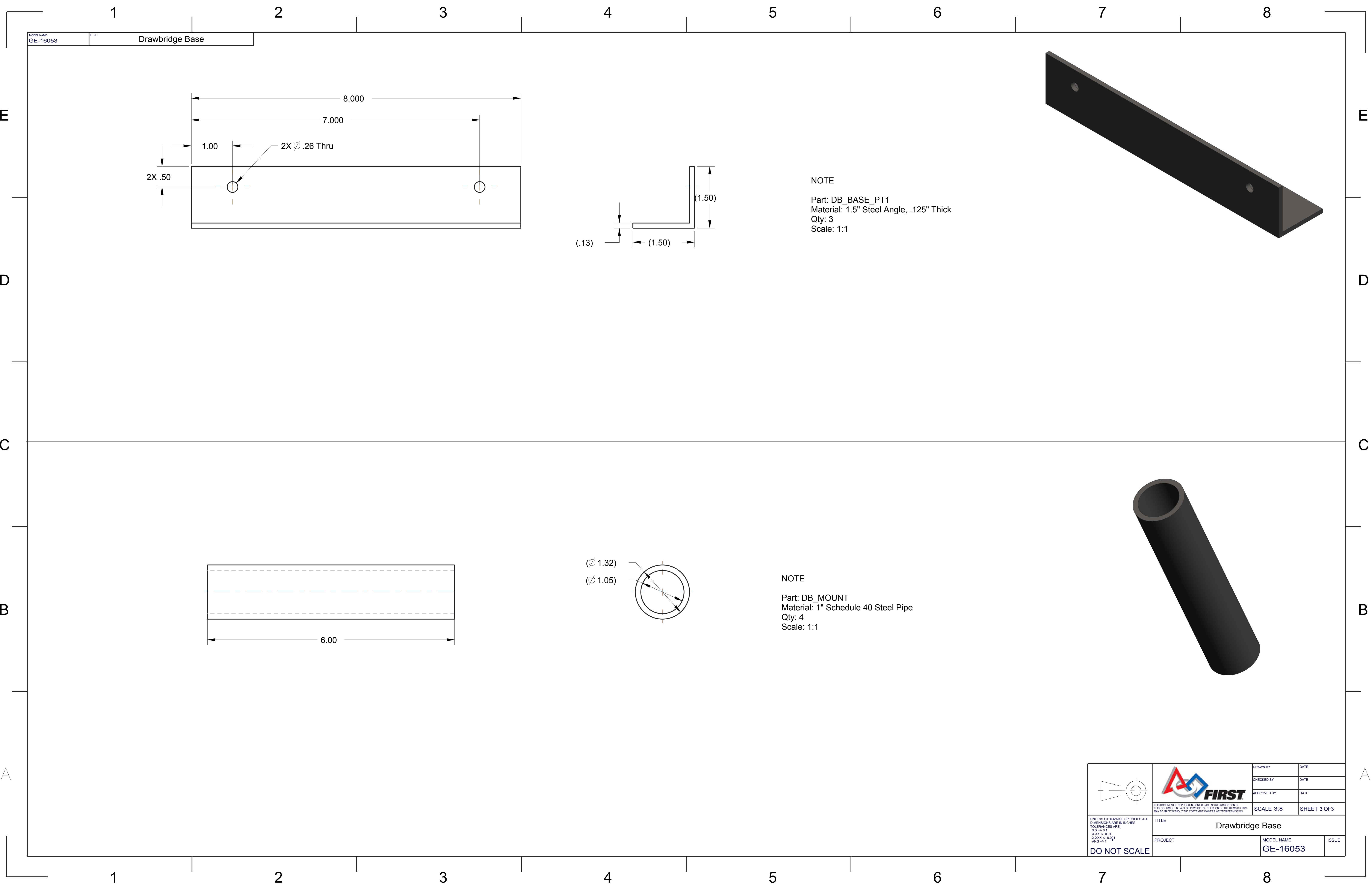
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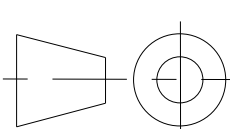

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SCALE 3:8 SHEET 1 OF 3	

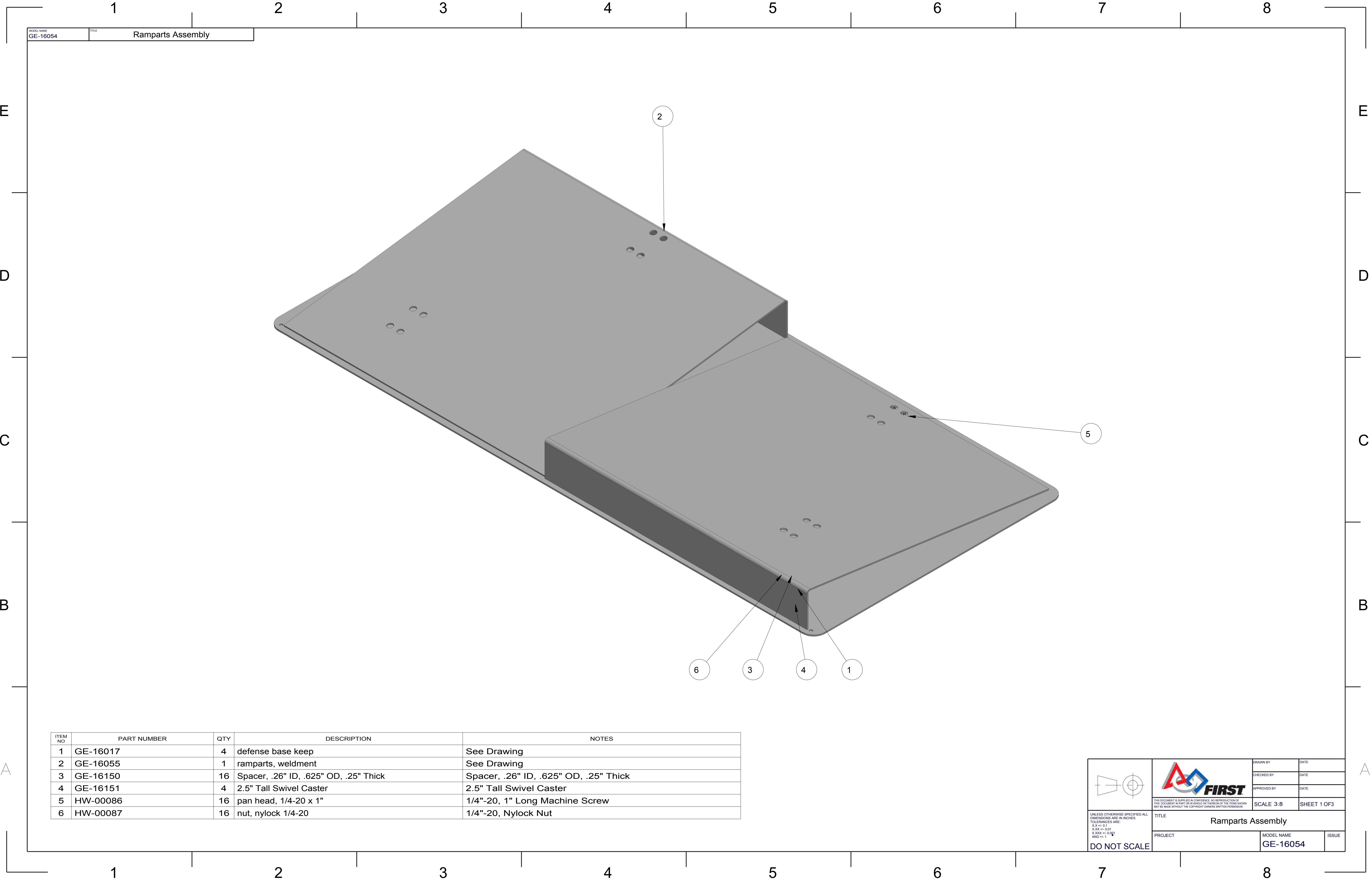
TITLE Drawbridge Base	
PROJECT	MODEL NAME GE-16053
ISSUE	



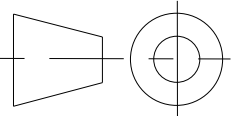
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		SCALE 3:8	
TITLE		Drawbridge Base	
PROJECT	MODEL NAME		ISSUE
	GE-16053		



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		CHECKED BY	DATE		
		APPROVED BY	DATE		
		SCALE 3:8		SHEET 3 OF 3	
TITLE		Drawbridge Base			
PROJECT		MODEL NAME		ISSUE	
		GE-16053			




ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16017	4	defense base keep	See Drawing
2	GE-16055	1	ramparts, weldment	See Drawing
3	GE-16150	16	Spacer, .26" ID, .625" OD, .25" Thick	Spacer, .26" ID, .625" OD, .25" Thick
4	GE-16151	4	2.5" Tall Swivel Caster	2.5" Tall Swivel Caster
5	HW-00086	16	pan head, 1/4-20 x 1"	1/4"-20, 1" Long Machine Screw
6	HW-00087	16	nut, nylock 1/4-20	1/4"-20, Nylock Nut



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X.XX +/- 0.1
X.XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

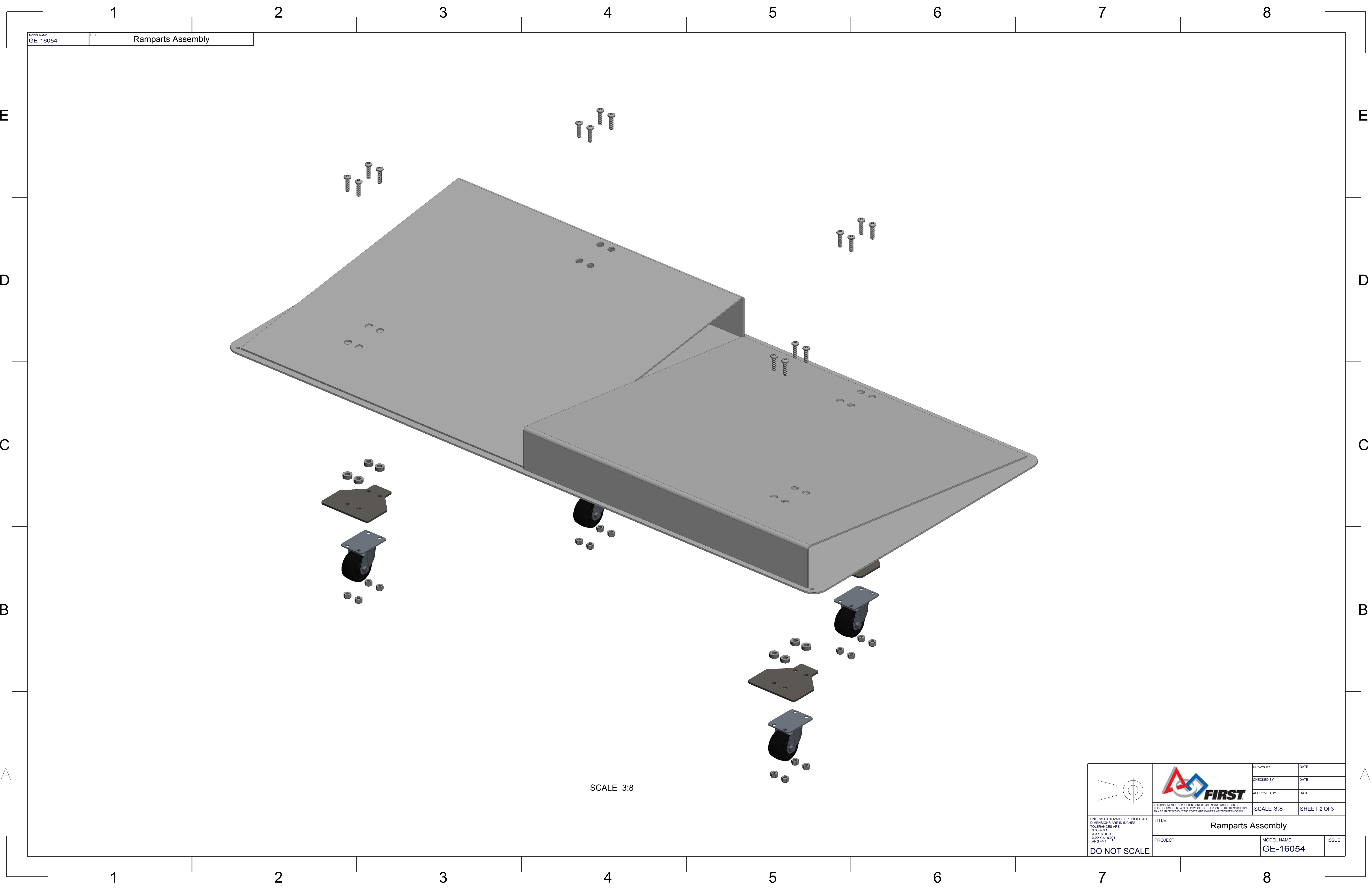


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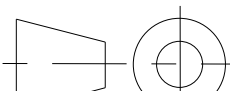

TITLE
Ramparts Assembly

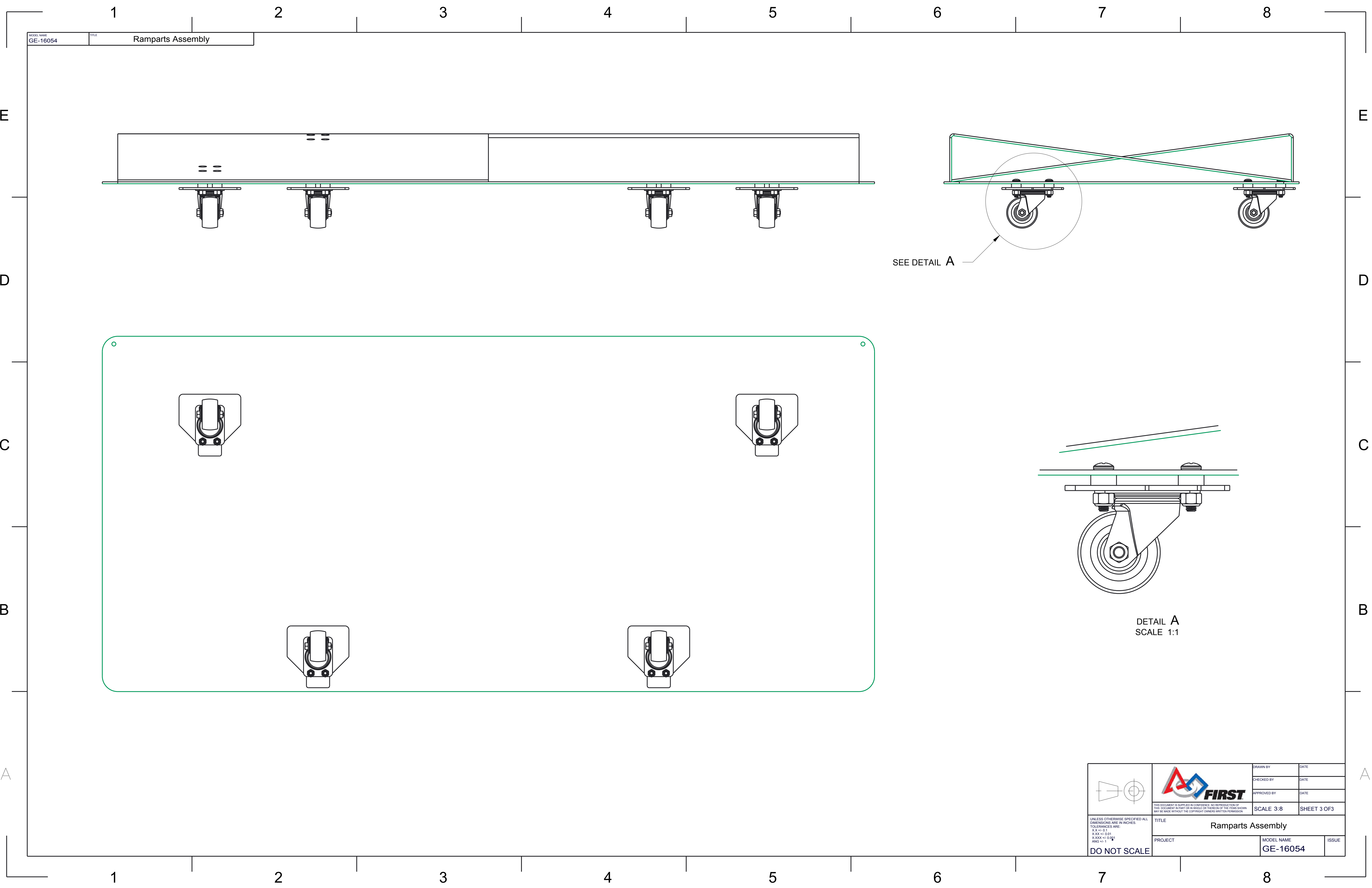
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SCALE 3:8	SHEET 1 OF 3
MODEL NAME GE-16054	ISSUE



SCALE 3:8

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TITLE Ramparts Assembly			
PROJECT	MODEL NAME GE-16054		ISSUE

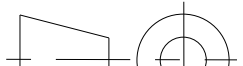



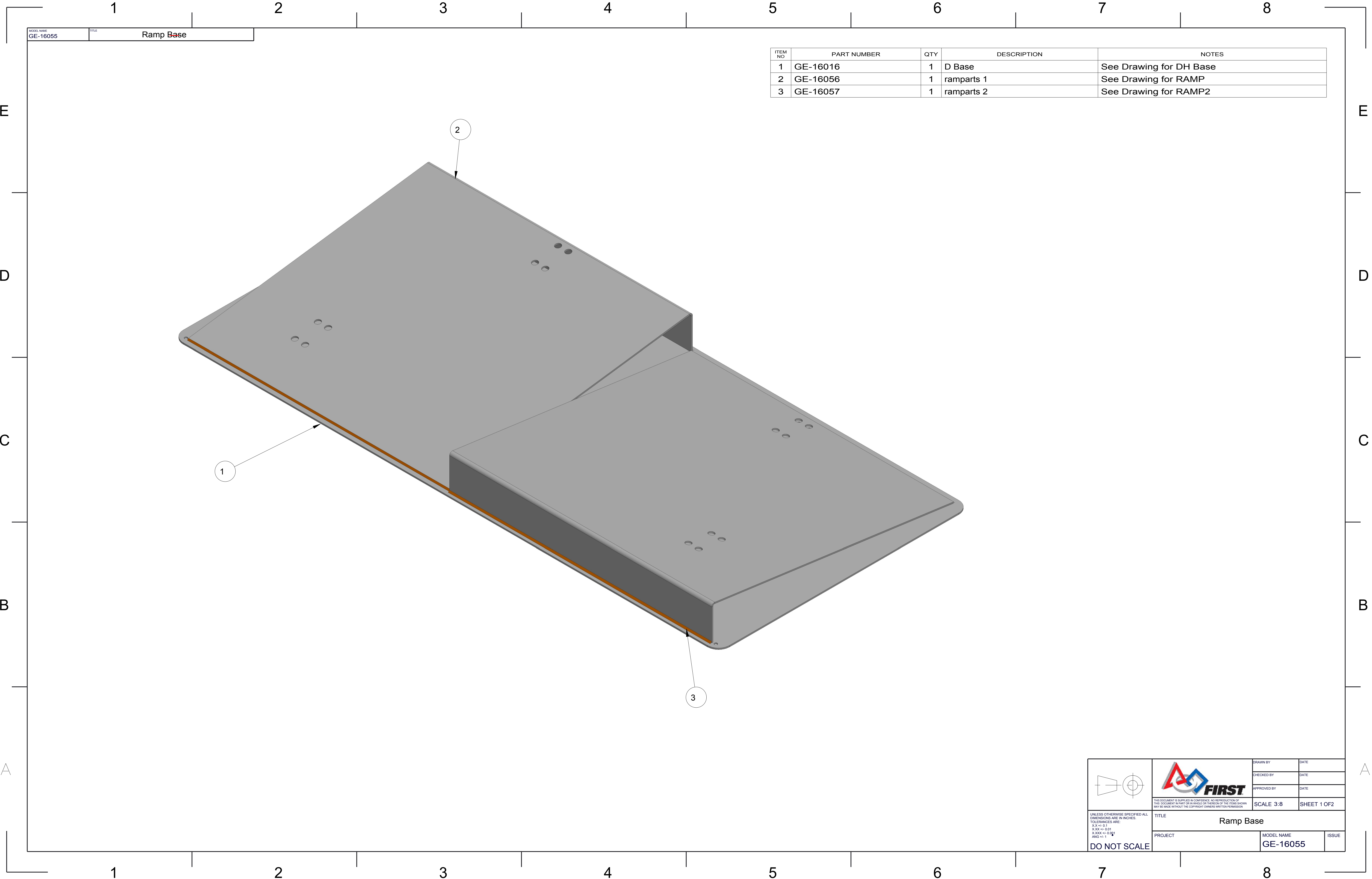
MODEL NAME
GE-16054

TITLE
Ramparts Assembly

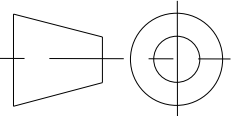
SEE DETAIL A

DETAIL A
SCALE 1:1

	 FIRST	DRAWN BY	DATE
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		SCALE 3:8	
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.XX +/- 0.1 X.XXX +/- 0.01 ANG +/- 1		TITLE Ramparts Assembly	
PROJECT		MODEL NAME GE-16054	ISSUE
DO NOT SCALE			




ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16016	1	D Base	See Drawing for DH Base
2	GE-16056	1	ramparts 1	See Drawing for RAMP
3	GE-16057	1	ramparts 2	See Drawing for RAMP2



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X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

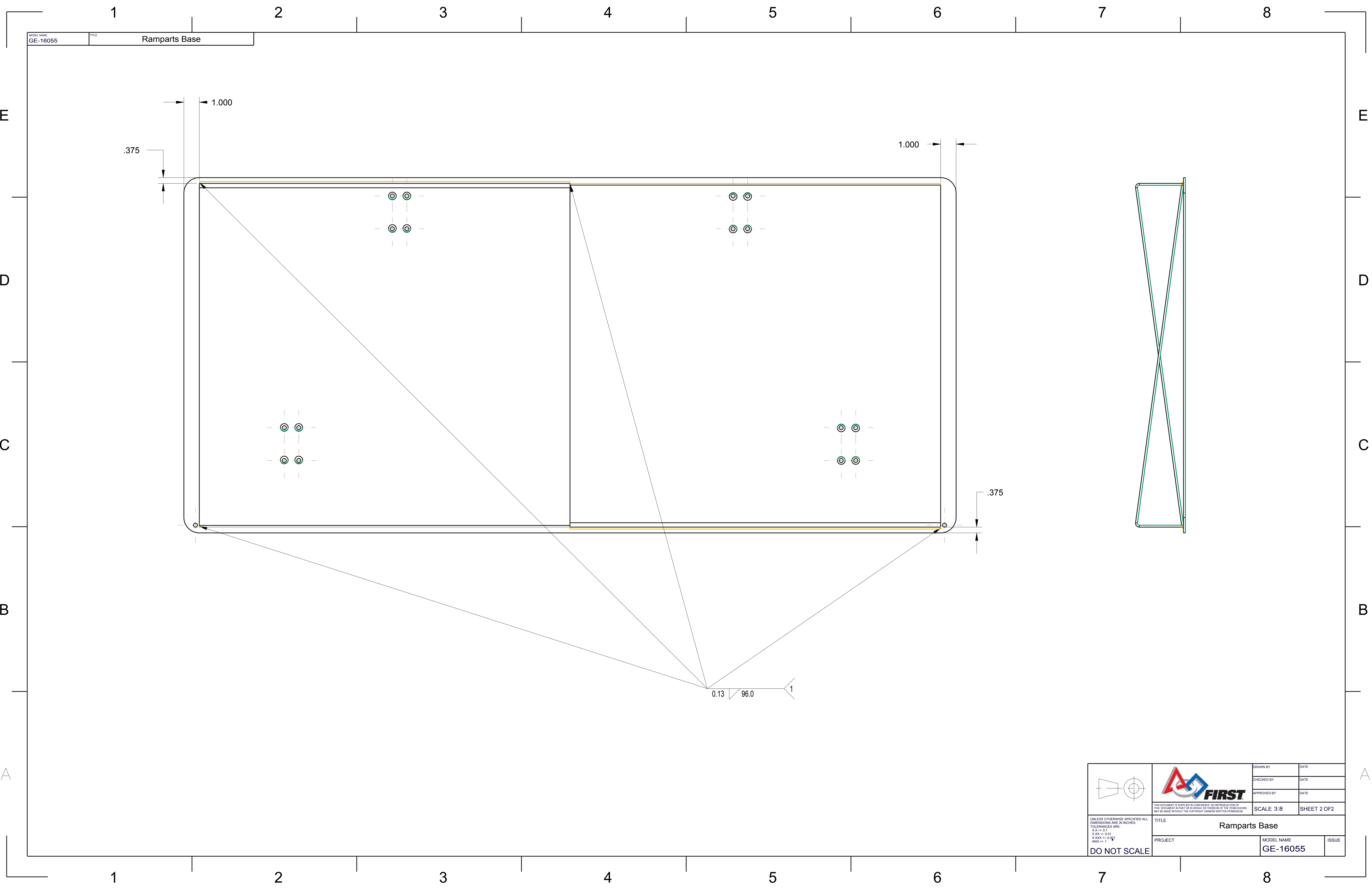
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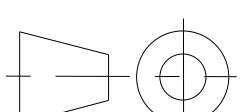



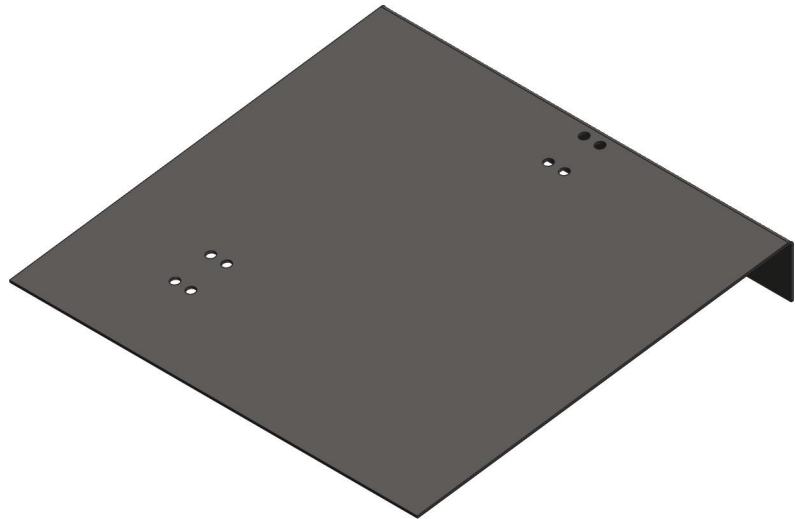
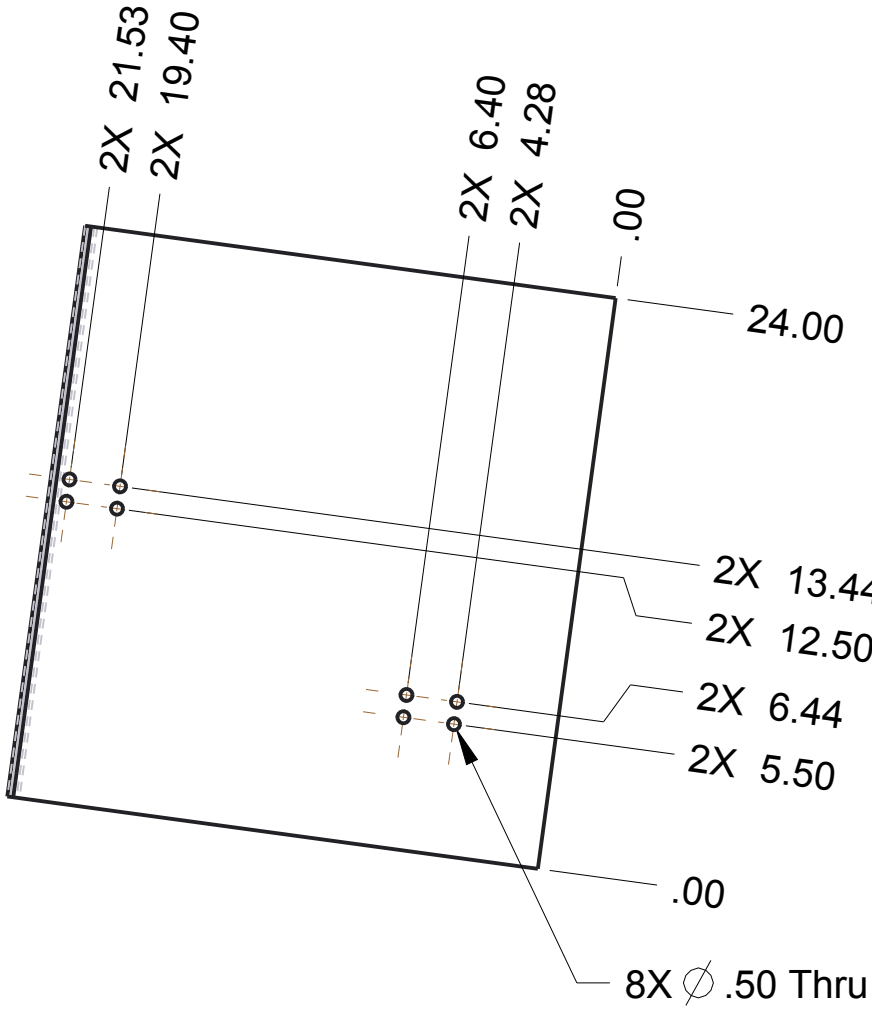
TITLE
Ramp Base

PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 3:8	
SHEET 1 OF2	
MODEL NAME	ISSUE
GE-16055	



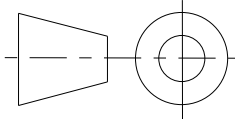
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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 3:8	SHEET 2 OF 2
TITLE		Ramparts Base	
PROJECT	MODEL NAME		ISSUE
	GE-16055		



NOTE

Material: Steel Sheet, .125" Thick
Scale: 1:8

Remove all burrs and sharp edges



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X.XX +/- 0.01
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TITLE
Ramparts

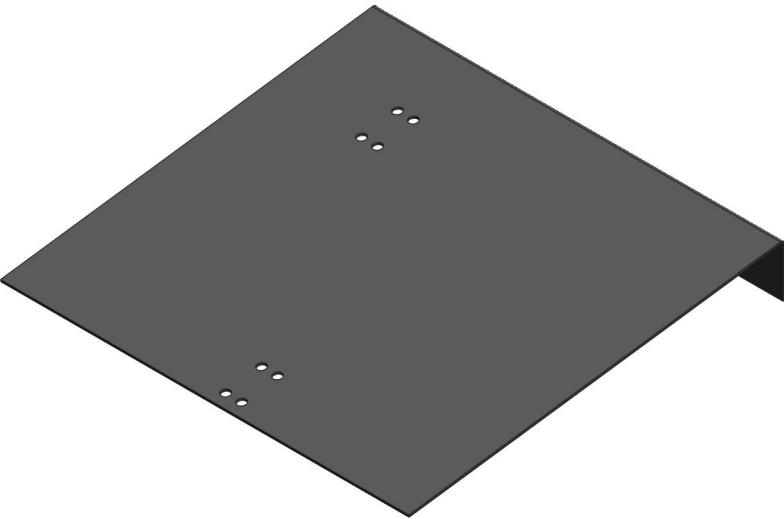
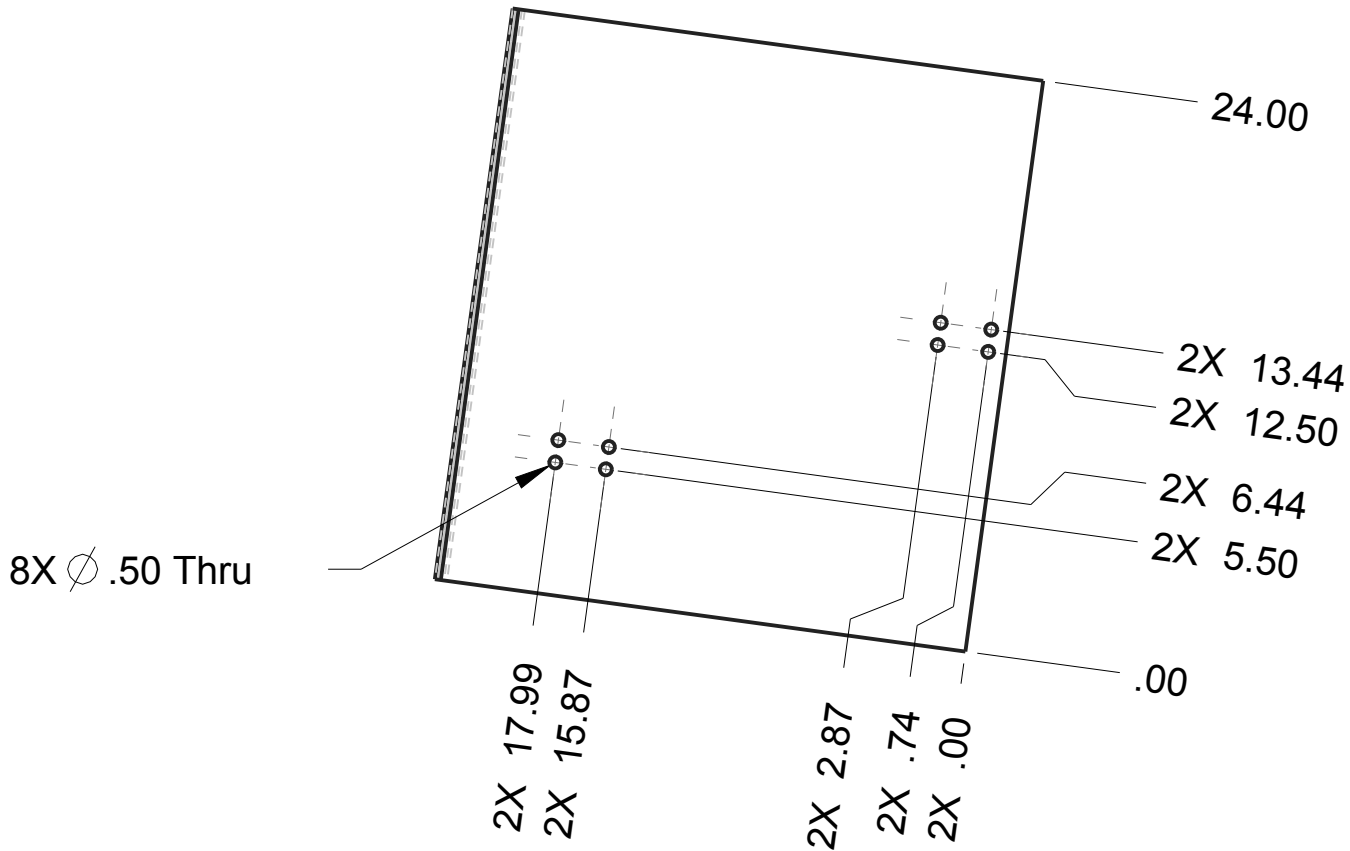
PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

SCALE 1:8
SHEET 1 OF 1

MODEL NAME
GE-16056

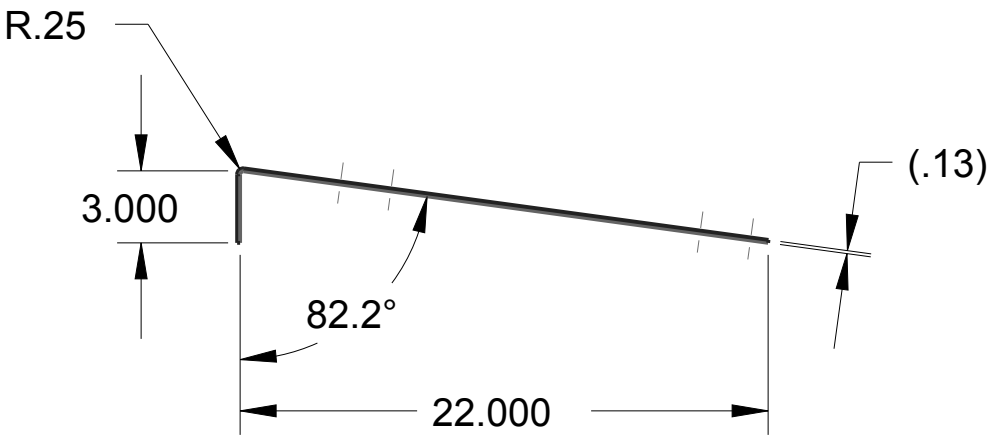
ISSUE

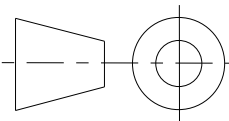



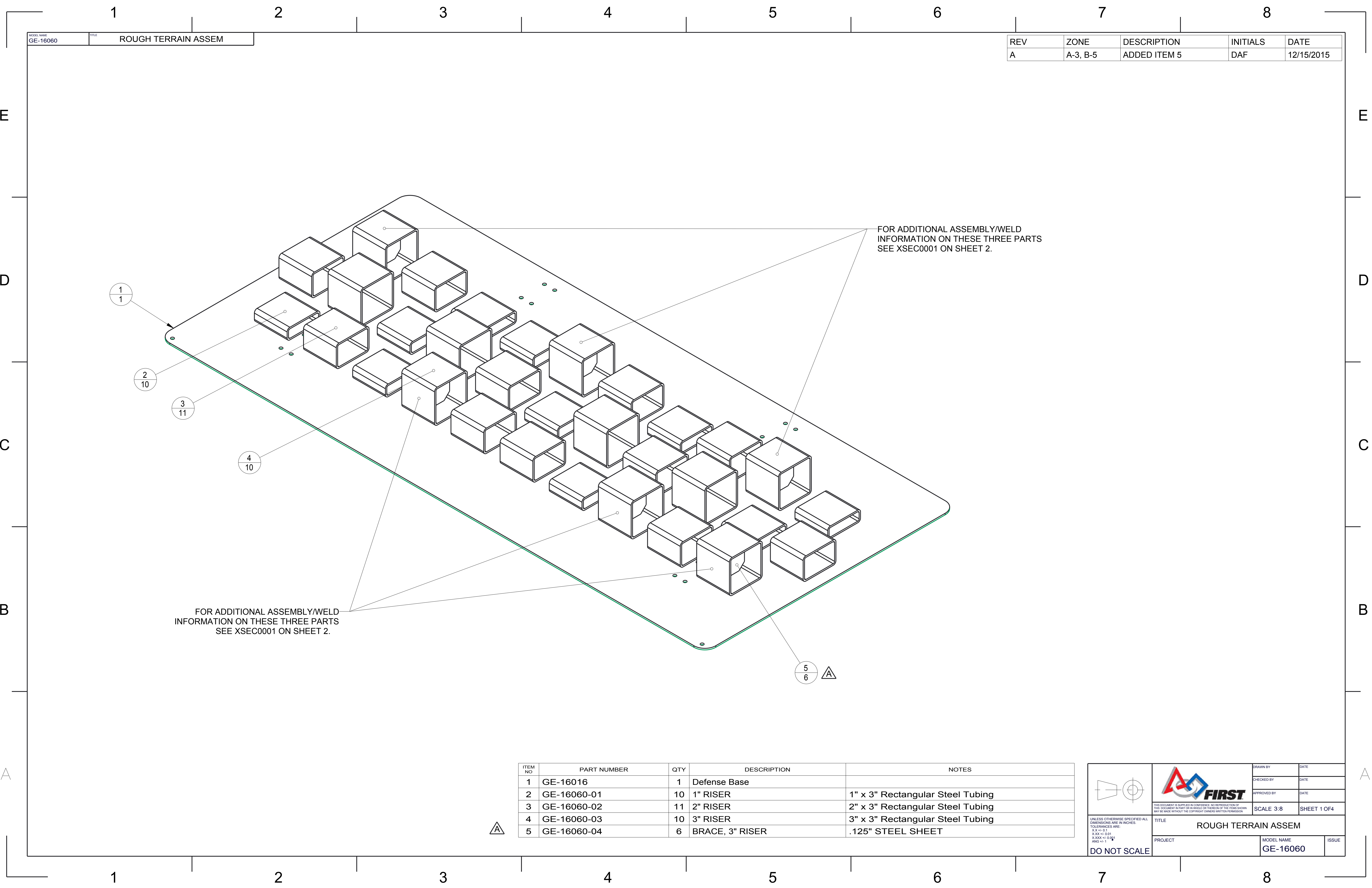
NOTE

Material: Steel Sheet, .125" Thick
Scale: 1:8

Remove all burrs and sharp edges



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	PROJECT	MODEL NAME GE-16057	ISSUE
	DO NOT SCALE		



MODEL NAME	TITLE
GE-16060	ROUGH TERRAIN ASSEM

REV	ZONE	DESCRIPTION	INITIALS	DATE
A	A-3, B-5	ADDED ITEM 5	DAF	12/15/2015

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16016	1	Defense Base	
2	GE-16060-01	10	1" RISER	1" x 3" Rectangular Steel Tubing
3	GE-16060-02	11	2" RISER	2" x 3" Rectangular Steel Tubing
4	GE-16060-03	10	3" RISER	3" x 3" Rectangular Steel Tubing
5	GE-16060-04	6	BRACE, 3" RISER	.125" STEEL SHEET

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

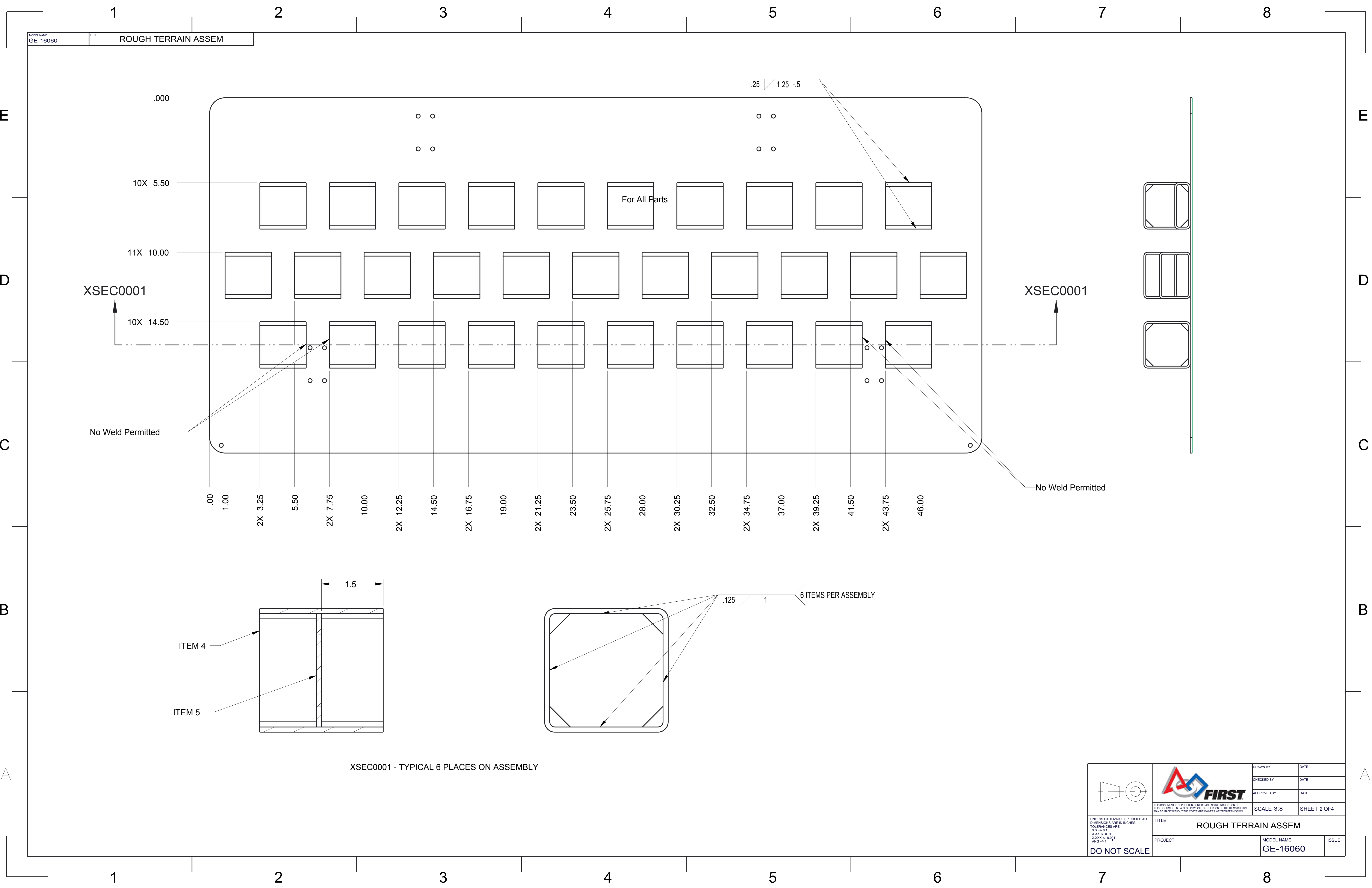
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.XX +/- 0.1
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

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TITLE ROUGH TERRAIN ASSEM	
PROJECT	MODEL NAME GE-16060
ISSUE SHEET 1 OF 4	

SCALE 3:8	SHEET 1 OF 4
-----------	--------------



MODEL NAME
GE-16060

TITLE
ROUGH TERRAIN ASSEM

.000

10X 5.50

11X 10.00

XSEC0001

10X 14.50

No Weld Permitted

XSEC0001

No Weld Permitted



ITEM 4

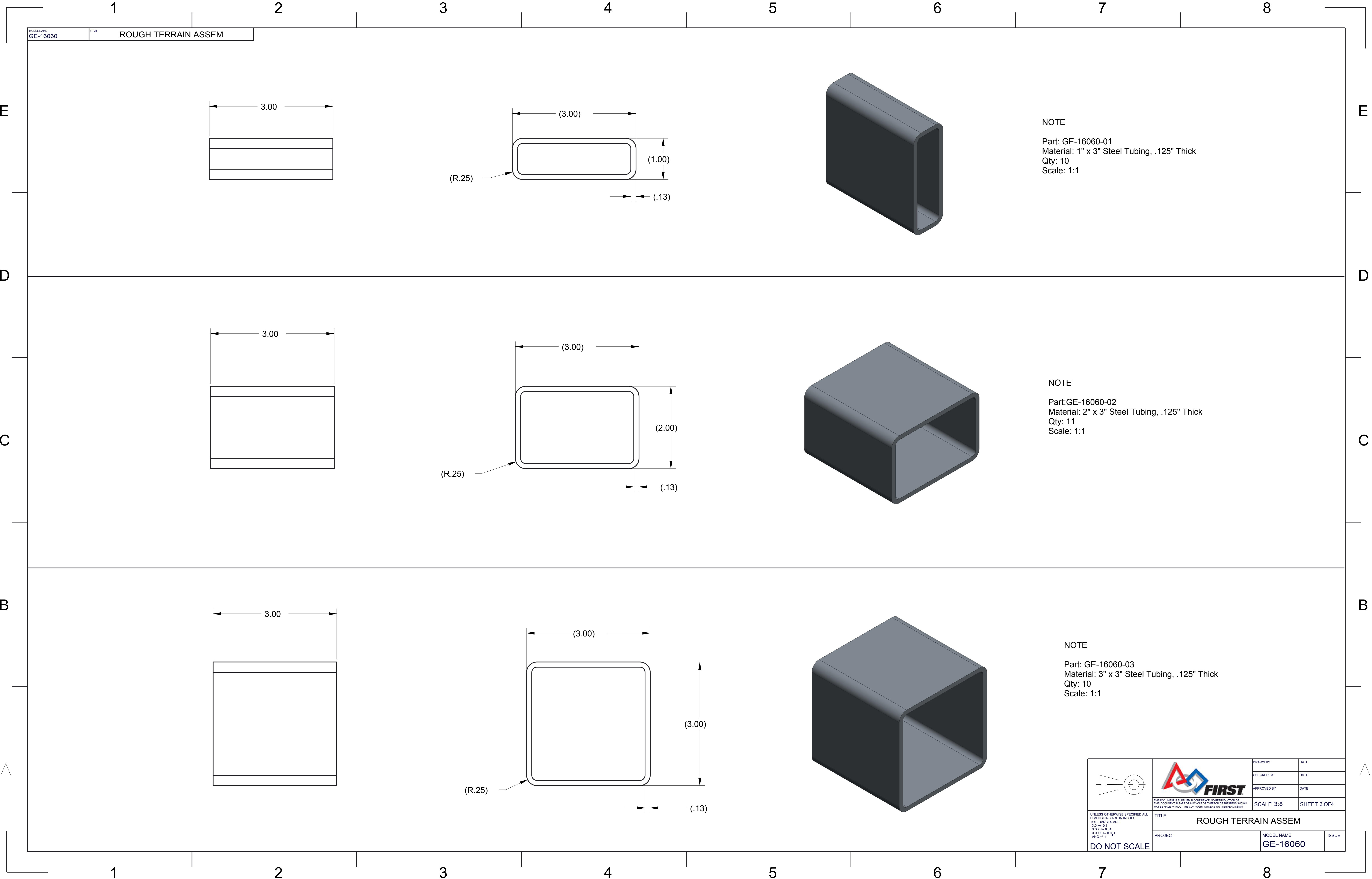
ITEM 5

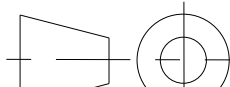

XSEC0001 - TYPICAL 6 PLACES ON ASSEMBLY

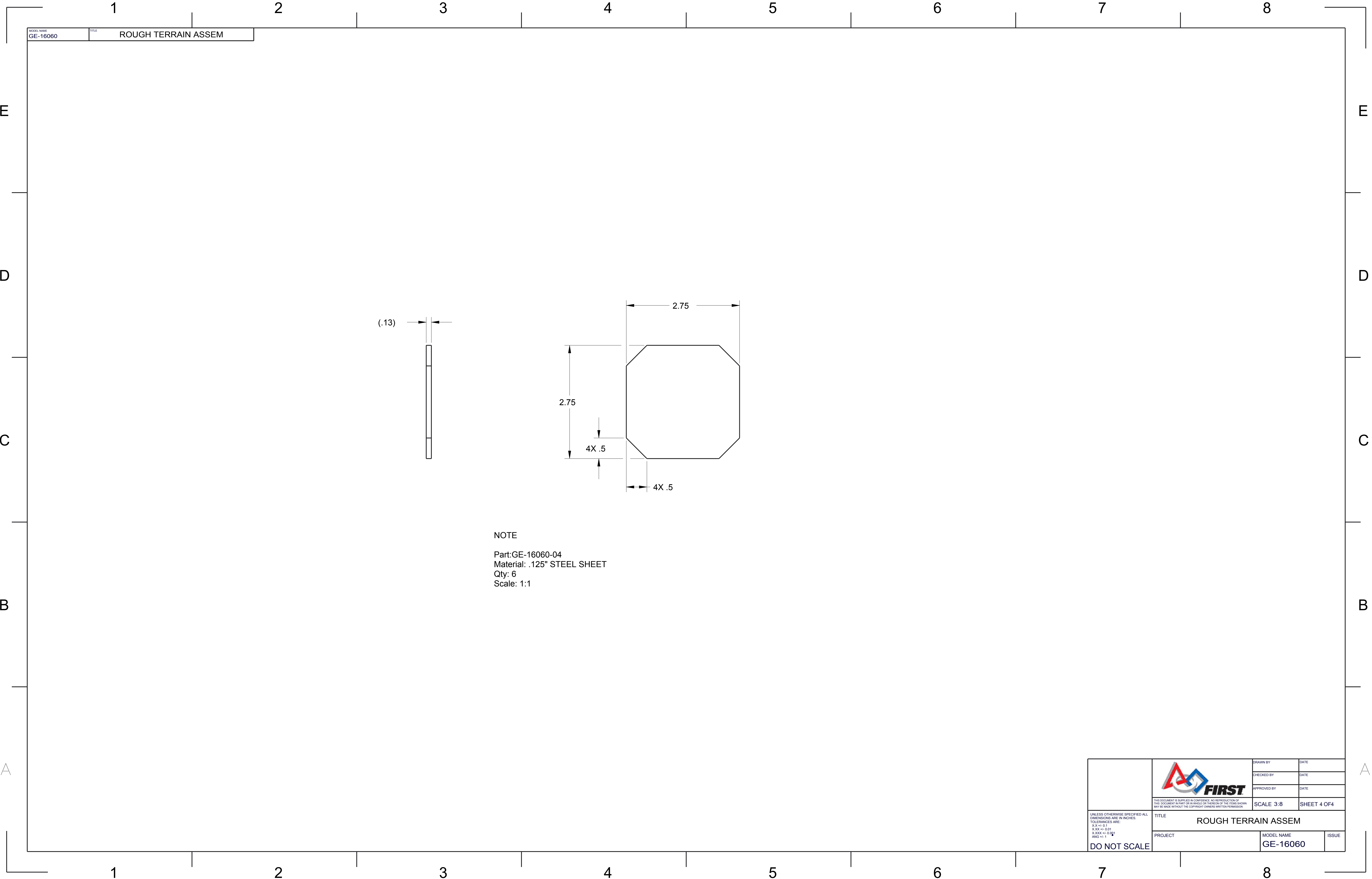
For All Parts

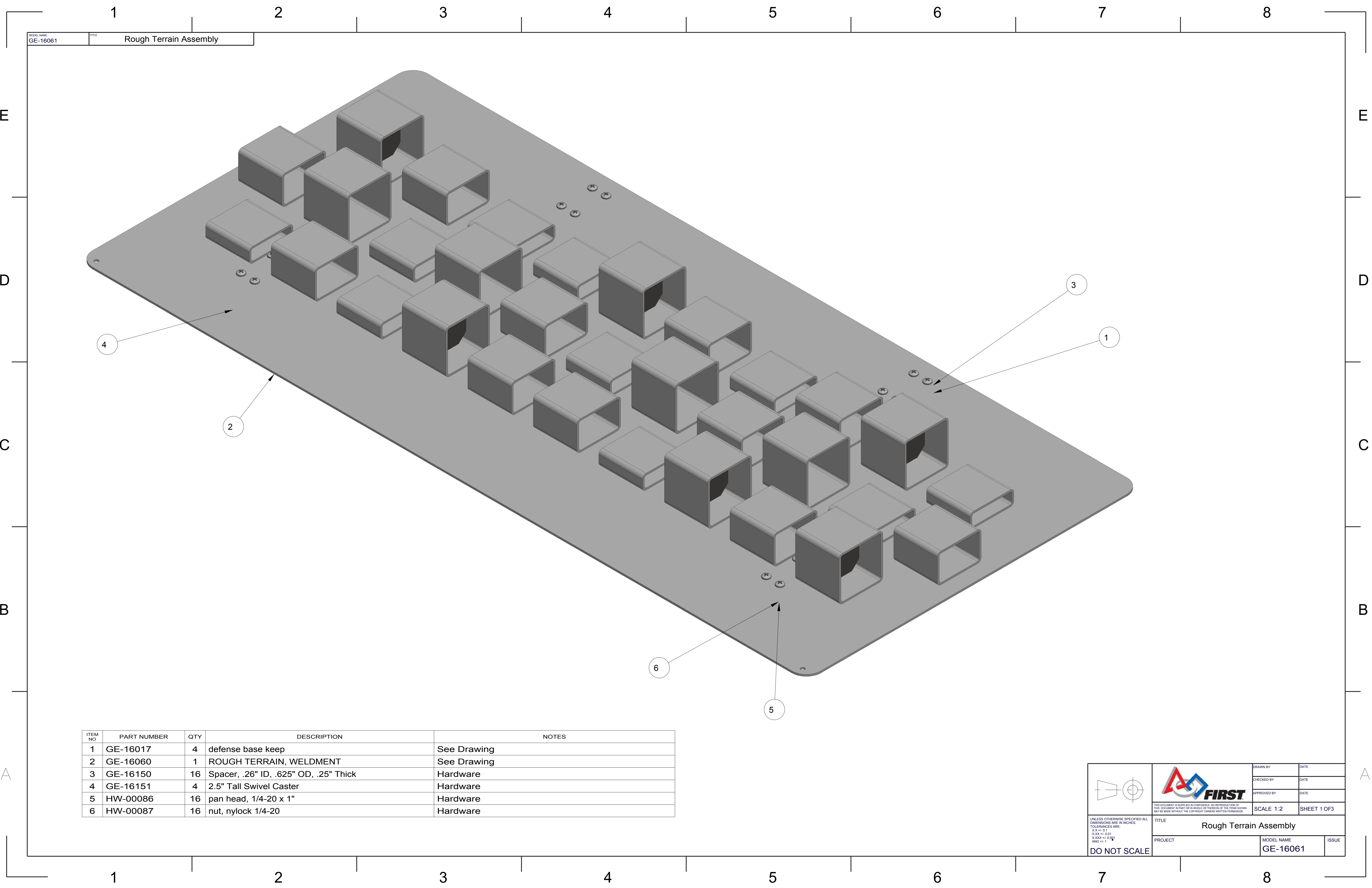
6 ITEMS PER ASSEMBLY

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		SCALE 3:8	SHEET 2 OF 4
TITLE ROUGH TERRAIN ASSEM			
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. DIMENSIONS ARE: X +/- 0.1 X.X +/- 0.01 X.XX +/- 0.001 ANG +/- 1	PROJECT	MODEL NAME	ISSUE
	GE-16060		
DO NOT SCALE			

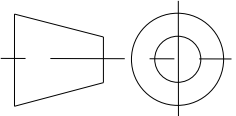


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TITLE		SCALE 3:8	SHEET 3 OF 4	
ROUGH TERRAIN ASSEM				
PROJECT	MODEL NAME		ISSUE	
	GE-16060			






ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16017	4	defense base keep	See Drawing
2	GE-16060	1	ROUGH TERRAIN, WELDMENT	See Drawing
3	GE-16150	16	Spacer, .26" ID, .625" OD, .25" Thick	Hardware
4	GE-16151	4	2.5" Tall Swivel Caster	Hardware
5	HW-00086	16	pan head, 1/4-20 x 1"	Hardware
6	HW-00087	16	nut, nylock 1/4-20	Hardware

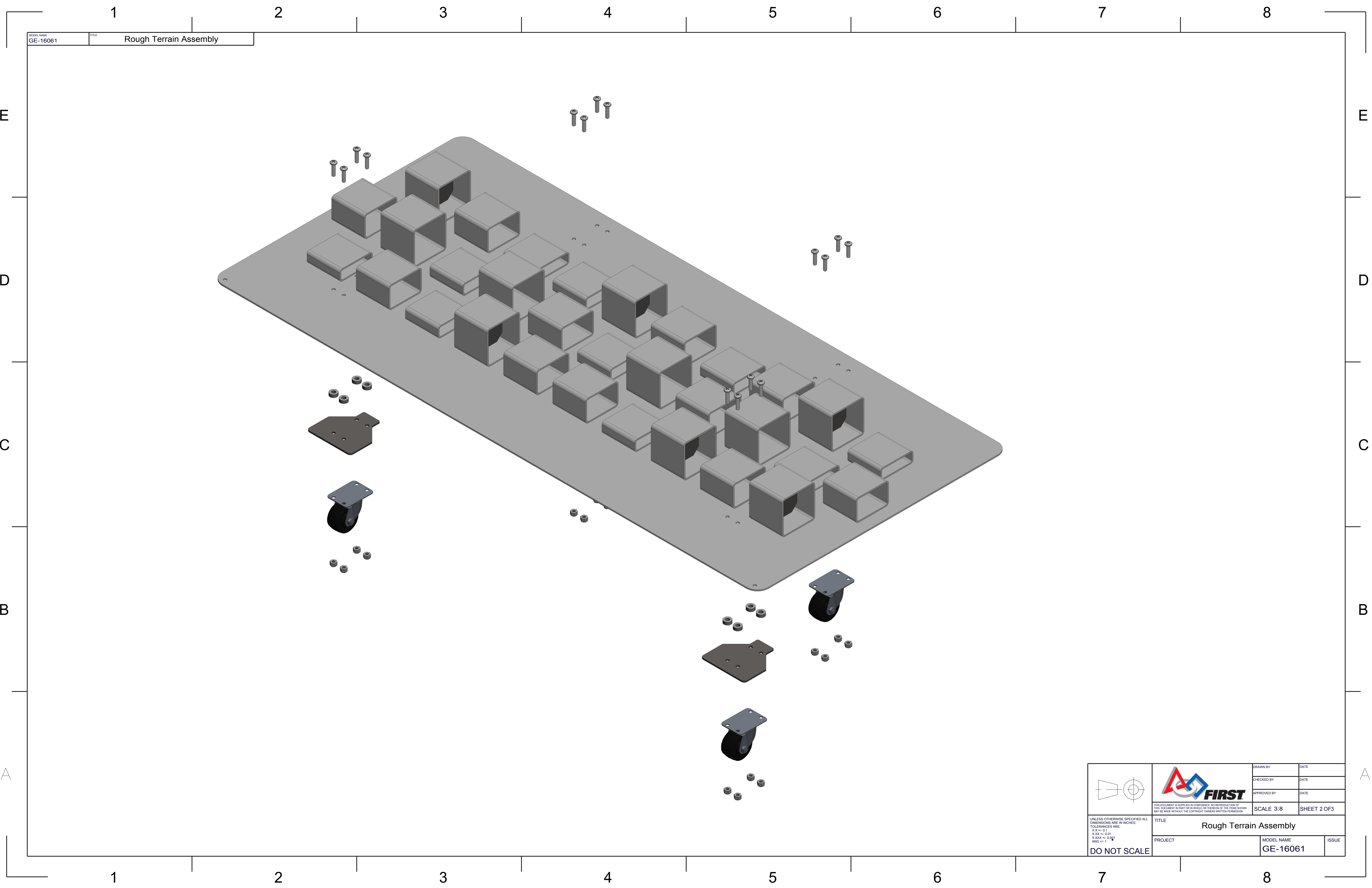


UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.XX ±.01
X.XXX ±.001
ANG ±.1
DO NOT SCALE



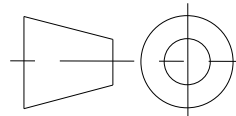

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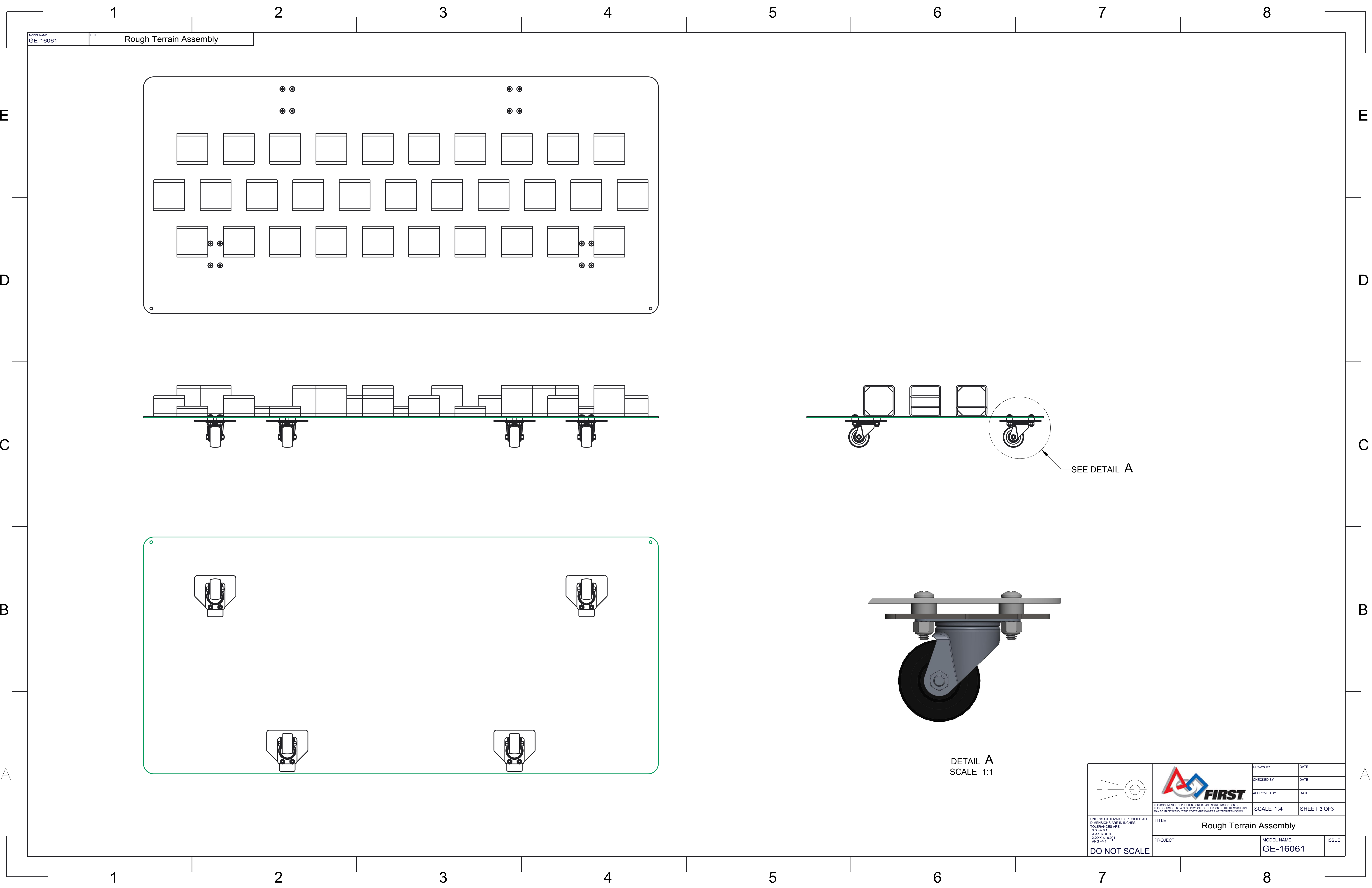
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CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:2	
SHEET 1 OF 3	
TITLE Rough Terrain Assembly	
PROJECT	MODEL NAME GE-16061
ISSUE	



MODEL NAME
GE-16061

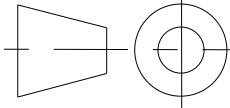

TITLE
Rough Terrain Assembly

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		SCALE 3:8 SHEET 2 OF 3	
TITLE Rough Terrain Assembly			
PROJECT		MODEL NAME GE-16061	ISSUE

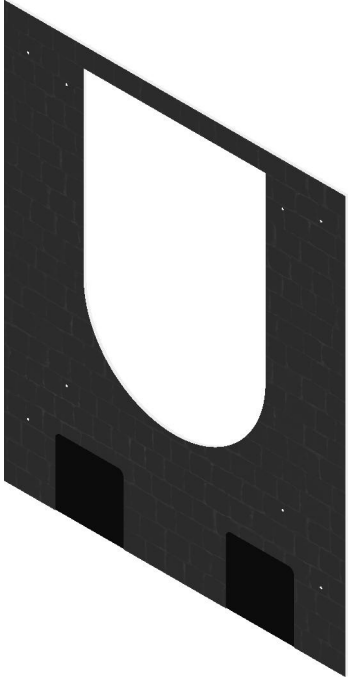
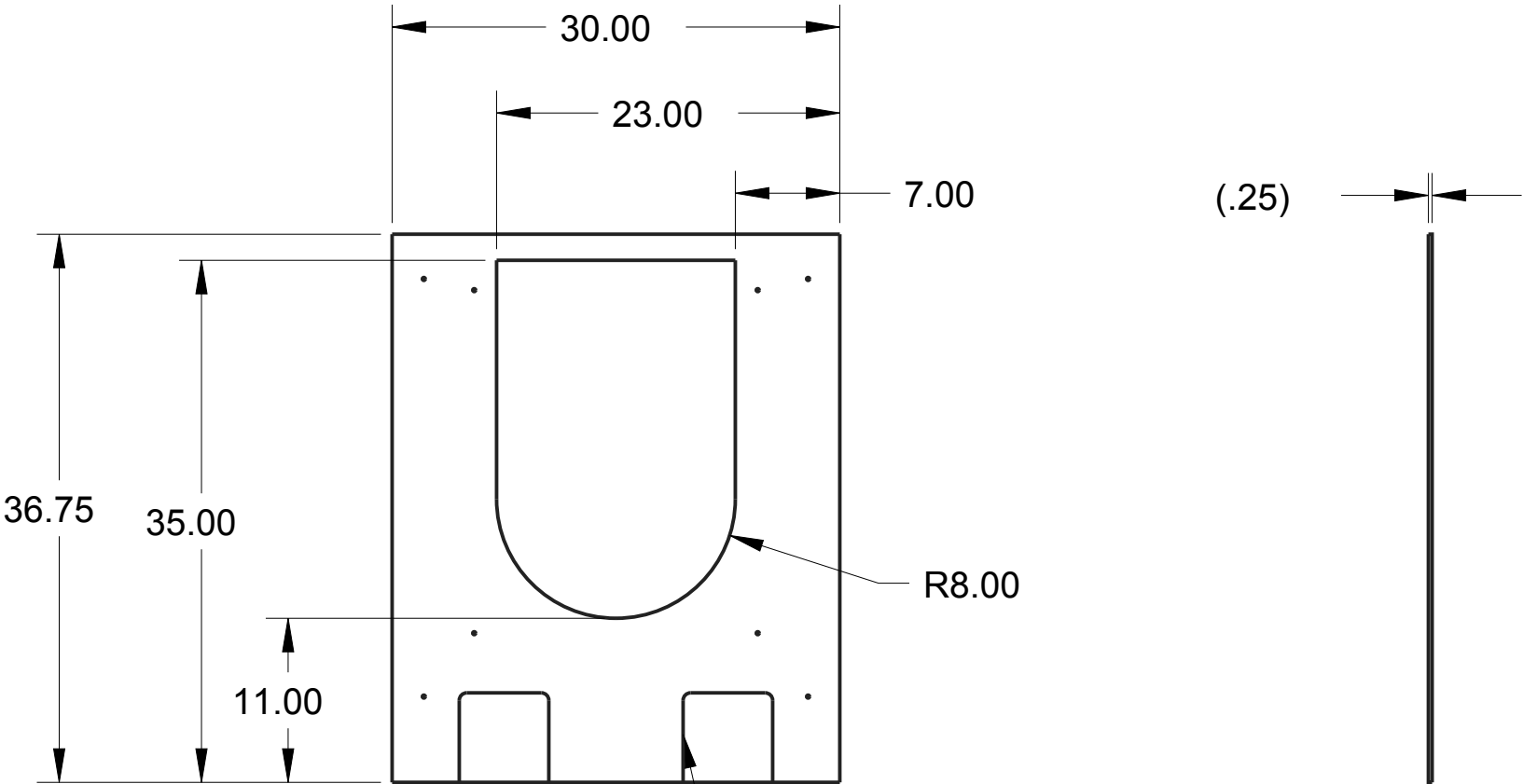


MODEL NAME
GE-16061

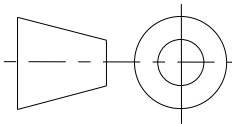

TITLE
Rough Terrain Assembly

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		SCALE 1:4	
TITLE Rough Terrain Assembly		PROJECT	ISSUE
		MODEL NAME GE-16061	

REV	ZONE	DESCRIPTION	INITIAL	DAF
A	SHEET 2	ADDED SHEET 2	DAF	12/16/15

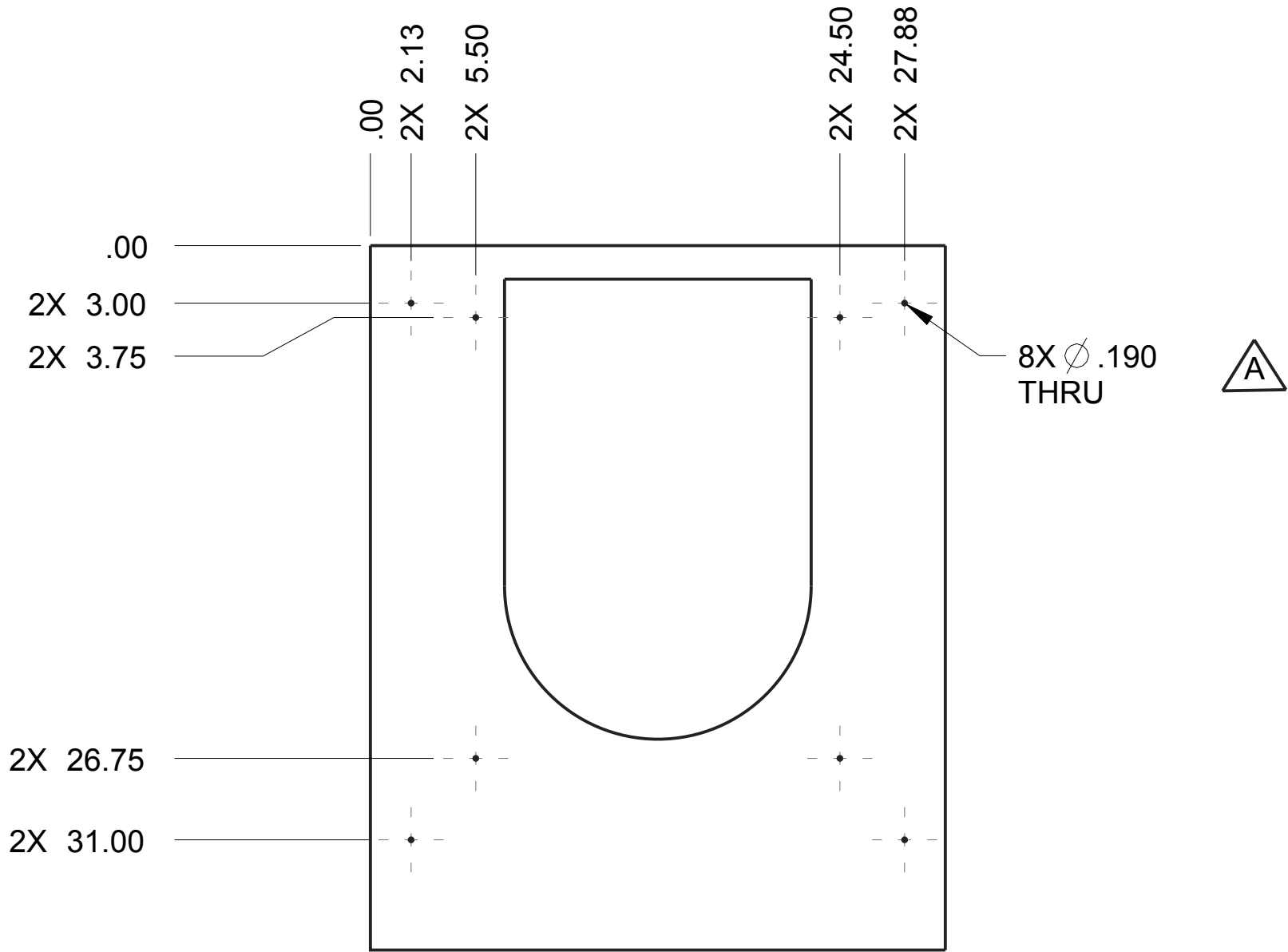



NOTES:
1. MATERIAL: 1/4" THICK POLYCARBONATE, CLEAR

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TITLE TOWER SIDE, HIGH GOAL			
PROJECT		MODEL NAME GE-16067	ISSUE
DO NOT SCALE			

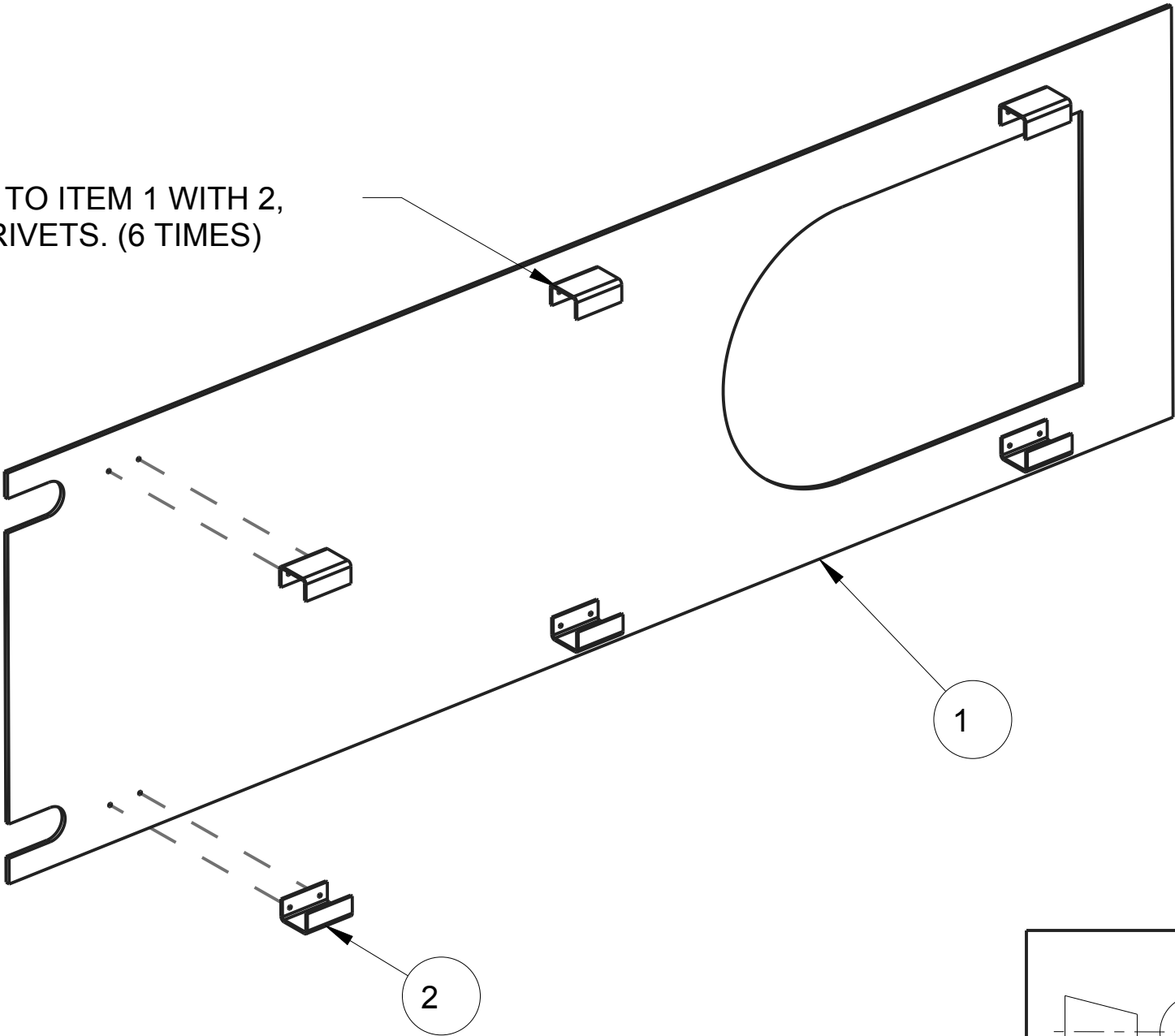
MODEL NAME GE-16067	TITLE TOWER SIDE, HIGH GOAL
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REV	ZONE	DESCRIPTION	INITIAL	DAF
A	C-3	ADDED .190 HOLE (QTY 8)	DAF	12/16/15



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		APPROVED BY	DATE
		SCALE 1:8	SHEET 2 OF2
<div>TITLE</div> <div>TOWER SIDE, HIGH GOAL</div>			
PROJECT		MODEL NAME GE-16067	ISSUE

ATTACH ITEM 2 TO ITEM 1 WITH 2,
3/16" RIVETS. (6 TIMES)



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16069	1	low goal plastic	
2	GE-16070	6	channel, low plastic	



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TITLE

LOW GOAL PLASTIC ASSEMBLY

DRAWN BY

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APPROVED BY

DATE

DATE

DATE

SCALE 1:8

SHEET 1 OF1

PROJECT

MODEL NAME

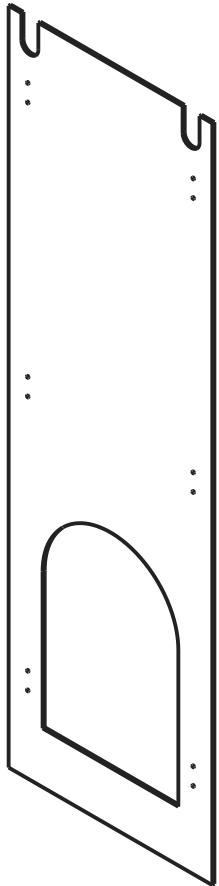
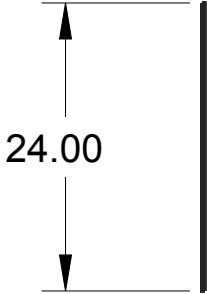
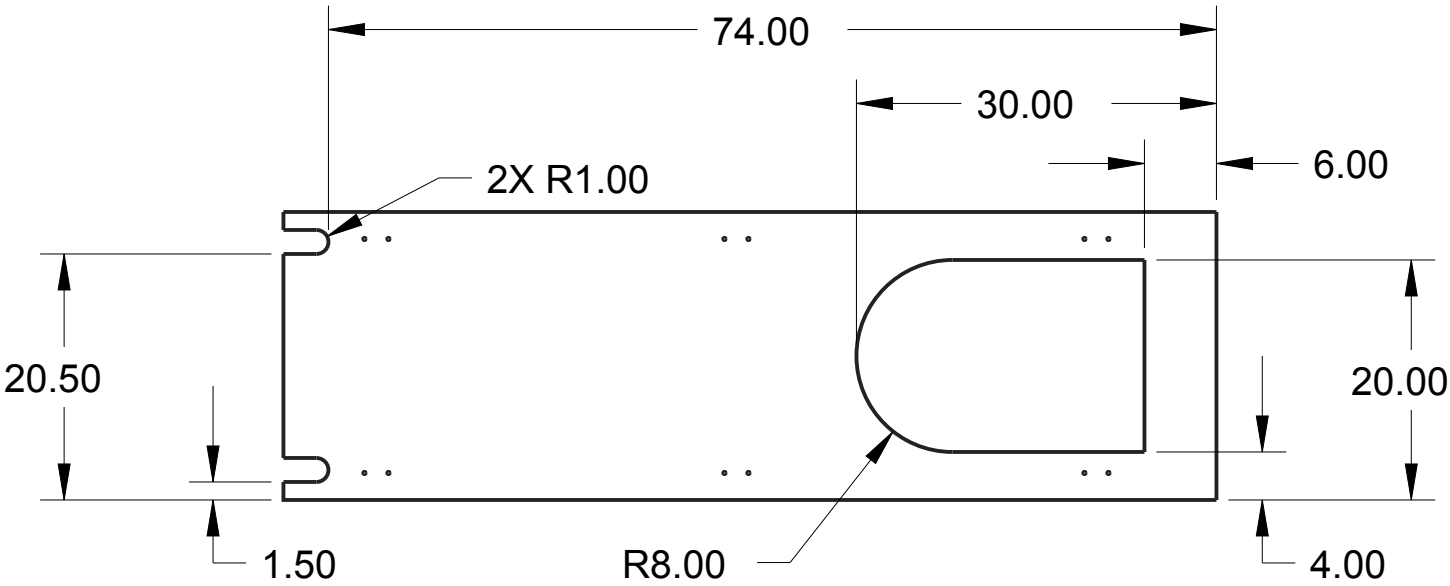
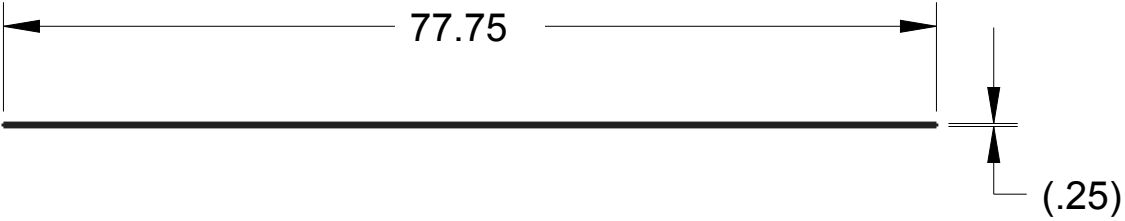
ISSUE

GE-16068

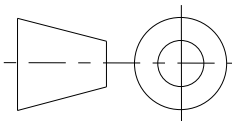



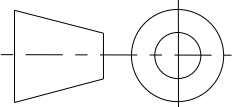
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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



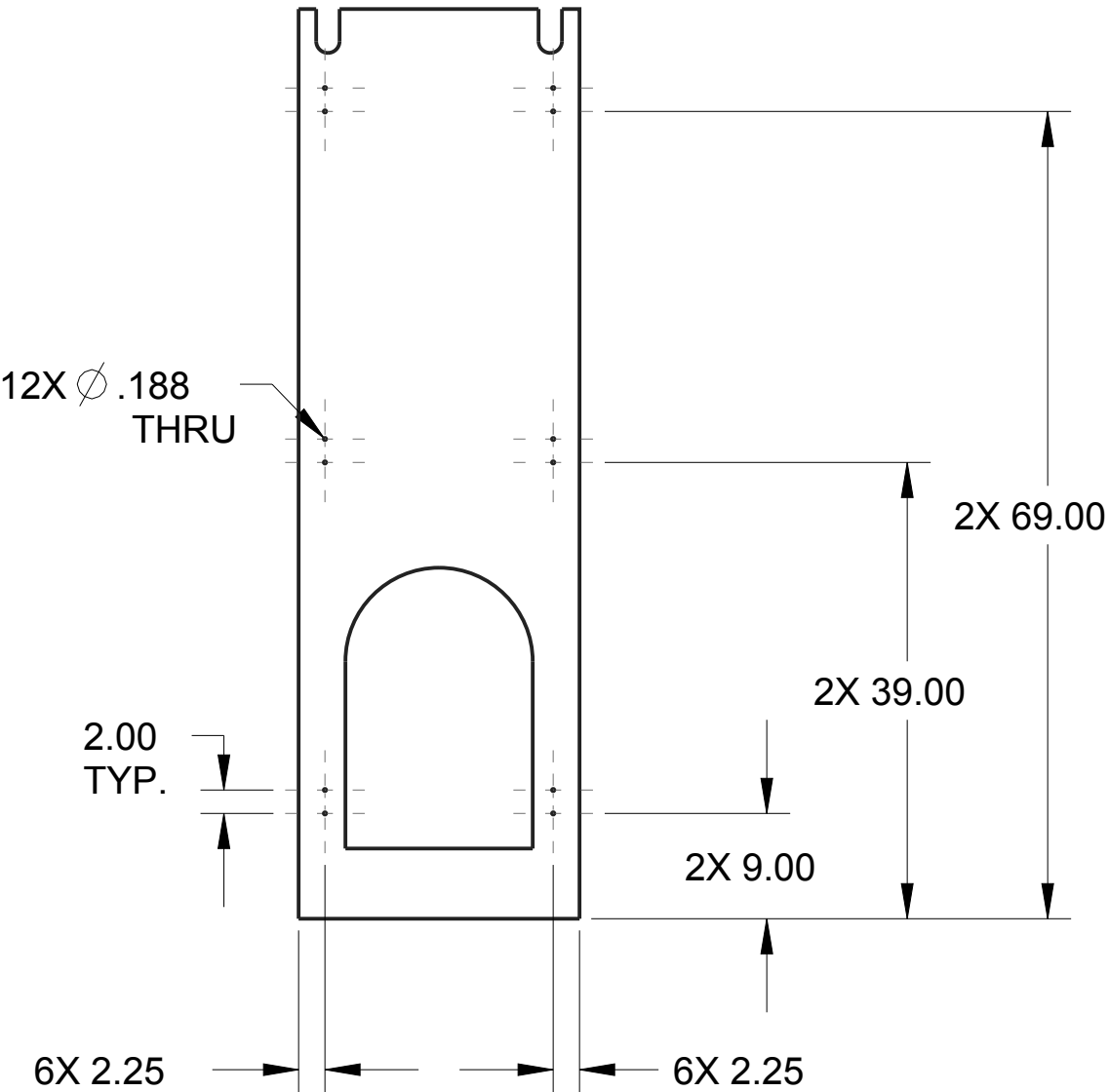
NOTES:
1. MATERIAL: 1/4" THICK POLYCARBONATE, CLEAR


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TITLE LOW PLASTIC 1			
PROJECT		MODEL NAME GE-16069	ISSUE
DO NOT SCALE			

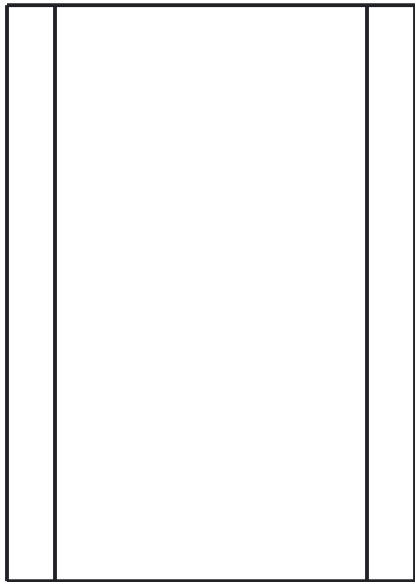
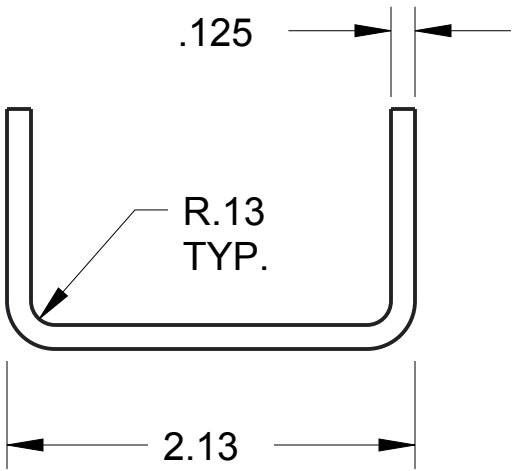


UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
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X.XX +/- 0.01
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ANG +/- 1°

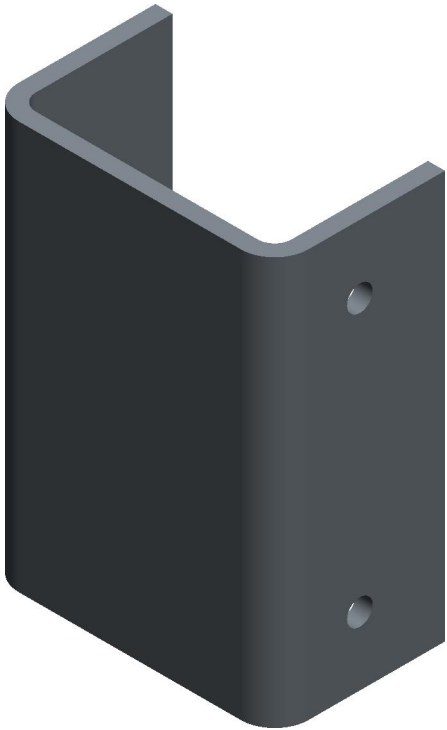
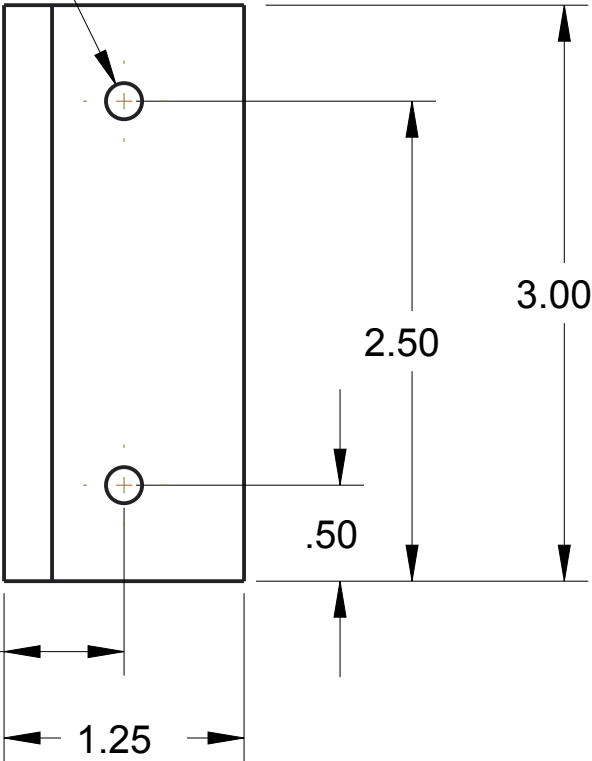
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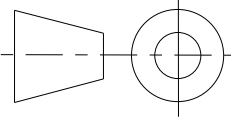
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			SCALE 1:16
<div>TITLE</div> <div>LOW PLASTIC 1</div>			
<div>PROJECT</div>		<div>MODEL NAME</div> <div>GE-16069</div>	<div>ISSUE</div>

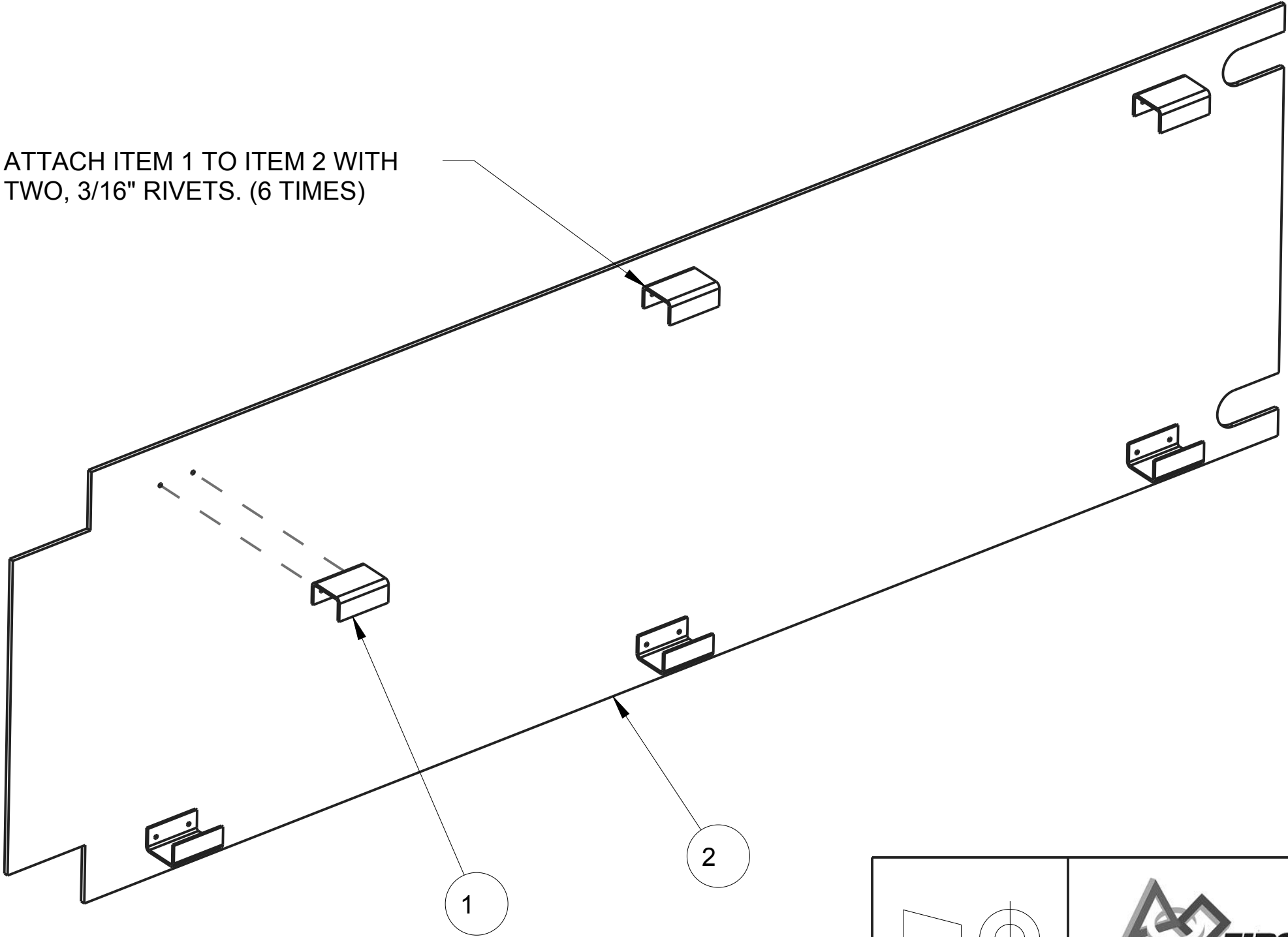


2X \varnothing .188
THRU ONE WALL




NOTES:
1. MATERIAL: 1/8" THICK 5052 ALUMINUM

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	CHECKED BY	DATE
	APPROVED BY	DATE
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	TITLE CHANNEL, PLASTIC MOUNTING	
	PROJECT	MODEL NAME GE-16070
		ISSUE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16070	6	channel, low plastic	
2	GE-16072	1	low plastic	



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TITLE

LOW PLASTIC ASSEMBLY

PROJECT

MODEL NAME

GE-16071

ISSUE

DRAWN BY

CHECKED BY

APPROVED BY

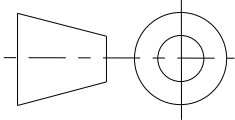
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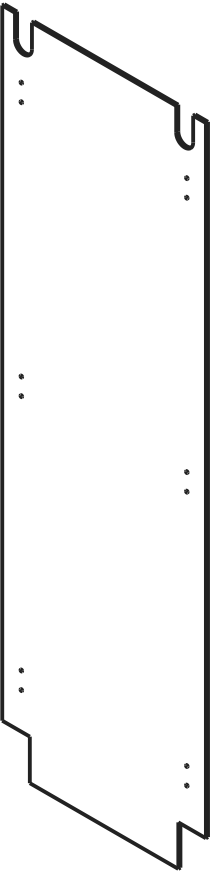
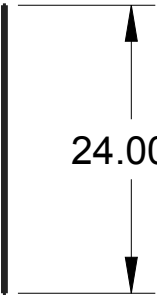
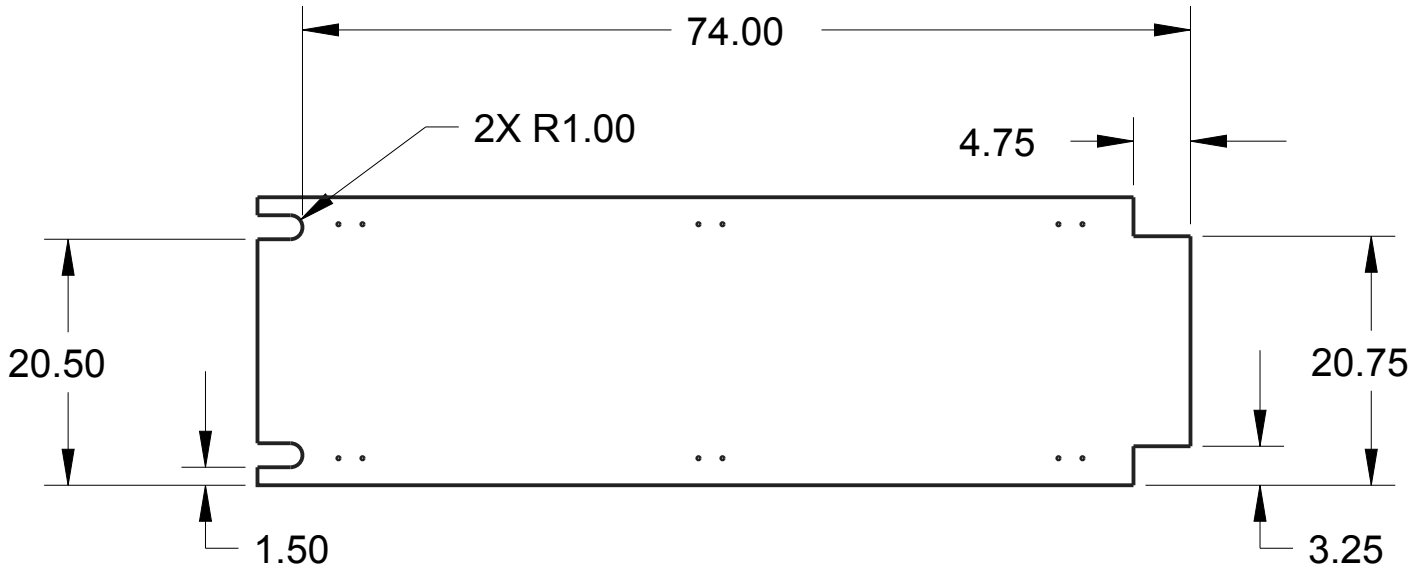
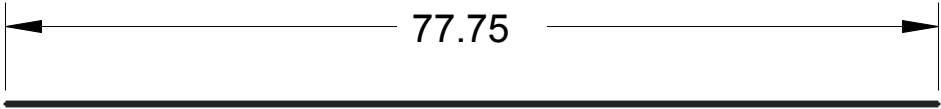
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SHEET 1 OF 1

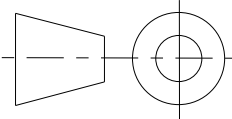


UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



NOTES:
1. MATERIAL: 1/4" THICK POLYCARBONATE, CLEAR



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

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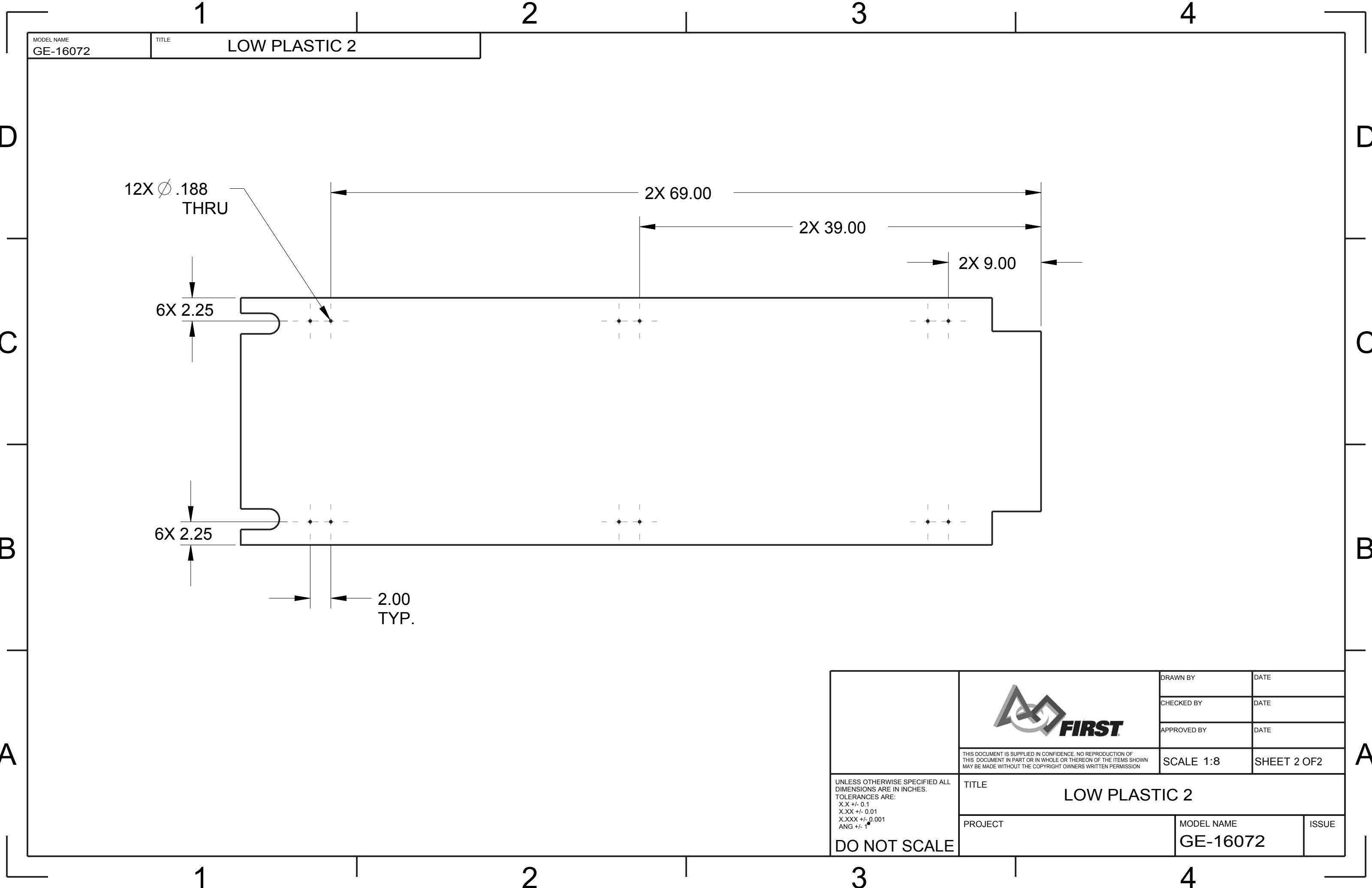
TITLE
LOW PLASTIC 2


PROJECT

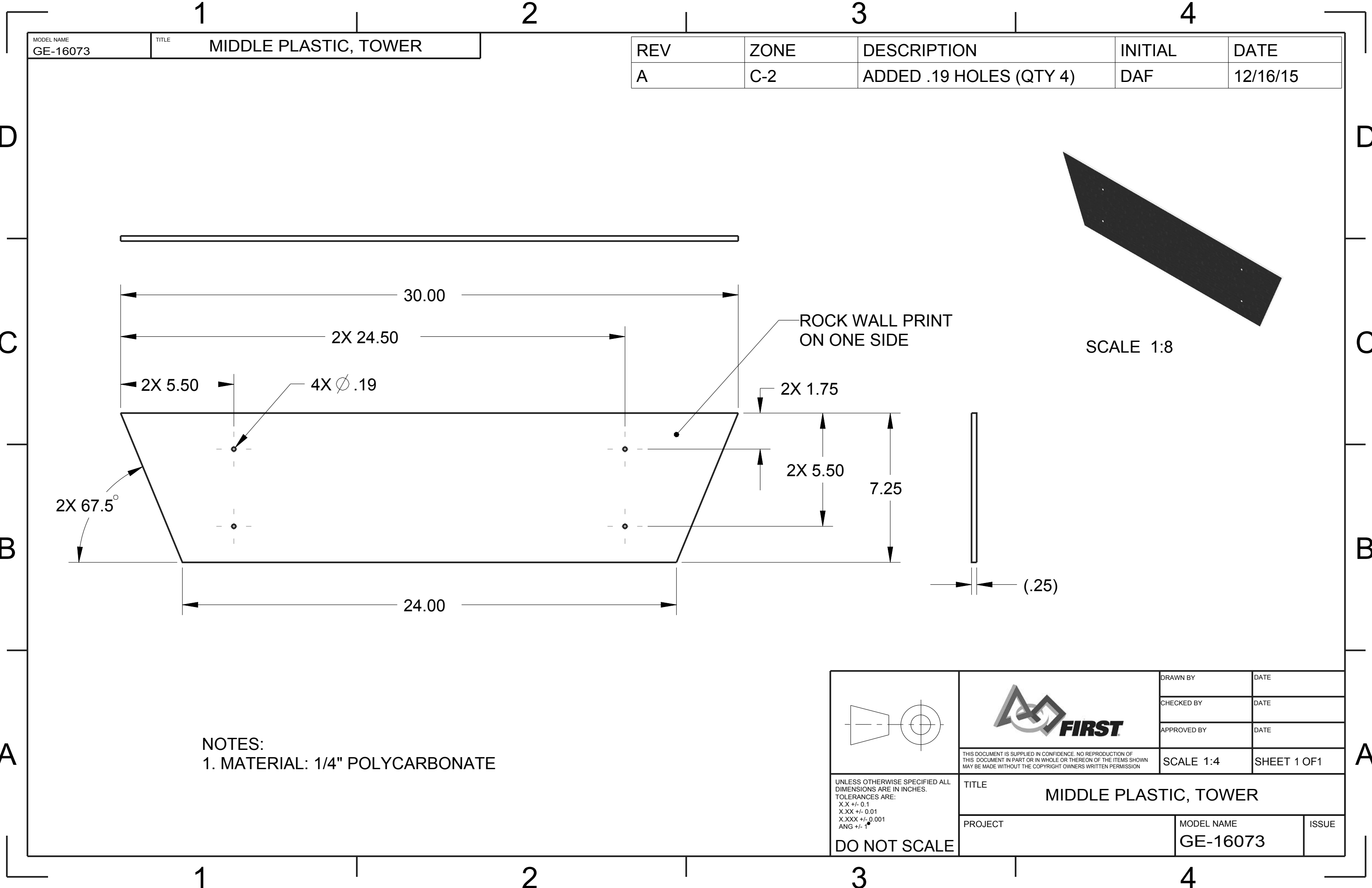
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APPROVED BY	DATE
SCALE 1:16	SHEET 1 OF 2

MODEL NAME
GE-16072

ISSUE


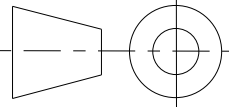


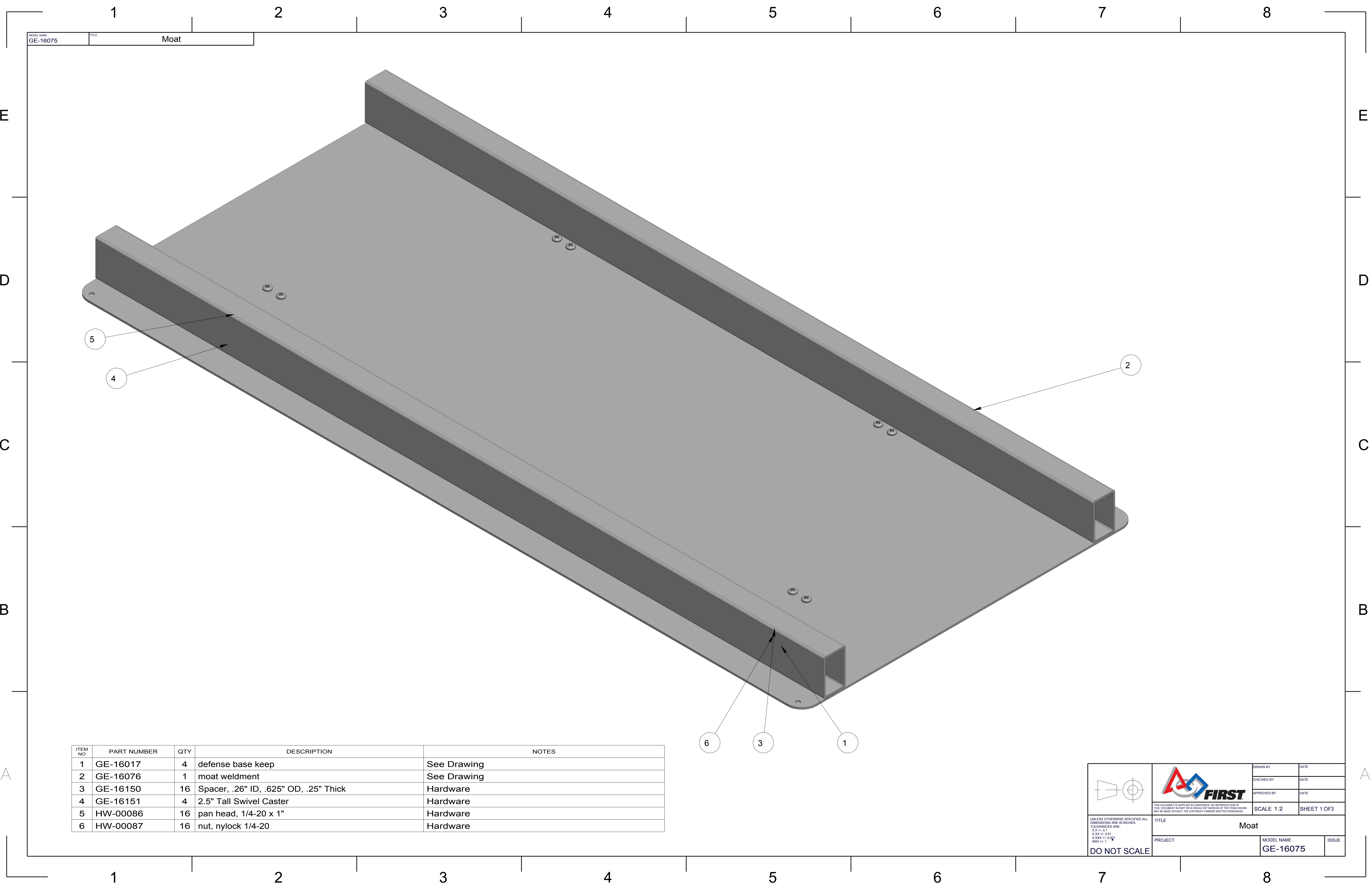
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TITLE		LOW PLASTIC 2	
PROJECT		MODEL NAME	ISSUE
		GE-16072	



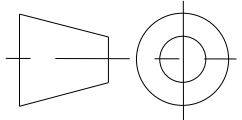
MODEL NAME GE-16073	TITLE MIDDLE PLASTIC, TOWER	REV A	ZONE C-2	DESCRIPTION ADDED .19 HOLES (QTY 4)	INITIAL DAF	DATE 12/16/15
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NOTES:
1. MATERIAL: 1/4" POLYCARBONATE

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	CHECKED BY	DATE
	APPROVED BY	DATE
	SCALE 1:4	SHEET 1 OF 1
 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</small> DO NOT SCALE	TITLE MIDDLE PLASTIC, TOWER	
	PROJECT	MODEL NAME GE-16073 ISSUE




ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16017	4	defense base keep	See Drawing
2	GE-16076	1	moat weldment	See Drawing
3	GE-16150	16	Spacer, .26" ID, .625" OD, .25" Thick	Hardware
4	GE-16151	4	2.5" Tall Swivel Caster	Hardware
5	HW-00086	16	pan head, 1/4-20 x 1"	Hardware
6	HW-00087	16	nut, nylock 1/4-20	Hardware



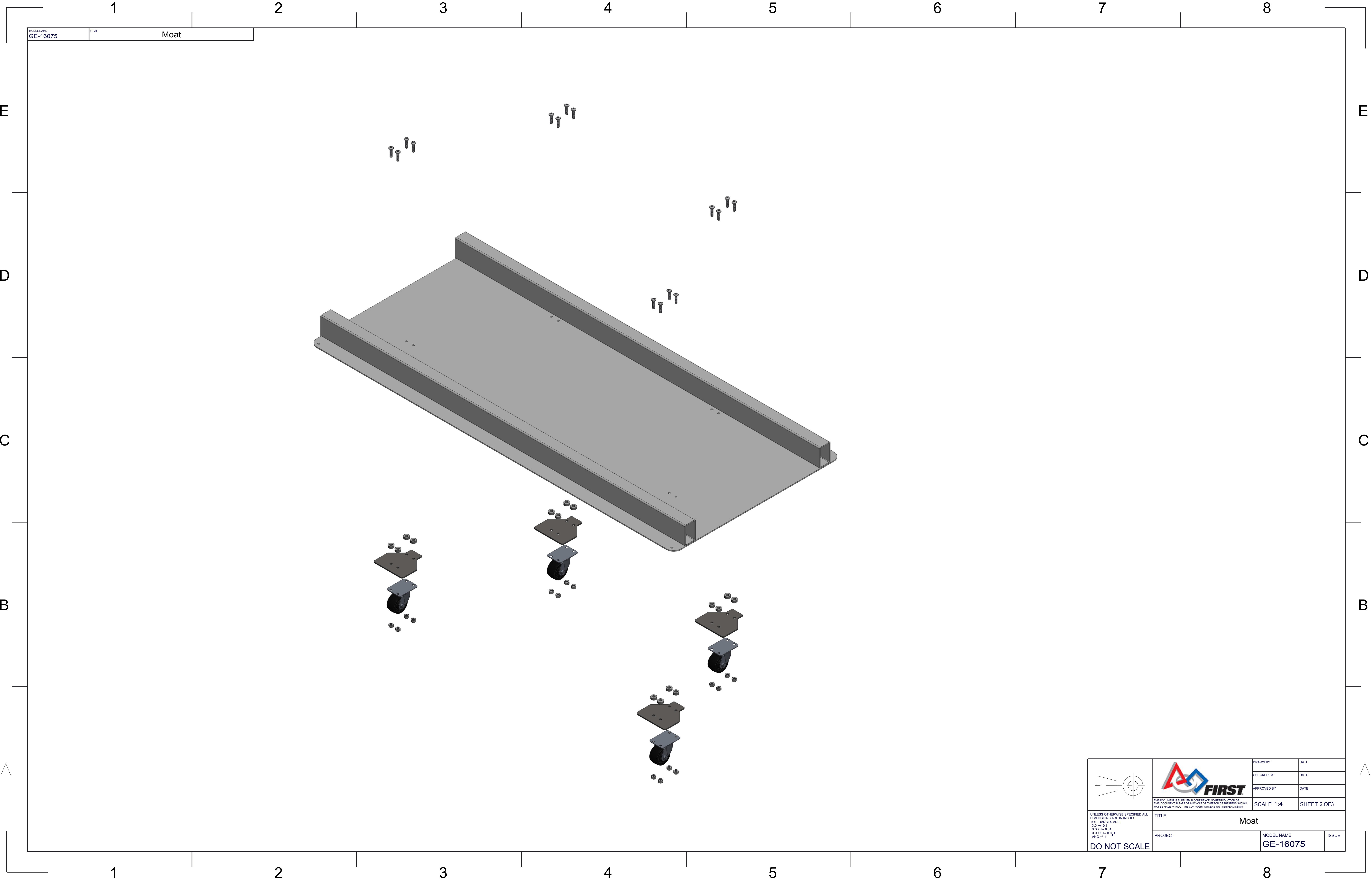
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X.XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

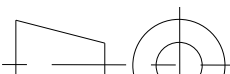

DO NOT SCALE

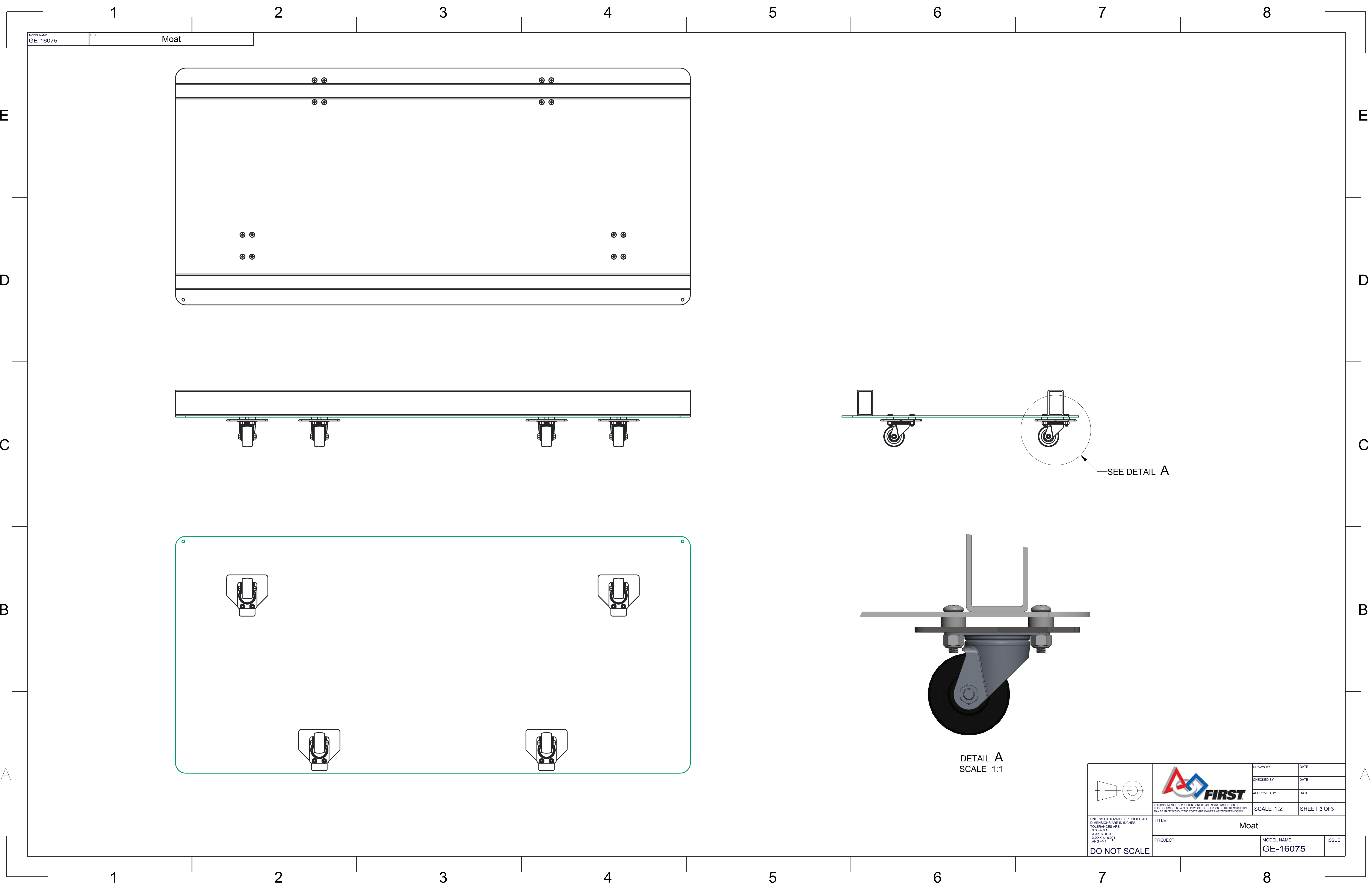


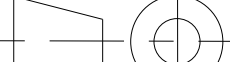

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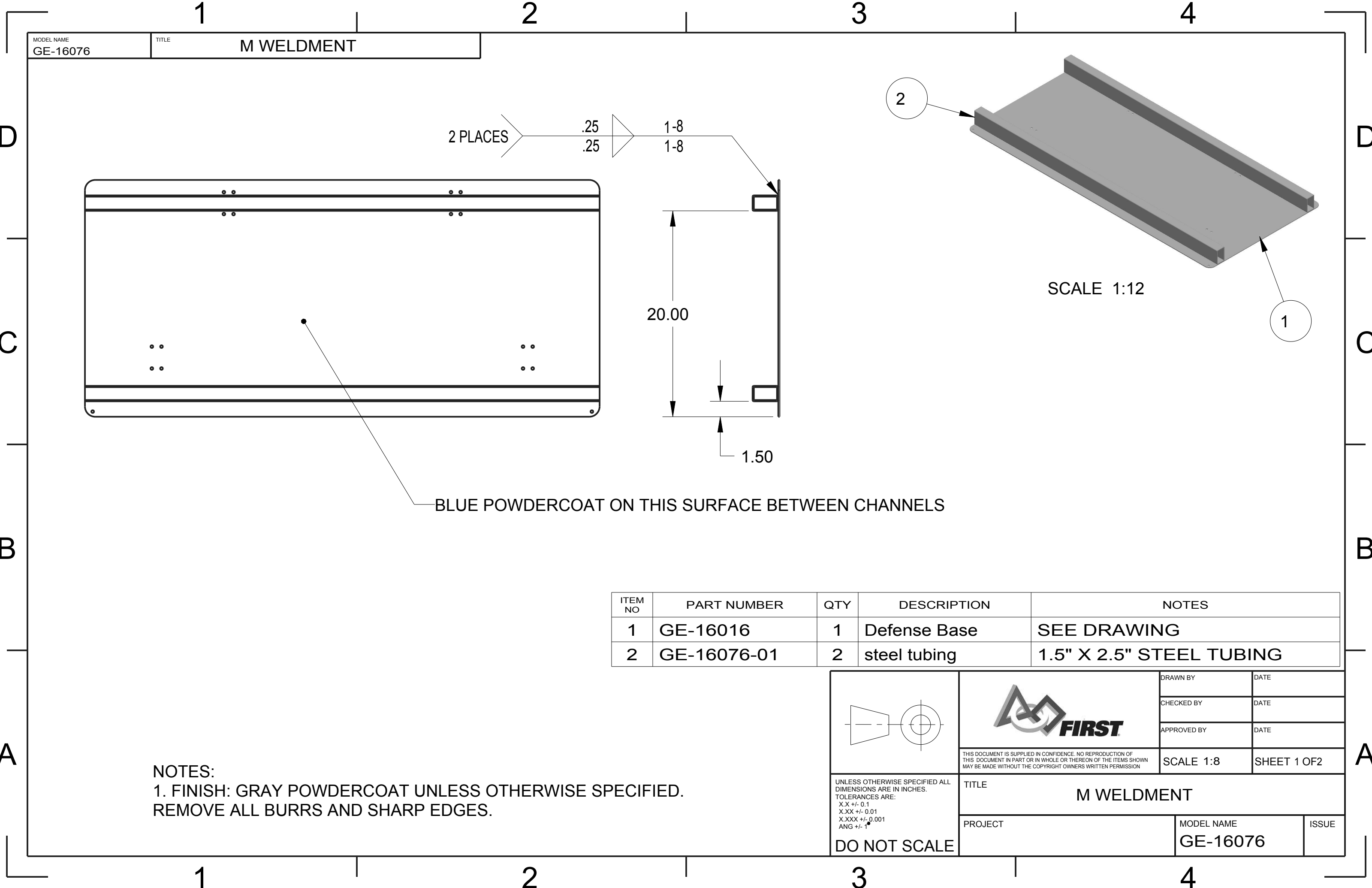
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:2	
SHEET 1 OF 3	
TITLE Moat	
PROJECT	MODEL NAME GE-16075
ISSUE	

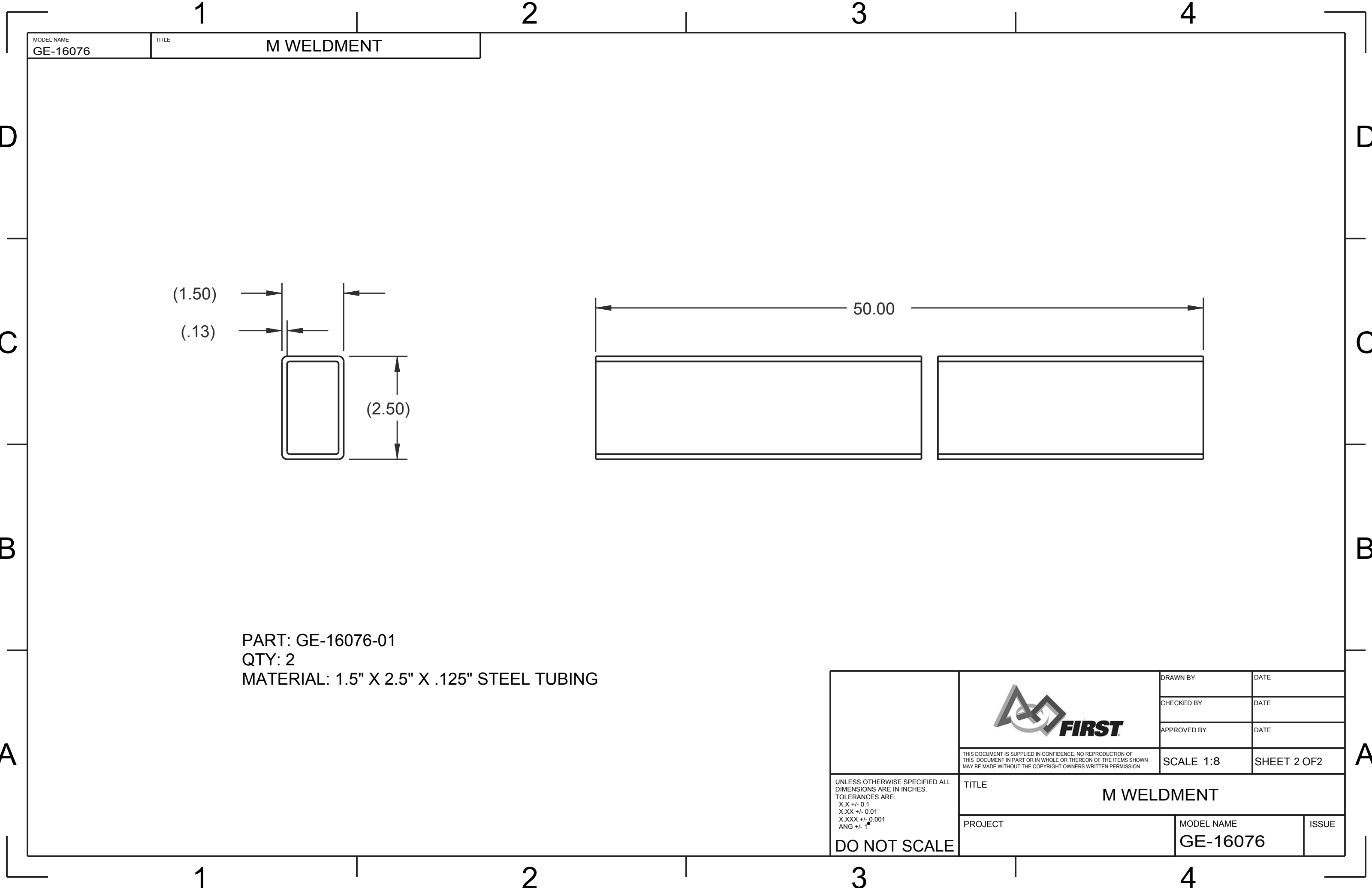


 <div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: 2.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1</div> <div>DO NOT SCALE</div>	 <div>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THE USE OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION.</div>	DRAWN BY	DATE
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		APPROVED BY	DATE
		SCALE 1:4	
TITLE Moat			
PROJECT	MODEL NAME GE-16075		ISSUE




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TITLE		SCALE 1:2	SHEET 3 OF 3
Moat			
PROJECT		MODEL NAME	ISSUE
DO NOT SCALE		GE-16075	



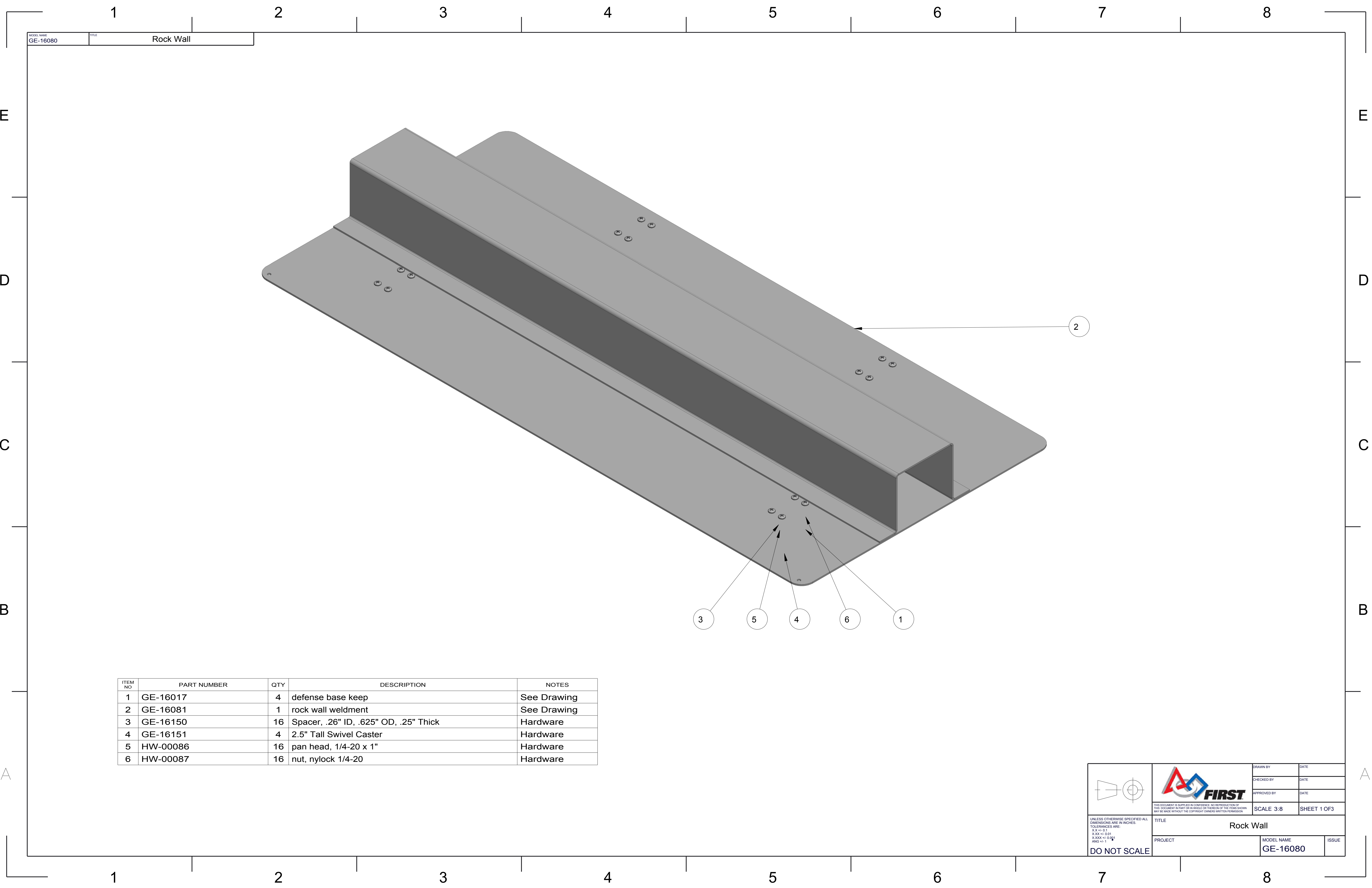


MODEL NAME	TITLE
GE-16076	M WELDMENT

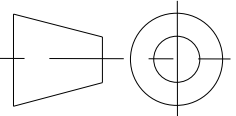
PART: GE-16076-01
QTY: 2
MATERIAL: 1.5" X 2.5" X .125" STEEL TUBING

		DRAWN BY	DATE
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		APPROVED BY	DATE
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°	TITLE M WELDMENT		
	PROJECT	MODEL NAME GE-16076	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°




ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16017	4	defense base keep	See Drawing
2	GE-16081	1	rock wall weldment	See Drawing
3	GE-16150	16	Spacer, .26" ID, .625" OD, .25" Thick	Hardware
4	GE-16151	4	2.5" Tall Swivel Caster	Hardware
5	HW-00086	16	pan head, 1/4-20 x 1"	Hardware
6	HW-00087	16	nut, nylock 1/4-20	Hardware



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

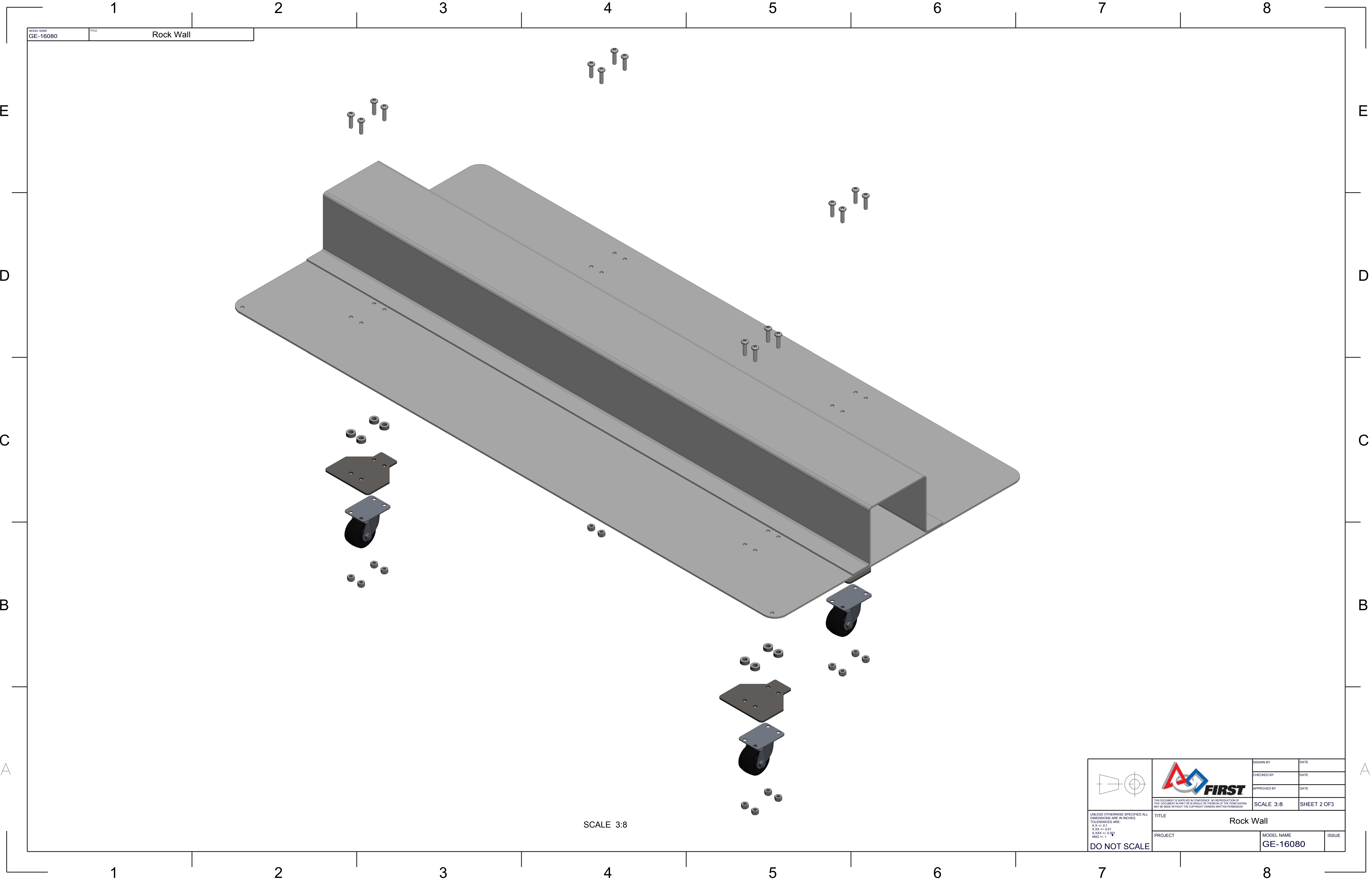
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CHECKED BY	DATE	
APPROVED BY	DATE	
TITLE Rock Wall		
PROJECT	MODEL NAME GE-16080	ISSUE

SCALE 3:8SHEET 1 OF3



SCALE 3:8

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		APPROVED BY	DATE	
		SCALE 3:8	SHEET 2 OF 3	
TITLE Rock Wall				
PROJECT			MODEL NAME GE-16080	ISSUE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

XXX +/- 0.1

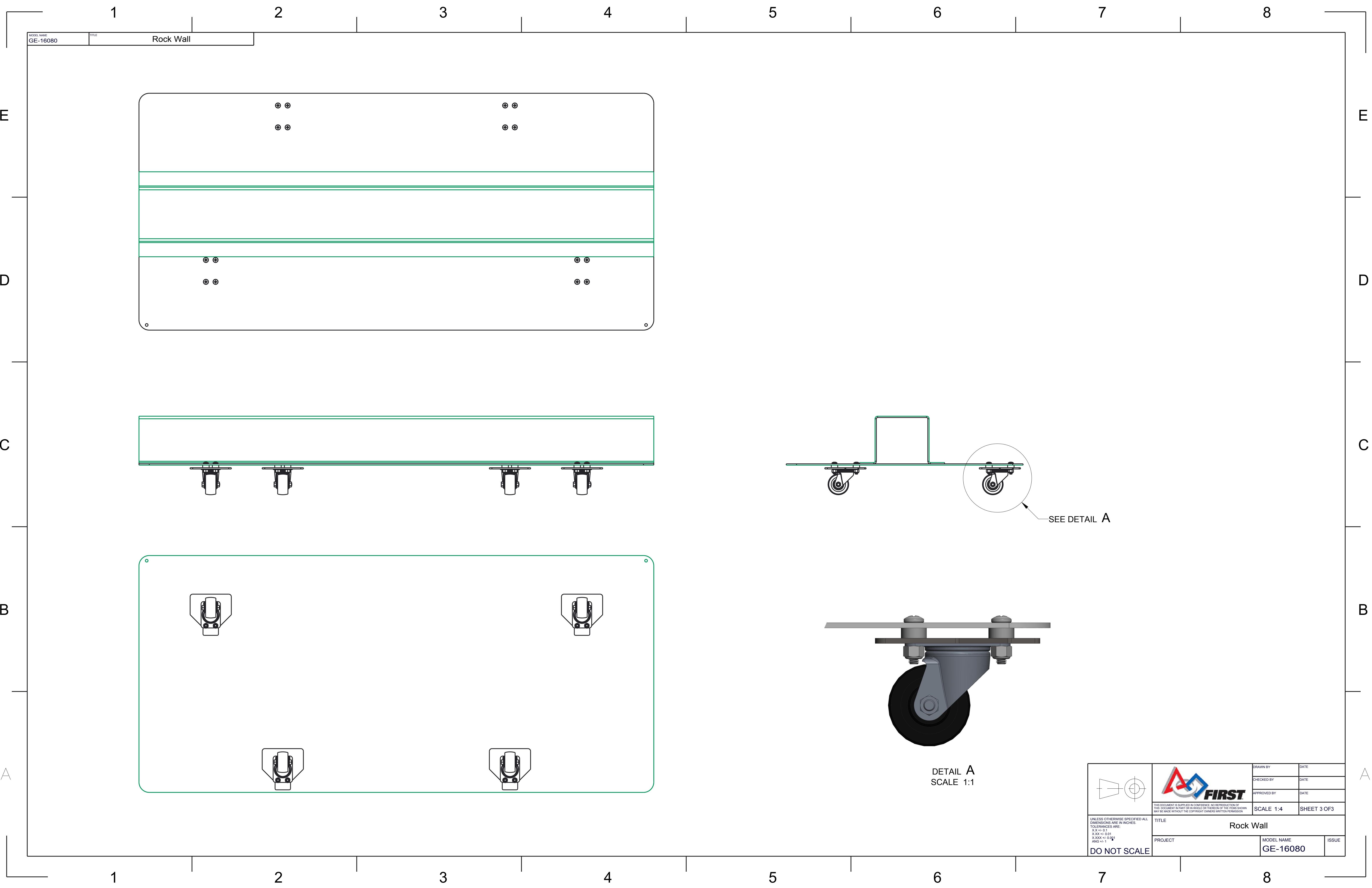
X.XX +/- 0.01

X.XXX +/- 0.001

ANG +/- 1



DO NOT SCALE

DO NOT SCALE



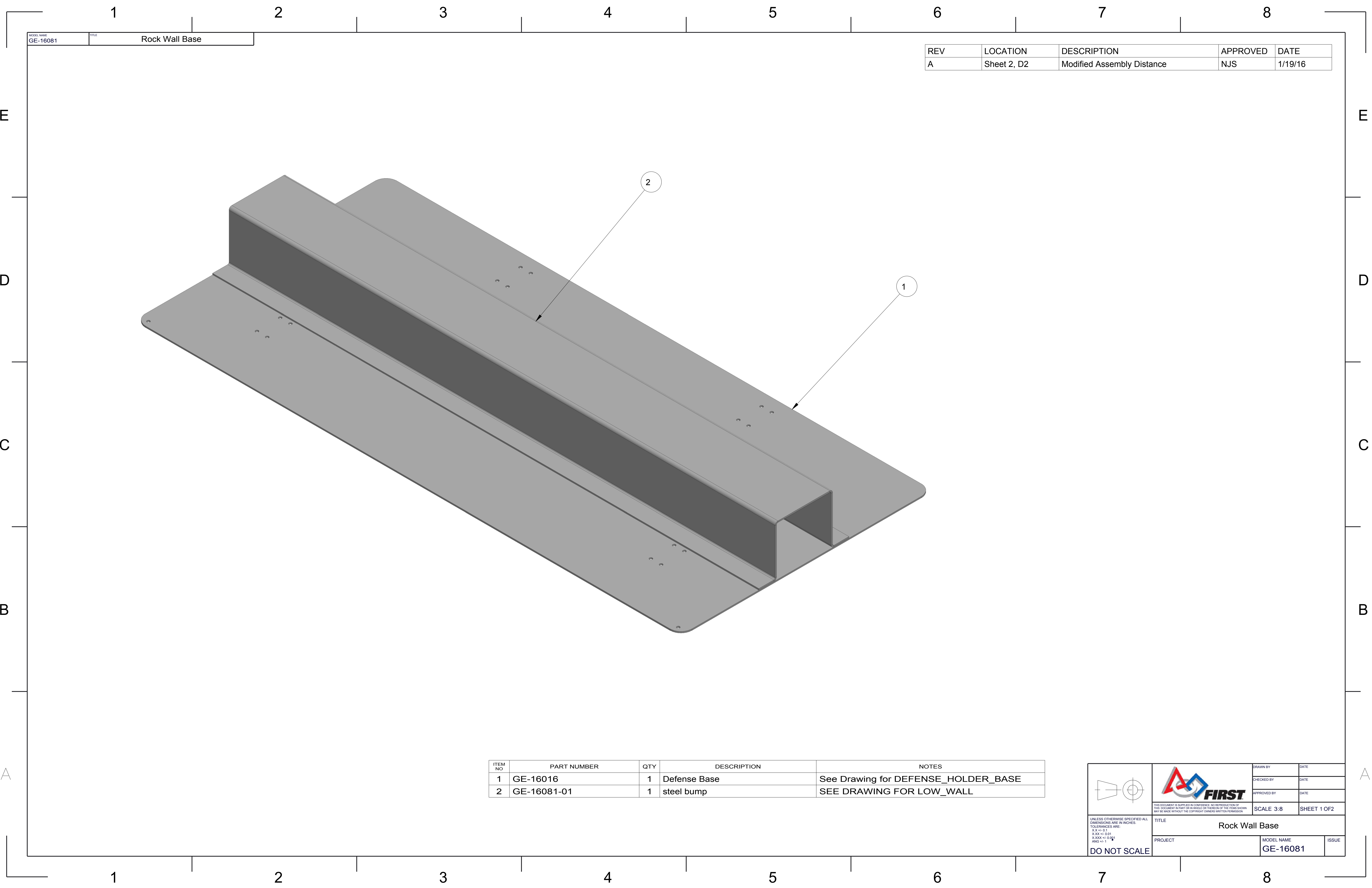
MODEL NAME
GE-16080

TITLE
Rock Wall

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		APPROVED BY	DATE
		SCALE 1:4	
TITLE Rock Wall			
PROJECT		MODEL NAME GE-16080	ISSUE

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TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE



MODEL NAME	TITLE
GE-16081	Rock Wall Base

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	Sheet 2, D2	Modified Assembly Distance	NJS	1/19/16

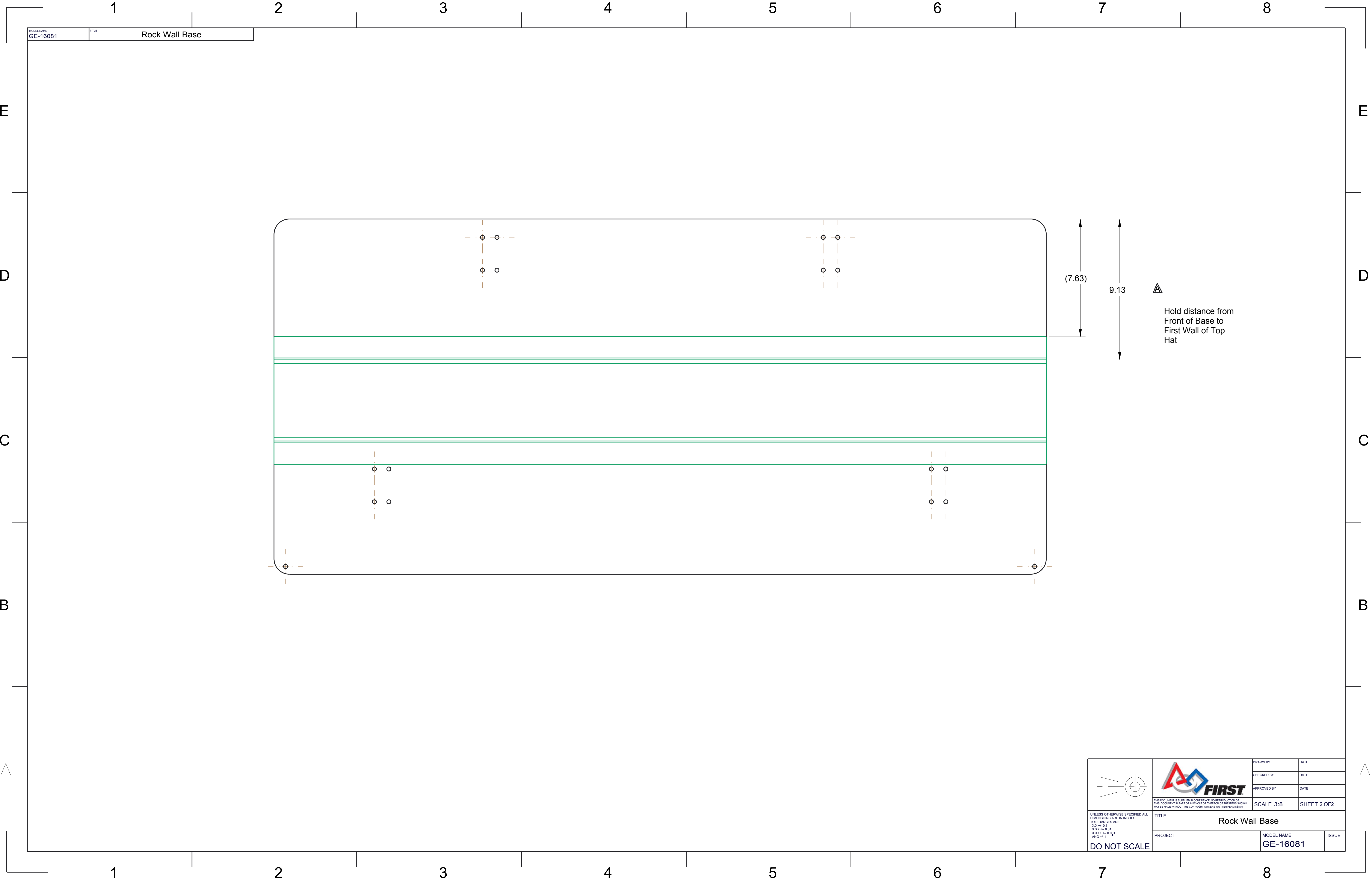
ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16016	1	Defense Base	See Drawing for DEFENSE HOLDER_BASE
2	GE-16081-01	1	steel bump	SEE DRAWING FOR LOW_WALL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1
DO NOT SCALE

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE


TITLE Rock Wall Base	
PROJECT	MODEL NAME GE-16081
ISSUE	

SCALE 3:8	SHEET 1 OF 2
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MODEL NAME
GE-16081

TITLE
Rock Wall Base

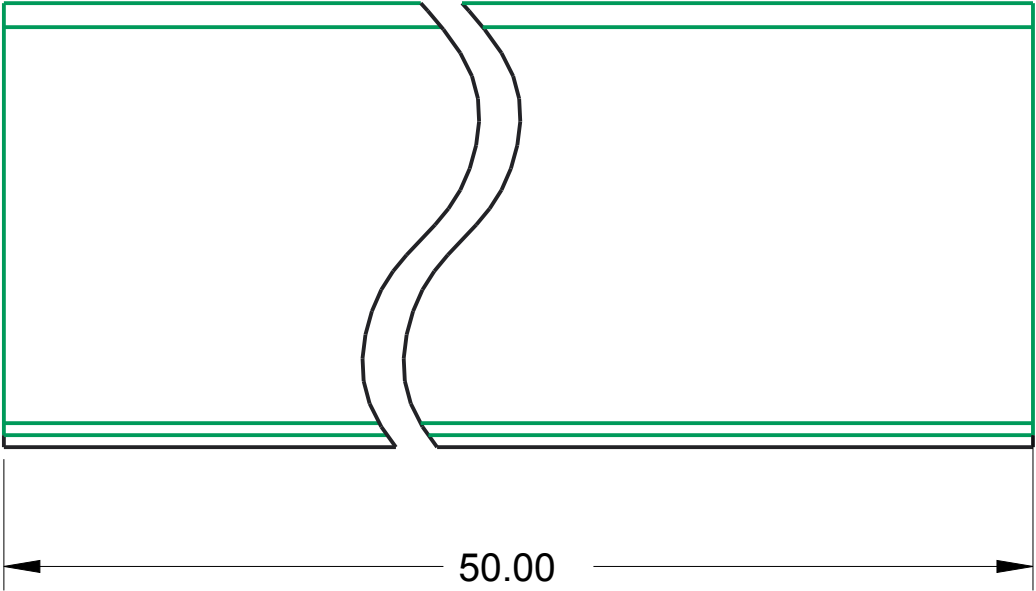
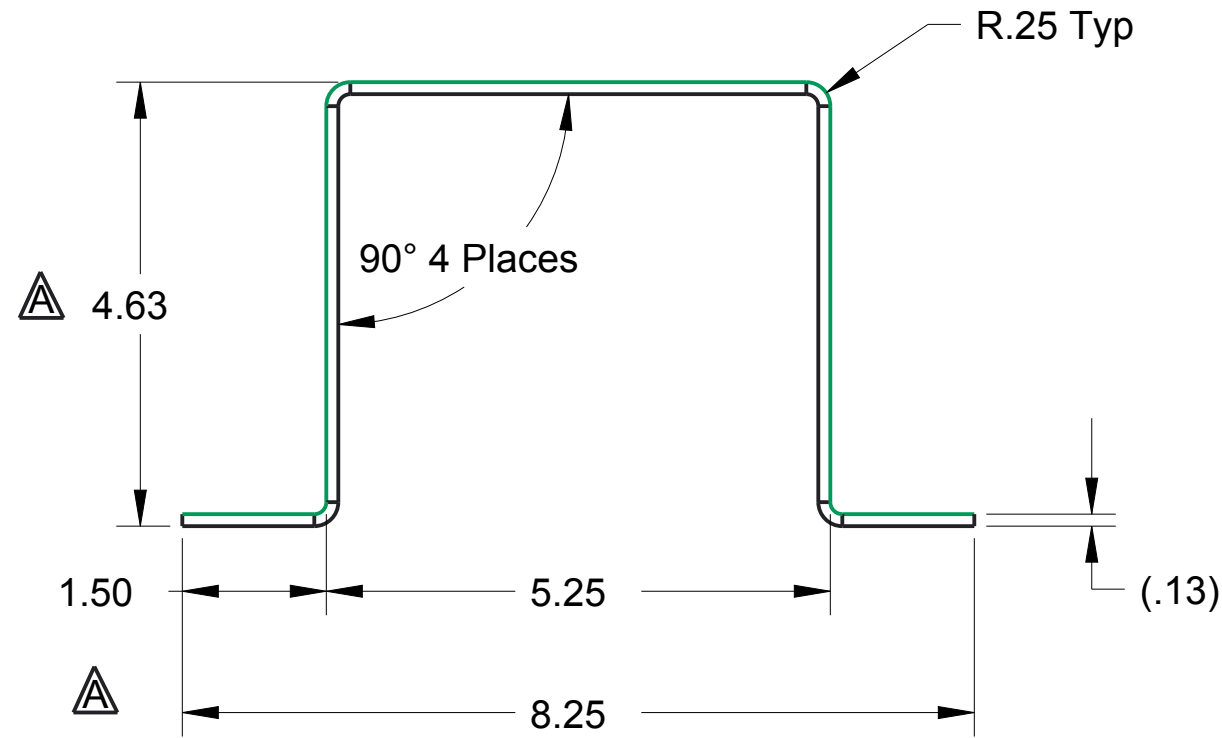
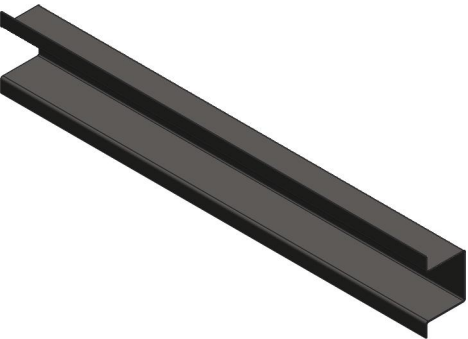


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XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1


DO NOT SCALE

		DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
TITLE Rock Wall Base		SCALE 3:8	SHEET 2 OF 2
PROJECT		MODEL NAME GE-16081	ISSUE

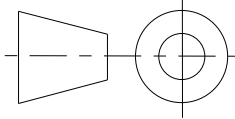
REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	B1 B1 A1	Adjusted dimensions Moved Height Dim to bottom of part Adjusted Material Note	NJS	1/19/16



NOTE

 Material: Steel Sheet, .125" Thick
Scale: 1:2

Remove all burrs and sharp edges



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TOLERANCES ARE:
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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

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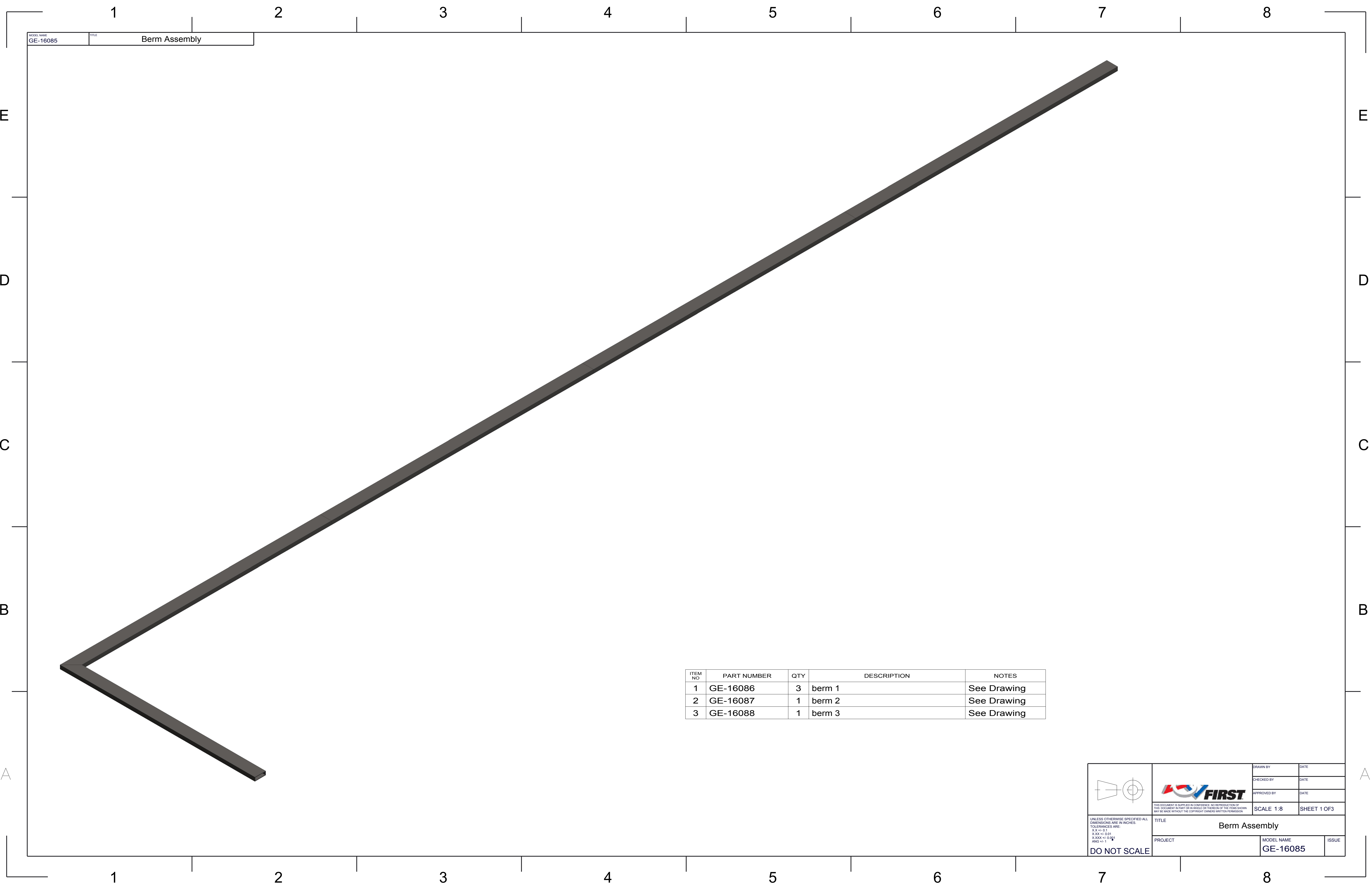
TITLE
Low Wall

PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:2	SHEET 1 OF 1

MODEL NAME
GE-16081-01


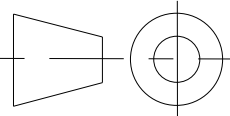
ISSUE



MODEL NAME
GE-16085

TITLE
Berm Assembly

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16086	3	berm 1	See Drawing
2	GE-16087	1	berm 2	See Drawing
3	GE-16088	1	berm 3	See Drawing



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DATE

DATE

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SCALE 1:8

SHEET 1 OF 3

TITLE

Berm Assembly

PROJECT

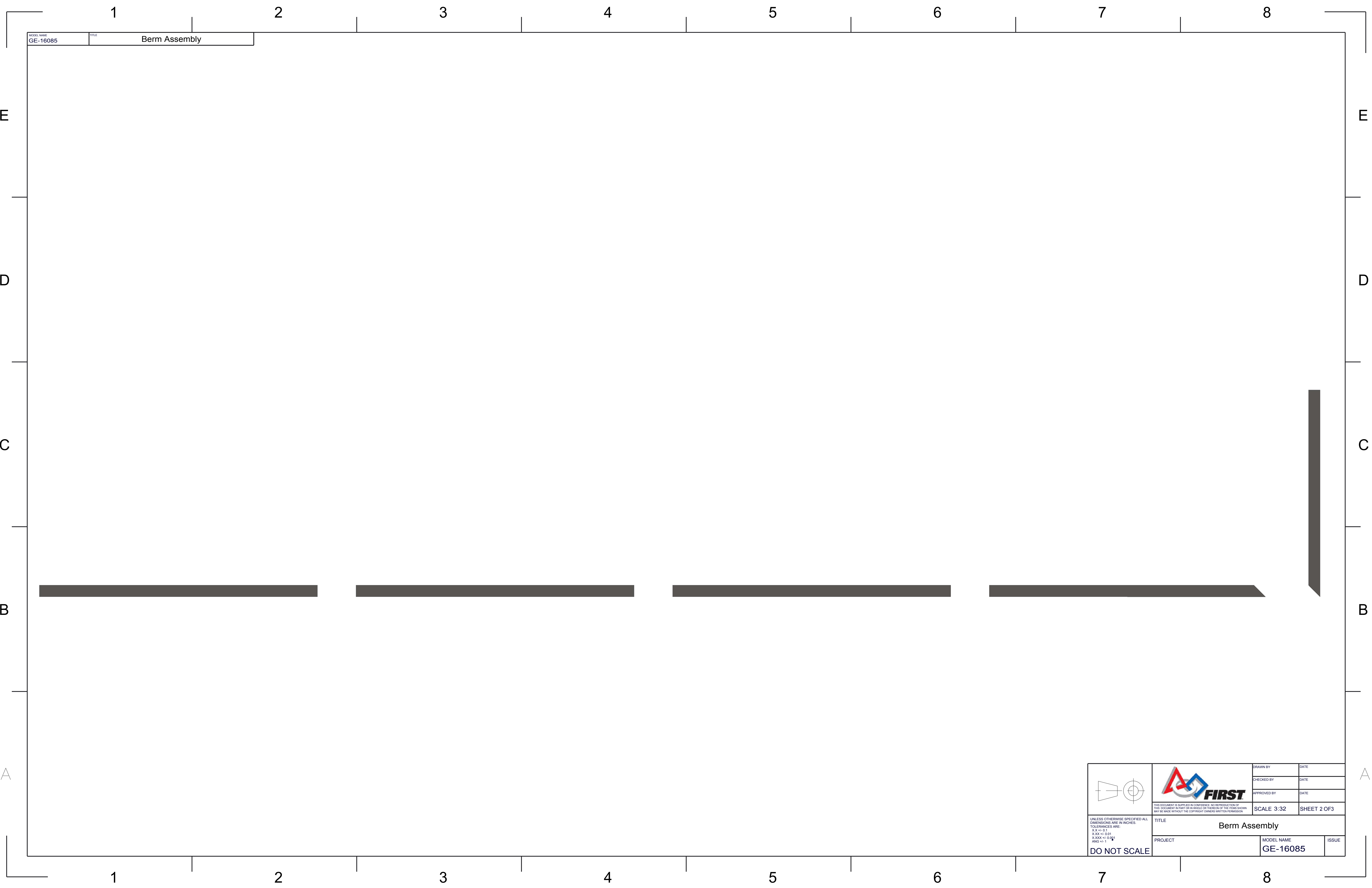
MODEL NAME

GE-16085

ISSUE


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XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE



MODEL NAME
GE-16085

TITLE
Berm Assembly



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
XXX ±0.01
X.XXX ±0.001
ANG ±1

DO NOT SCALE

TITLE Berm Assembly	
PROJECT	MODEL NAME GE-16085
ISSUE	

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DATE

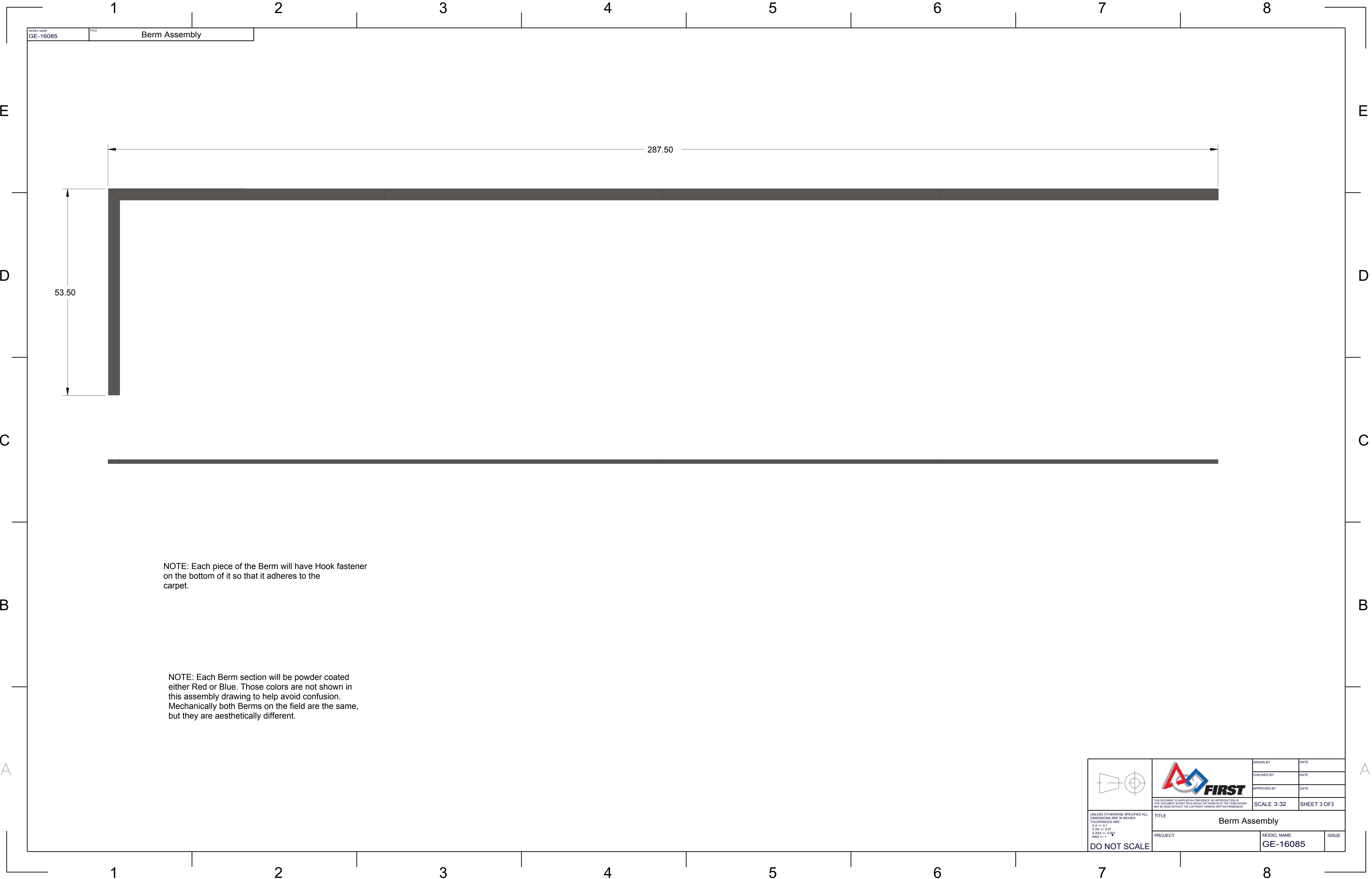
DATE

DATE

SCALE 3:32

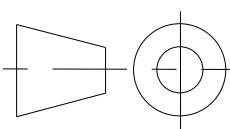

SHEET 2 OF 3

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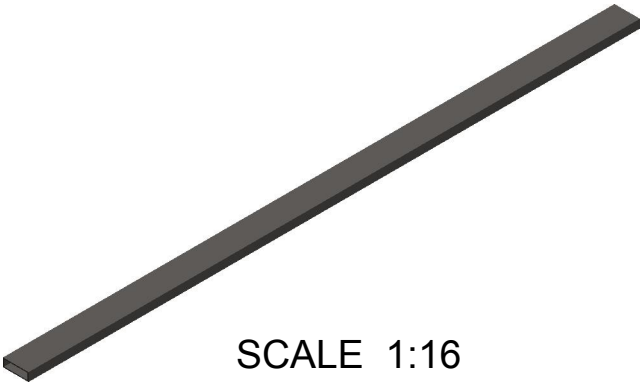
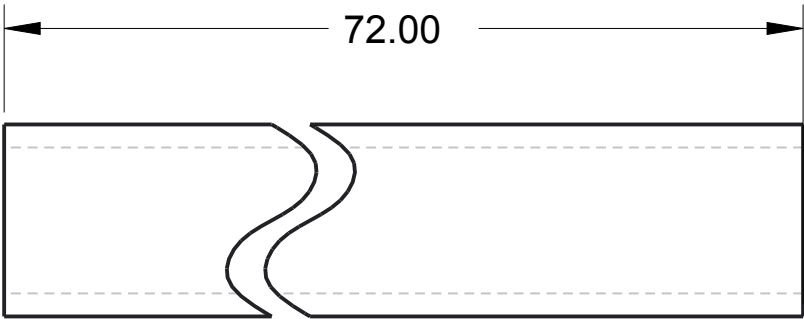
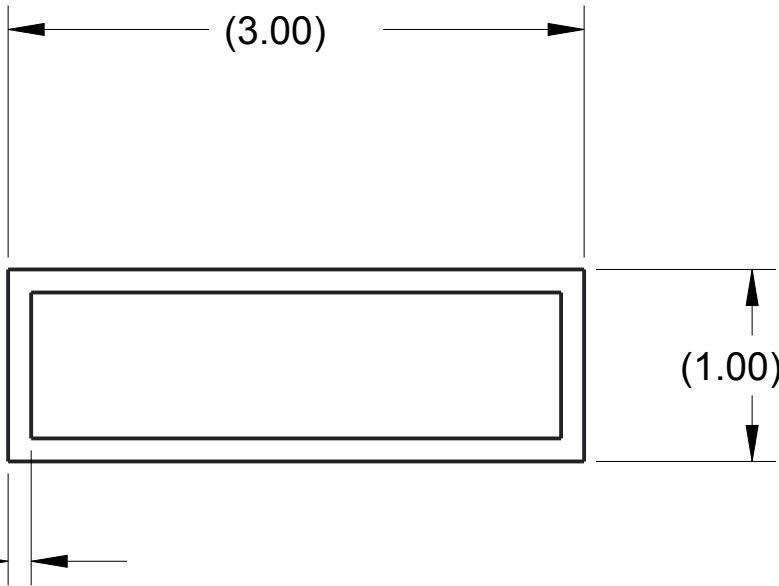


NOTE: Each piece of the Berm will have Hook fastener on the bottom of it so that it adheres to the carpet.

NOTE: Each Berm section will be powder coated either Red or Blue. Those colors are not shown in this assembly drawing to help avoid confusion. Mechanically both Berms on the field are the same, but they are aesthetically different.

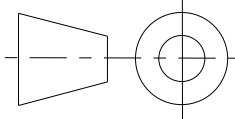
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TOLERANCES ARE: X < .015 X .016 - .031 X .032 - .063 X .064 - .125 X .126 - .250 X .251 - .500 X .501 - 1.000 X 1.001 - 2.000 X 2.001 - 4.000 X 4.001 - 6.000 X 6.001 - 12.000 X 12.001 - 24.000 X 24.001 - 48.000 X 48.001 - 96.000 X 96.001 - 192.000 X 192.001 - 384.000 X 384.001 - 768.000 X 768.001 - 1536.000 X 1536.001 - 3072.000 X 3072.001 - 6144.000 X 6144.001 - 12288.000 X 12288.001 - 24576.000 X 24576.001 - 49152.000 X 49152.001 - 98304.000 X 98304.001 - 196608.000 X 196608.001 - 393216.000 X 393216.001 - 786432.000 X 786432.001 - 1572864.000 X 1572864.001 - 3145728.000 X 3145728.001 - 6291456.000 X 6291456.001 - 12582912.000 X 12582912.001 - 25165824.000 X 25165824.001 - 50331648.000 X 50331648.001 - 100663296.000 X 100663296.001 - 201326592.000 X 201326592.001 - 402653184.000 X 402653184.001 - 805306368.000 X 805306368.001 - 1610612736.000 X 1610612736.001 - 3221225472.000 X 3221225472.001 - 6442450944.000 X 6442450944.001 - 12884901888.000 X 12884901888.001 - 25769803776.000 X 25769803776.001 - 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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
XXX +/- 0.1
XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1
DO NOT SCALE



NOTE

Material: 3" x 1" Rectangular Steel Tube, .12" Wall
Scale: 1:1
Finish: Red or Blue Powder Coat based on Qty Notes



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



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TITLE
B 2

PROJECT

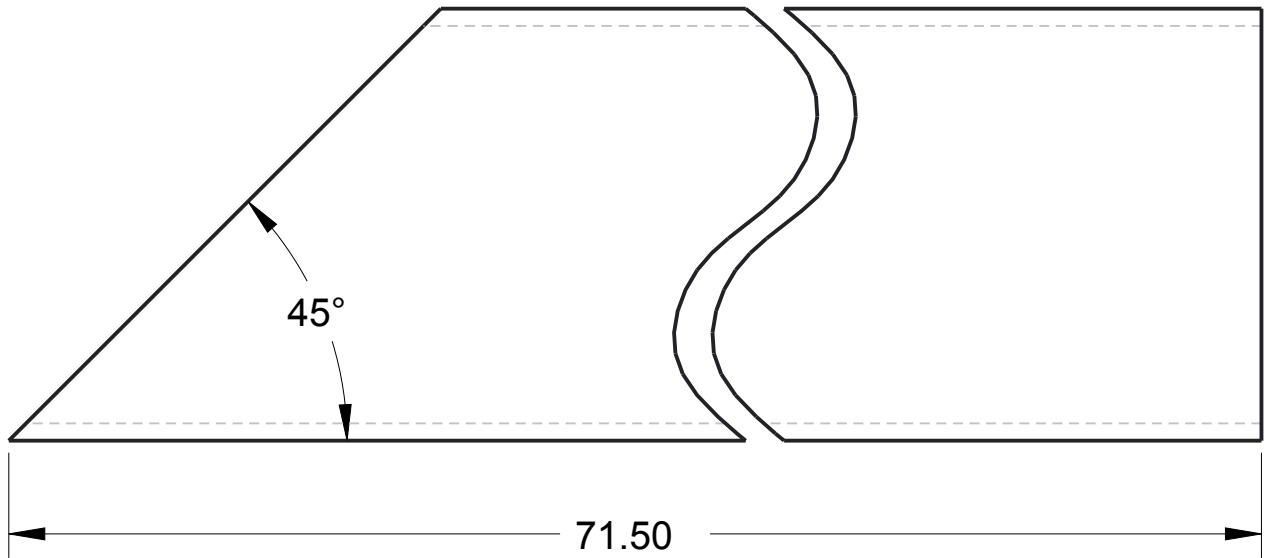
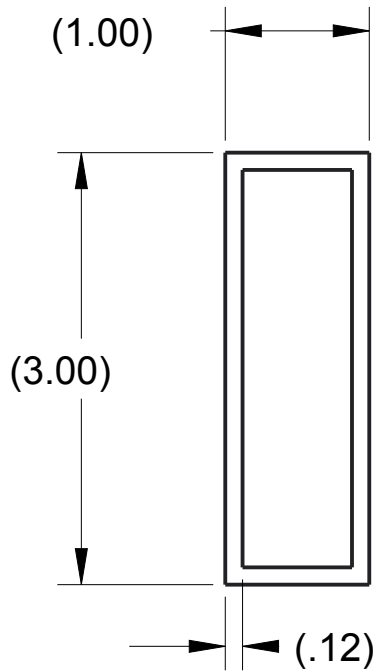
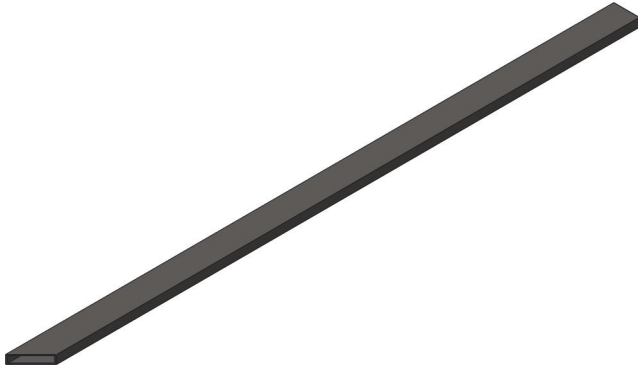
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CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:1	SHEET 1 OF 1

MODEL NAME
GE-16086

ISSUE

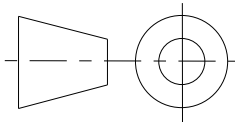
MODEL NAME
GE-16087

TITLE
B 1



NOTE

Material: 3" x 1" Rectangular Steel Tube, .12" Wall
Scale: 3:4
Finish: Red or Blue Powder Coat based on Qty Notes



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

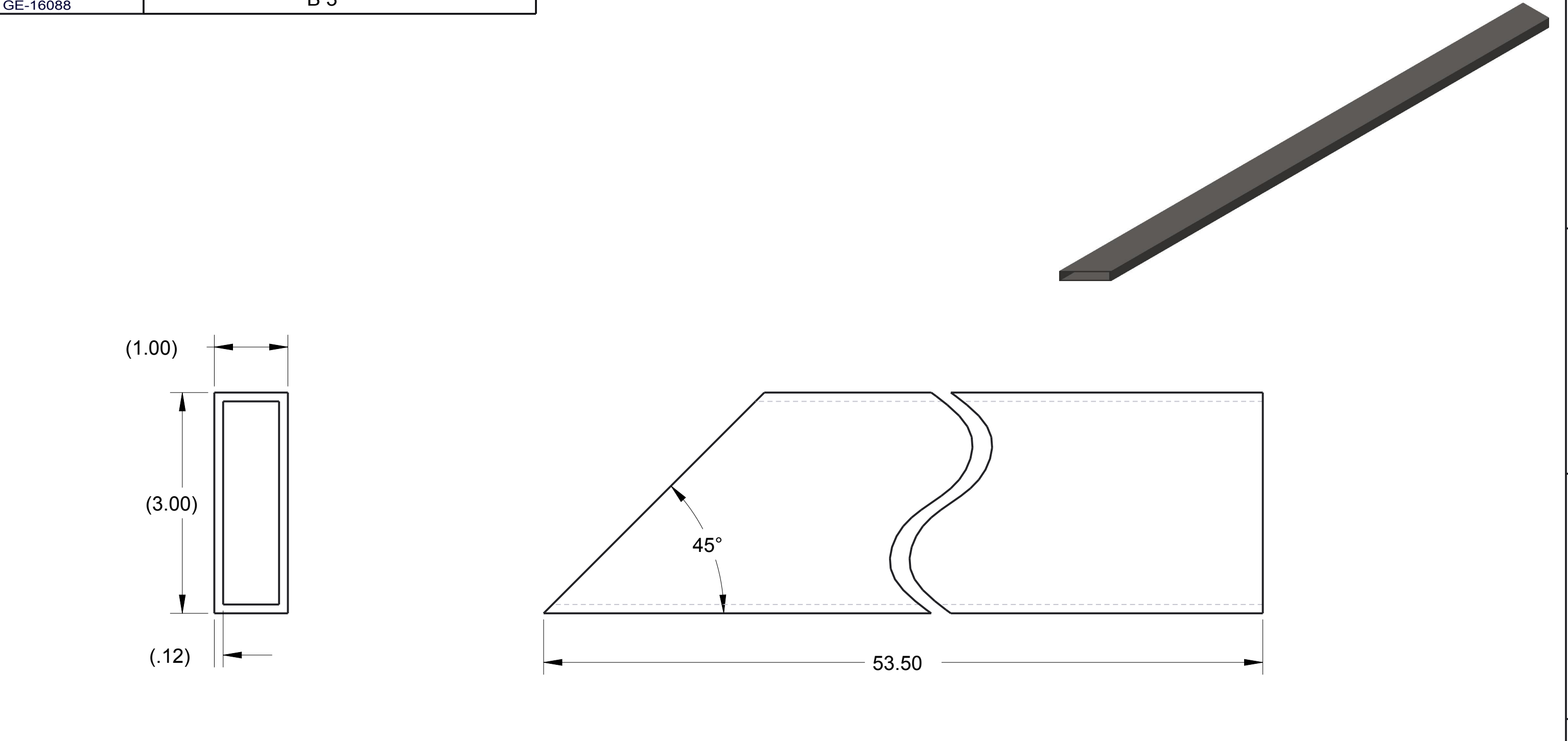
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TITLE B 1	
PROJECT	MODEL NAME GE-16087
ISSUE	

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CHECKED BY	DATE
APPROVED BY	DATE
SCALE 3:4	SHEET 1 OF 1


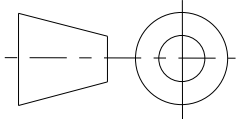


NOTE

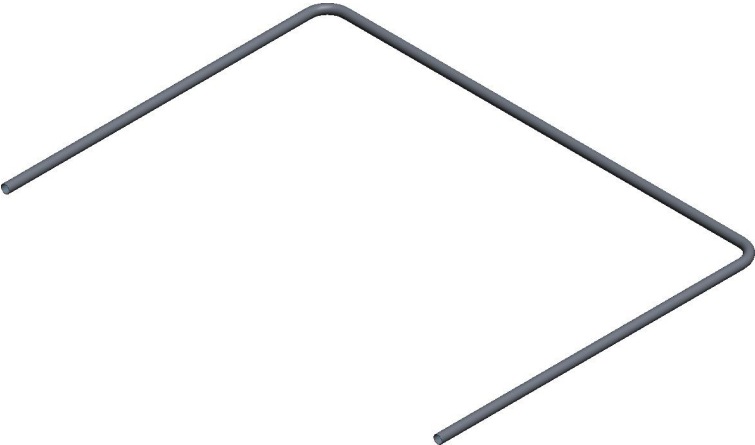
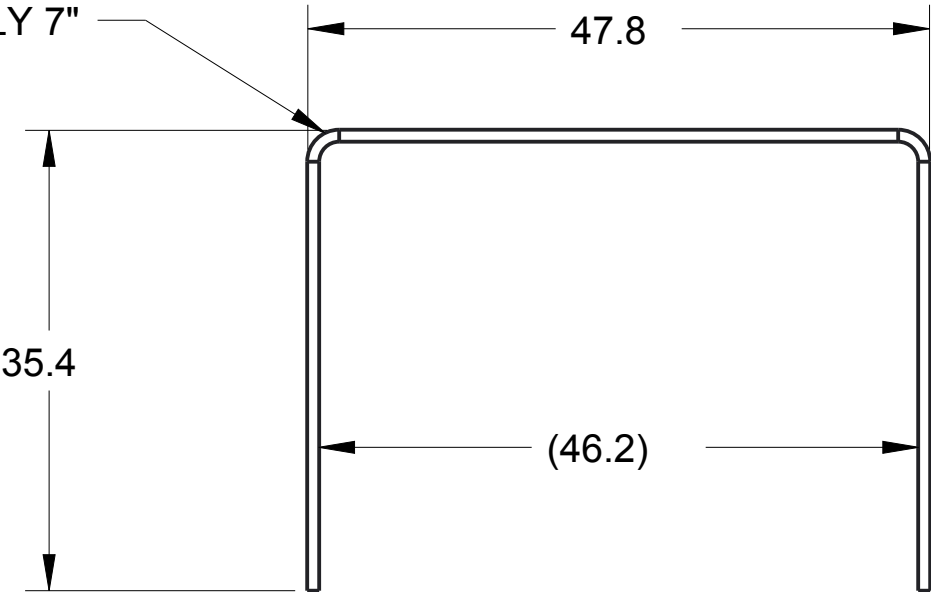
Material: 3" x 1" Rectangular Steel Tube, .12" Wall

Scale: 3:4

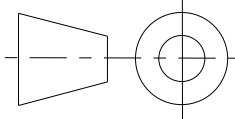
Finish: Red or Blue Powder Coat based on Qty Notes

	DRAWN BY	DATE
	CHECKED BY	DATE
	APPROVED BY	DATE
 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</small> DO NOT SCALE	<small>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION</small>	
	TITLE B 3	
	PROJECT	MODEL NAME GE-16088
		ISSUE

RADIUS APPROXIMATELY 7"



- NOTES:
1. MATERIAL: 3/4" EMT CONDUIT
 2. REMOVE ALL BURRS AND SHARP EDGES.
 3. CONNECTORS MAY BE USED IF NECESSARY.



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

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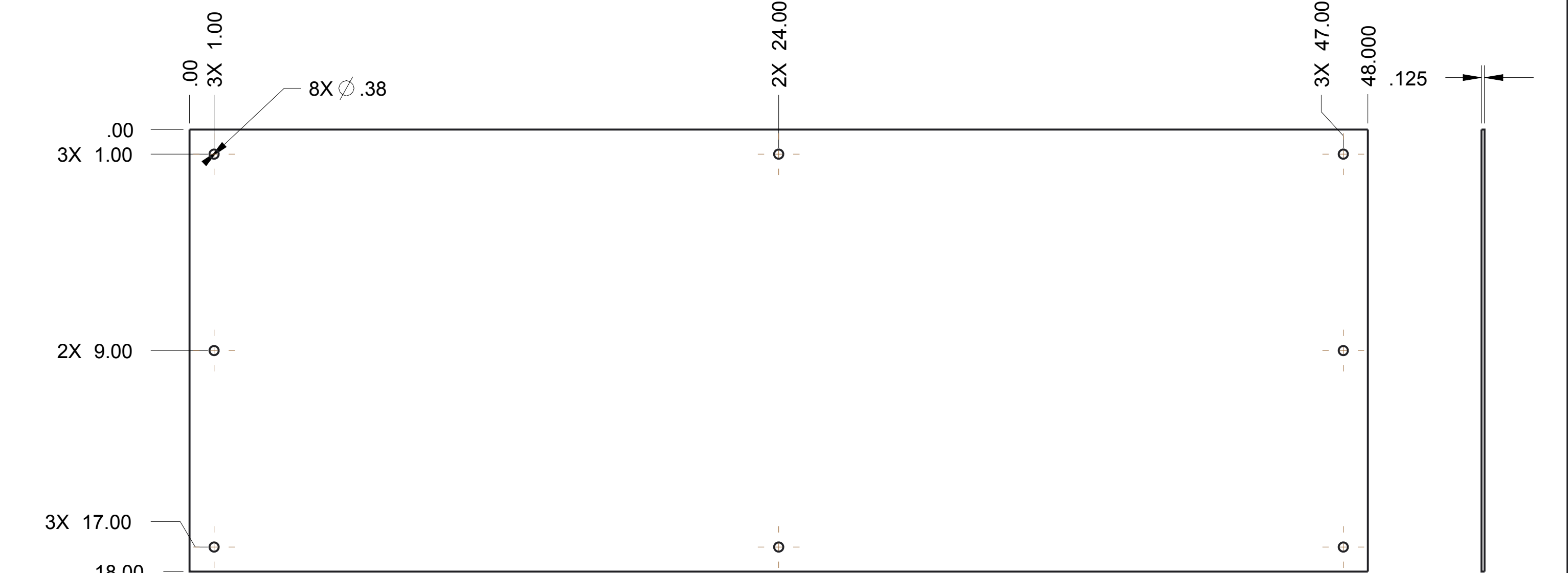
TITLE
EMT, BC

PROJECT


DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 13:192	SHEET 1 OF 1

MODEL NAME
GE-16091

ISSUE



NOTES:
1. MATERIAL: 1/8" CLEAR POLYCARBONATE
2. REMOVE ALL BURRS AND SHARP EDGES.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

DRAWN BY

CHECKED BY

APPROVED BY

DATE

DATE

DATE

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SCALE 1:4

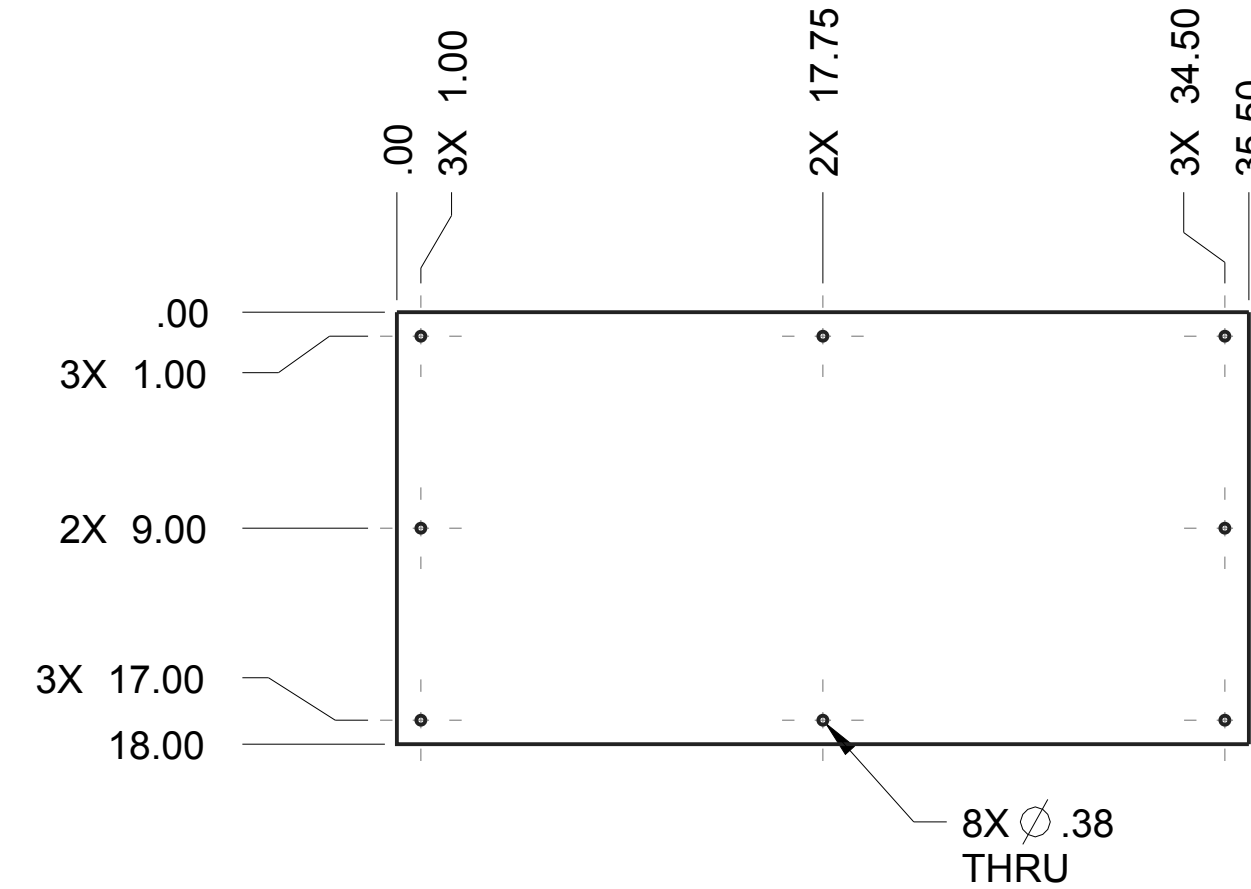
SHEET 1 OF 1

TITLE
BACK, BC

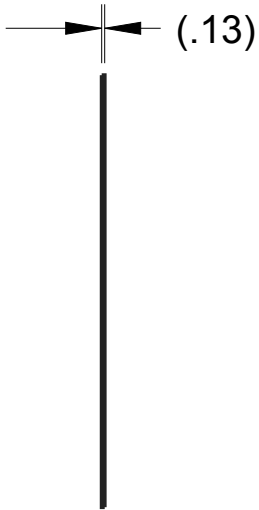
PROJECT

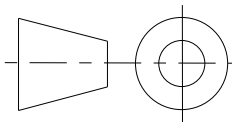

MODEL NAME
GE-16092

ISSUE



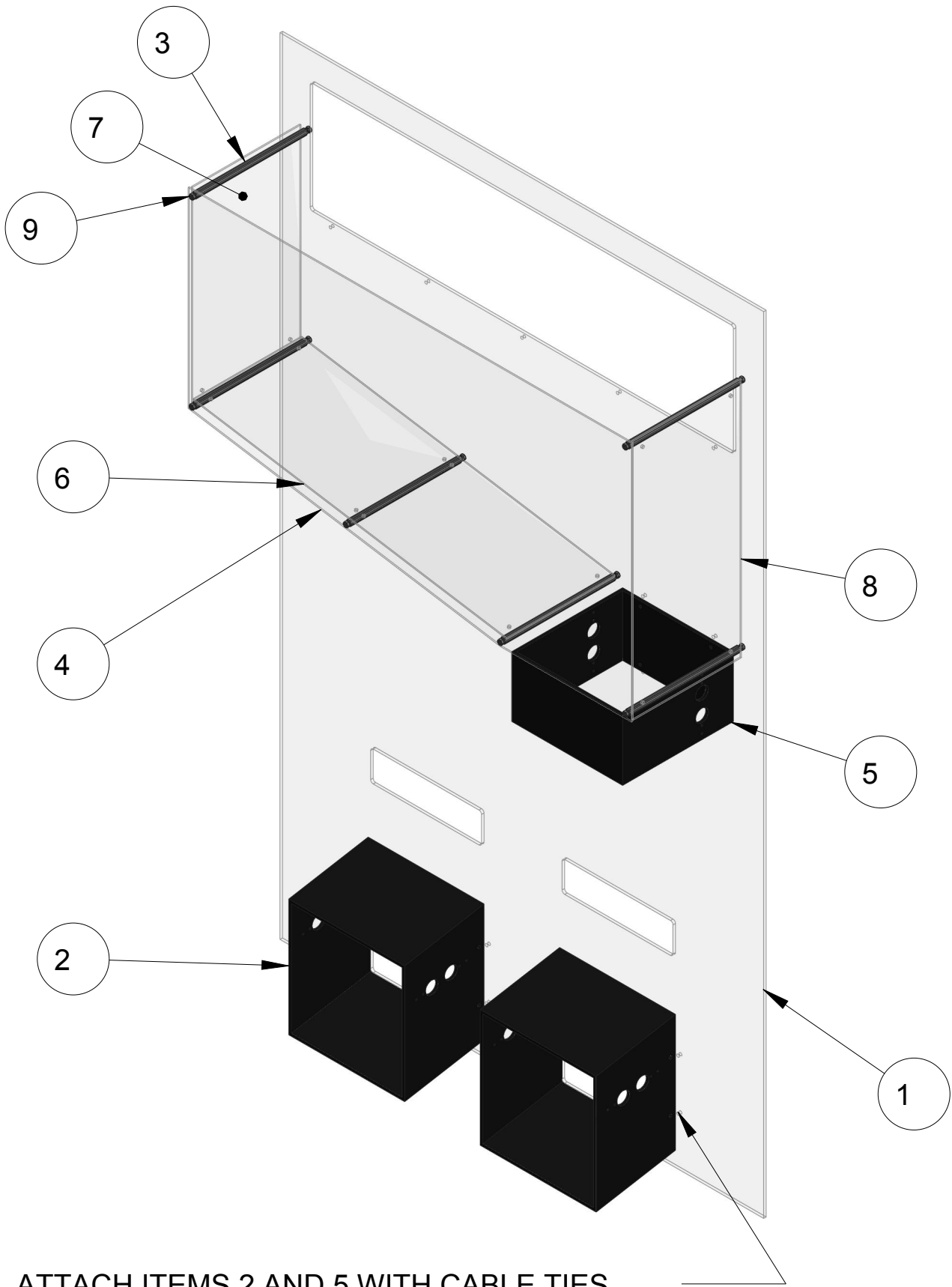
NOTES:
1. MATERIAL: 1/8" CLEAR POLYCARBONATE
2. REMOVE ALL BURRS AND SHARP EDGES



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		CHECKED BY	DATE
		APPROVED BY	DATE
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°	TITLE SIDE, BC		
	PROJECT	MODEL NAME GE-16093	ISSUE
DO NOT SCALE			

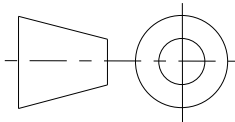
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



ATTACH ITEMS 2 AND 5 WITH CABLE TIES.
4 PLACES EACH.

ITEM NO	PART NUMBER	QTY	DESCRIPTION
1	GE-16098	1	back panel, tower
2	GE-16099	2	scoring box, low
3	GE-16100	6	churro, 11"
4	GE-16101	1	scoring plate
5	GE-16102	1	scoring box, high
6	GE-16103	1	ramp, back panel
7	GE-16104	1	side, back panel
8	GE-16105	1	side 2, back panel
9	HW-00012	12	CAP SCREW, HEX, 1/4-20 X .75"



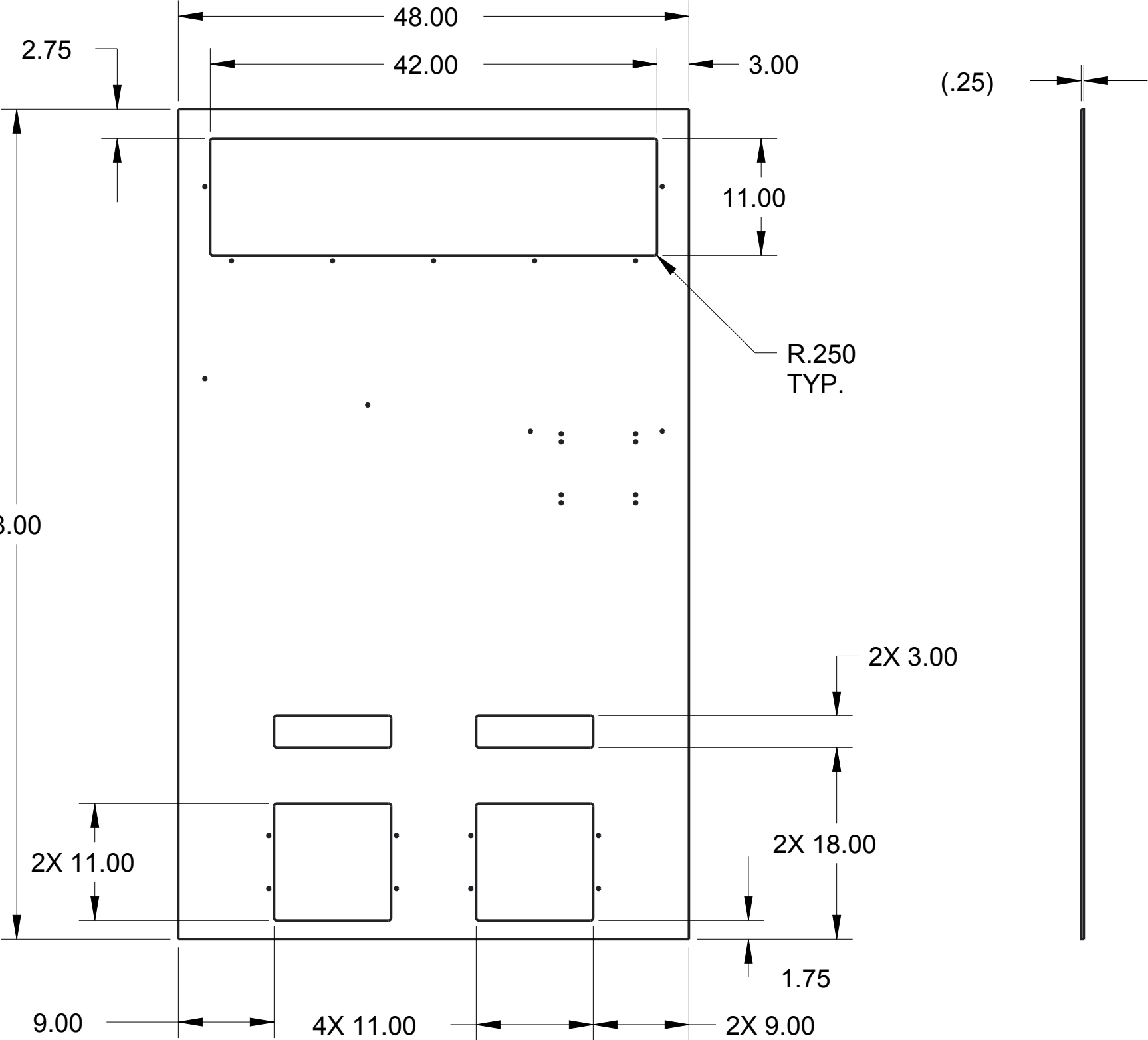
UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- .1°

DO NOT SCALE

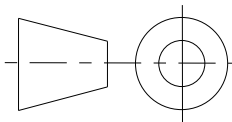



DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 19:192	SHEET 1 OF 1

TITLE SCORING PANEL ASSEMBLY		
PROJECT	MODEL NAME GE-16097	ISSUE



NOTES:
1. MATERIAL: 1/4" CLEAR POLYCARBONATE
2. REMOVE ALL BURRS AND SHARP EDGES.

		DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
	THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION		SCALE 1:12
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°			
TITLE LOWER PANEL			
PROJECT		MODEL NAME GE-16098	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°
DO NOT SCALE

D

D

C

C

B

B

A

A

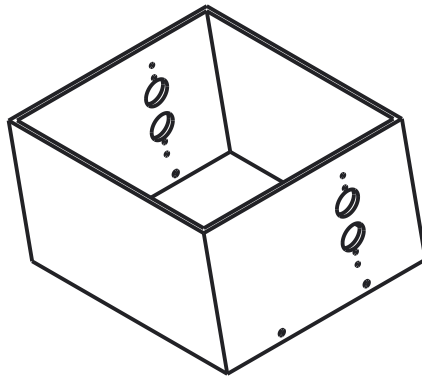
MODEL NAME	TITLE
GE-16099	LG SB

2X .700 2X .860

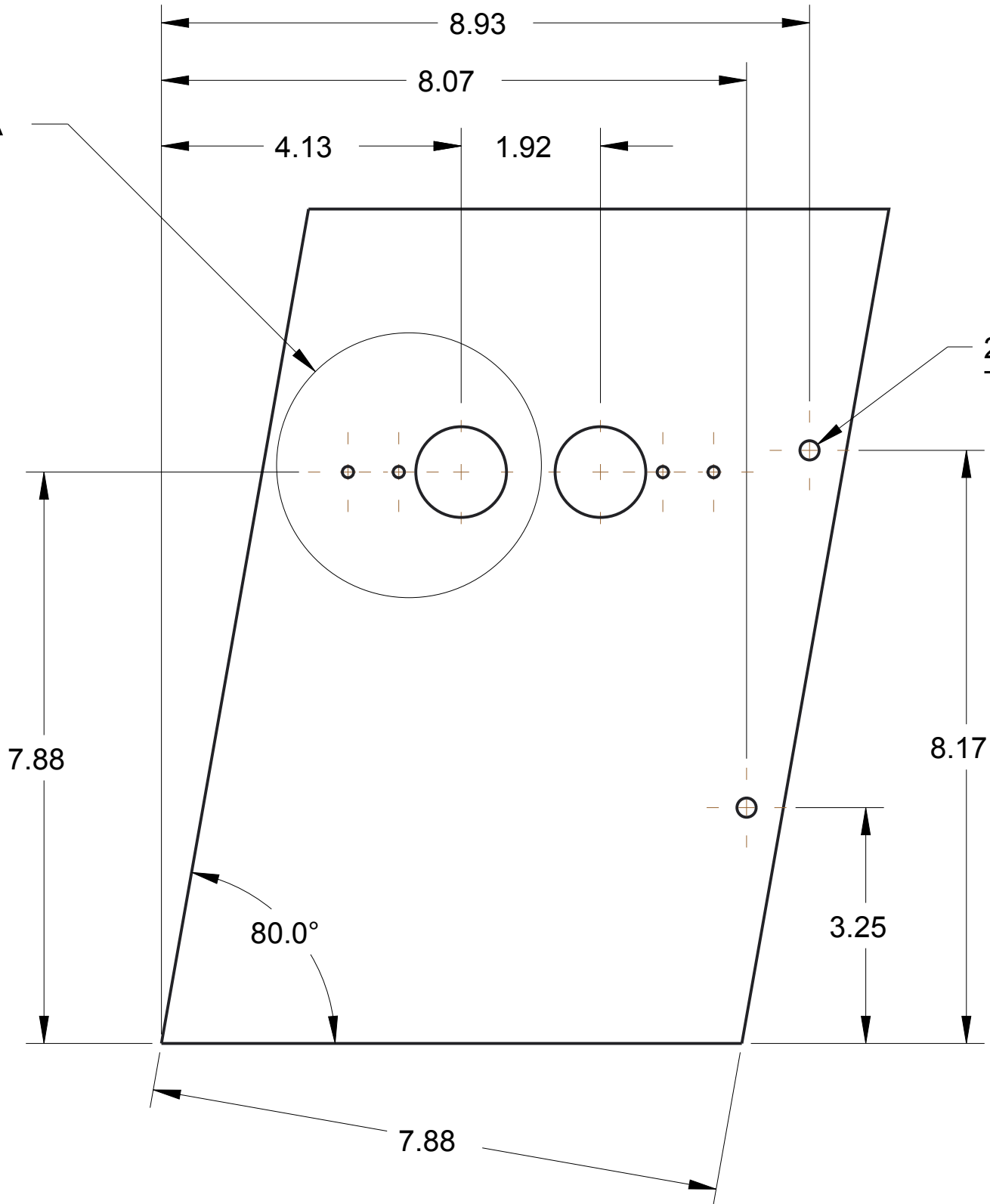
4X \varnothing .156
THRU ALL

2X \varnothing 1.25
THRU ALL

DETAIL A
SCALE 1:1



SEE DETAIL A



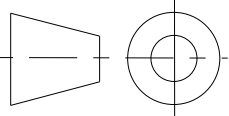

2X \varnothing .265
THRU ALL

WELD PERMISSIBLE
4 PLACES

11.50

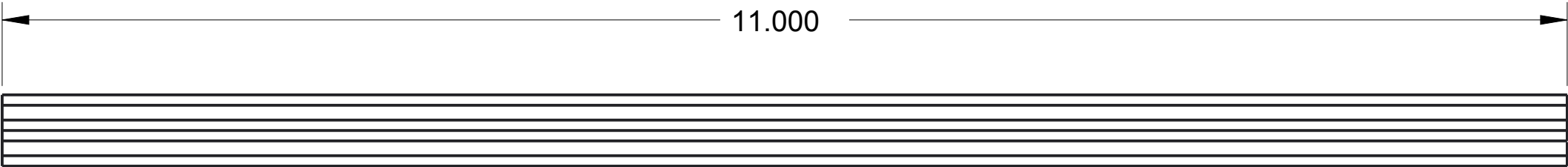
11.50

NOTES:
1. MATERIAL: 1/4" BLACK HDPE
2. REMOVE ALL BURRS AND SHARP EDGES.

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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:2	SHEET 1 OF 1
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1	TITLE LG SB		
	PROJECT	MODEL NAME GE-16099	ISSUE
	DO NOT SCALE		

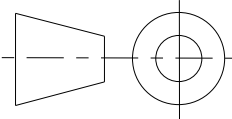


SCALE 1:4



1/4-20 UNC-2B ∇ 1.25
BOTH ENDS

NOTES:
1. MATERIAL: ANDYMARK CHURRO (AM-2974).



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- \uparrow

DO NOT SCALE



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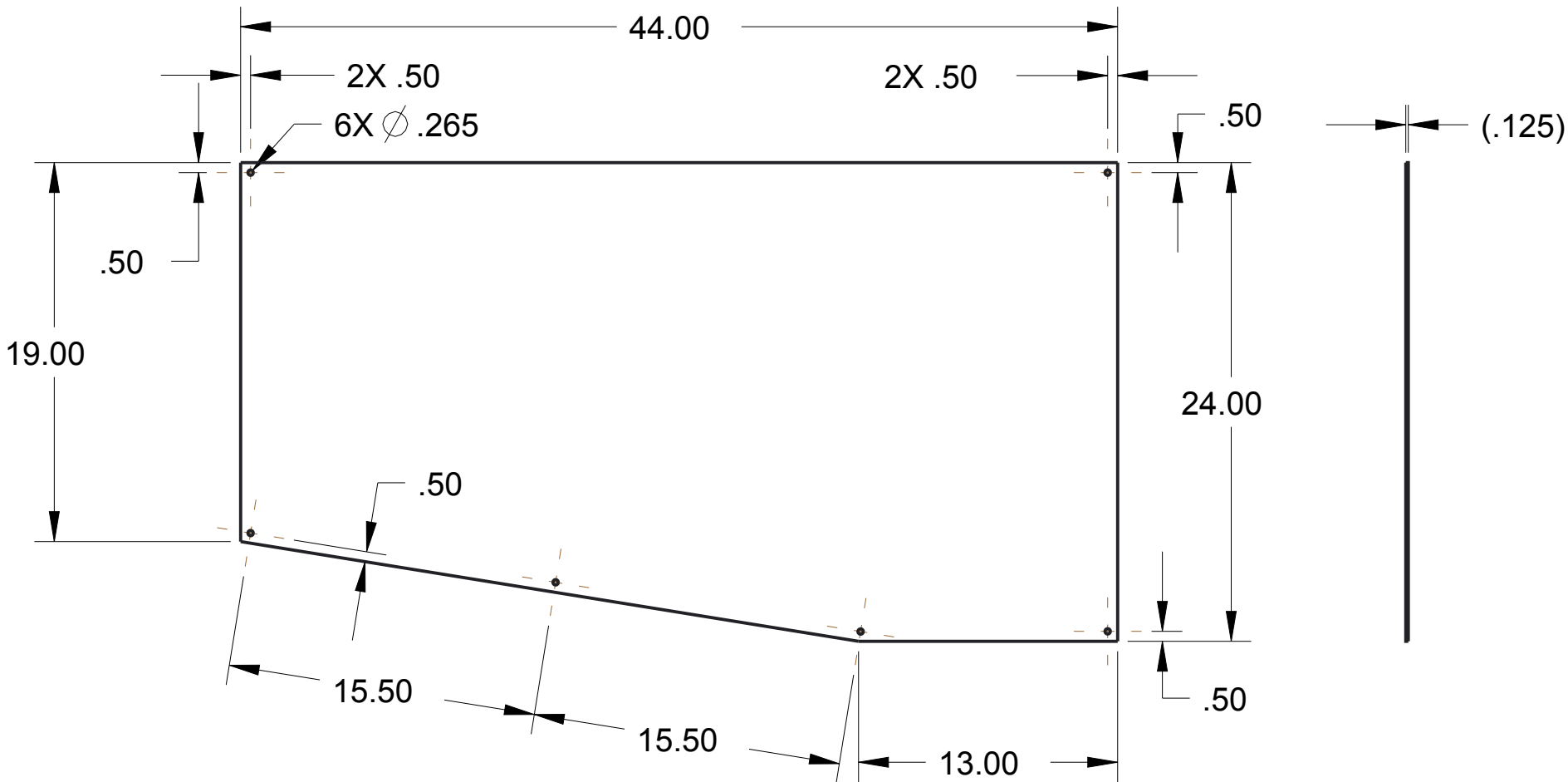
TITLE
CHURRO

PROJECT


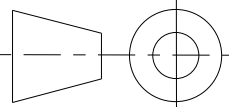
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:1	SHEET 1 OF 1

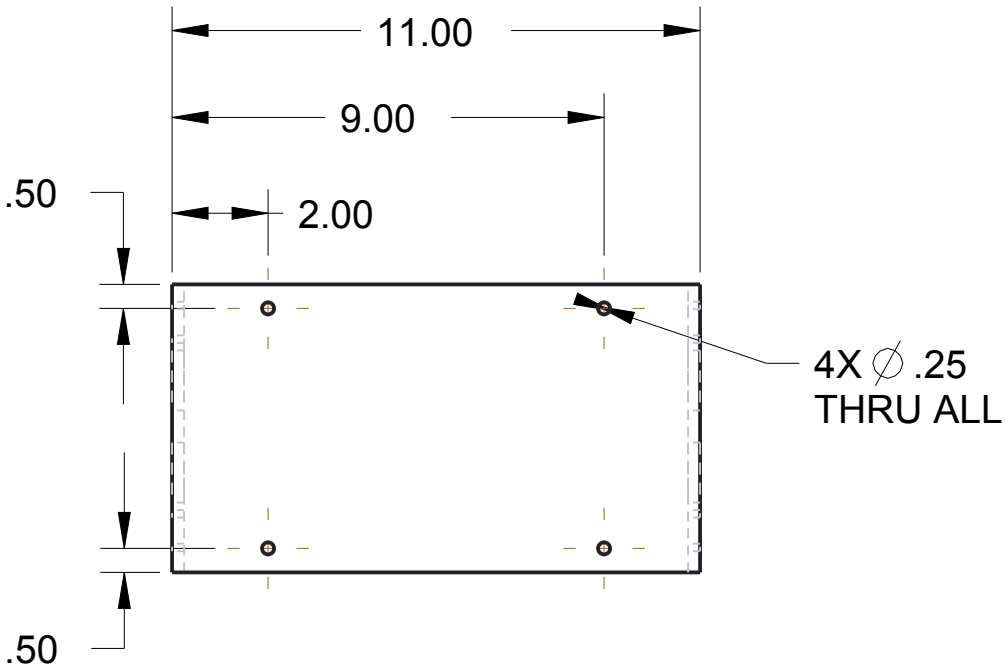
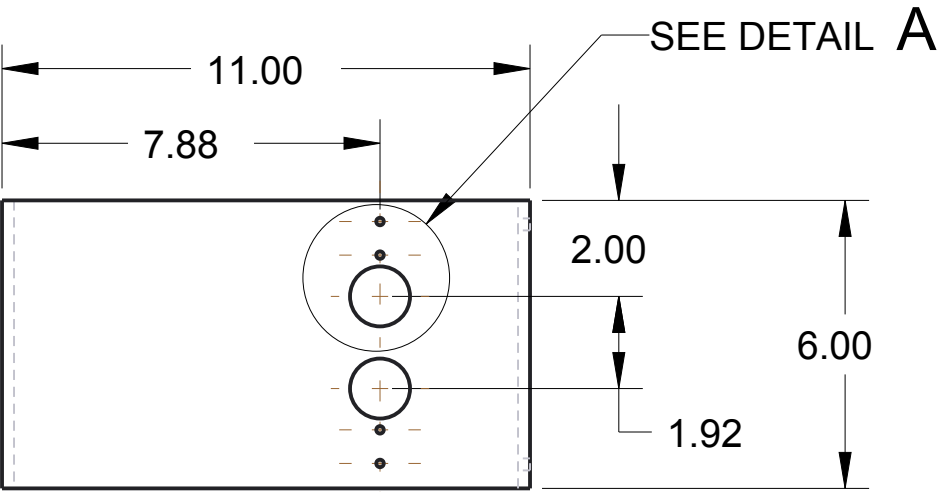
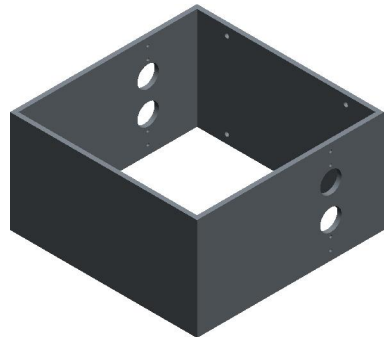
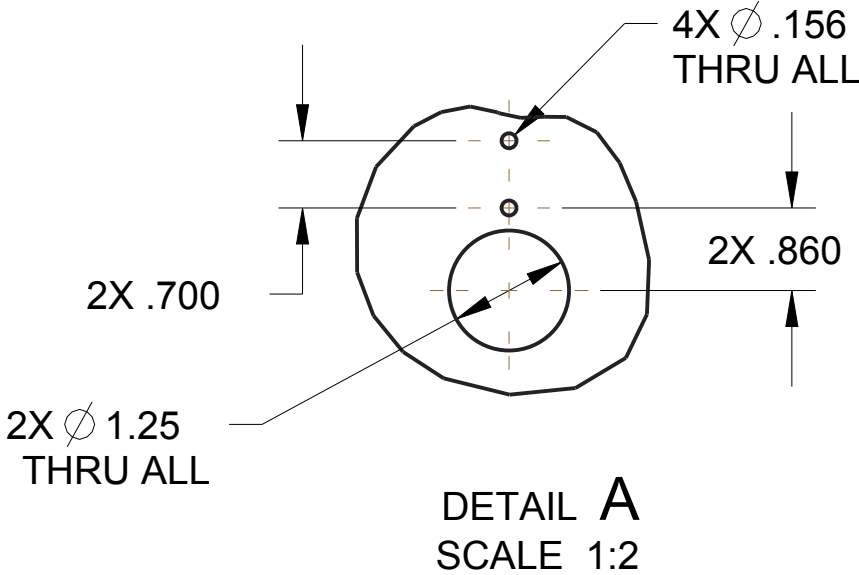
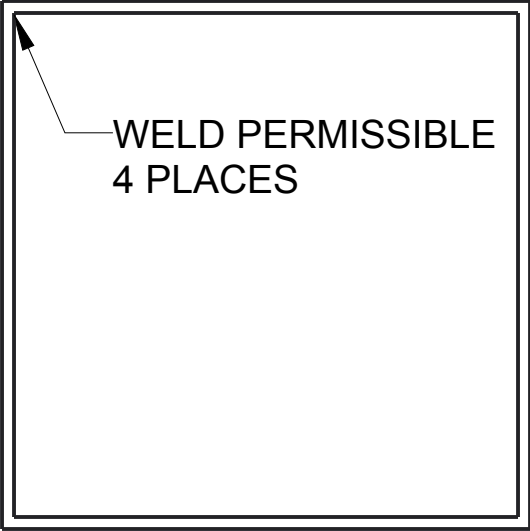
MODEL NAME
GE-16100

ISSUE

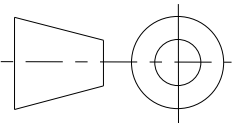



NOTES:
1. MATERIAL: 1/8" CLEAR POLYCARBONATE
2. REMOVE ALL BURRS AND SHARP EDGES.

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	CHECKED BY	DATE
	APPROVED BY	DATE
	SCALE 1:8	SHEET 1 OF 1
 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</small> DO NOT SCALE	TITLE FUNNEL, BACK	
	PROJECT	MODEL NAME GE-16101
	ISSUE	

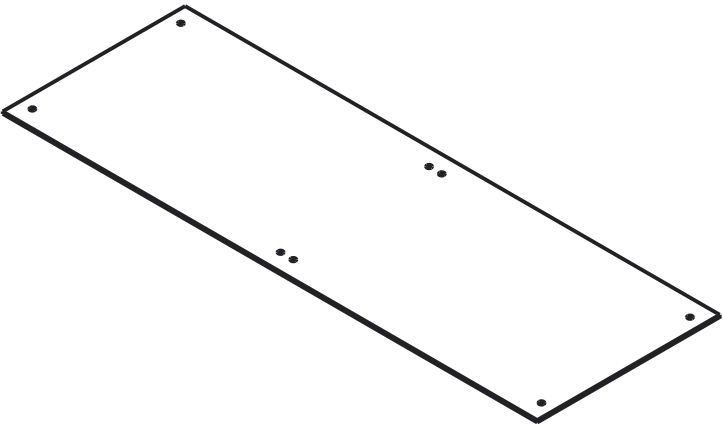


NOTES:
1. MATERIAL: 1/4" BLACK, HDPE
2. REMOVE ALL BURRS AND SHARP EDGES.

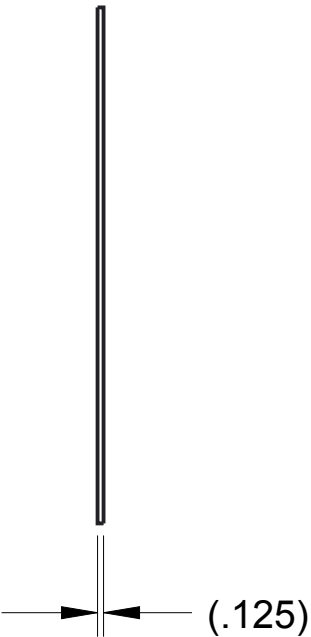
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		CHECKED BY	DATE
		APPROVED BY	DATE
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	PROJECT	MODEL NAME GE-16102	ISSUE
DO NOT SCALE			

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DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

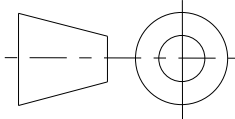


SCALE 1:8



8X \varnothing .25 THRU

- NOTES:
- 1. MATERIAL: 1/8" CLEAR POLYCARBONATE
 - 2. REMOVE ALL BURRS AND SHARP EDGES.



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

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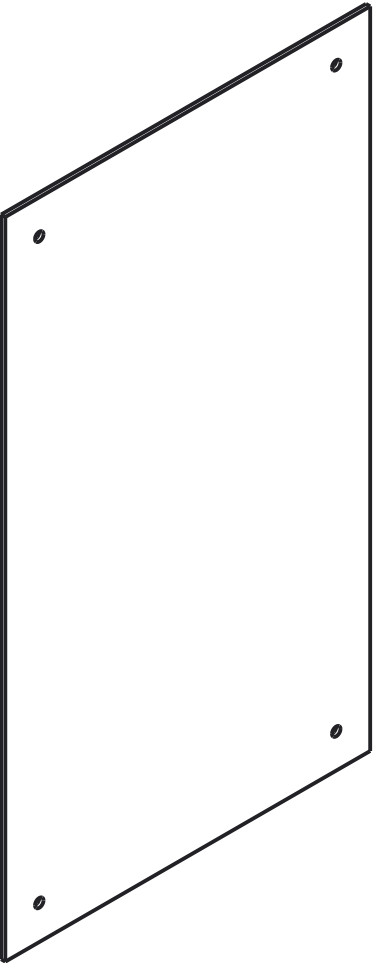
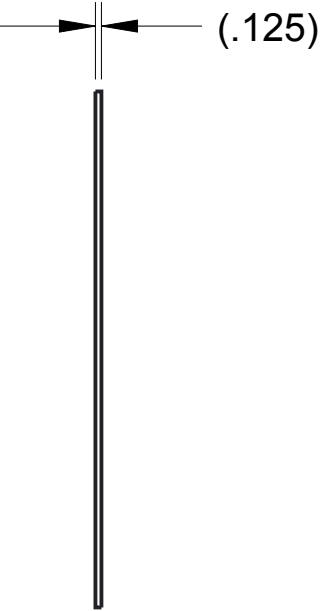
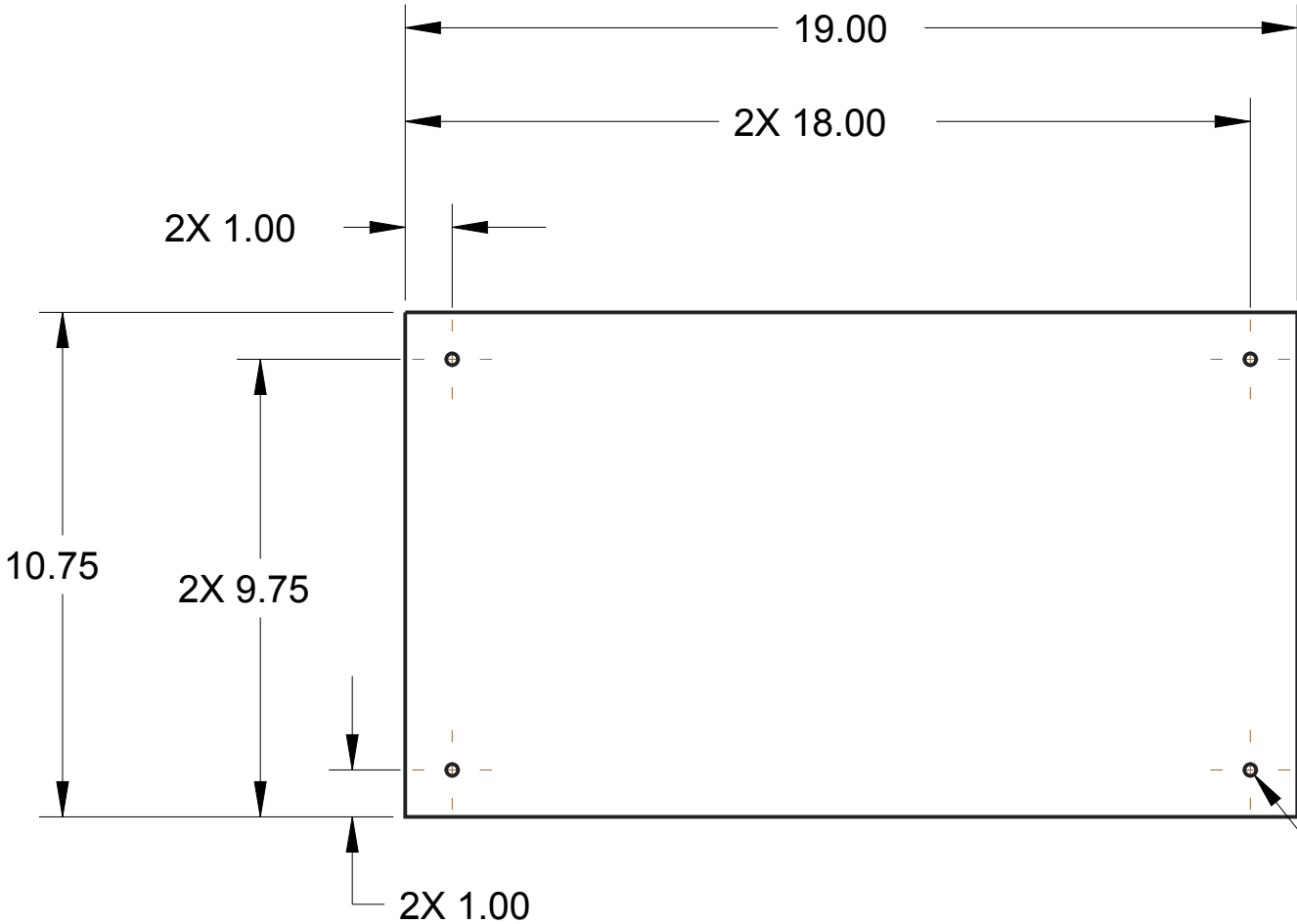
TITLE
RAMP, HGF

PROJECT

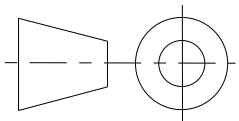

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:4	SHEET 1 OF 1

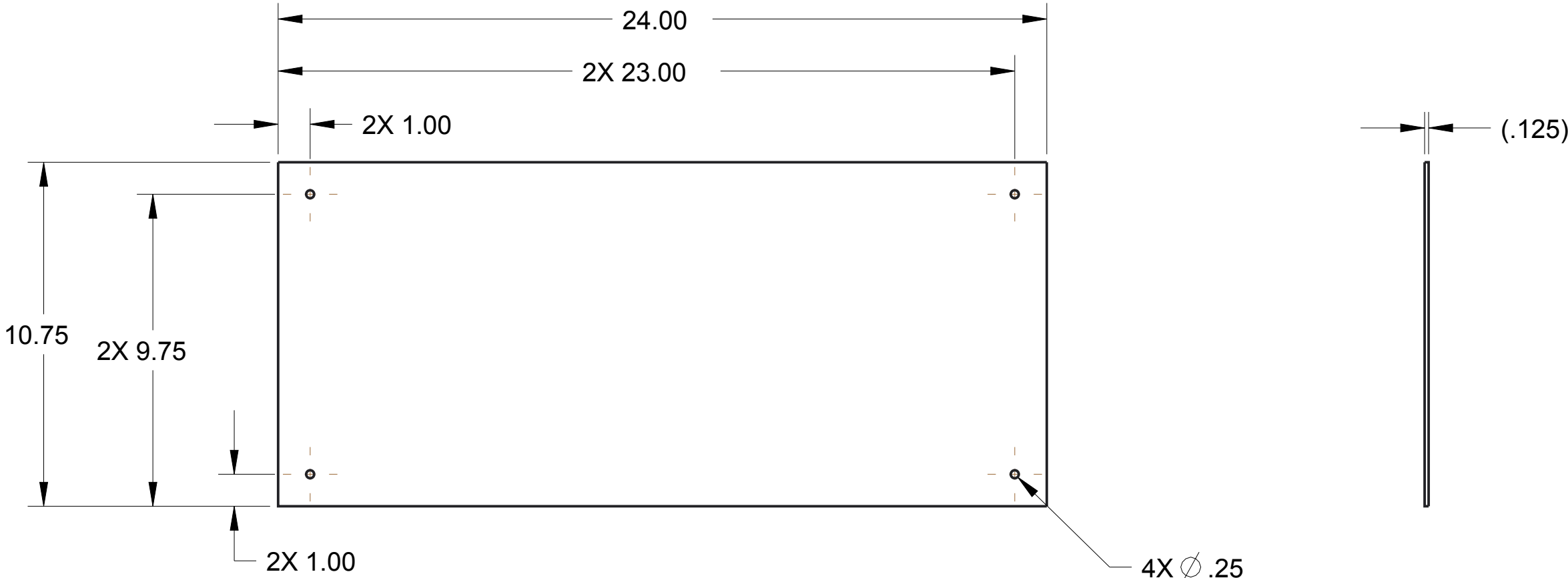
MODEL NAME
GE-16103

ISSUE




NOTES:
1. MATERIAL: 1/8" CLEAR POLYCARBONATE
2. REMOVE ALL BURRS AND SHARP EDGES.

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	PROJECT	MODEL NAME GE-16104	ISSUE
DO NOT SCALE			



NOTES:
1. MATERIAL: 1/8" CLEAR POLYCARBONATE
2. REMOVE ALL BURRS AND SHARP EDGES



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SCALE 1:4	SHEET 1 OF1

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

TITLE

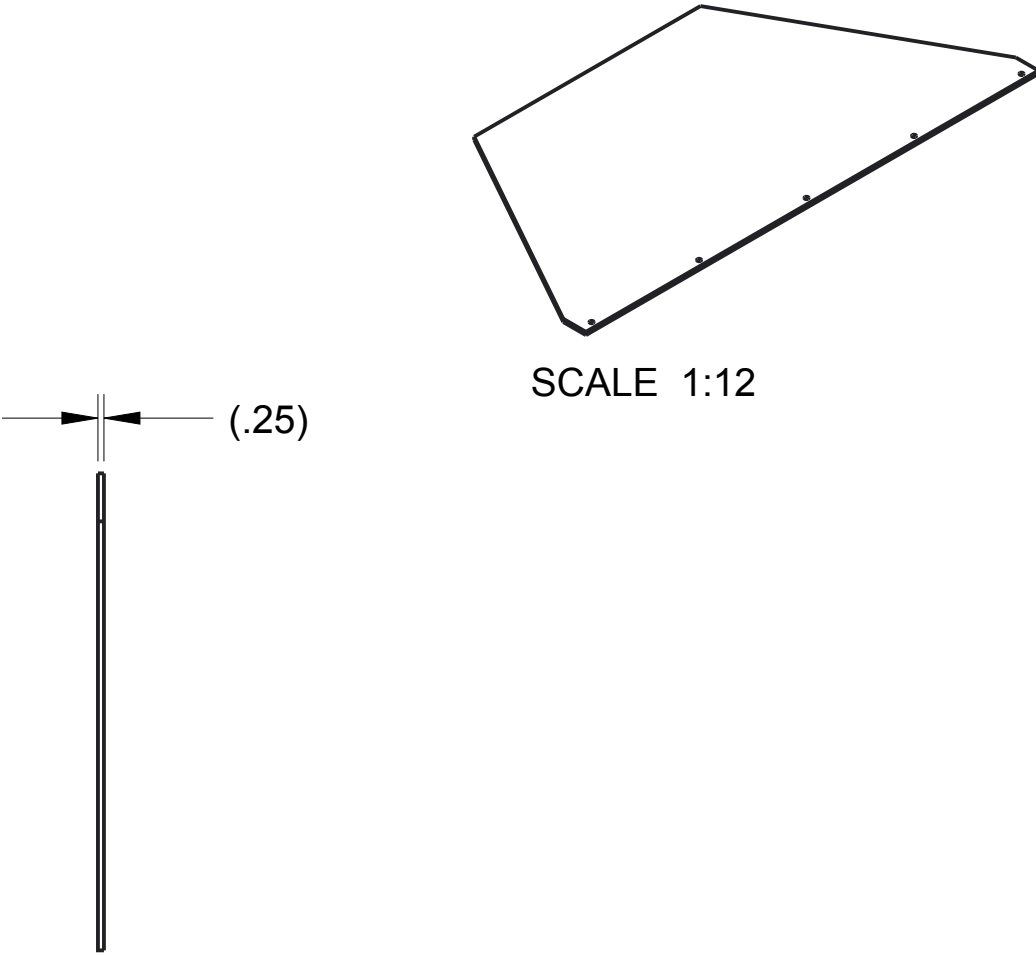
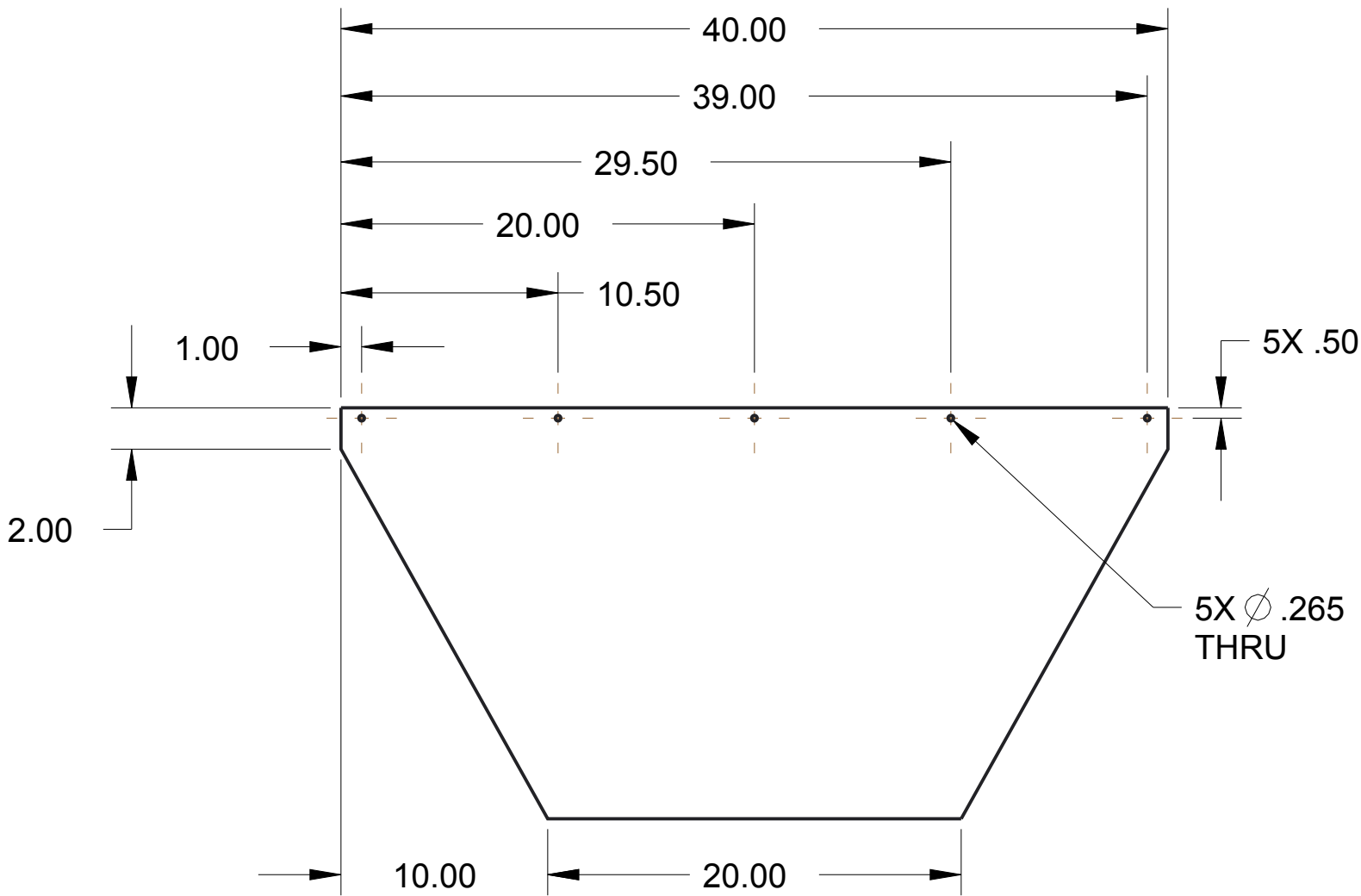
SIDE 2, HGF

PROJECT

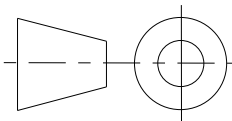

MODEL NAME

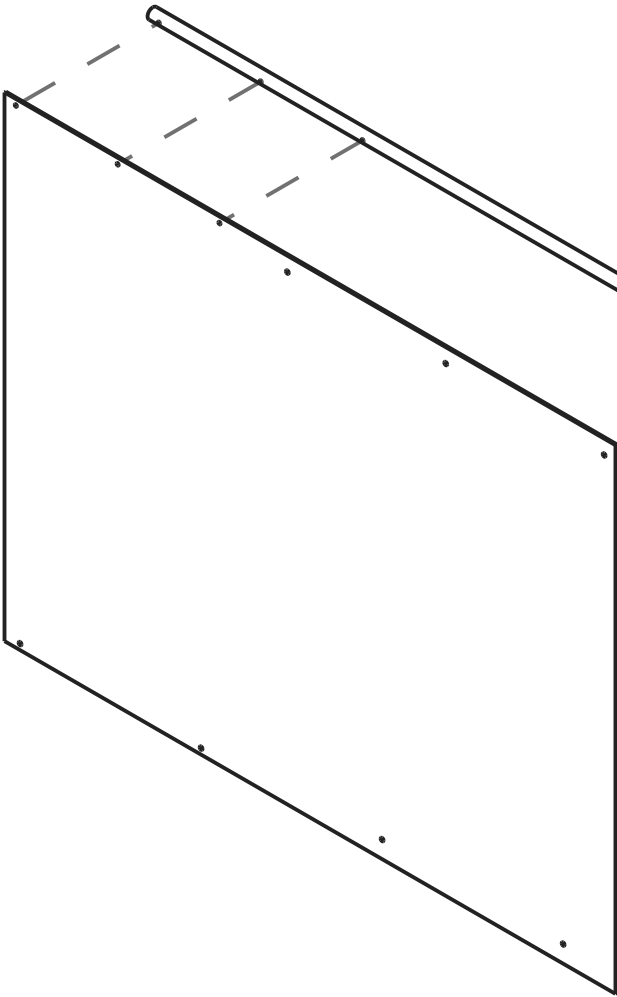
GE-16105

ISSUE



NOTES:
1. MATERIAL: 1/4" CLEAR POLYCARBONATE
2. REMOVE ALL BURRS AND SHARP EDGES.

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		APPROVED BY	DATE
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	PROJECT	MODEL NAME GE-16106	ISSUE
DO NOT SCALE			



POSITION ITEM 3 SO THAT IT IS PROTRUDING FROM ITEM 2 BY 4". USING A 3/16 DRILL BIT, DRILL AND RIVET WITH A 3/16" RIVET.

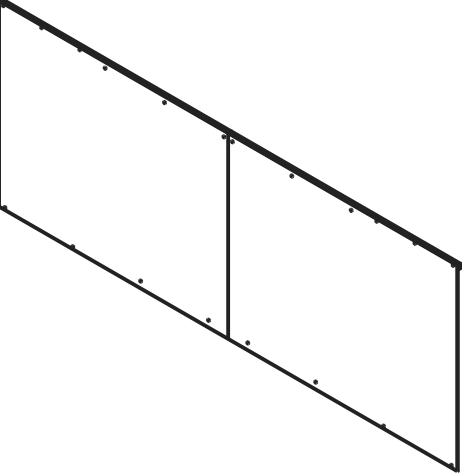
3

2

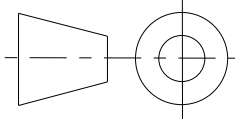
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ATTACH ITEM 1 TO ITEM 2 WITH A 3/16" RIVET. 6 PLACES.

SCALE 1:32



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16108	2	backboard	
2	GE-16109	2	emt 1, backboard	
3	GE-16111	1	insert tube, backboard	



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TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

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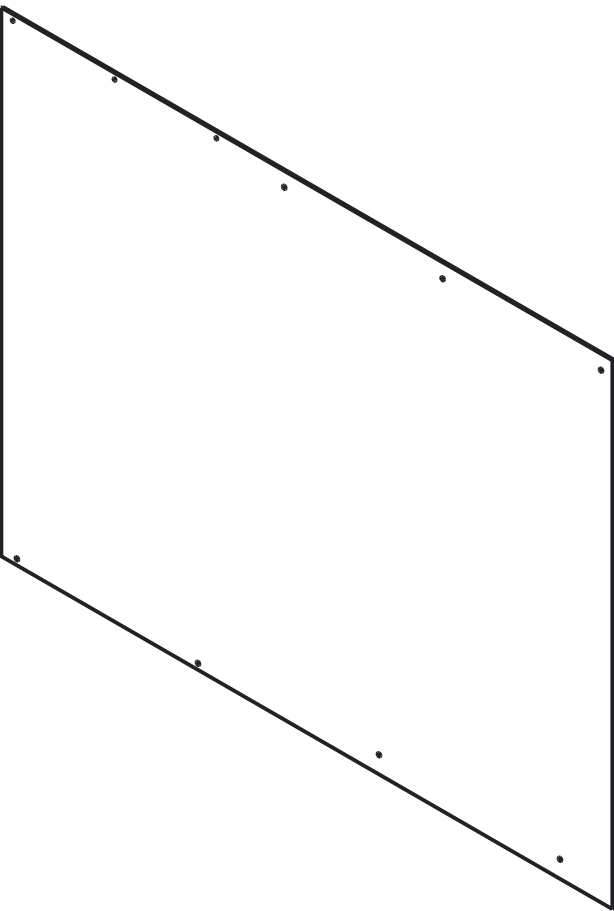
TITLE
BACKBOARD ASSEMBLY

PROJECT

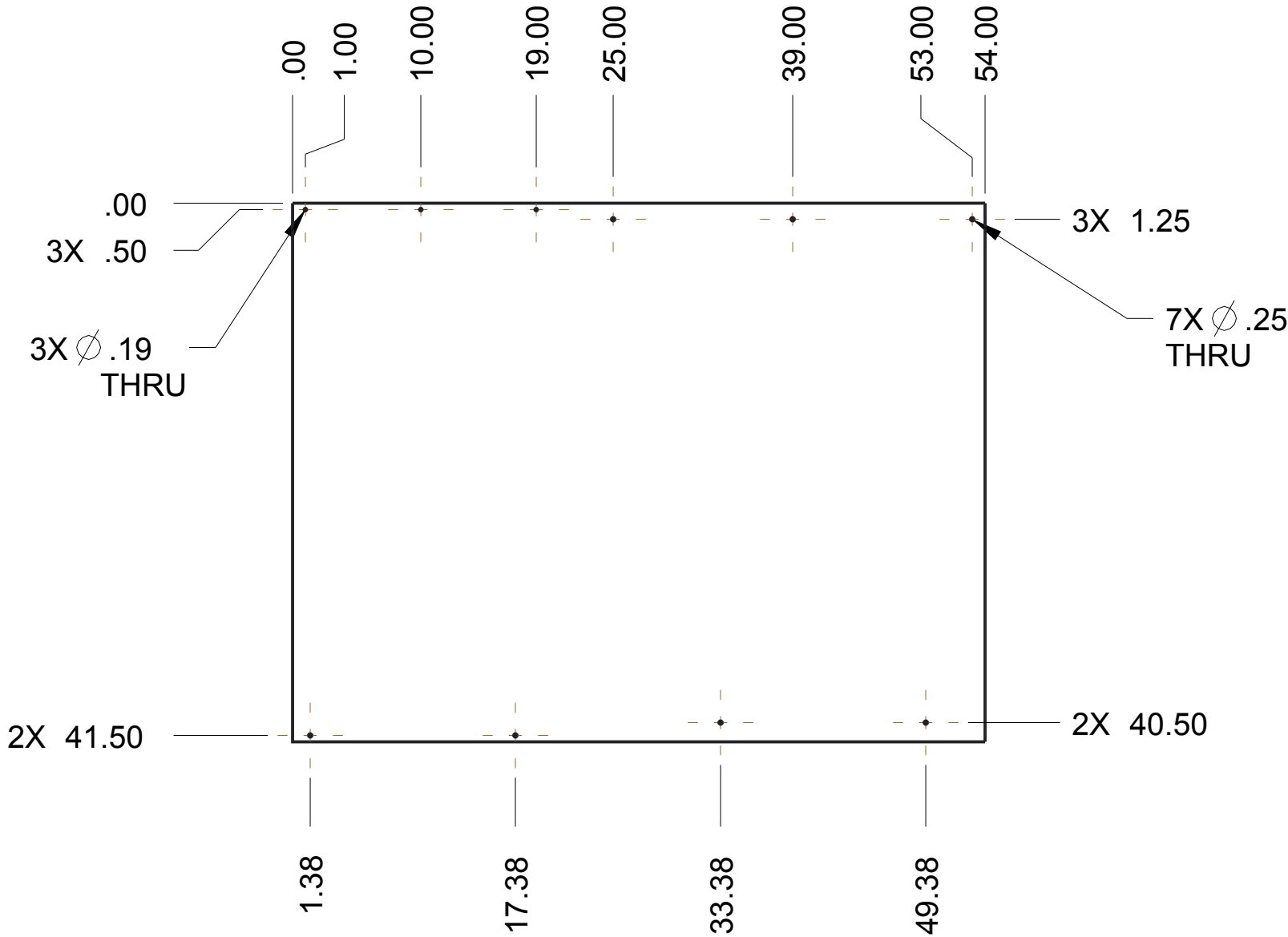
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:12	SHEET 1 OF 1

MODEL NAME
GE-16107

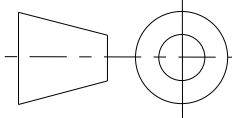

ISSUE

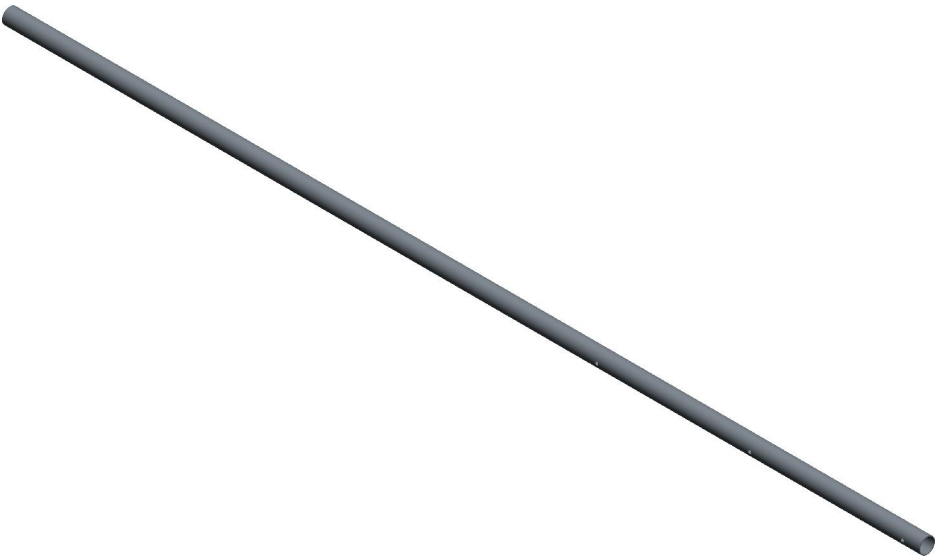


SCALE 1:12

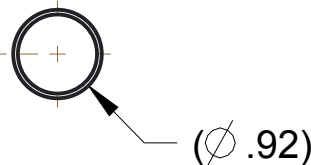
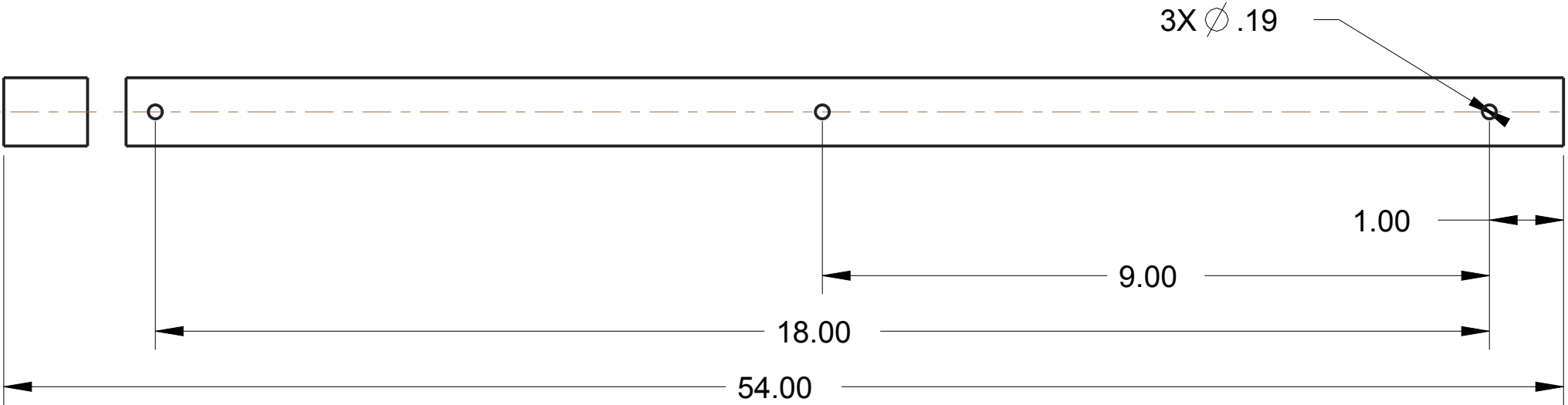


NOTES:
1. MATERIAL: 1/8" CLEAR POLYCARBONATE.
2. REMOVE ALL BURRS AND SHARP EDGES

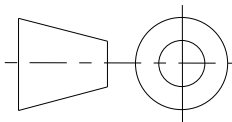

		DRAWN BY	DATE
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		APPROVED BY	DATE
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°	TITLE BB		
	PROJECT	MODEL NAME GE-16108	ISSUE
	DO NOT SCALE		

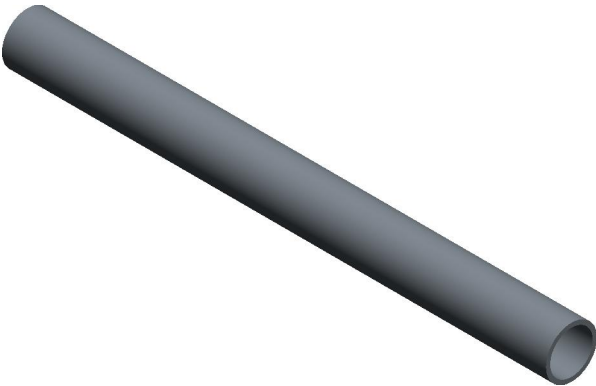


SCALE 1:8

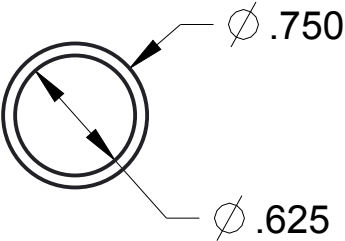
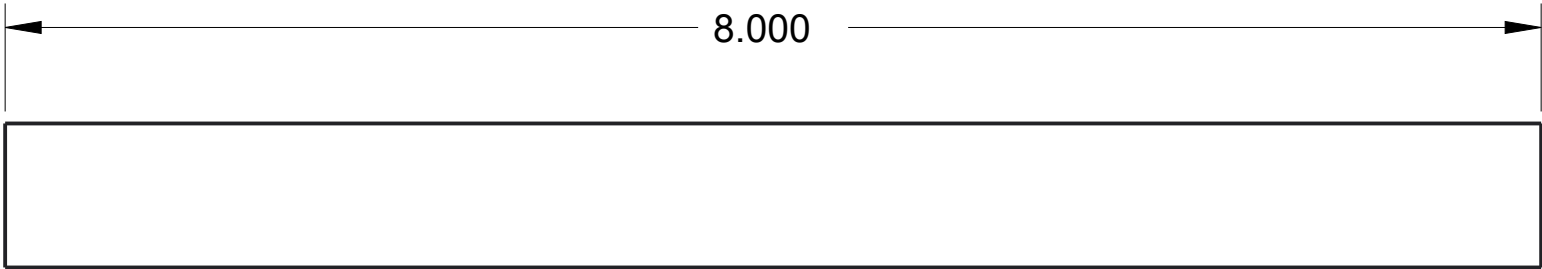


NOTES:
1. MATERIAL: 3/4" EMT TUBING
2. REMOVE ALL BURRS AND SHARP EDGES.

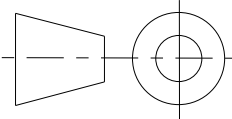
		DRAWN BY	DATE
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		APPROVED BY	DATE
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	PROJECT	MODEL NAME GE-16109	ISSUE
DO NOT SCALE			



SCALE 1:2



- NOTES:
- 1. MATERIAL: 3/4" DIAMETER X .063 WALL TUBING, 6063 ALUMINUM
 - 2. REMOVE ALL BURRS AND SHARP EDGES



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DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

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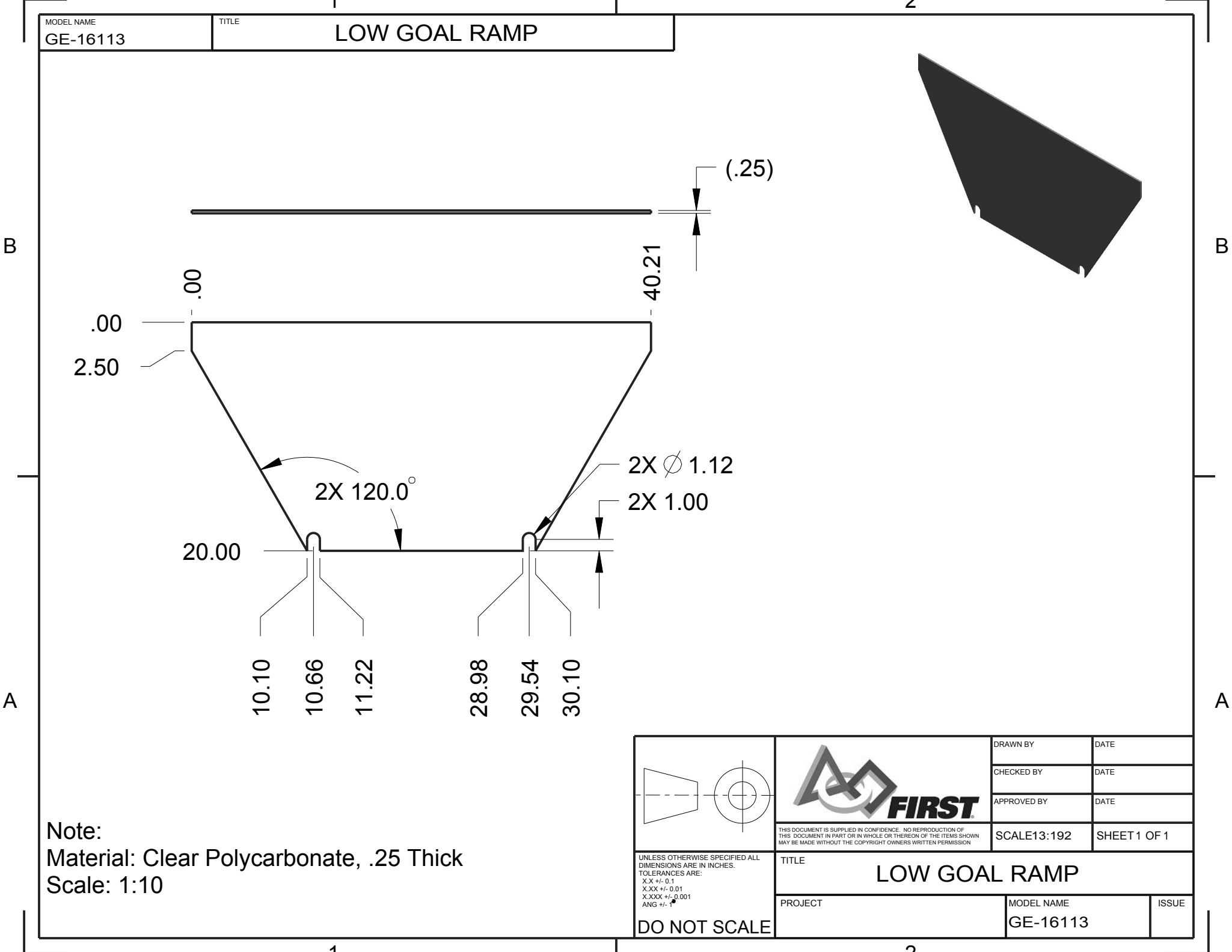
TITLE
INSERT TUBE, BB

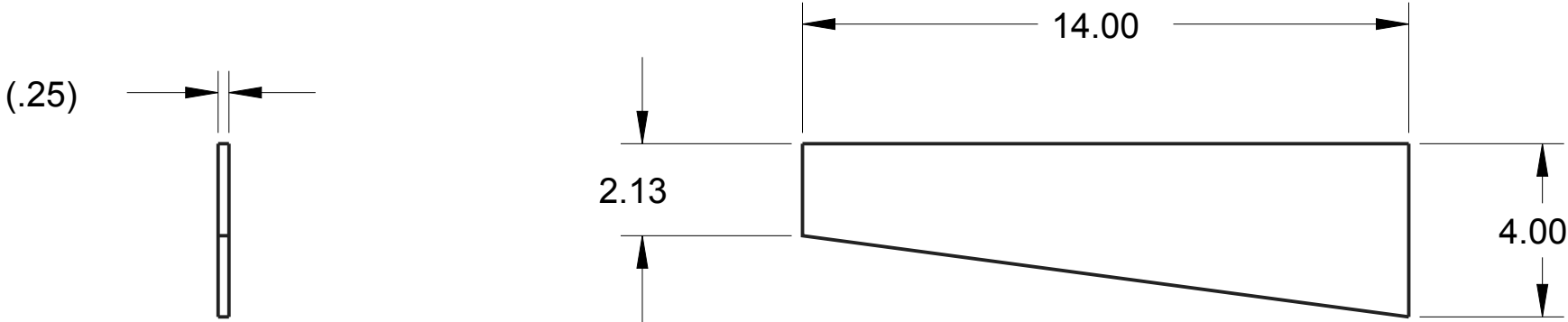
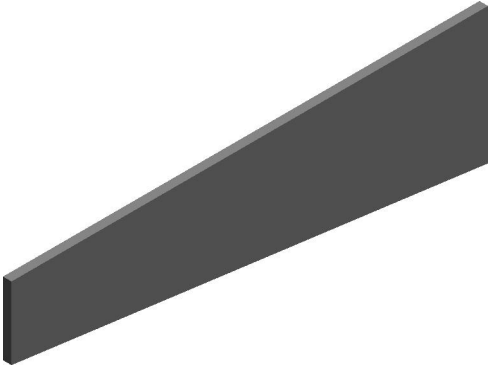
PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:1	SHEET 1 OF 1


MODEL NAME
GE-16111

ISSUE





- NOTES:
- 1. MATERIAL: 1/4" POLYCARBONATE
 - 2. REMOVE ALL BURRS AND SHARP EDGES

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	APPROVED BY	DATE
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	TITLE SIDE, LOW GOAL RAMP	
	PROJECT	MODEL NAME GE-16114
<div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</div> <div>DO NOT SCALE</div>	ISSUE	

MODEL NAME
GE-16115

TITLE

PLASTIC GUARD, LOW GOAL

REV	ZONE	DESCRIPTION	INITIAL	DATE
A	B-2	ADDED .25 HOLES (2)	DAF	1/6/15

(.25)

3X .25

.00

33.00

31.00

29.25

79.4°

20.00

27.75

2X \varnothing .25 THRU



17.00

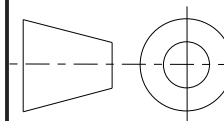
3.00

.00

3X \varnothing .25

1.50

2X 19.63



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DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

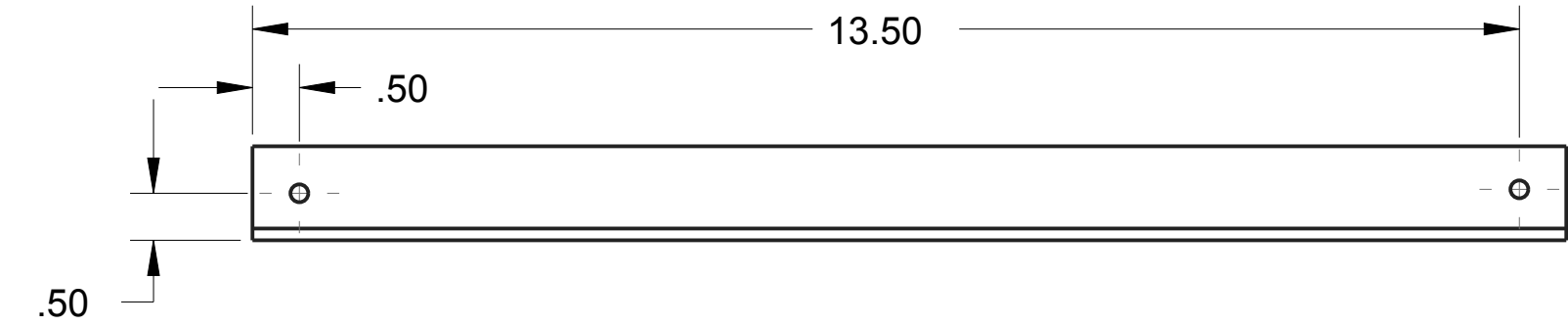
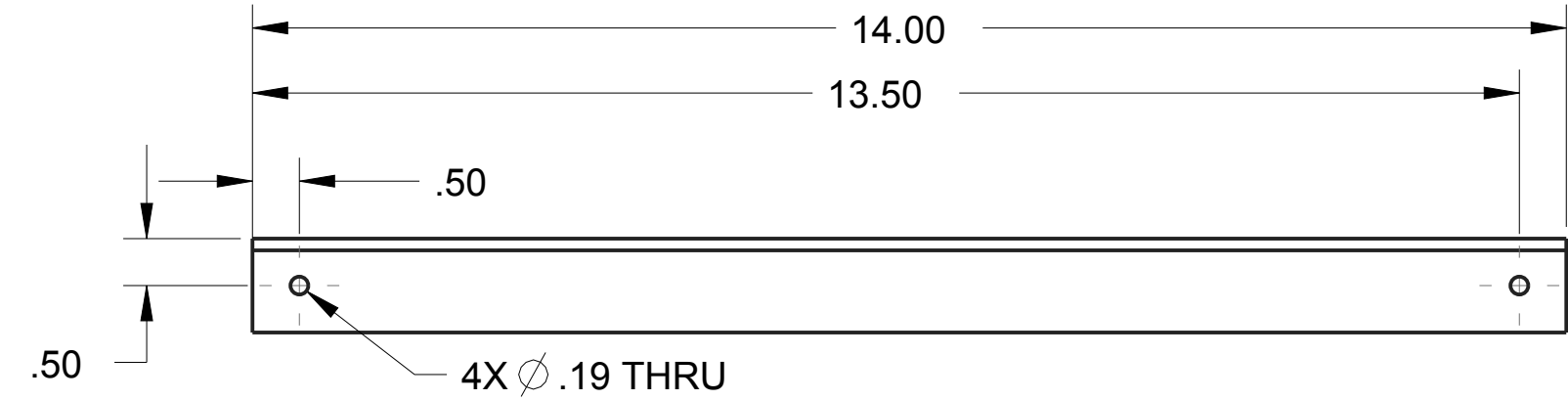
DO NOT SCALE



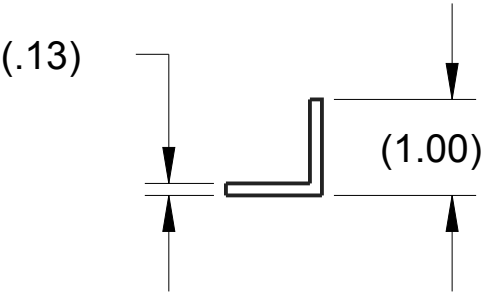
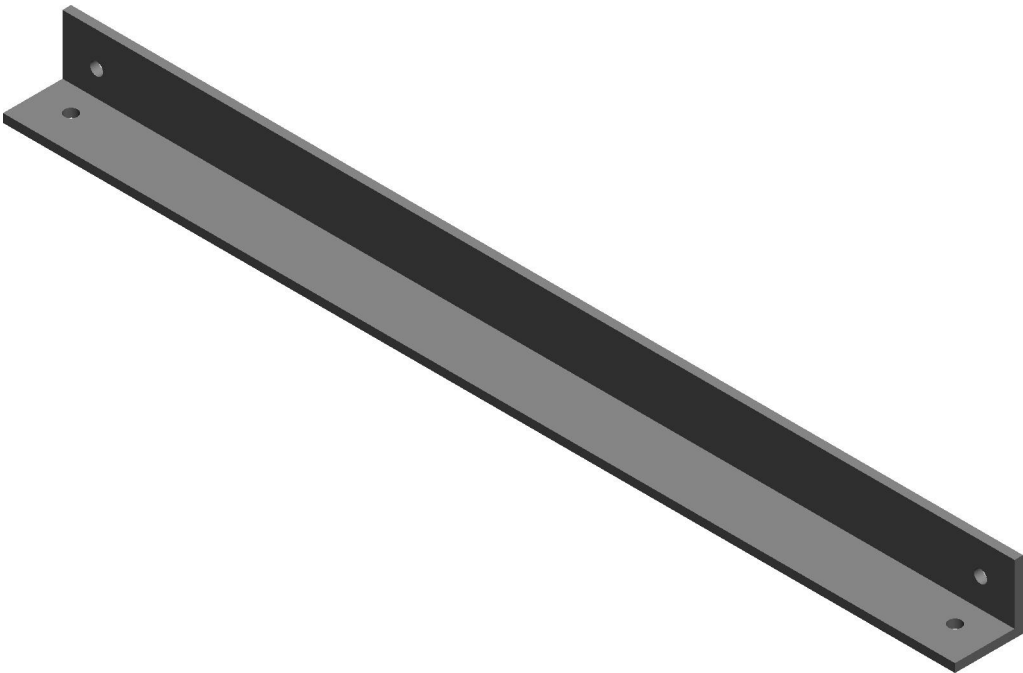
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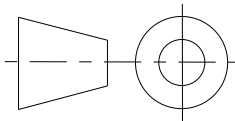

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CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:8	SHEET 1 OF 1

TITLE PLASTIC GUARD, LOW GOAL		
PROJECT	MODEL NAME GE-16115	ISSUE



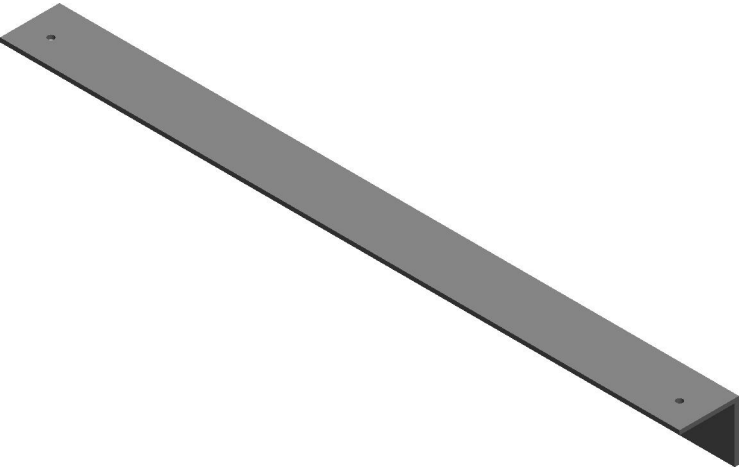
NOTES:
1. MATERIAL: 1" X .125" ANGLE, 6063 ALUMINUM



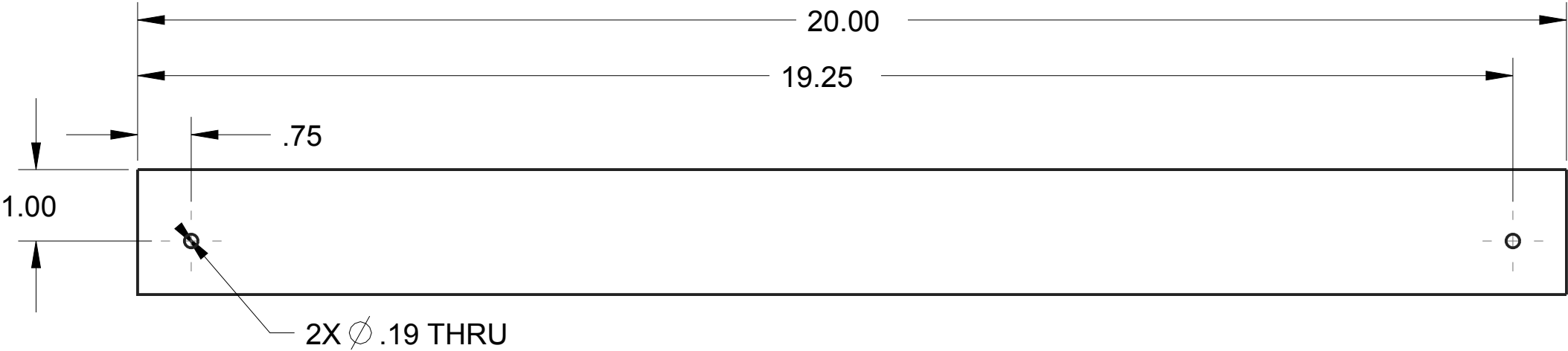
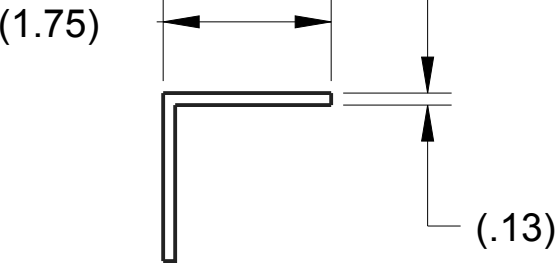
		DRAWN BY	DATE
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TITLE BRACKET, LOW GOAL RAMP			
PROJECT		MODEL NAME GE-16118	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°


DO NOT SCALE

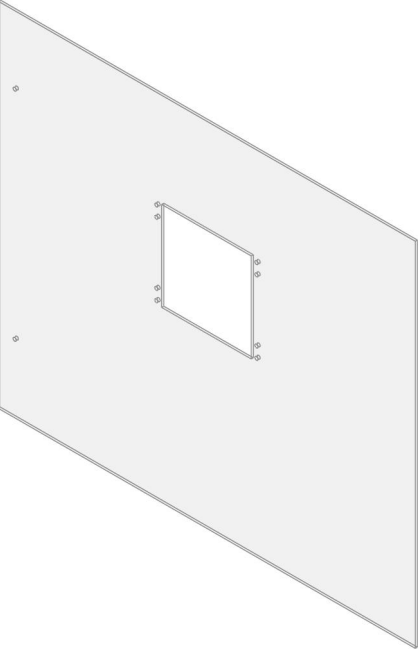
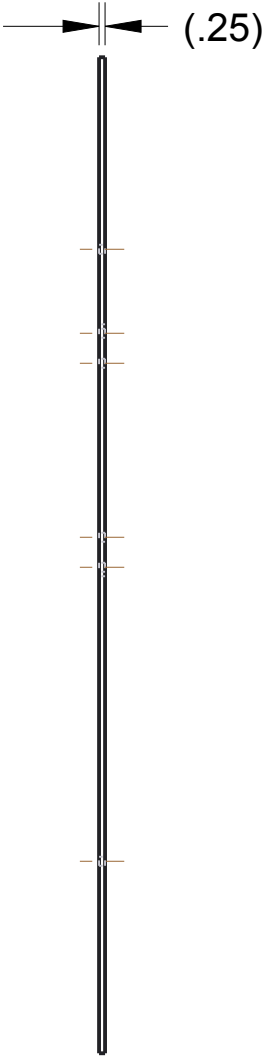
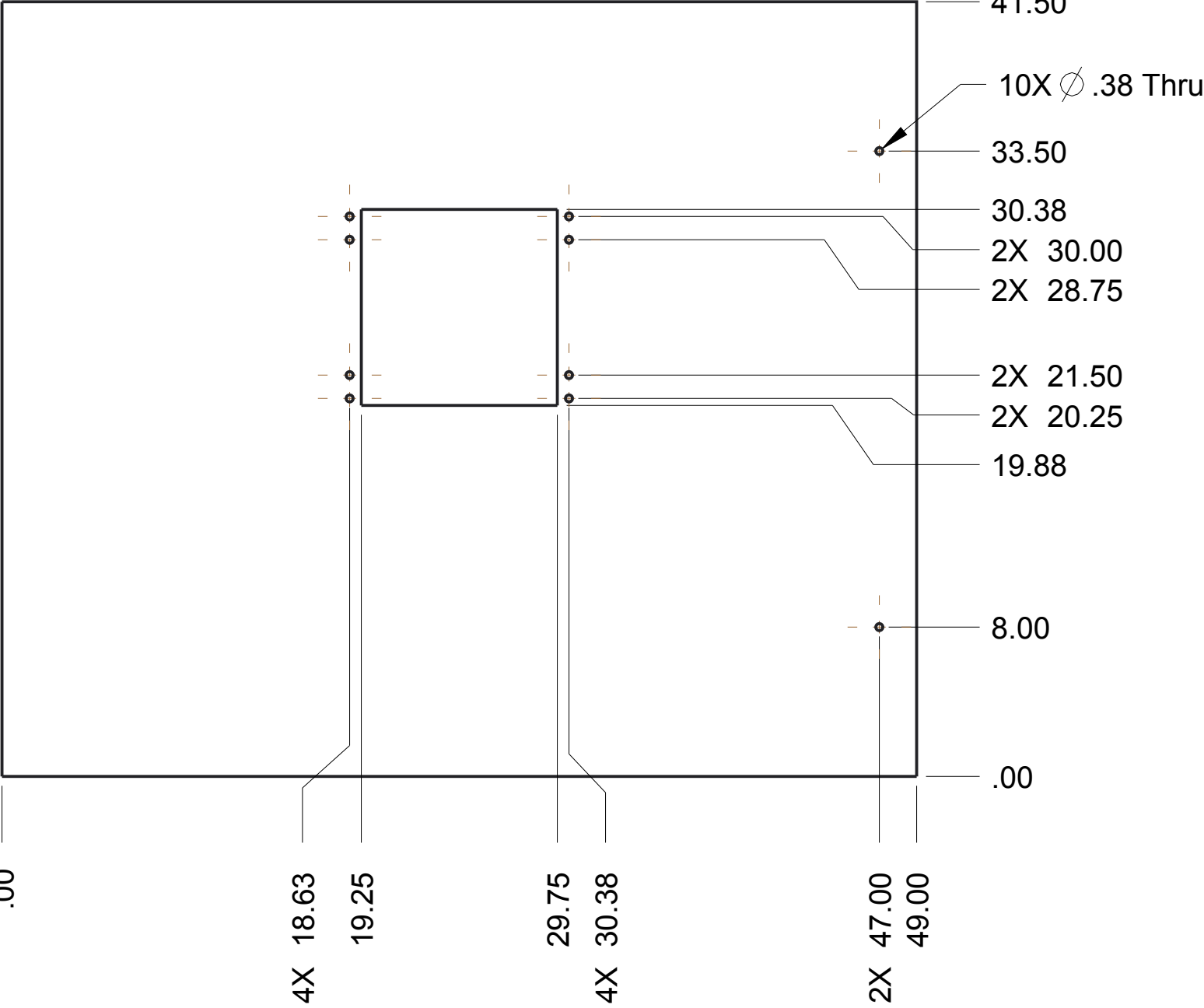


SCALE 1:4




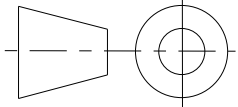
- NOTES:
- 1. MATERIAL: 1.75" X .125" ANGLE, 6063 ALUMINUM
 - 2. REMOVE ALL BURRS AND SHARP EDGES

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	TITLE SUPPORT, LOW GOAL RAMP	
	PROJECT	MODEL NAME GE-16119
<div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- .1</div>	ISSUE	
	DO NOT SCALE	



NOTES

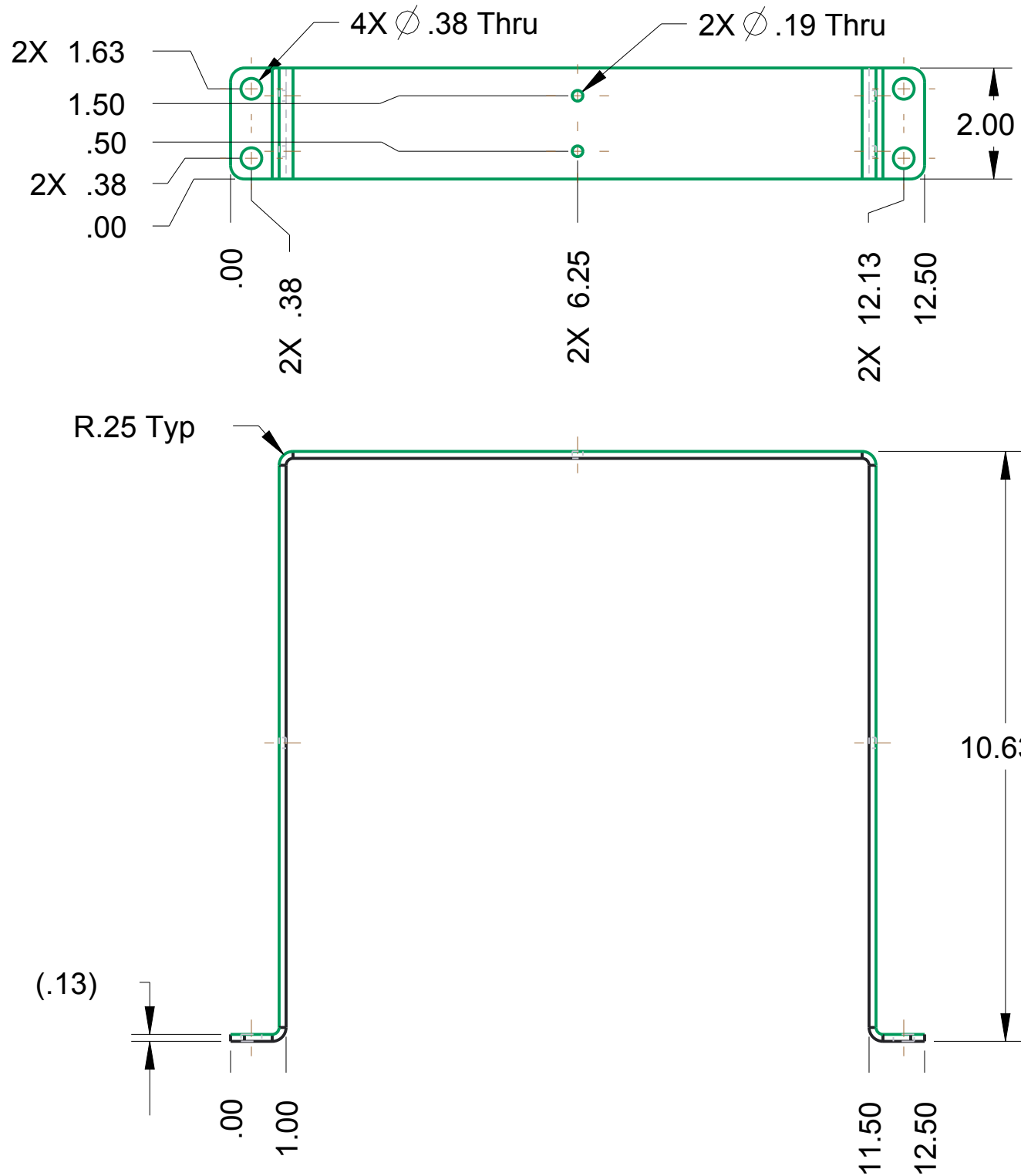
Material: Clear Polycarbonate, .25" Thick
Scale: 1:8

	DRAWN BY	DATE
	CHECKED BY	DATE
	APPROVED BY	DATE
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	TITLE HPW	
	PROJECT	MODEL NAME GE-16120
 <p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</p> <p>DO NOT SCALE</p>	ISSUE	

MODEL NAME
GE-16122

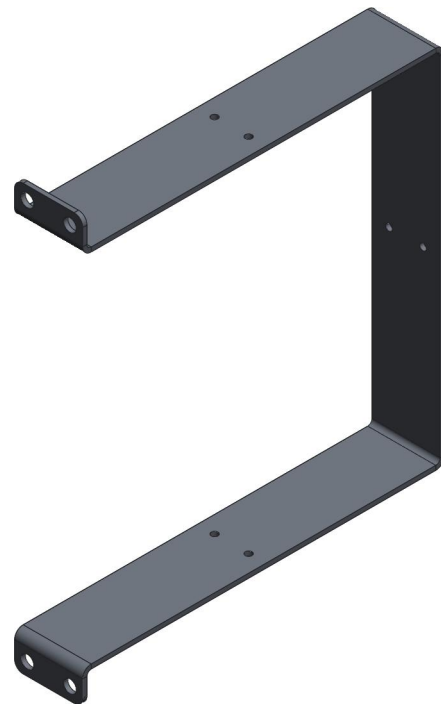
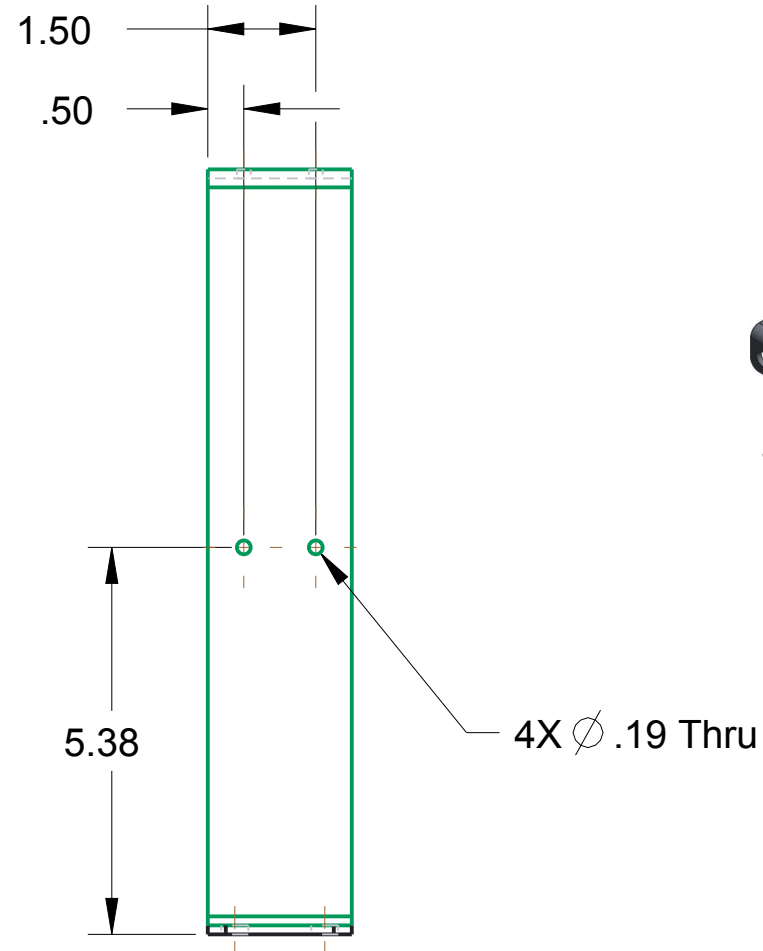
TITLE

ÓÜF

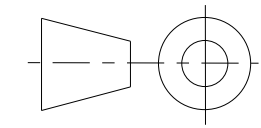


NOTE

1. Material: 5052 Aluminum Sheet, .125" Thick
2. Remove all burrs and sharp edges.



SCALE 1:4



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DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

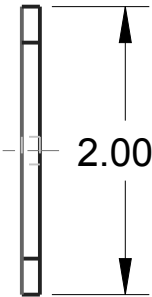
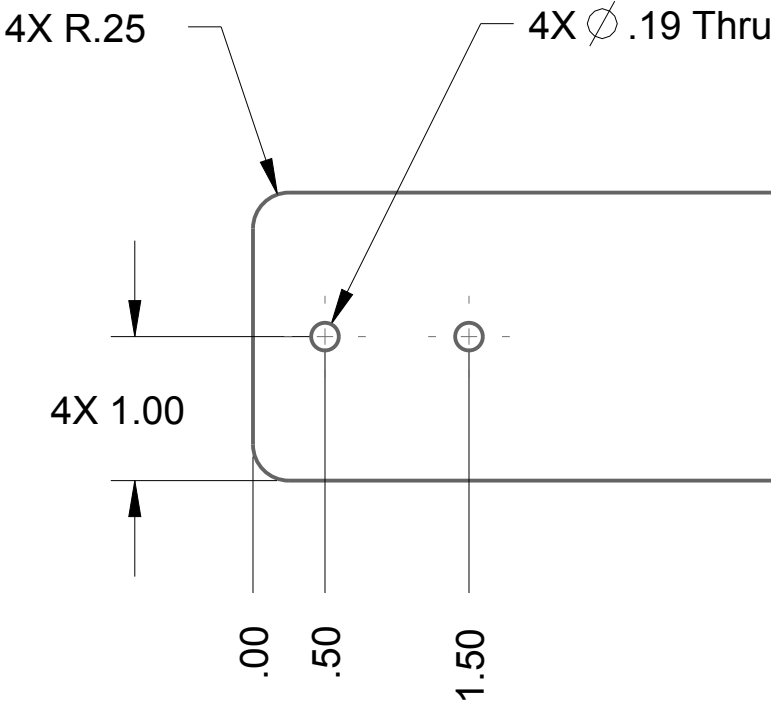
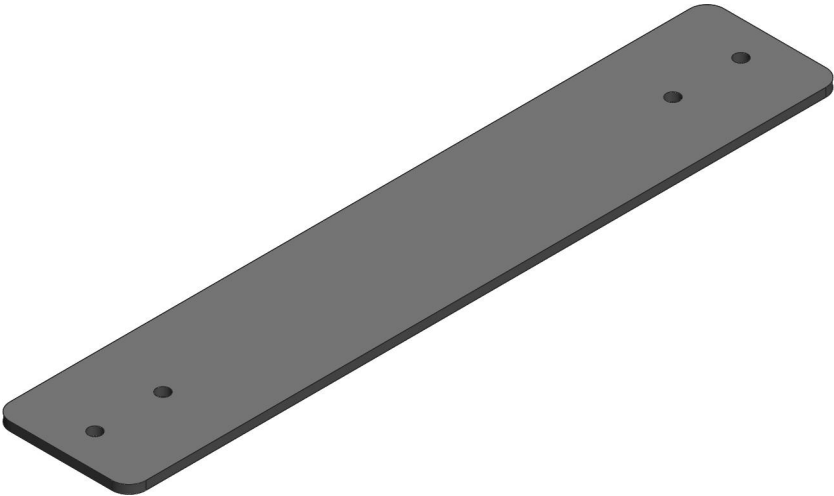
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SCALE 3:8	SHEET 1 OF 1

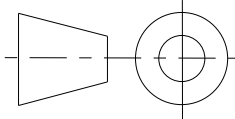
TITLE	BR1		
PROJECT	MODEL NAME	ISSUE	
	GE-16122		



NOTE

Material: 5052 Aluminum Sheet, .125" Thick
Scale: 3:4

Remove all burrs and sharp edges



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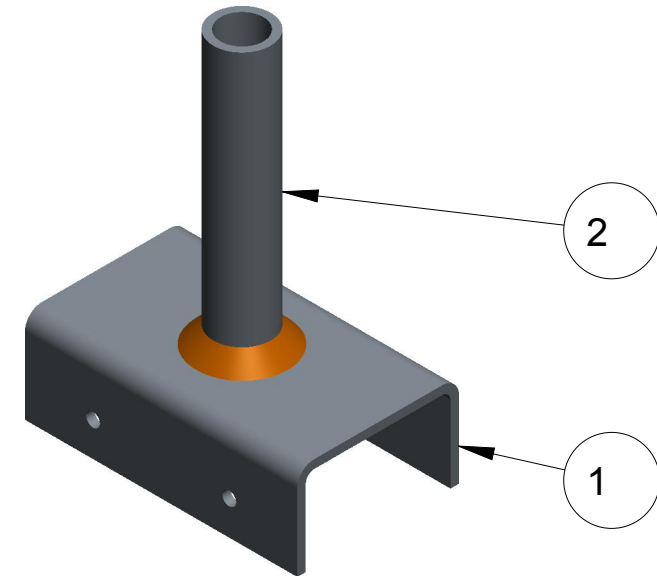
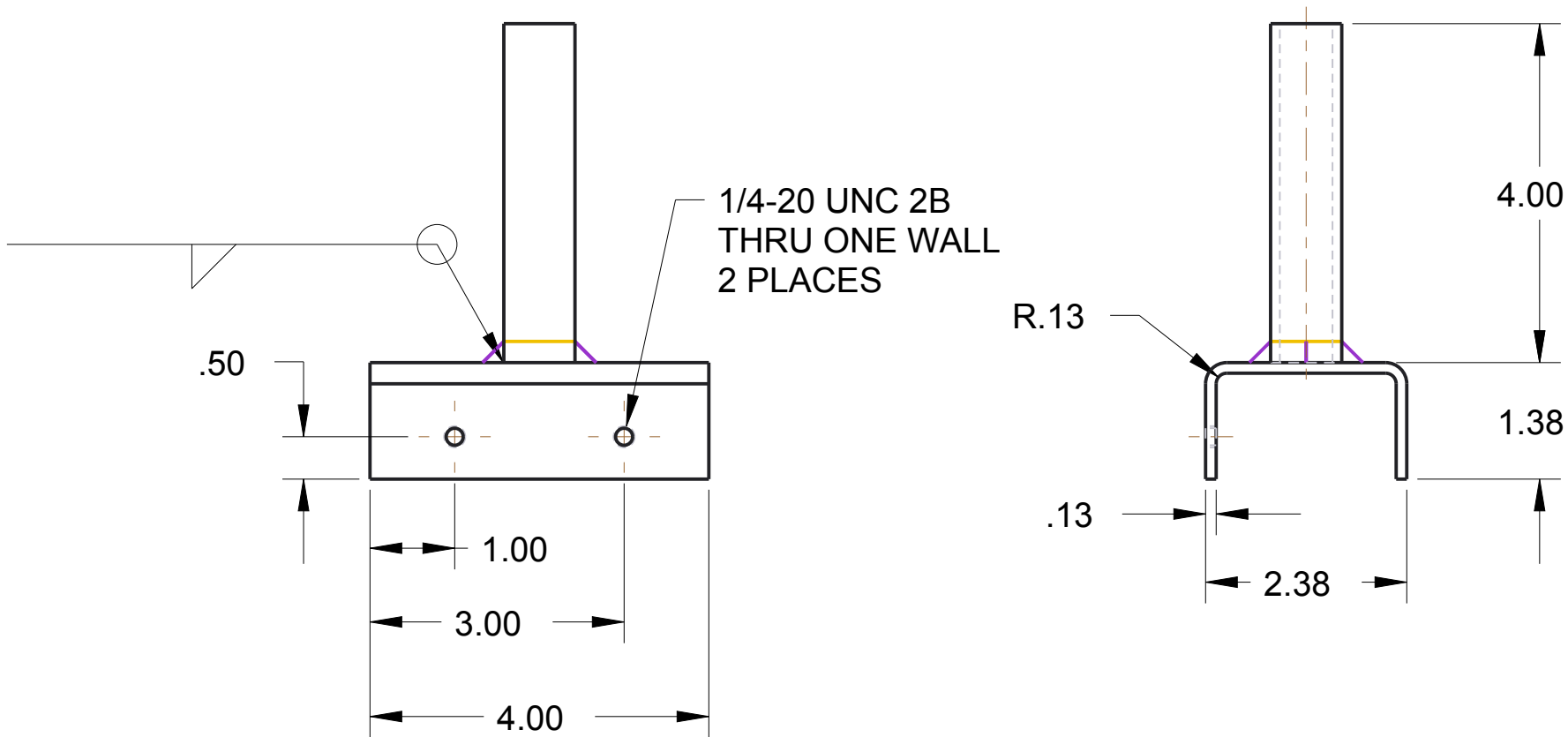
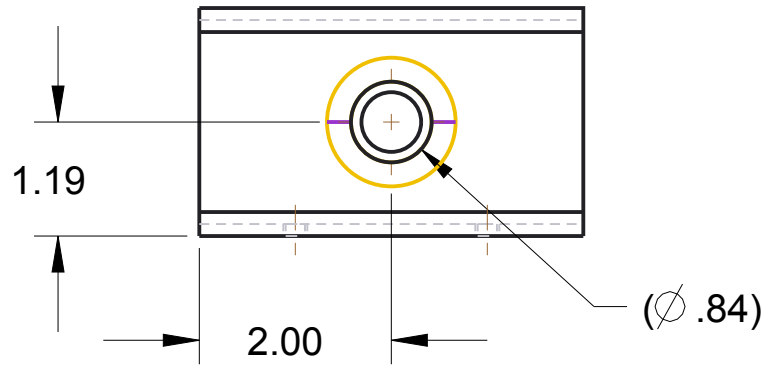
TITLE
BR 2

PROJECT


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APPROVED BY	DATE
SCALE 1:2	SHEET 1 OF 1

MODEL NAME
GE-16123

ISSUE



ITEM NO	PART NUMBER	QTY	DESCRIPTION
1	GE-16125-01	1	5052 aluminum sheet
2	GE-16125-02	1	1/2" schedule 40 pipe, 6061 alum



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DATE

10/26/15

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TITLE

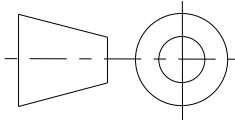
Standard Holder

PROJECT

MODEL NAME

GE-16125

ISSUE

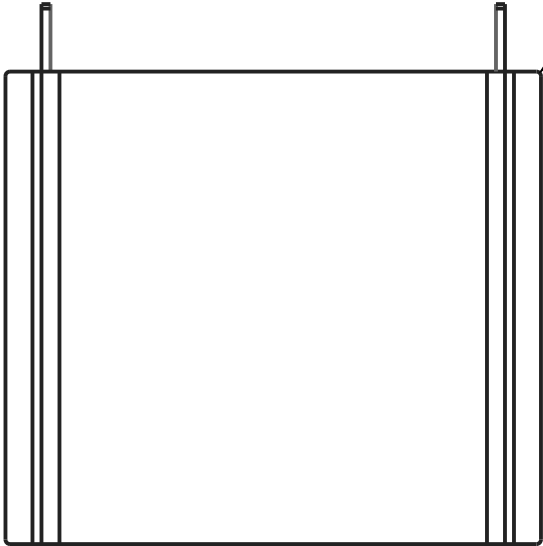


UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

SCALE 1:2

SHEET 1 OF 1



4X R.13

R.50 Typ

90° Typ

(.25)

.00

1.00

13.88

14.88

.00

13.13

15.00

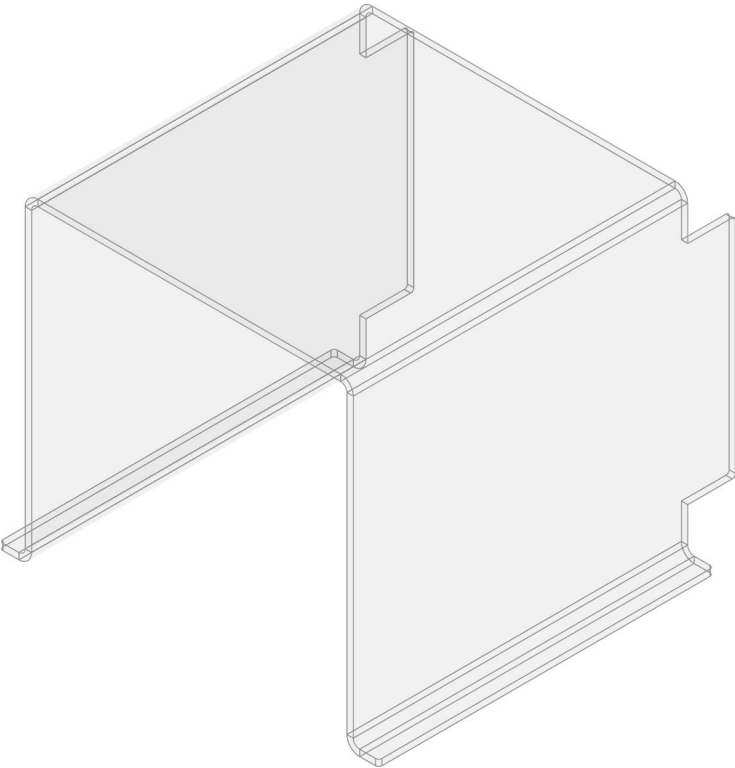
12.63

4X R.13

10.75

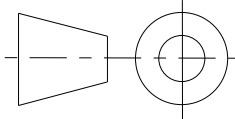
1.88

.00



NOTE

Material: Clear Polycarbonate, .25" Thick
Scale: 3:16



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TITLE
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PROJECT

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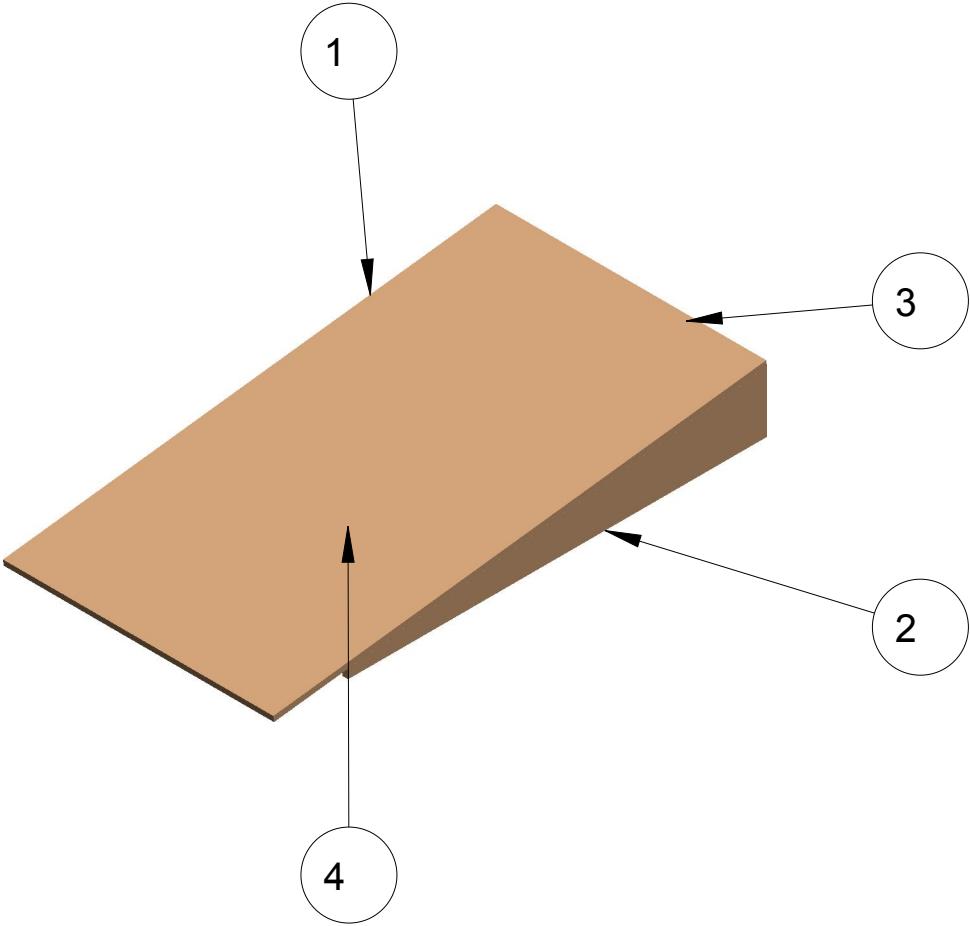
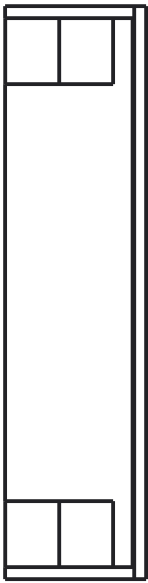
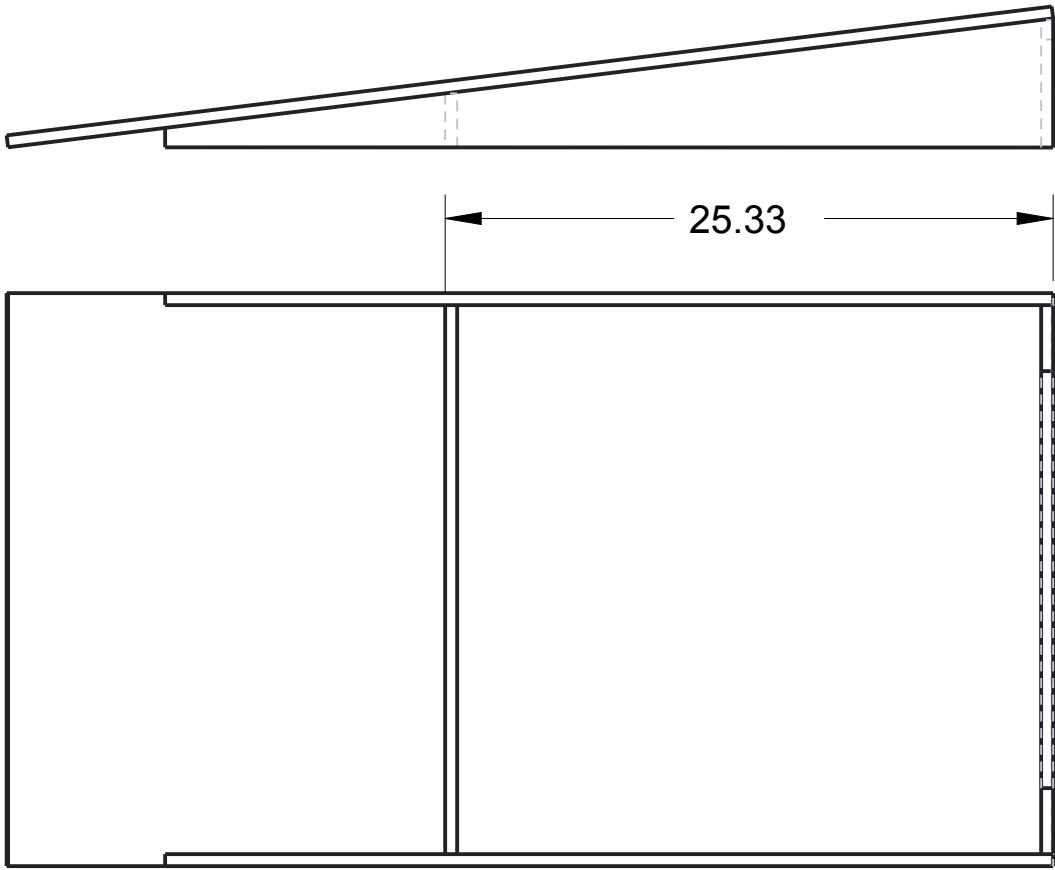
DATE

SCALE 3:16


SHEET 1 OF 1

MODEL NAME
GE-16127

ISSUE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16137-01	1	ge-16137-01.prt	1/2" Plywood
2	GE-16137-02	2	ge-16137-02.prt	1/2" Plywood
3	GE-16137-03	1	ge-16137-03.prt	1/2" Plywood
4	GE-16137-04	1	ge-16137-04.prt	1/2" Plywood



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TITLE

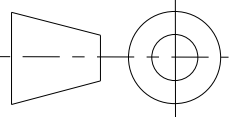
BATTER RAMP, MIDDLE

PROJECT

MODEL NAME

GE-16137

ISSUE



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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

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DATE

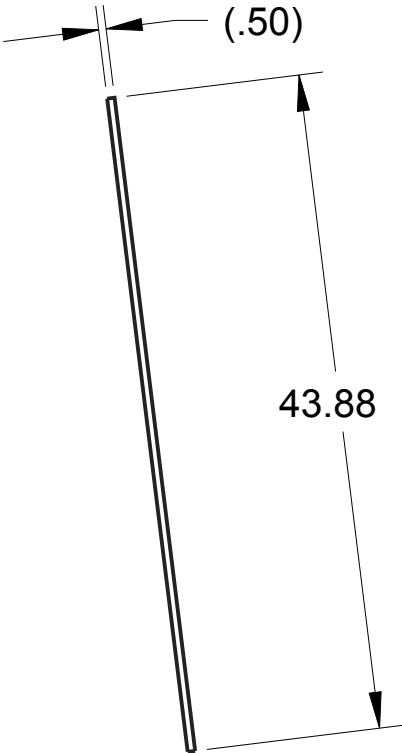
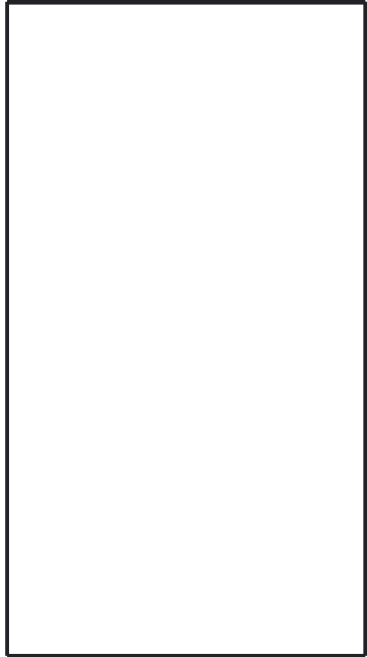
DATE

SCALE 1:8

SHEET 1 OF2

ASME STANDARD.INC

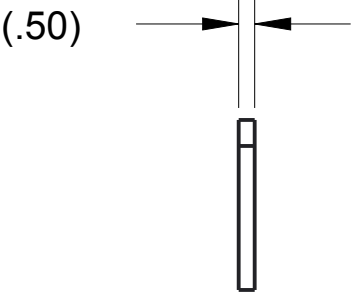
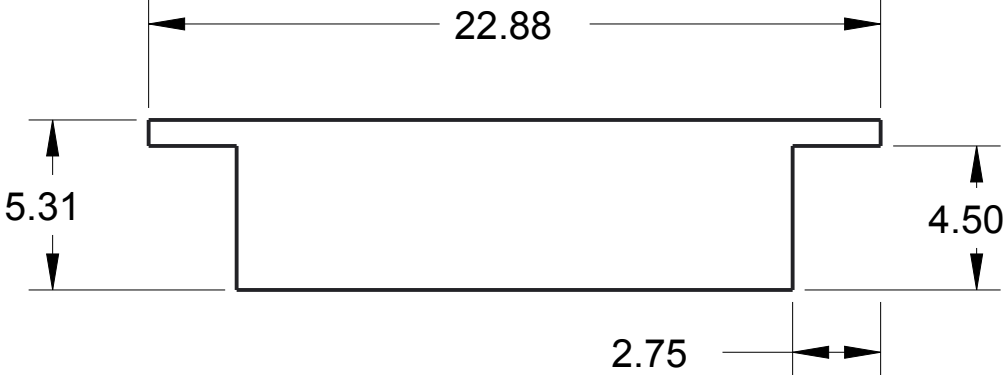
23.88



NOTE

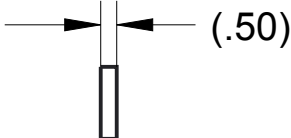
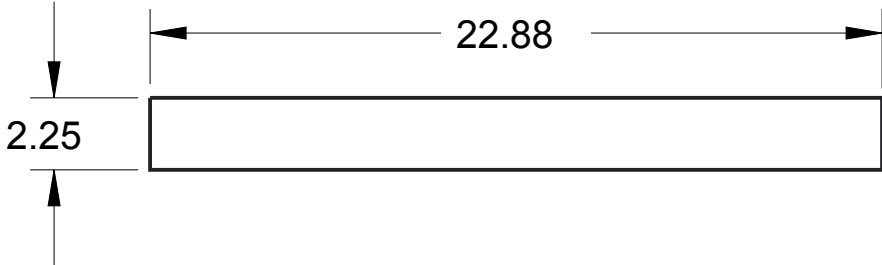
Part: Ge-16137-01
Material: 1/2" Plywood
Qty: 1

22.88



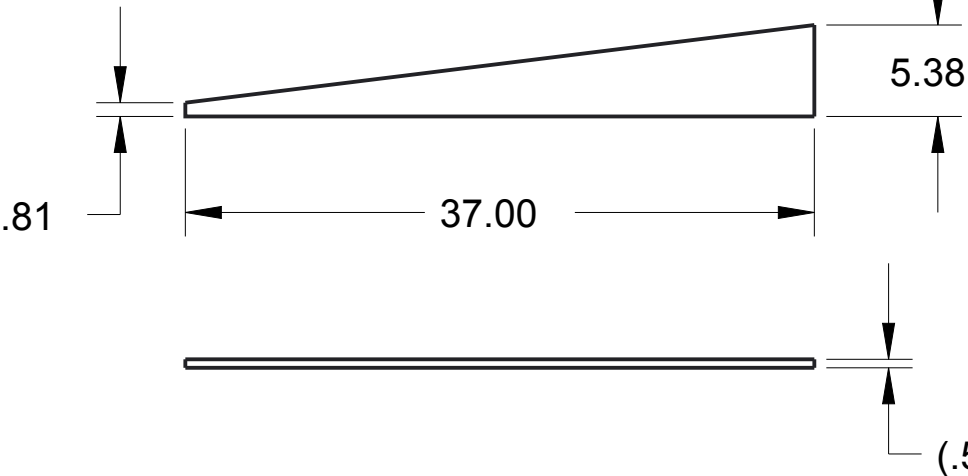
NOTE

Part: Ge-16137-03
Material: 1/2" Plywood
Qty: 1



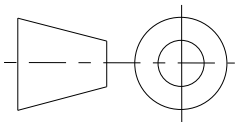
NOTE

Part: Ge-16137-04
Material: 1/2" Plywood
Qty: 1



NOTE

Part: Ge-16137-02
Material: 1/2" Plywood
Qty: 2



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X.XXX +/- 0.001
ANG +/- 1°

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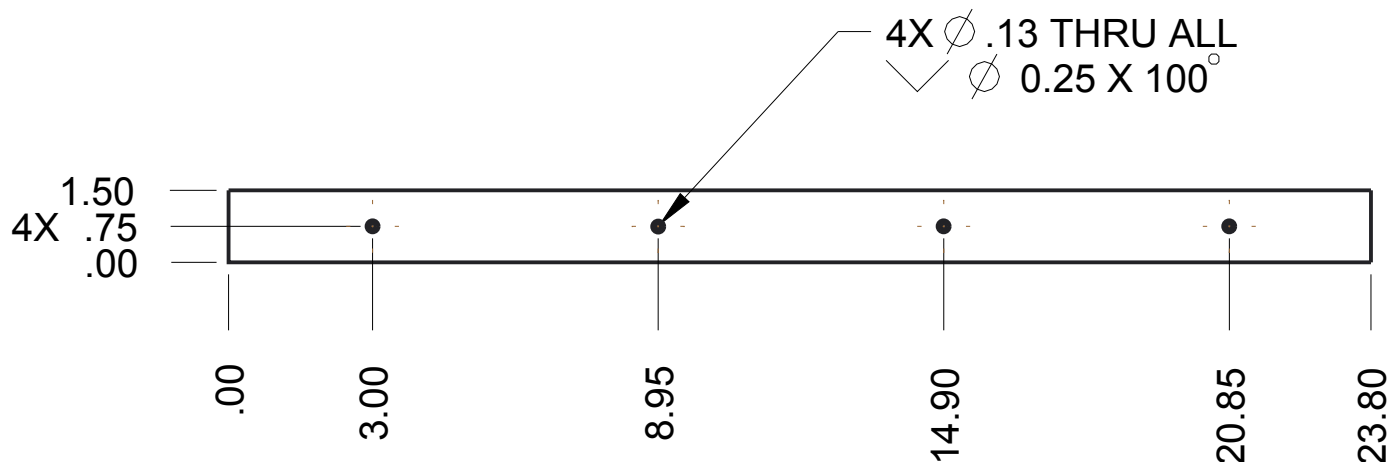
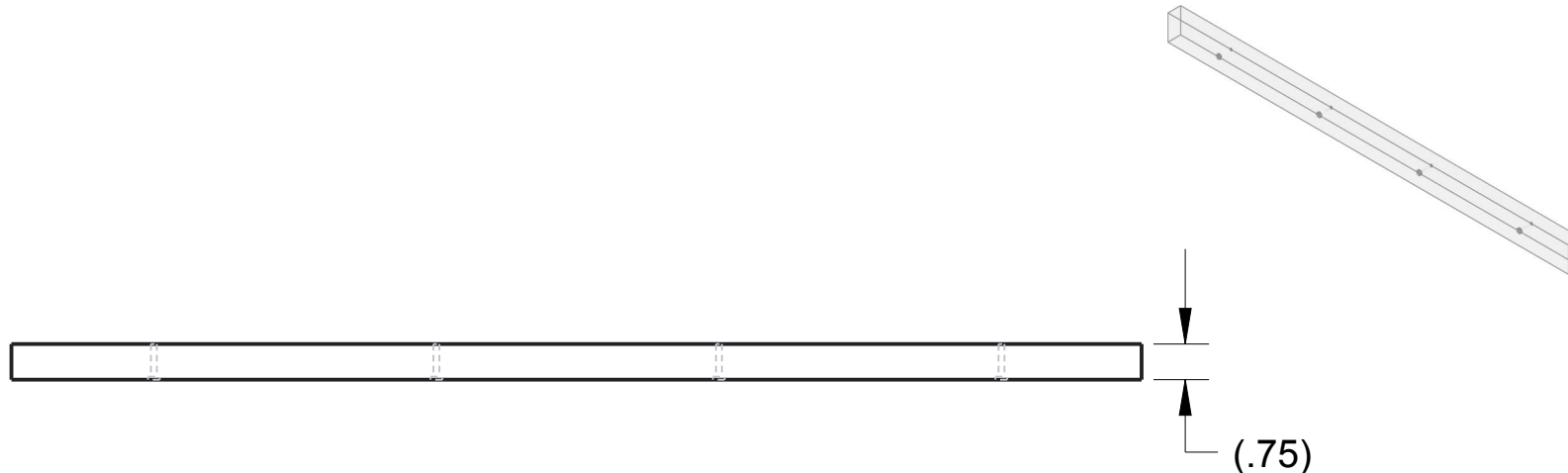
SCALE 1:8 SHEET 2 OF 2

TITLE
BATTER RAMP, MIDDLE

PROJECT	MODEL NAME GE-16137	ISSUE
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MODEL NAME
GE-16138-05

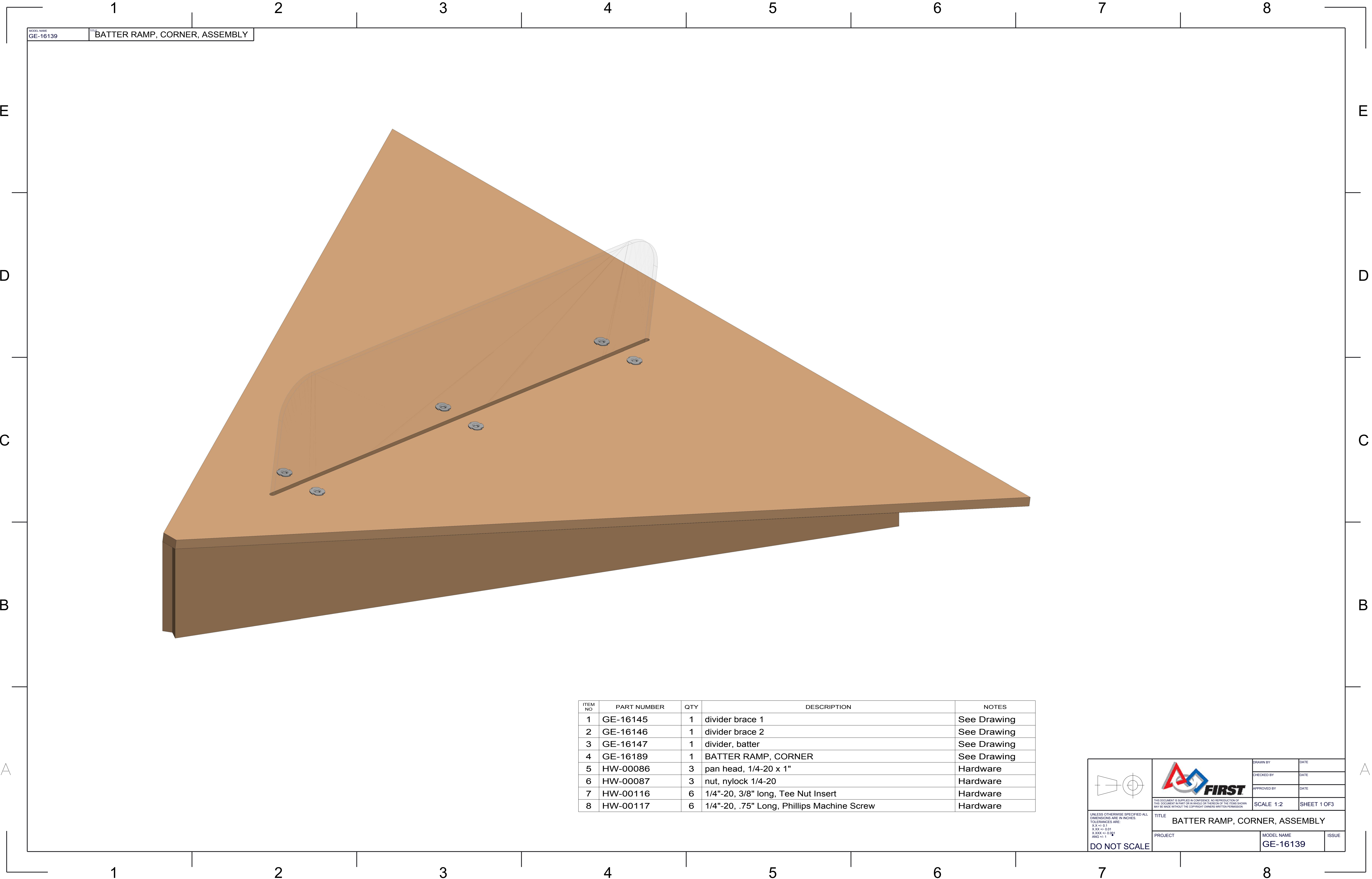
TITLE
BR, MBUMP



Note:

Material: Clear Polycarbonate, .75
thick
Scale 1:8
Qty: 4

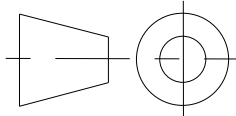
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	SCALE1:8	SHEET 1 OF 1
TITLE BR, MBUMP		
PROJECT		MODEL NAME GE-16138-05
DO NOT SCALE		ISSUE




MODEL NAME
GE-16139

BATTER RAMP, CORNER, ASSEMBLY

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16145	1	divider brace 1	See Drawing
2	GE-16146	1	divider brace 2	See Drawing
3	GE-16147	1	divider, batter	See Drawing
4	GE-16189	1	BATTER RAMP, CORNER	See Drawing
5	HW-00086	3	pan head, 1/4-20 x 1"	Hardware
6	HW-00087	3	nut, nylock 1/4-20	Hardware
7	HW-00116	6	1/4"-20, 3/8" long, Tee Nut Insert	Hardware
8	HW-00117	6	1/4"-20, .75" Long, Phillips Machine Screw	Hardware





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DATE

TITLE

BATTER RAMP, CORNER, ASSEMBLY

PROJECT

MODEL NAME

GE-16139

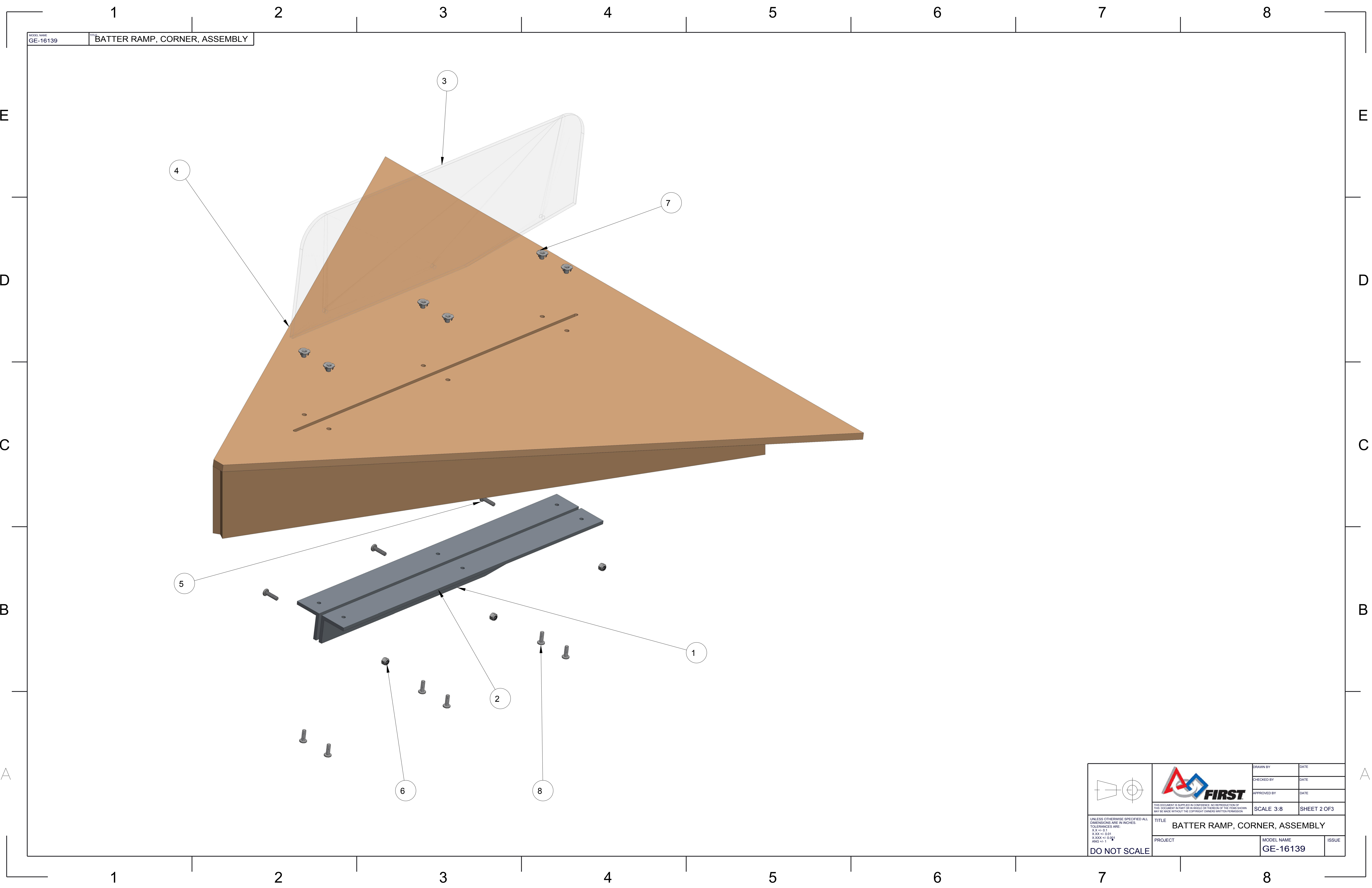
ISSUE

SCALE 1:2

SHEET 1 OF 3



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X.XXX +/- 0.001
ANG +/- 1

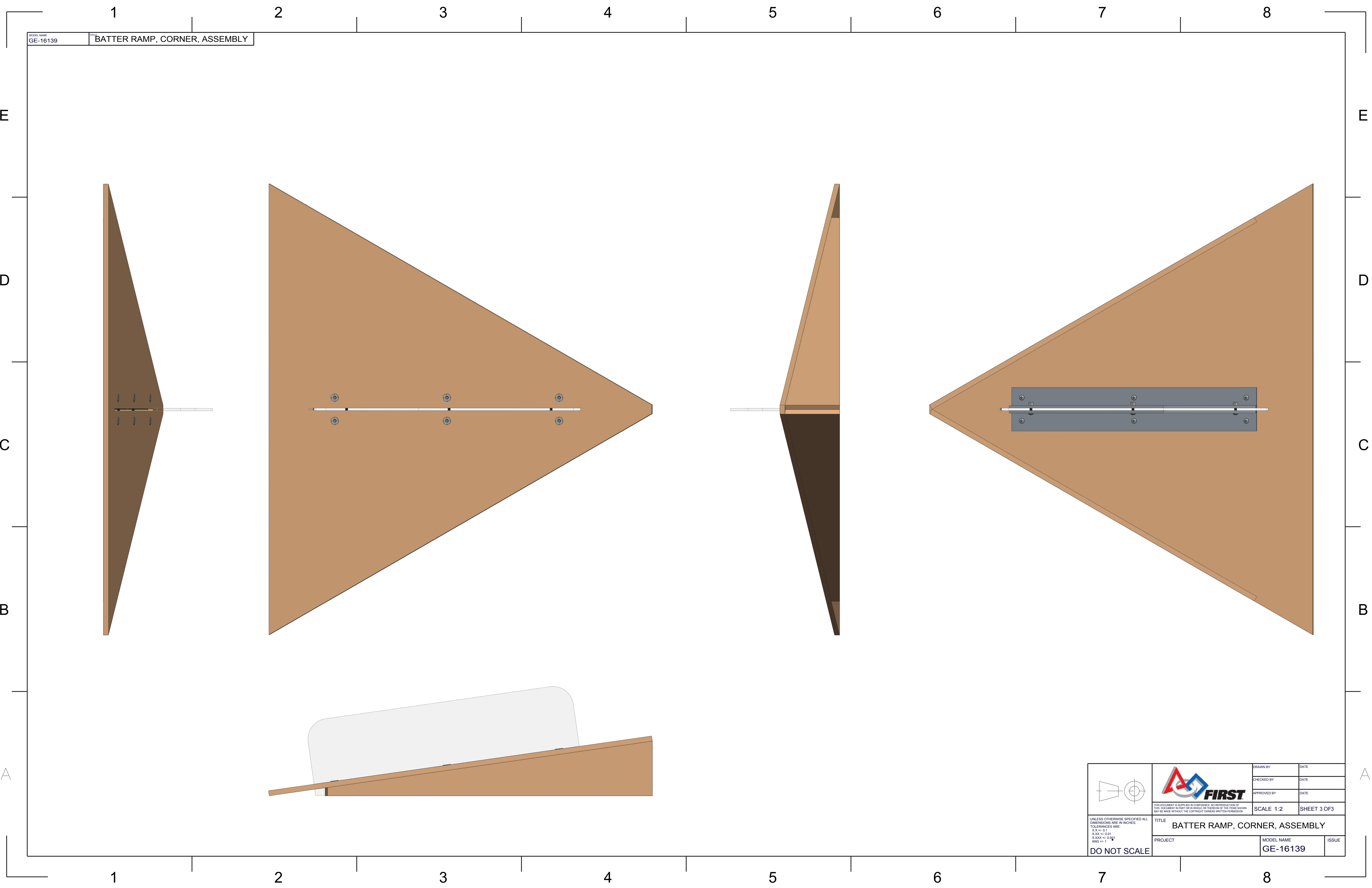
DO NOT SCALE



MODEL NAME
GE-16139

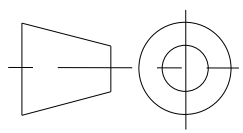

BATTER RAMP, CORNER, ASSEMBLY

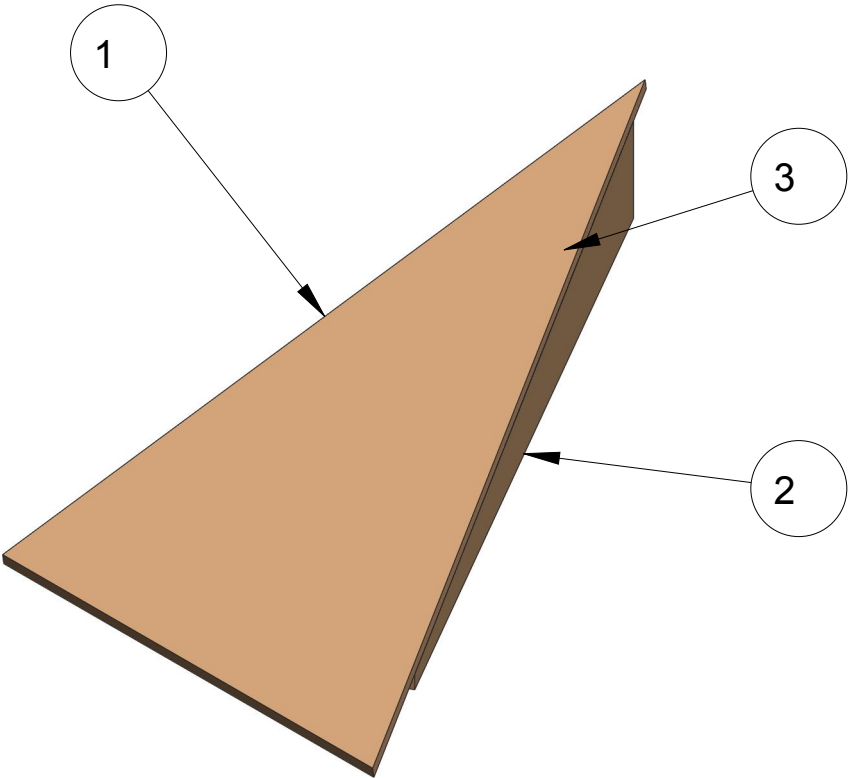
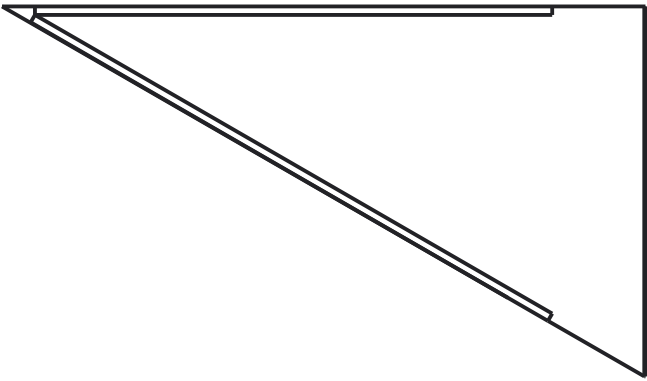
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		SCALE 3:8	
TITLE BATTER RAMP, CORNER, ASSEMBLY			
PROJECT		MODEL NAME GE-16139	ISSUE



MODEL NAME
GE-16139

BATTER RAMP, CORNER, ASSEMBLY

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		SCALE 1:2	
TITLE BATTER RAMP, CORNER, ASSEMBLY			
PROJECT	MODEL NAME GE-16139		ISSUE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16140-01	1	ge-16140-01.prt	1/2" Plywood
2	GE-16140-02	1	ge-16140-02.prt	1/2" Plywood
3	GE-16140-03	1	ge-16140-03.prt	1/2" Plywood

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X.XXX +/- 0.001
ANG +/- 1°

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SCALE 17:192

SHEET 1 OF2

TITLE

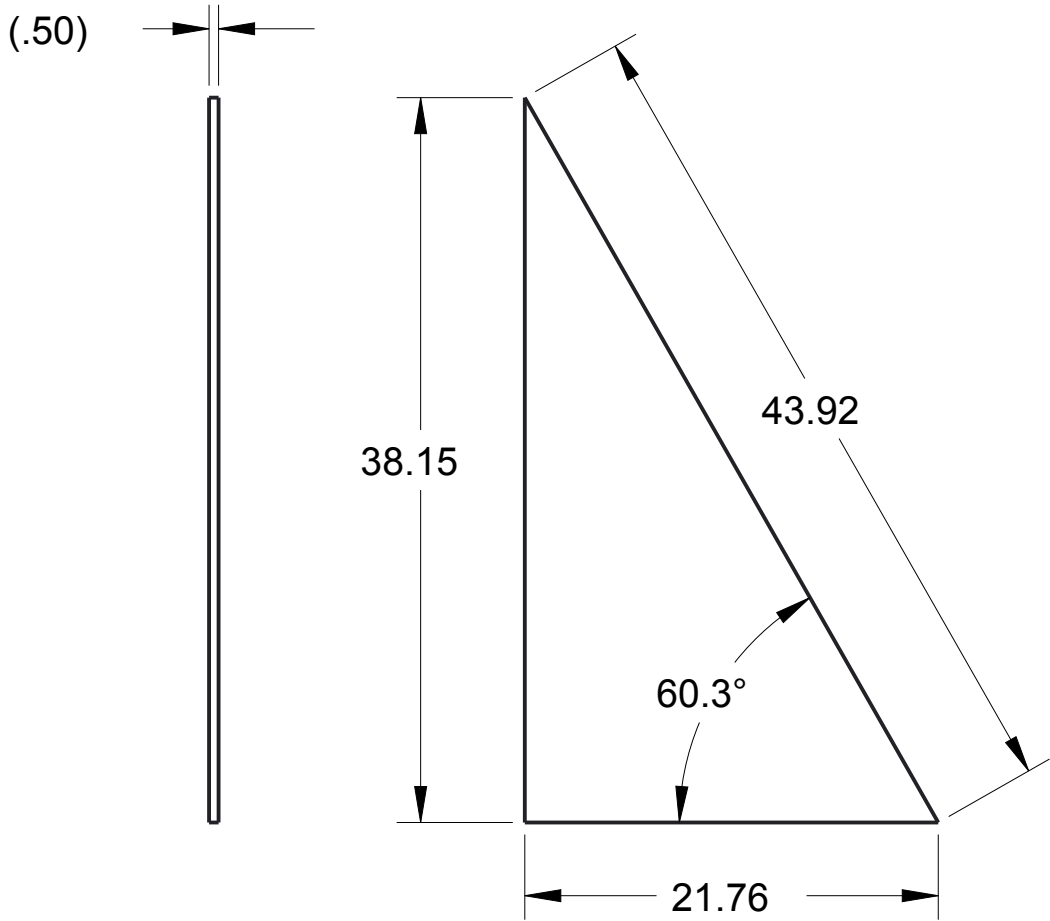
BR, HALF CORNER 1

PROJECT

MODEL NAME

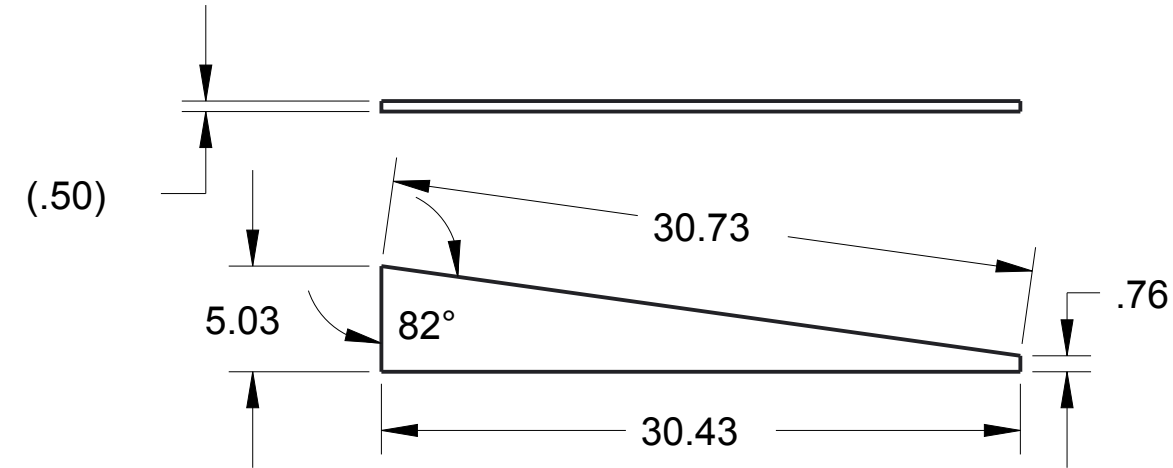
ISSUE

GE-16140



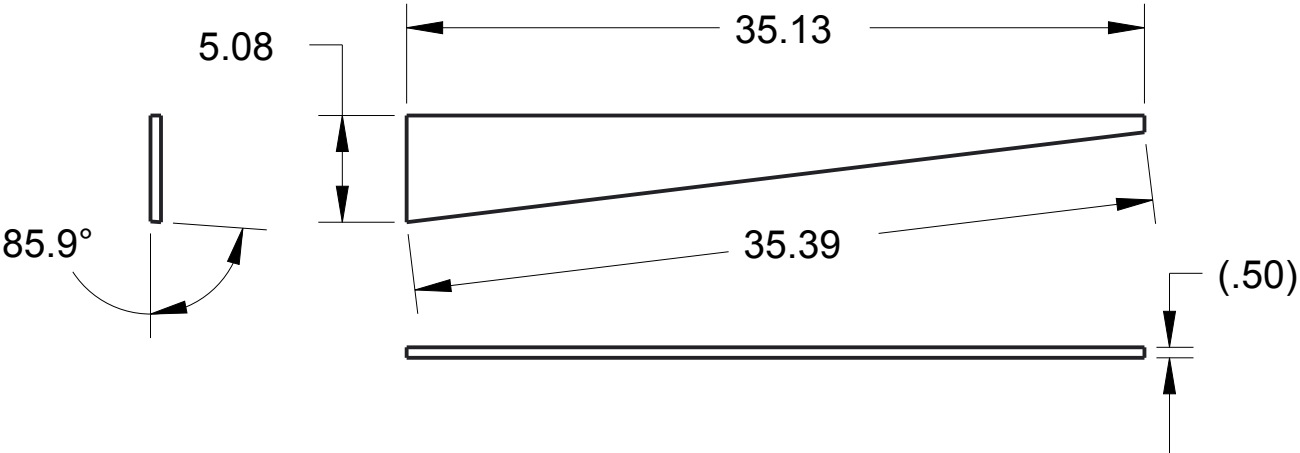
NOTE

Part: GE-16140-01
Material: 1/2" Plywood
Qty: 1



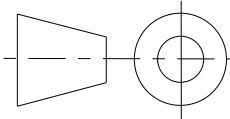

NOTE

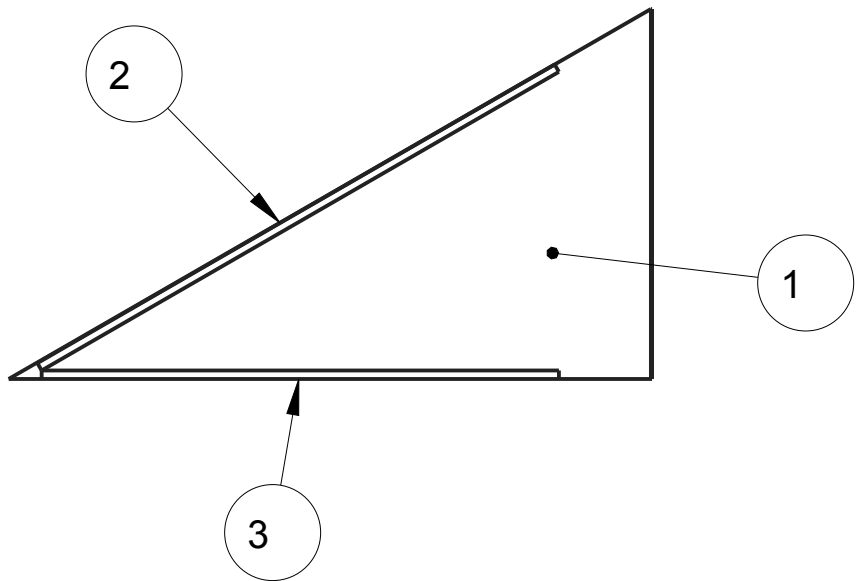
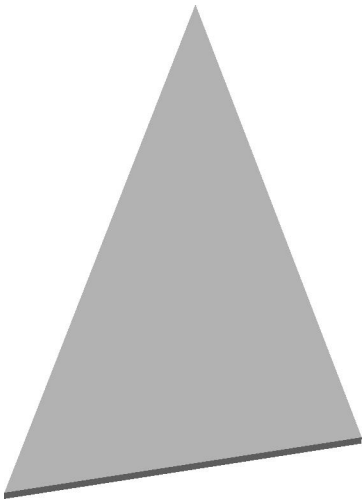
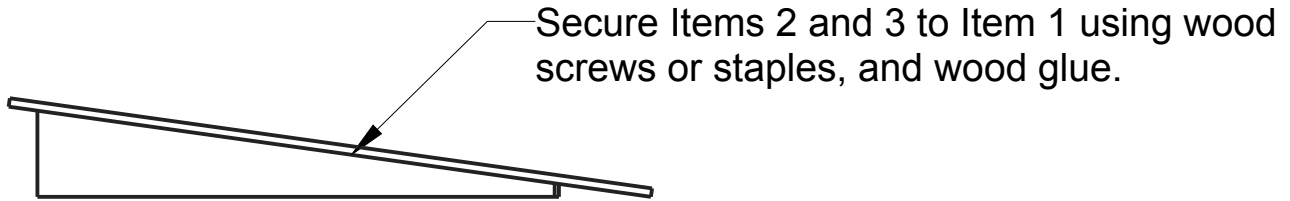
Part: GE-16140-03
Material: 1/2" Plywood
Qty: 1



NOTE

Part: GE-16140-03
Material: 1/2" Plywood
Qty: 1

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TITLE BATTER RAMP, HALF CORNER 1			
PROJECT		MODEL NAME GE-16140	ISSUE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16141-01	1	ge-16141-01.prt	1/2" Plywood
2	GE-16141-02	1	ge-16141-02.prt	1/2" Plywood
3	GE-16141-03	1	ge-16141-03.prt	1/2" Plywood

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X.XXX +/- 0.001
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TITLE

BATTER RAMP, HALF CORNER 2

PROJECT

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DATE

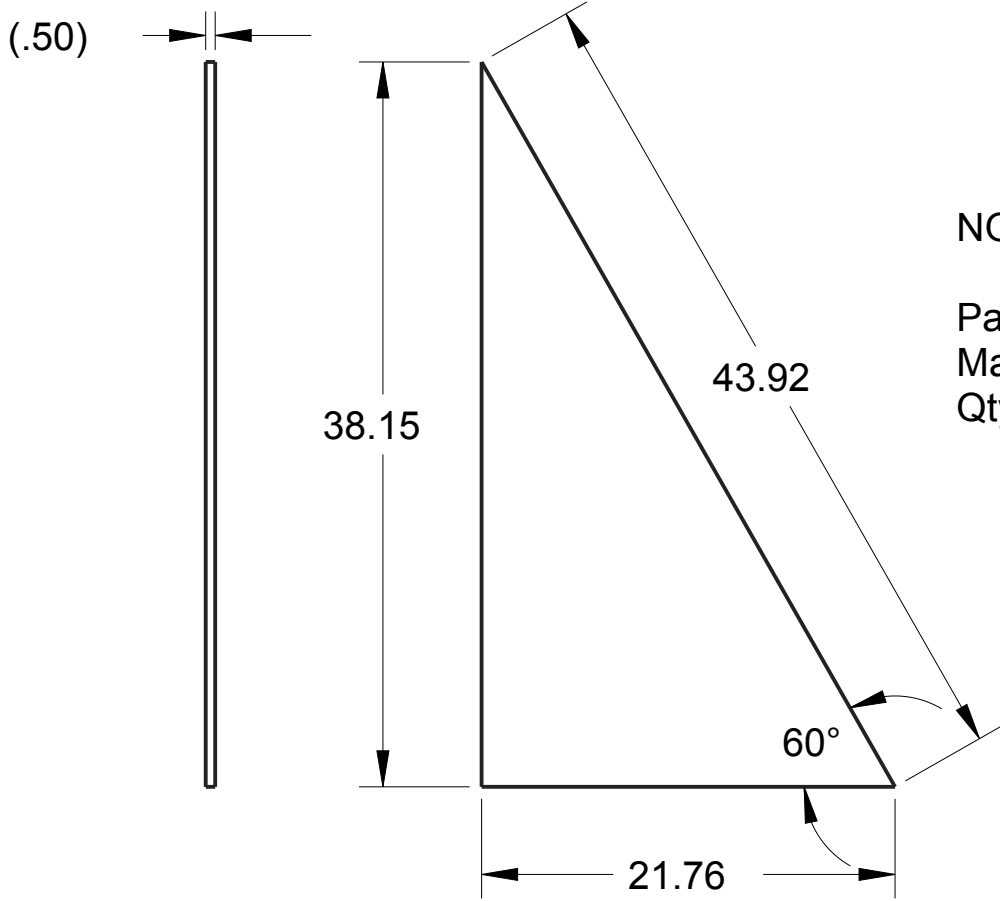
SCALE 17:192

SHEET 1 OF2

MODEL NAME

GE-16141

ISSUE

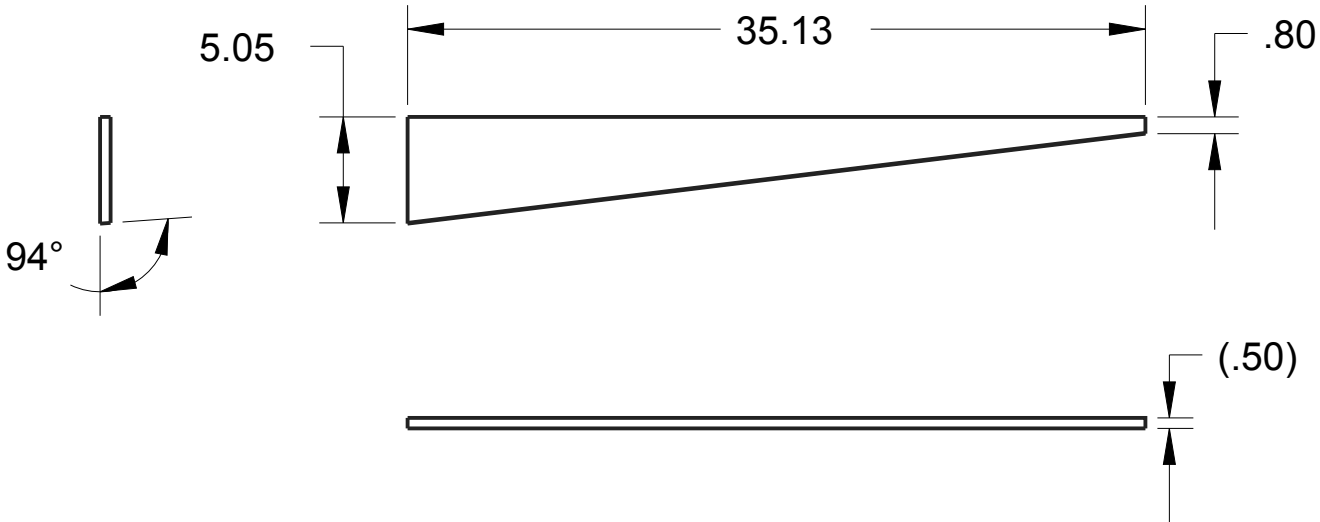


NOTE

Part: GE-16141-01

Material: 1/2" Plywood

Qty: 1

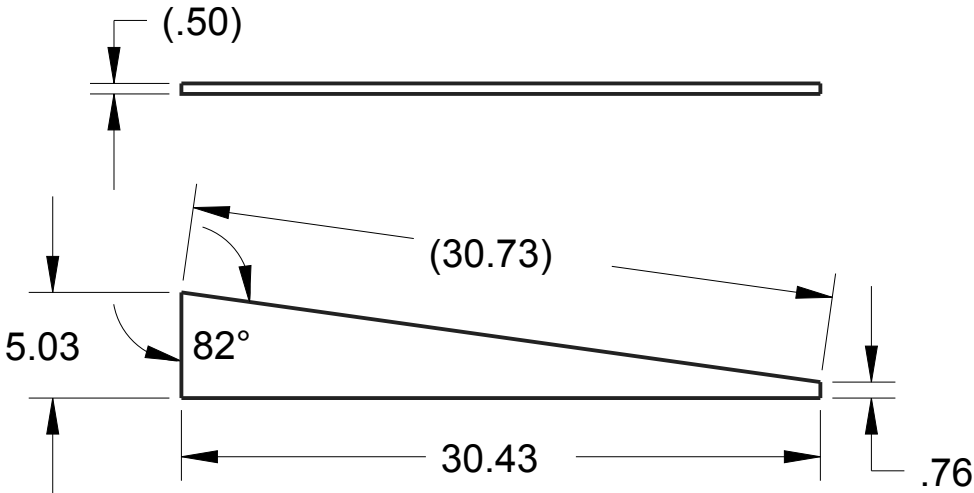


NOTE

Part: GE-16141-02

Material: 1/2" Plywood

Qty: 1

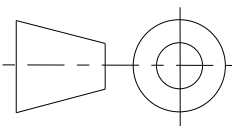



NOTE

Part: GE-16141-03

Material: 1/2" Plywood

Qty: 1

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°			
TITLE BATTER RAMP, HALF CORNER 2			
PROJECT		MODEL NAME GE-16141	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

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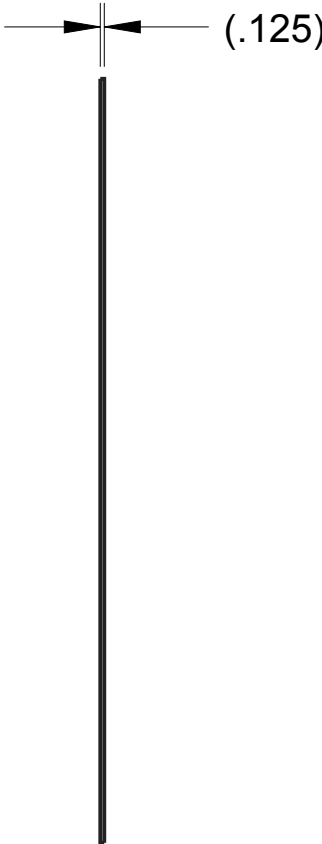
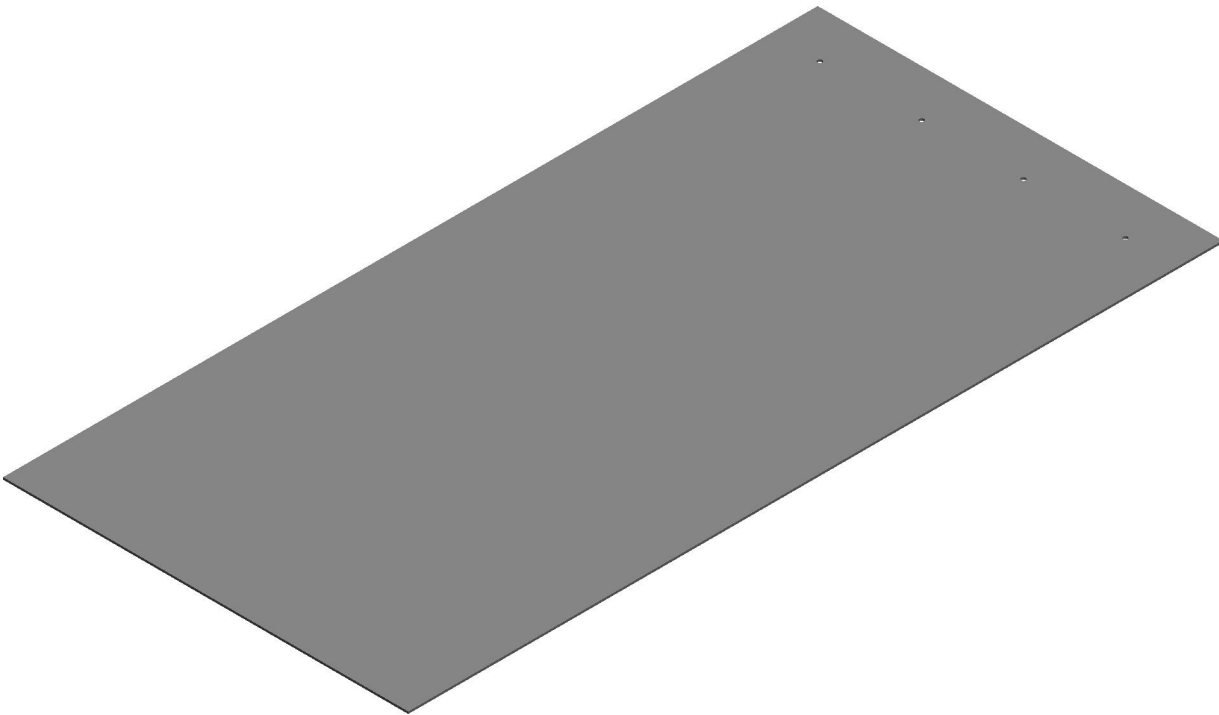
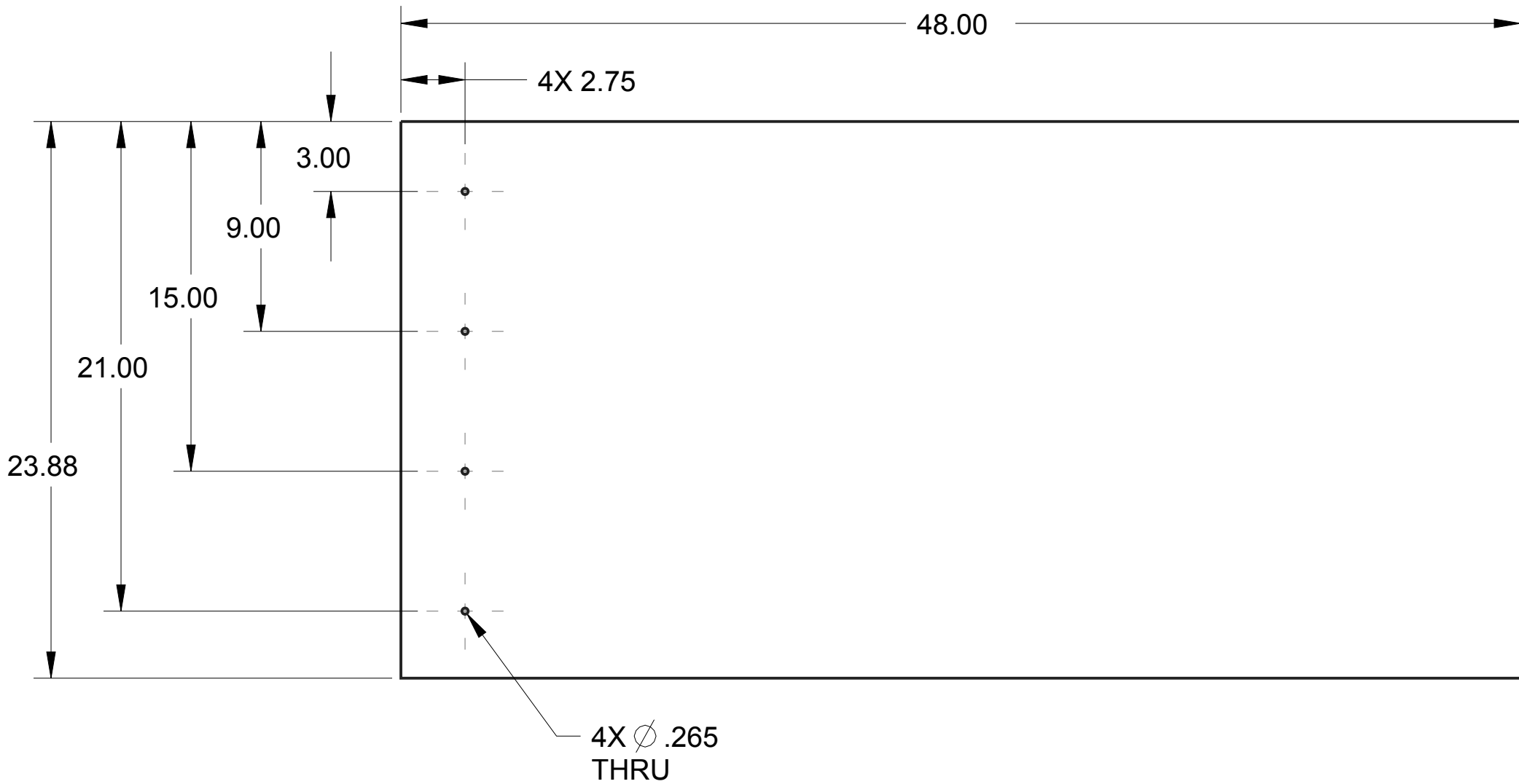
D

C

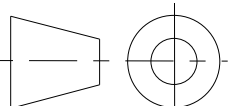

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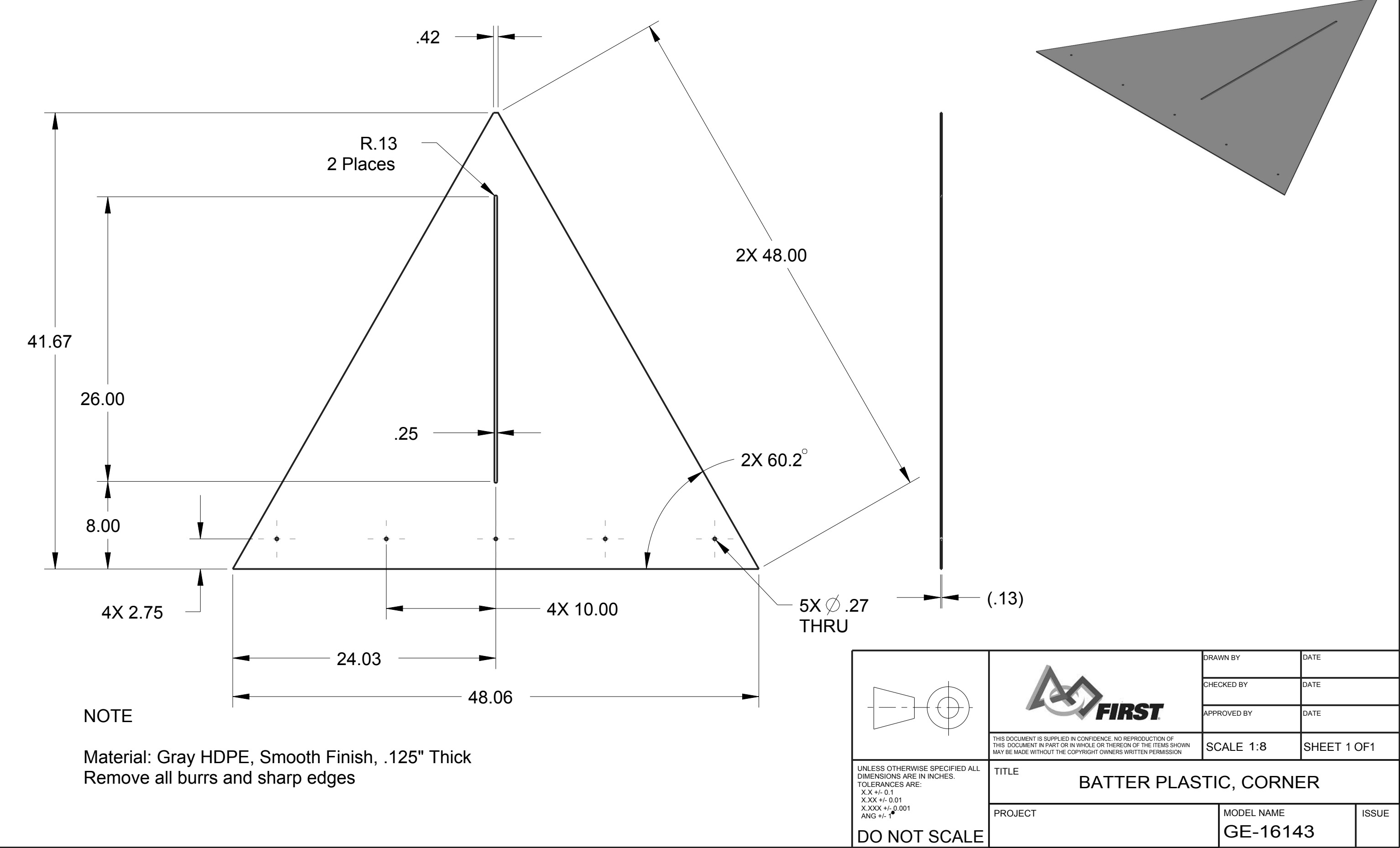
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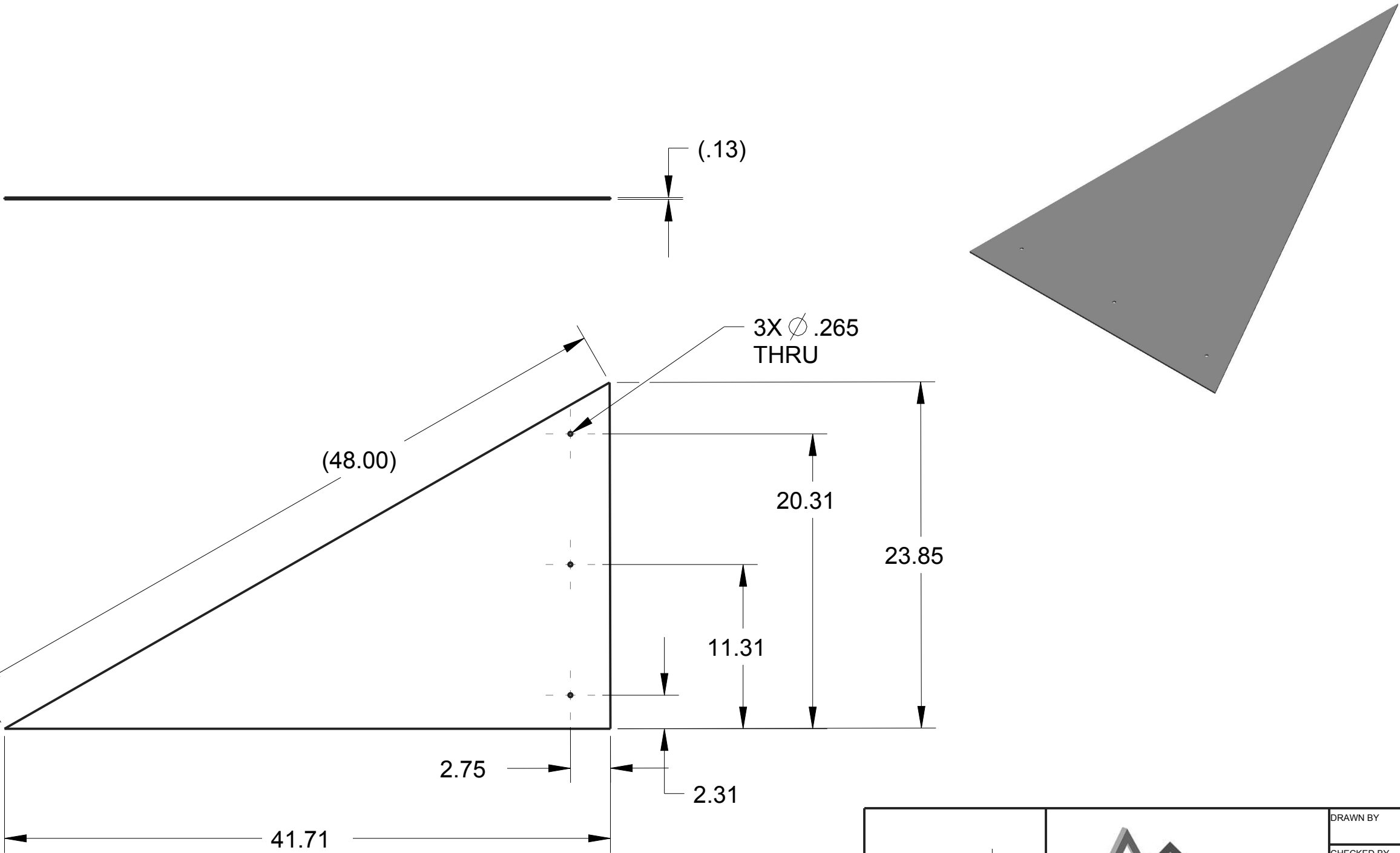
MODEL NAME	TITLE
GE-16142	BATTER PLASTIC, MIDDLE RAMP




- NOTES:
1. MATERIAL: 1/8" HDPE
 2. COLOR: GRAY
 3. FINISH: SMOOTH
 4. REMOVE ALL BURRS AND SHARP EDGES.

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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:6	SHEET 1 OF 1
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1	TITLE BATTER PLASTIC, MIDDLE RAMP		
DO NOT SCALE	PROJECT	MODEL NAME GE-16142	ISSUE

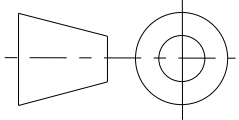




- Notes:
- 1. Material: 1/8" thick HDPE
 - 2. Color: Gray
 - 3. Texture: Smooth



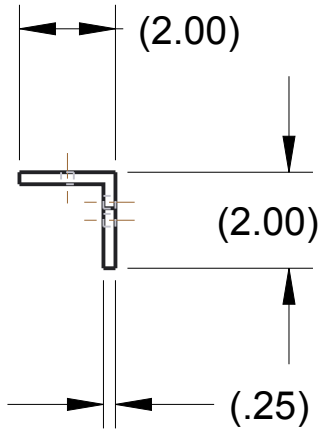
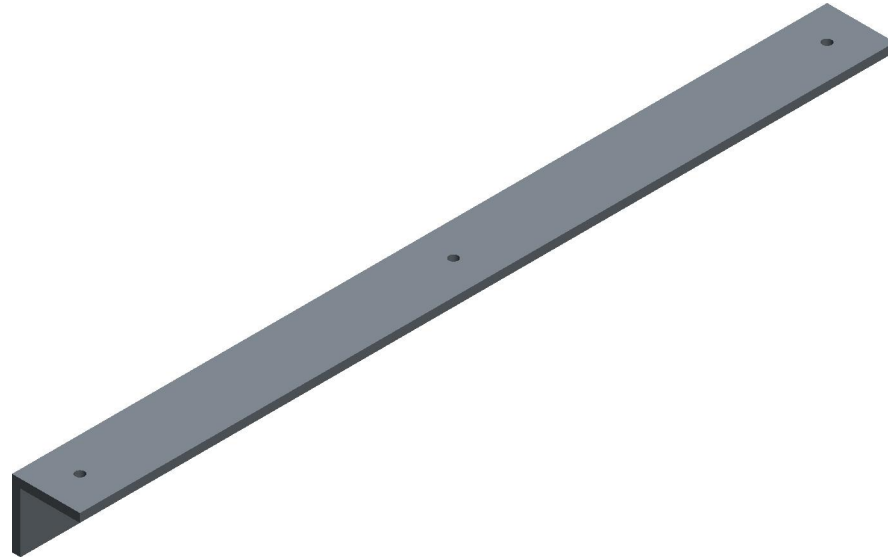
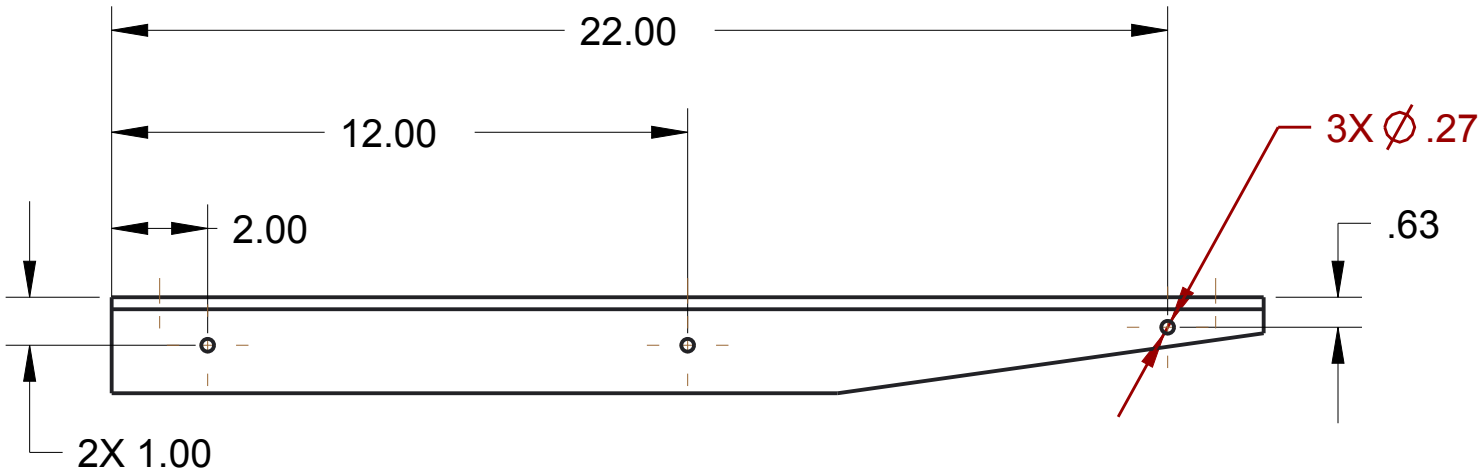
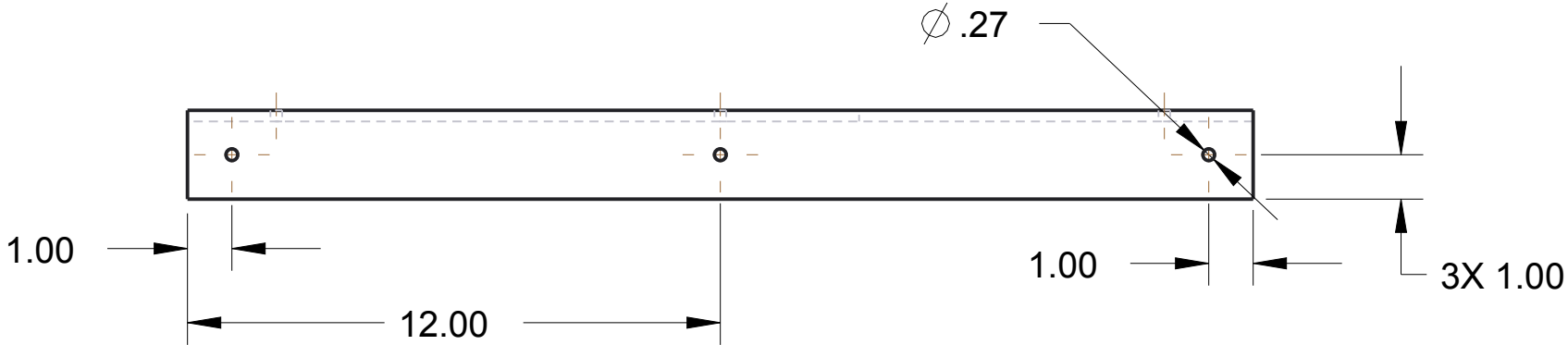
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SCALE 1:8	
SHEET 1 OF 1	



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TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

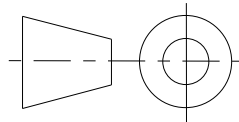
TITLE	
Batter Plastic, Half Corner	
PROJECT	MODEL NAME
	GE-16144
ISSUE	



NOTE

Material: 2" Aluminum Angle, .25" Wall

Remove all sharp edges and burrs



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DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



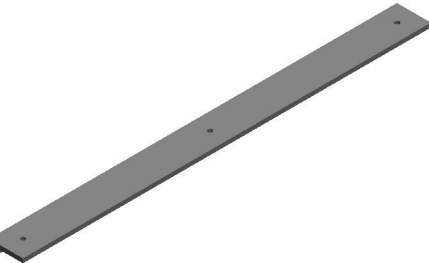
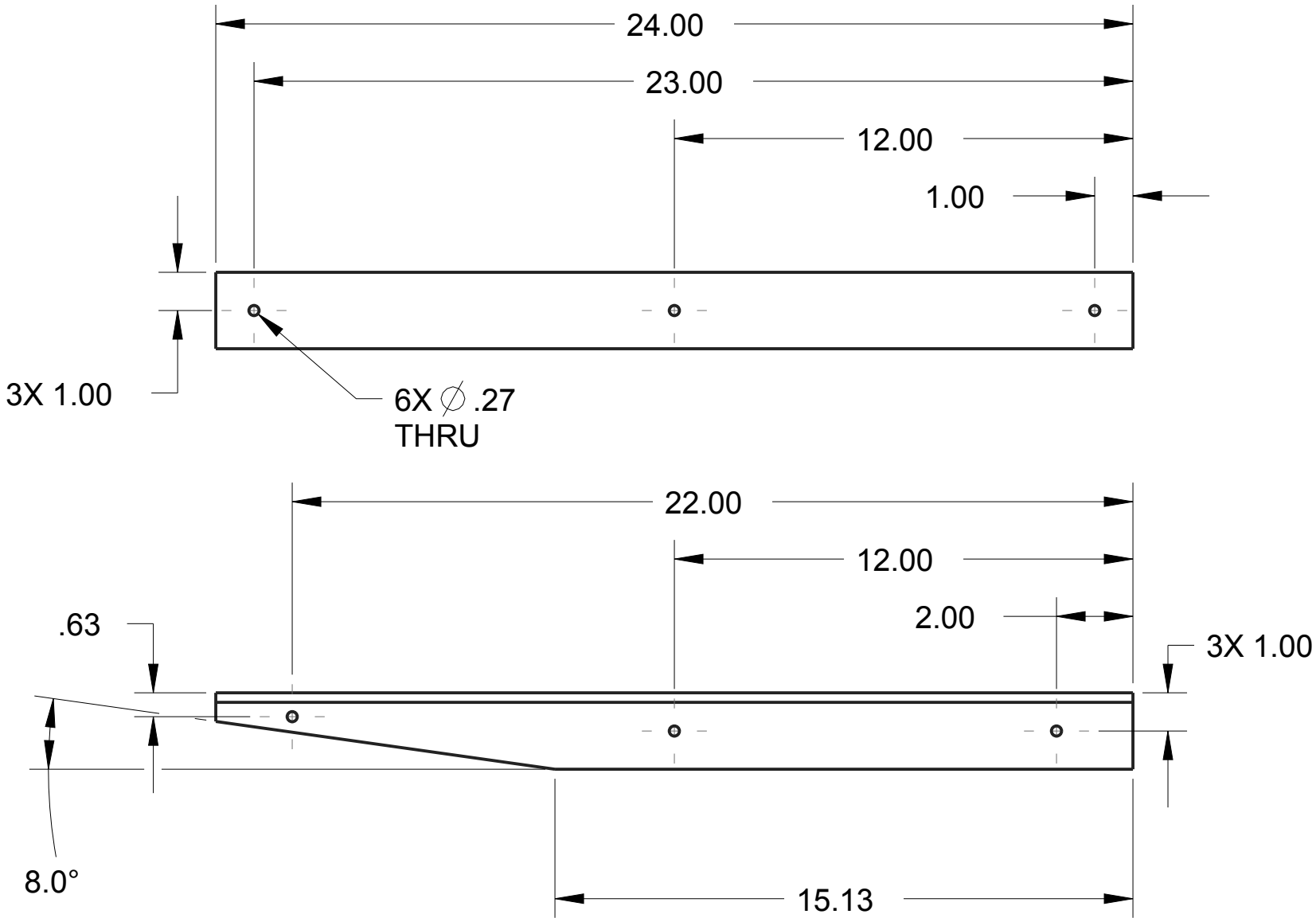
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TITLE
DIVIDER BRACE 1

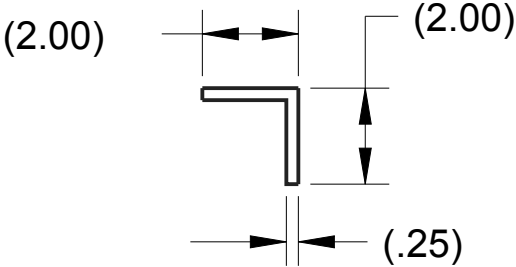
PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:4	SHEET 1 OF 1

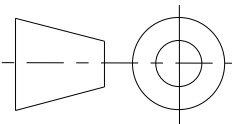

MODEL NAME GE-16145	ISSUE
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SCALE 1:8

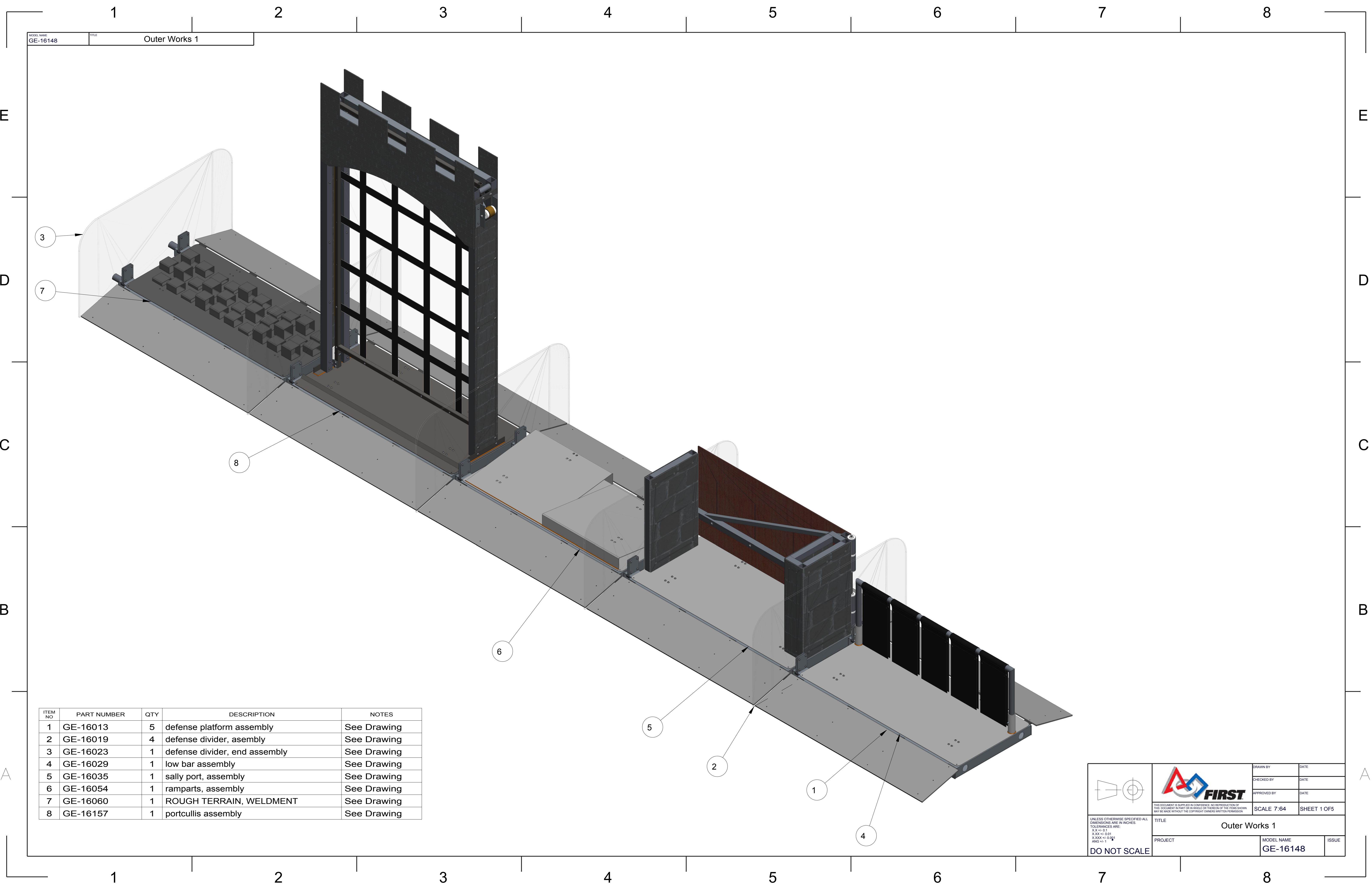


NOTES:
1. MATERIAL: 2" X .25" ANGLE, 6061 ALUMINUM
2. REMOVE ALL BURRS AND SHARP EDGES.

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°			
TITLE <div>DIVIDER BRACE 2</div>			
PROJECT		MODEL NAME GE-16146	ISSUE
DO NOT SCALE			

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X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16013	5	defense platform assembly	See Drawing
2	GE-16019	4	defense divider, assembly	See Drawing
3	GE-16023	1	defense divider, end assembly	See Drawing
4	GE-16029	1	low bar assembly	See Drawing
5	GE-16035	1	sally port, assembly	See Drawing
6	GE-16054	1	ramparts, assembly	See Drawing
7	GE-16060	1	ROUGH TERRAIN, WELDMENT	See Drawing
8	GE-16157	1	portcullis assembly	See Drawing

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APPROVED BY	DATE

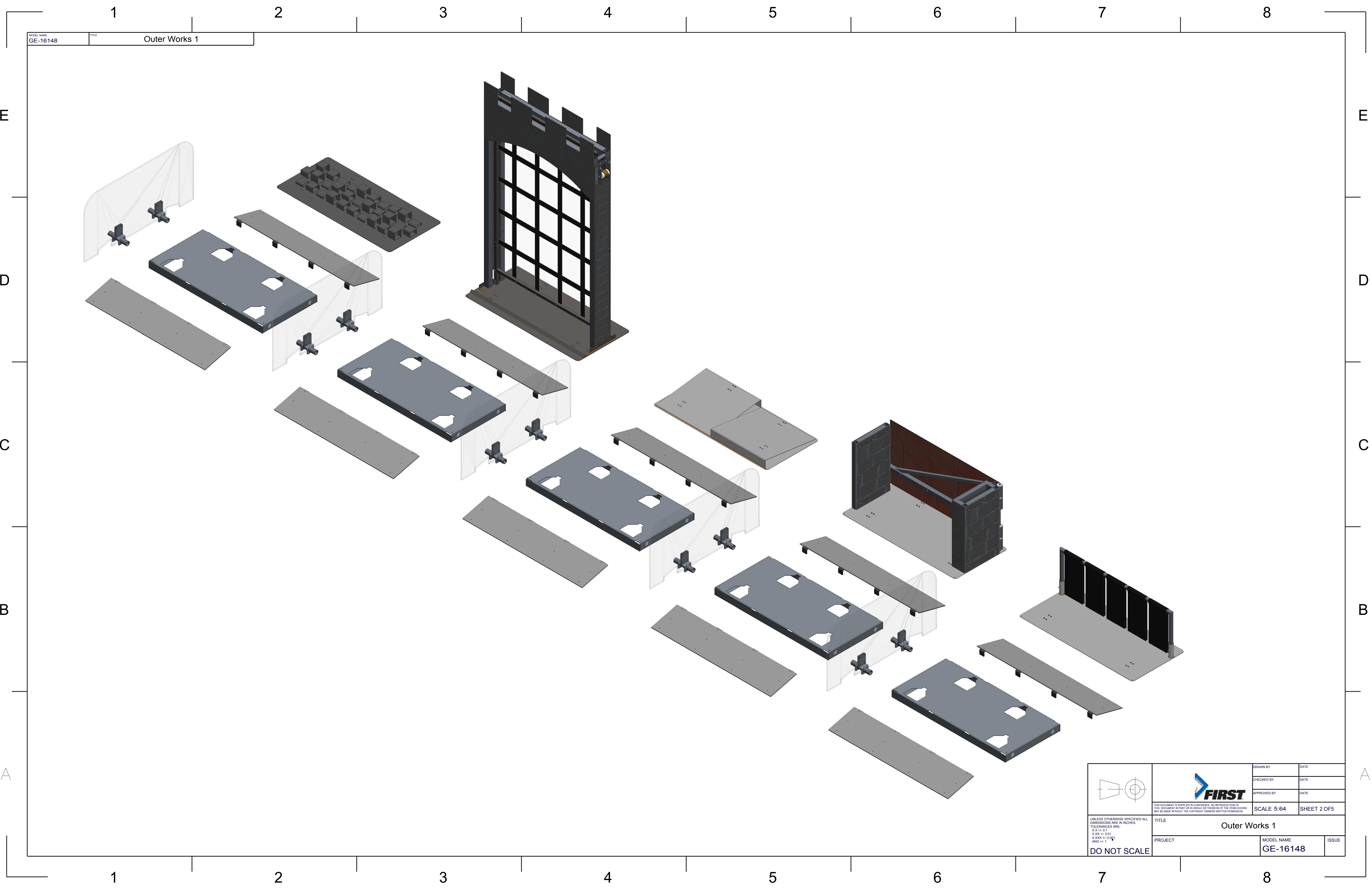
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.XX +/- 0.1
X.XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

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SCALE 7:64

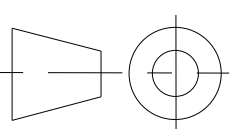

SHEET 1 OF 5

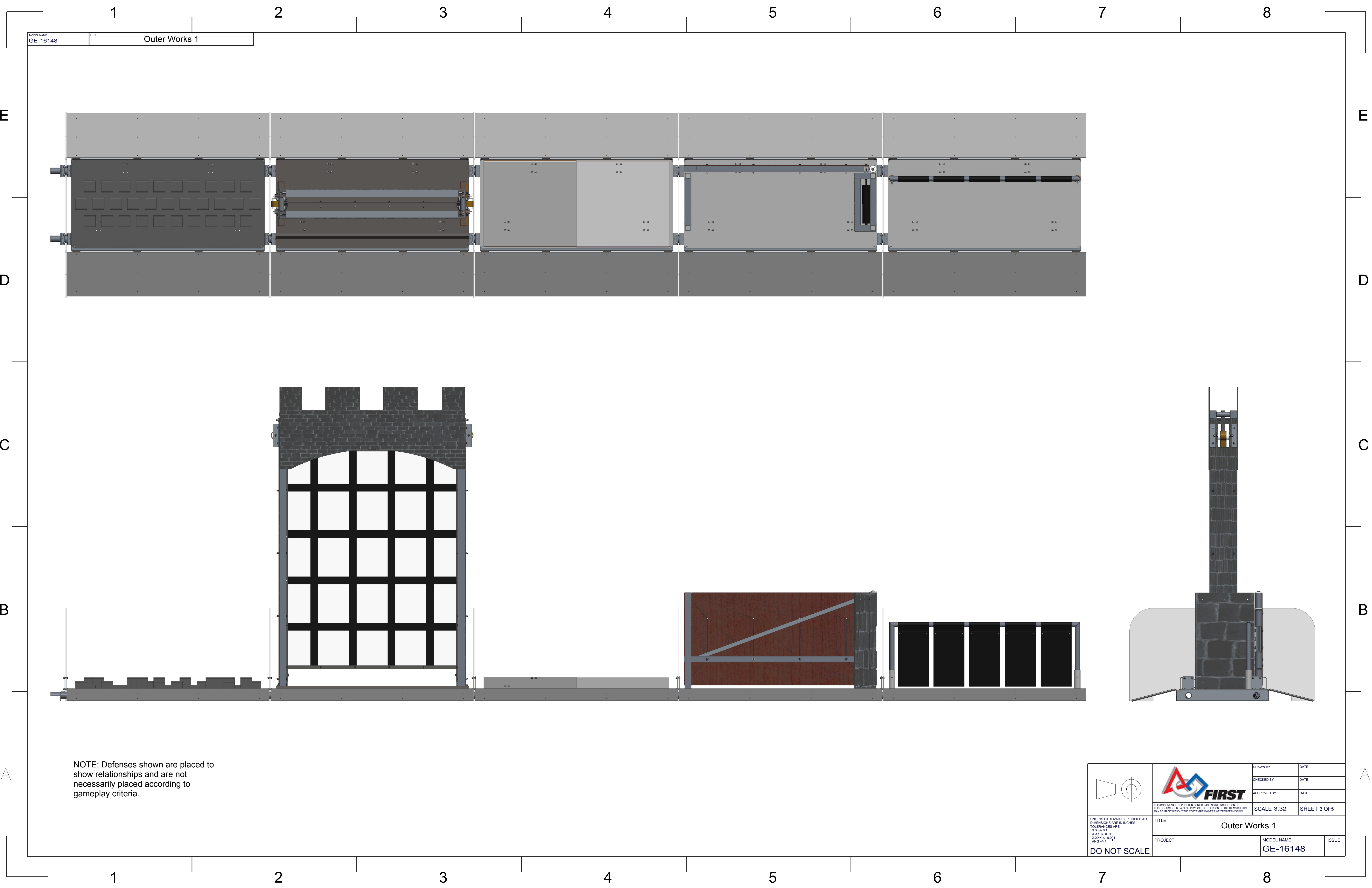
TITLE	
Outer Works 1	
PROJECT	MODEL NAME
	GE-16148
ISSUE	



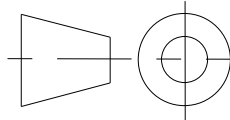

MODEL NAME
GE-16148

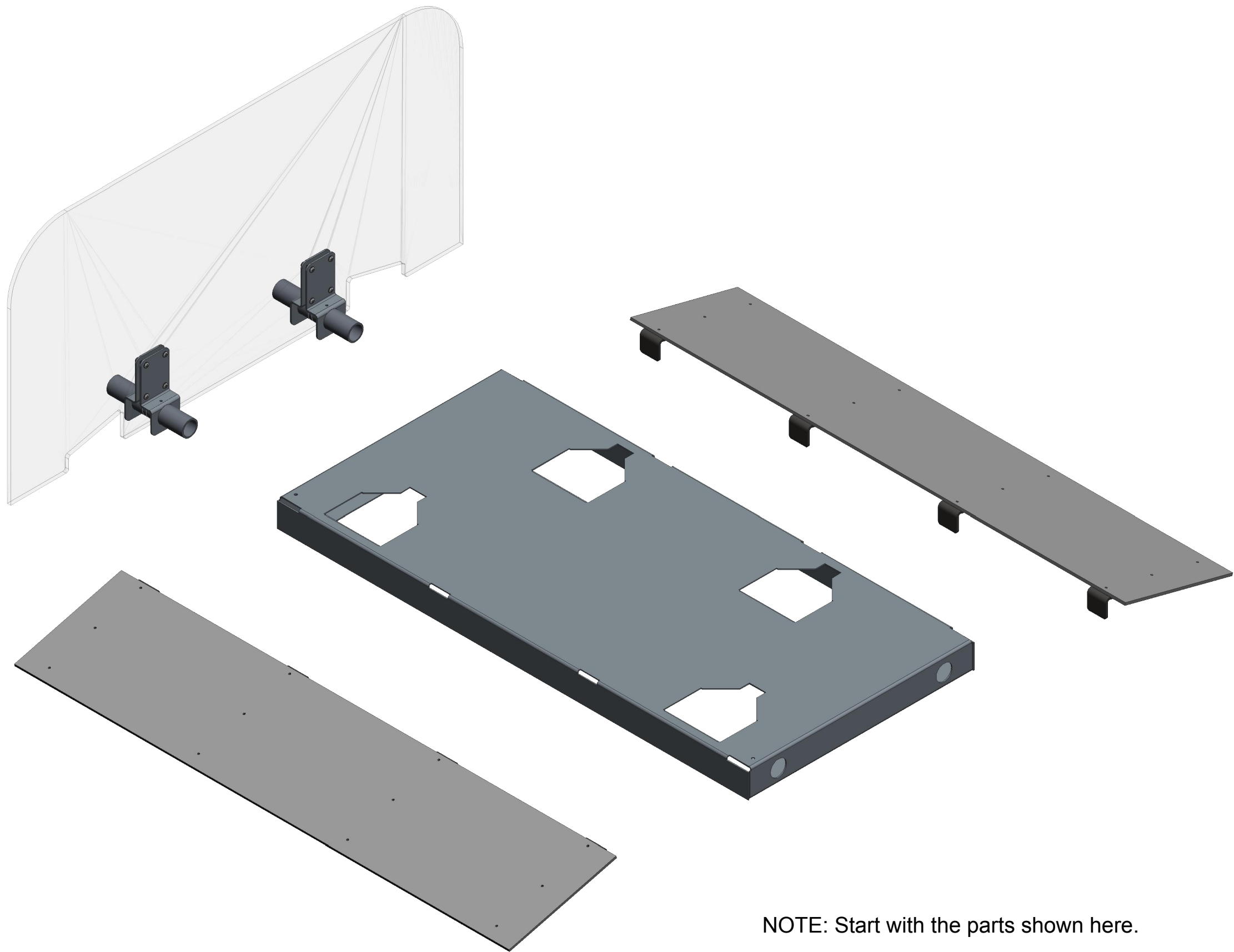
TITLE
Outer Works 1

 <div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1</div> <div>DO NOT SCALE</div>	 <div>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION.</div>		DRAWN BY	DATE
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			APPROVED BY	DATE
	TITLE		SCALE 5:64	SHEET 2 OF 5
Outer Works 1				
PROJECT		MODEL NAME		ISSUE
		GE-16148		

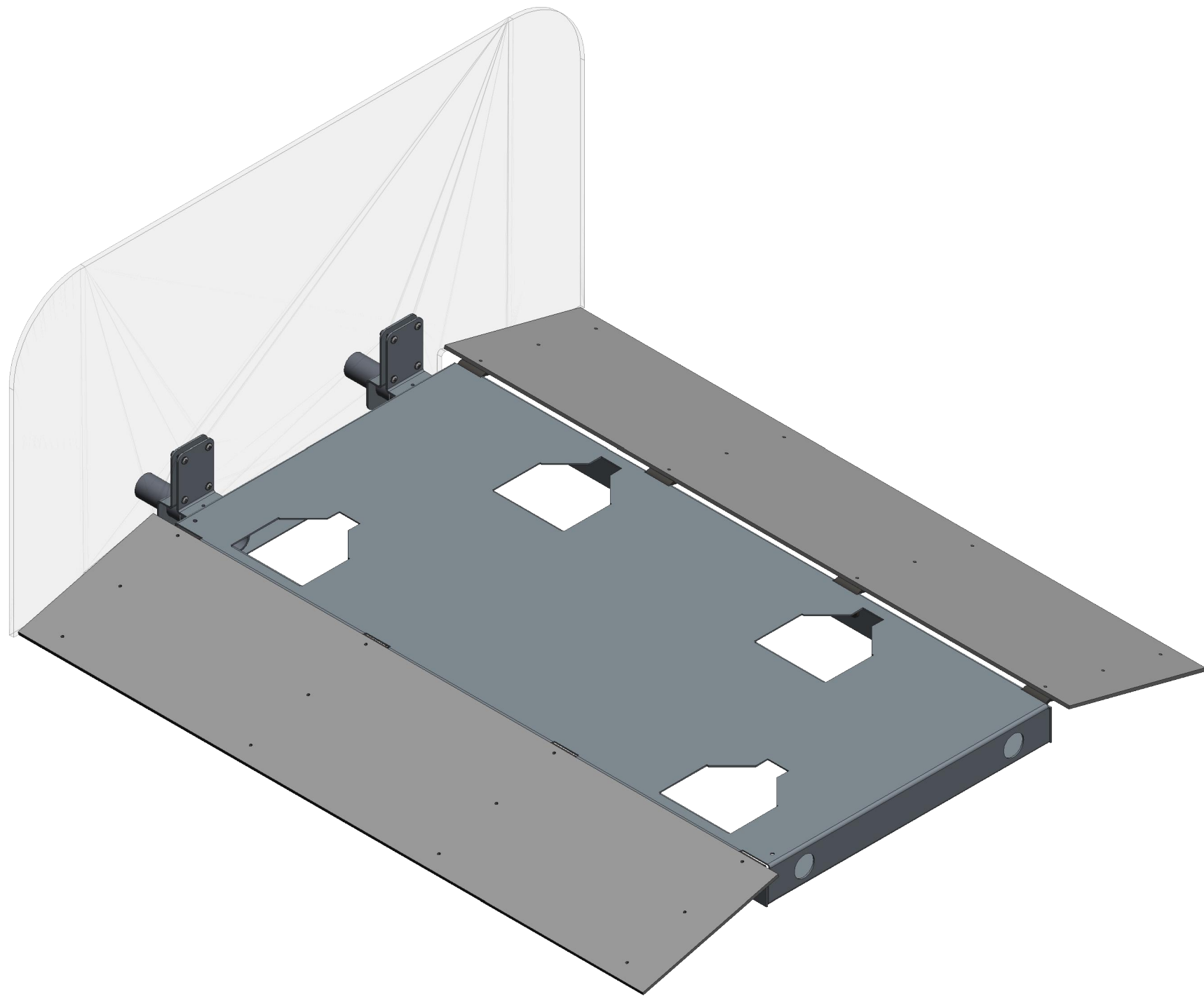


NOTE: Defenses shown are placed to show relationships and are not necessarily placed according to gameplay criteria.

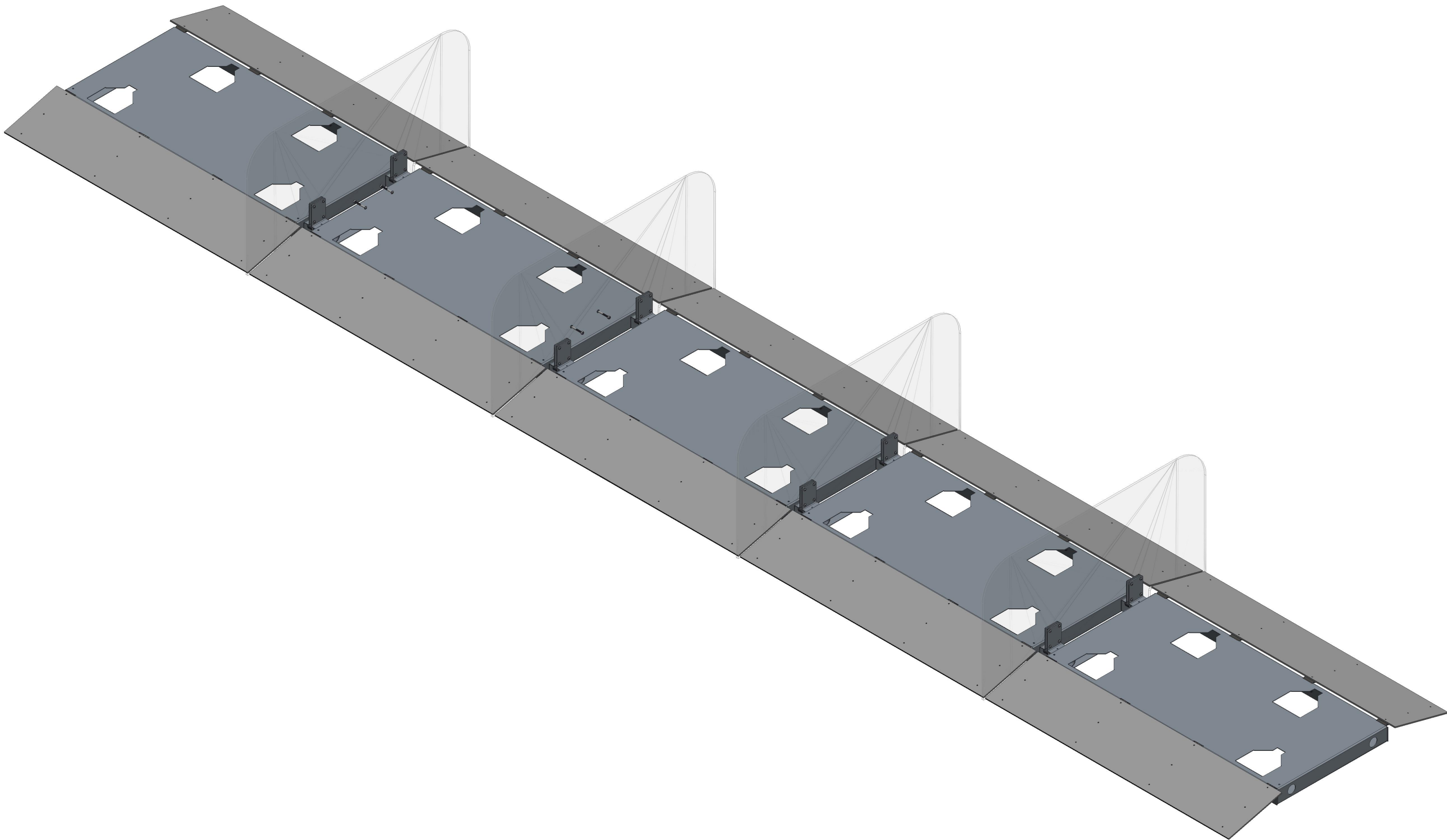
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		APPROVED BY	DATE
		SCALE 3:32	SHEET 3 OF 5
TITLE Outer Works 1			
PROJECT	MODEL NAME GE-16148	ISSUE	



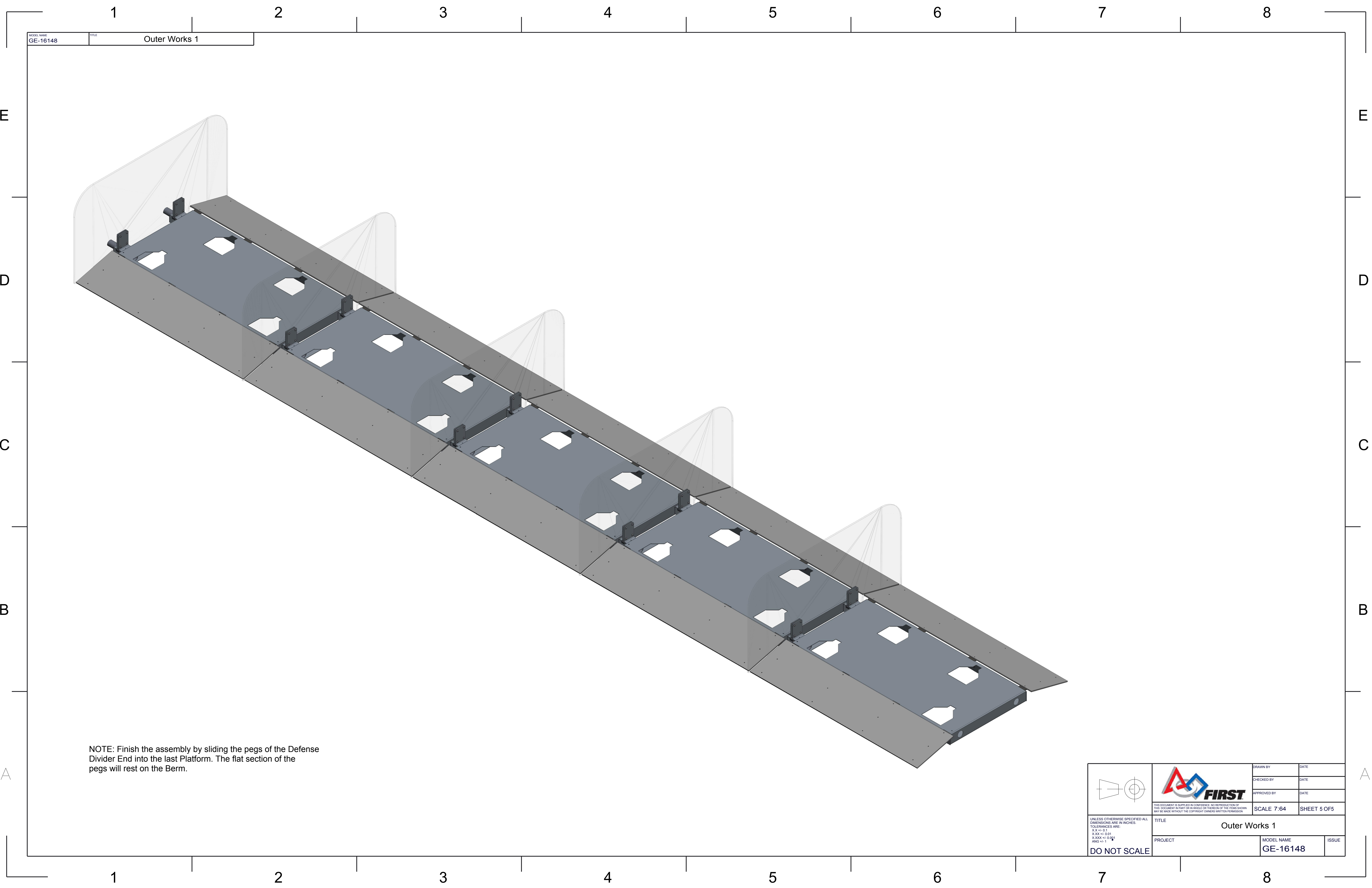
NOTE: Start with the parts shown here.



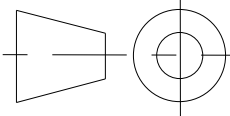

NOTE: Slide the ramps into the receiver slots on the sides of the Platform. Then slide the pegs of the Defense Divider into the receiver holes in the Defense Platform.

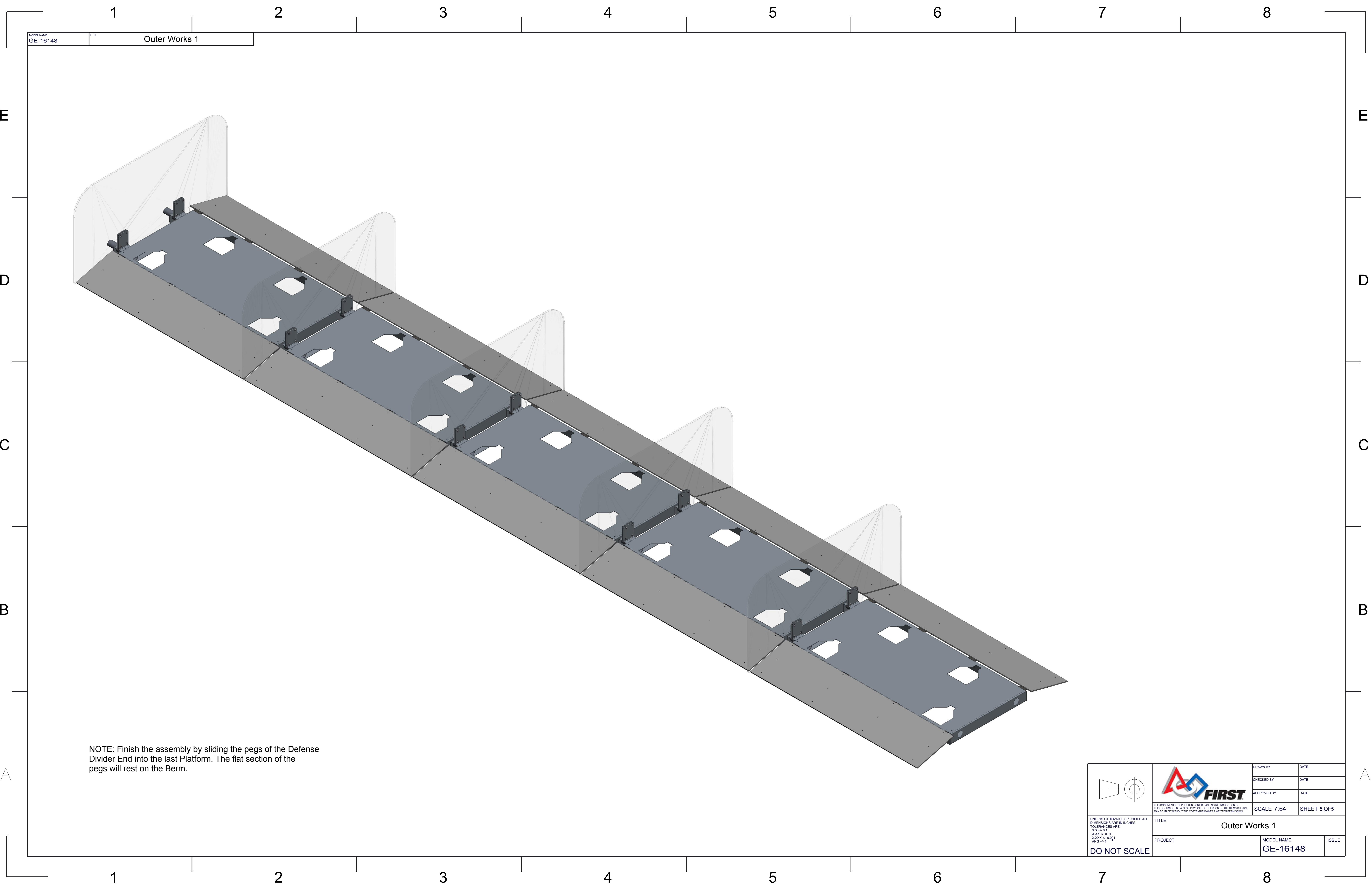


NOTE: Repeat the last step until the assembly looks like this.




NOTE: Finish the assembly by sliding the pegs of the Defense Divider End into the last Platform. The flat section of the pegs will rest on the Berm.

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TITLE		Outer Works 1	
PROJECT		MODEL NAME	ISSUE
DO NOT SCALE		GE-16148	

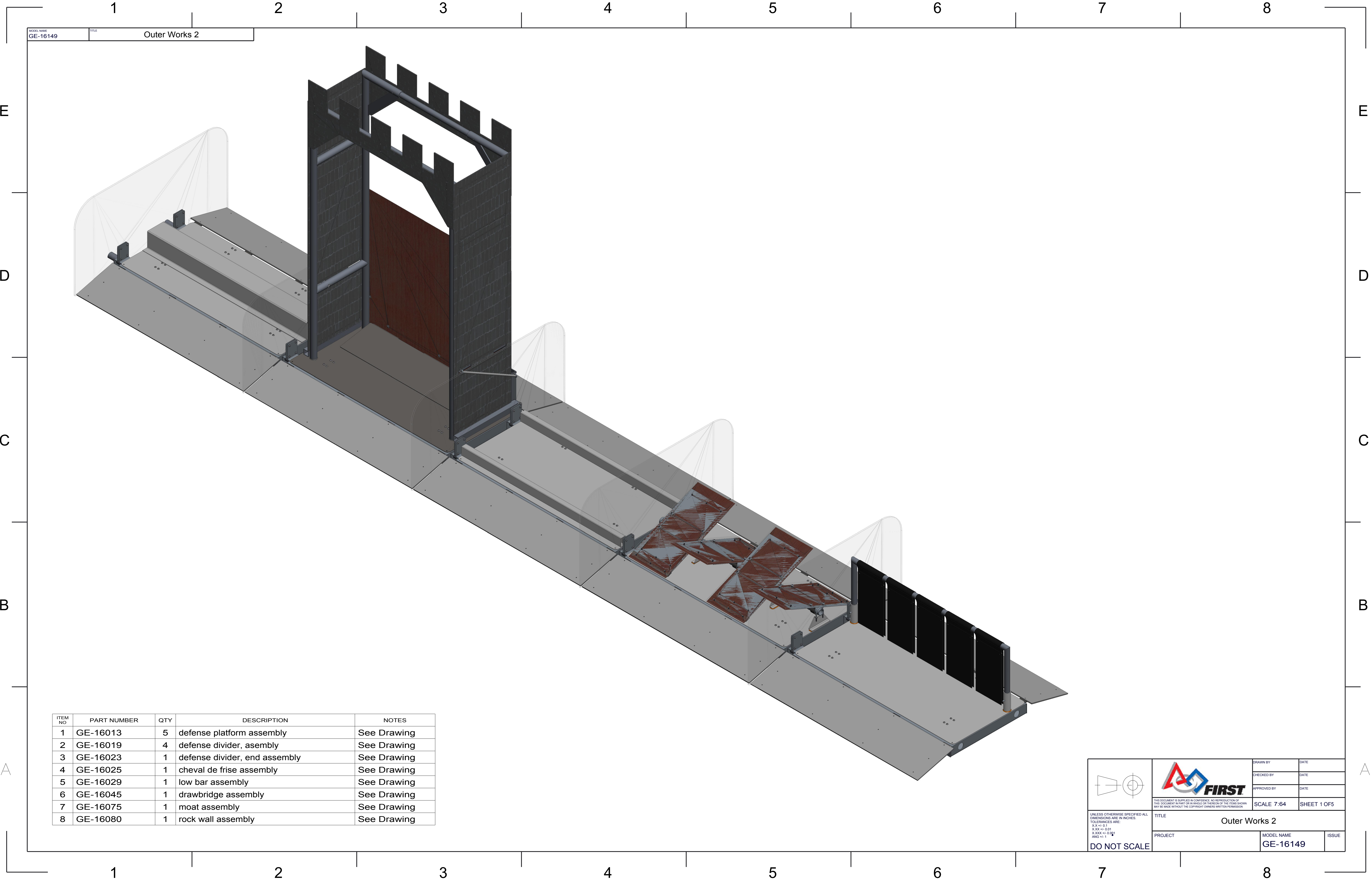


NOTE: Finish the assembly by sliding the pegs of the Defense Divider End into the last Platform. The flat section of the pegs will rest on the Berm.

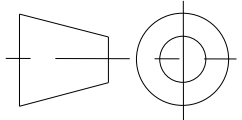
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TITLE		SCALE 7:64	SHEET 5 OF 5
PROJECT		MODEL NAME	ISSUE
		GE-16148	

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.XX +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE




ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16013	5	defense platform assembly	See Drawing
2	GE-16019	4	defense divider, assembly	See Drawing
3	GE-16023	1	defense divider, end assembly	See Drawing
4	GE-16025	1	cheval de frise assembly	See Drawing
5	GE-16029	1	low bar assembly	See Drawing
6	GE-16045	1	drawbridge assembly	See Drawing
7	GE-16075	1	moat assembly	See Drawing
8	GE-16080	1	rock wall assembly	See Drawing



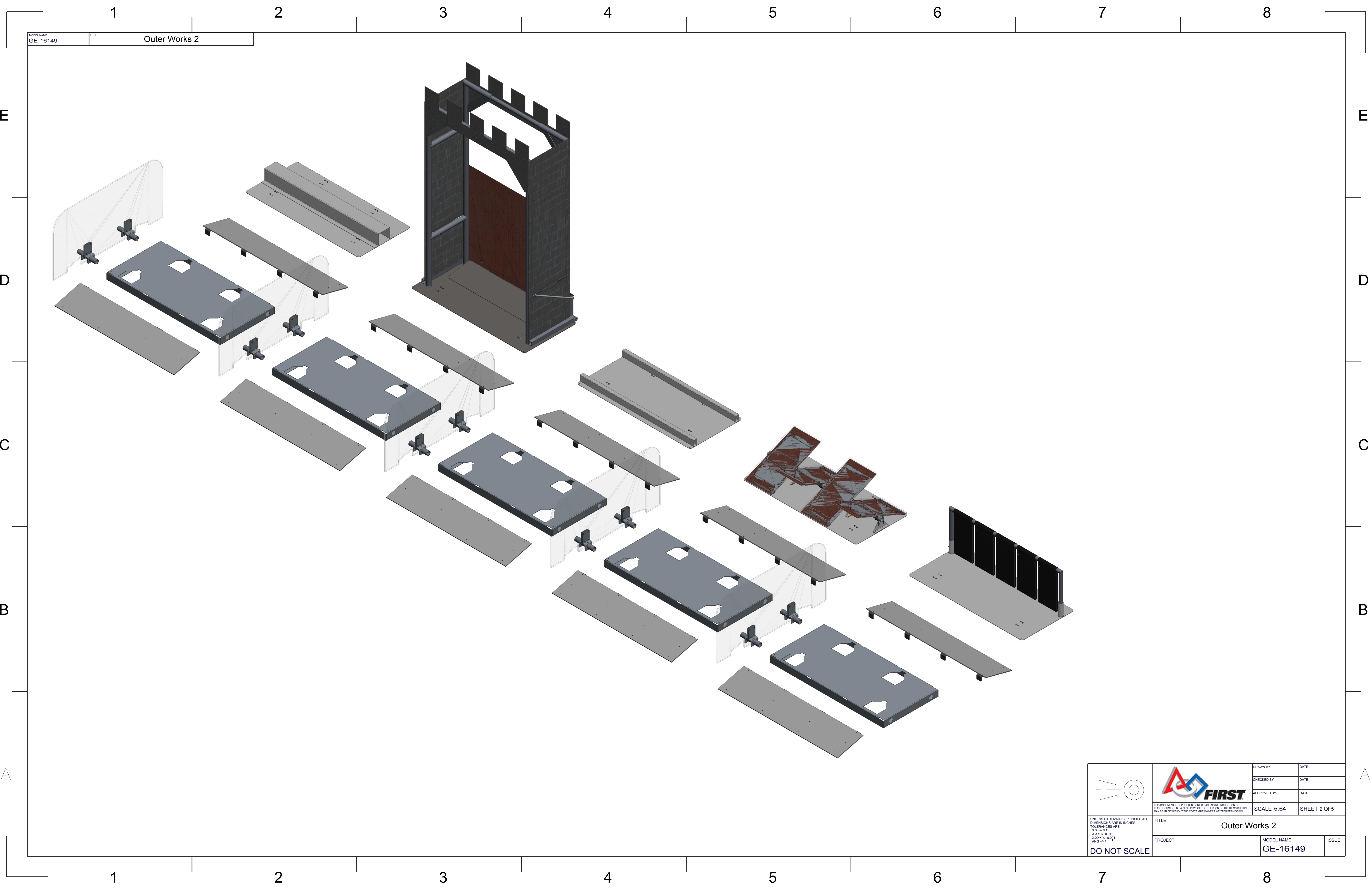
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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE



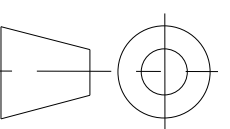

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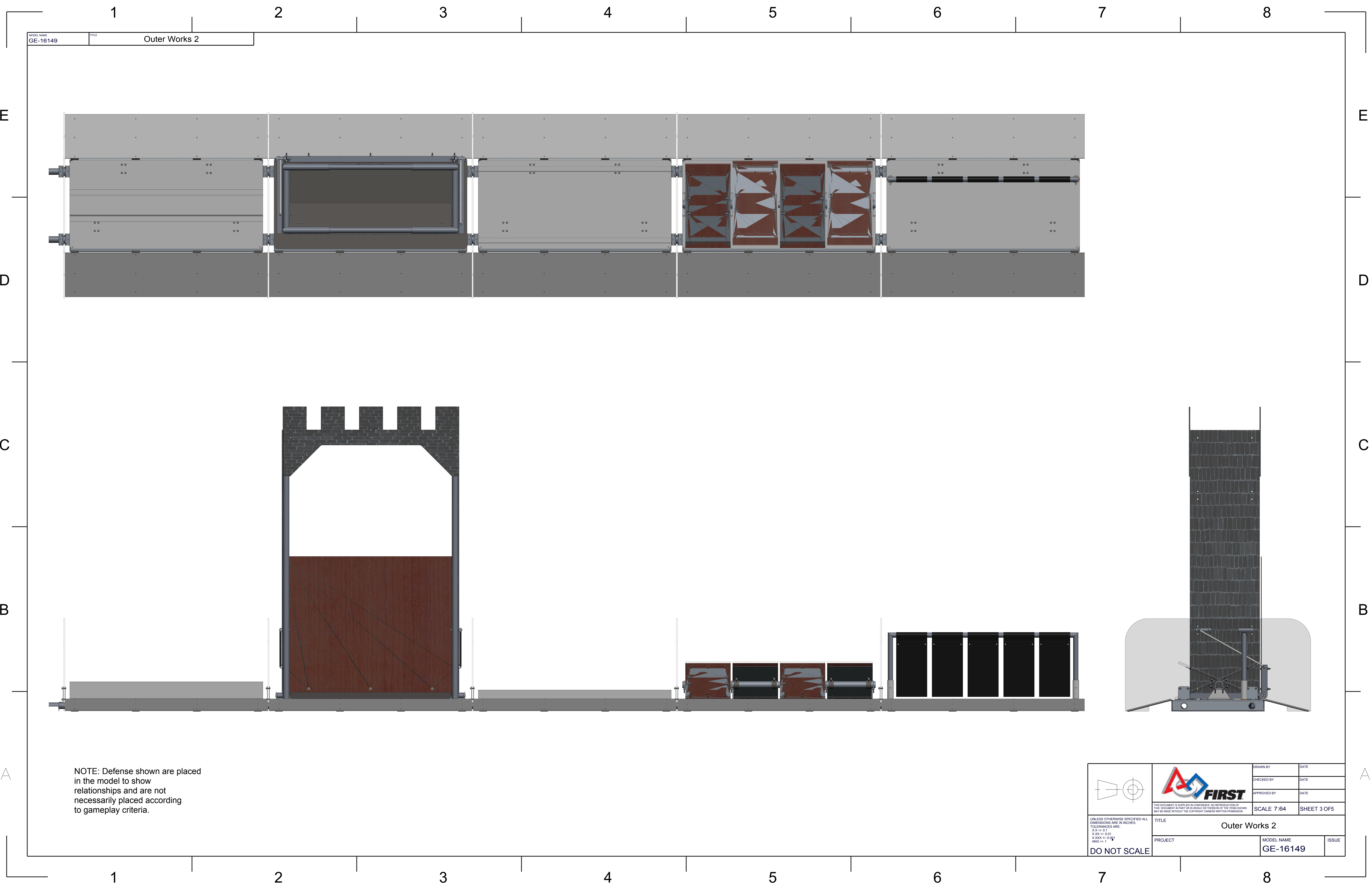
DRAWN BY	DATE
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SCALE 7:64 SHEET 1 OF 5	
TITLE Outer Works 2	
PROJECT	MODEL NAME GE-16149
ISSUE	



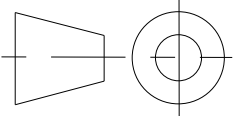

MODEL NAME
GE-16149

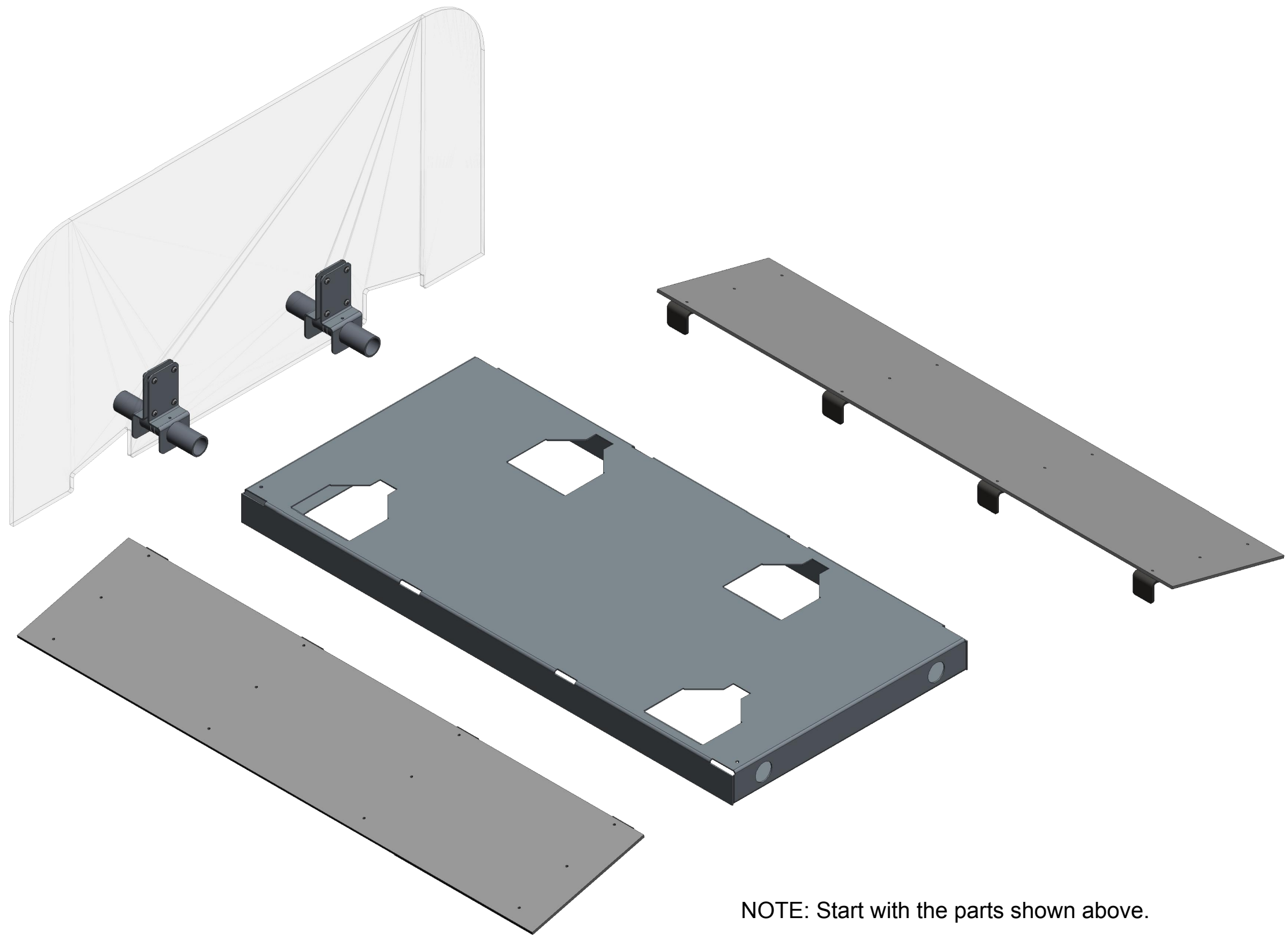
TITLE
Outer Works 2

 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. XXX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1</small> DO NOT SCALE	 <small>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION</small>	DRAWN BY	DATE
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		SCALE 5:64 SHEET 2 OF 5	
TITLE Outer Works 2			
PROJECT		MODEL NAME GE-16149	ISSUE

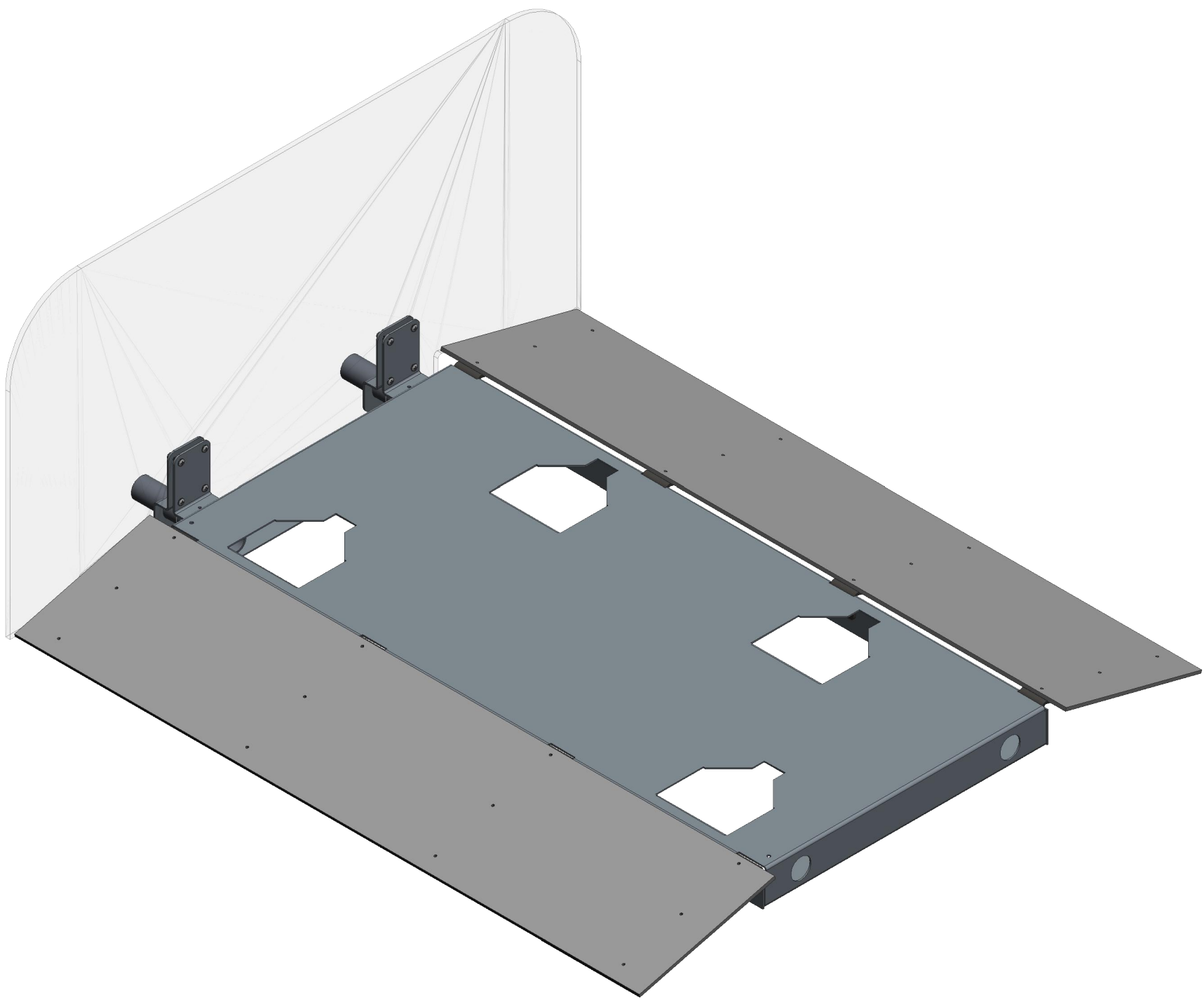


NOTE: Defense shown are placed in the model to show relationships and are not necessarily placed according to gameplay criteria.

		DRAWN BY	DATE
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		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. X.XX +/- 0.1 X.XXX +/- 0.01 ANG +/- 1	
DO NOT SCALE		TITLE Outer Works 2	
PROJECT		MODEL NAME GE-16149	ISSUE

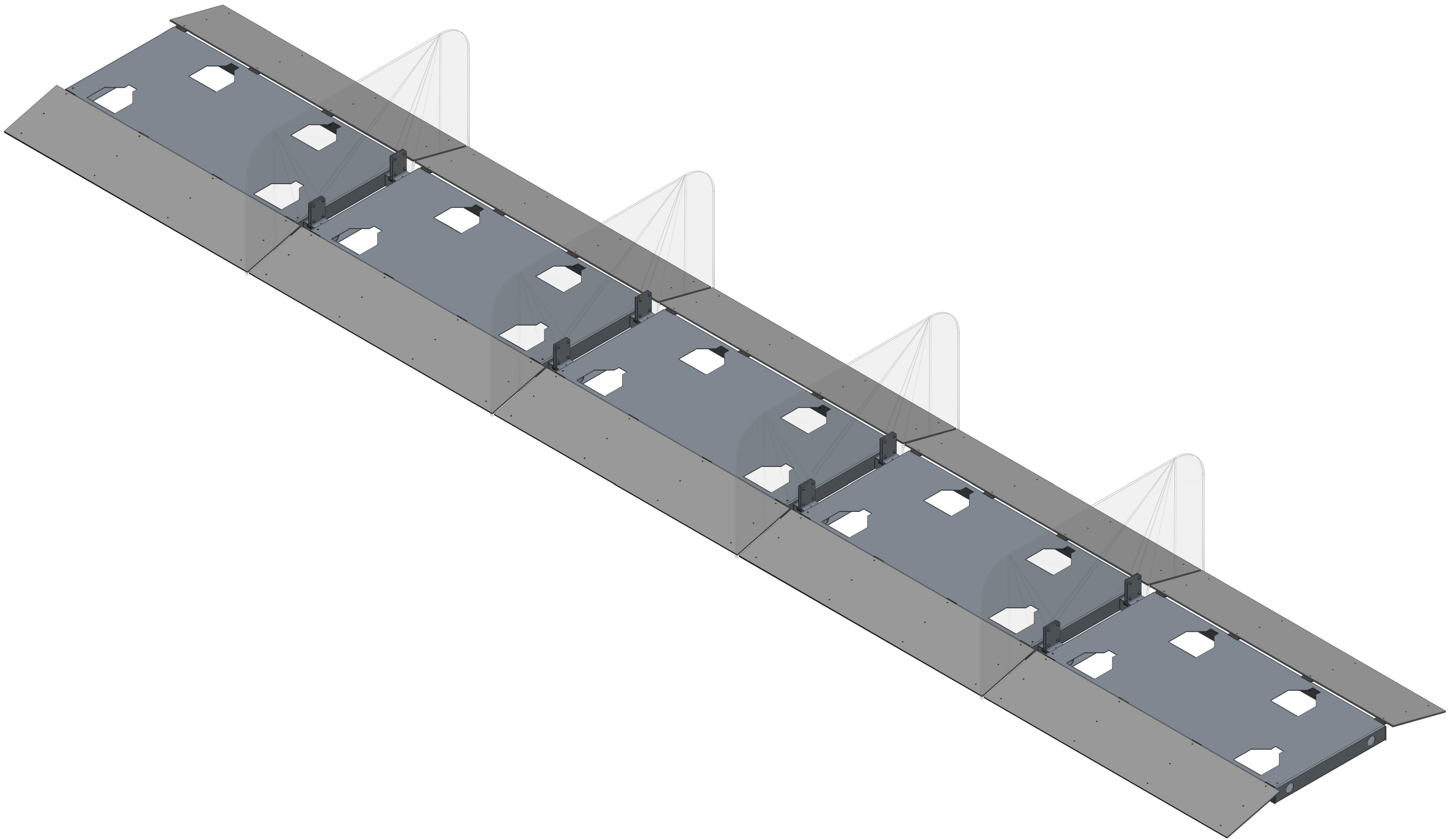



NOTE: Start with the parts shown above.



Slide the ramps into the receiver slots on the sides of teh Platform. Then slide the pegs of the Defense Divider into the receiver holes in the Defense Platform.

NOTE: Repeat the last step until the assembly looks like this.





DRAWN BY

CHECKED BY

APPROVED BY

DATE

DATE

DATE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.XX +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

TITLE
Outer Works 2

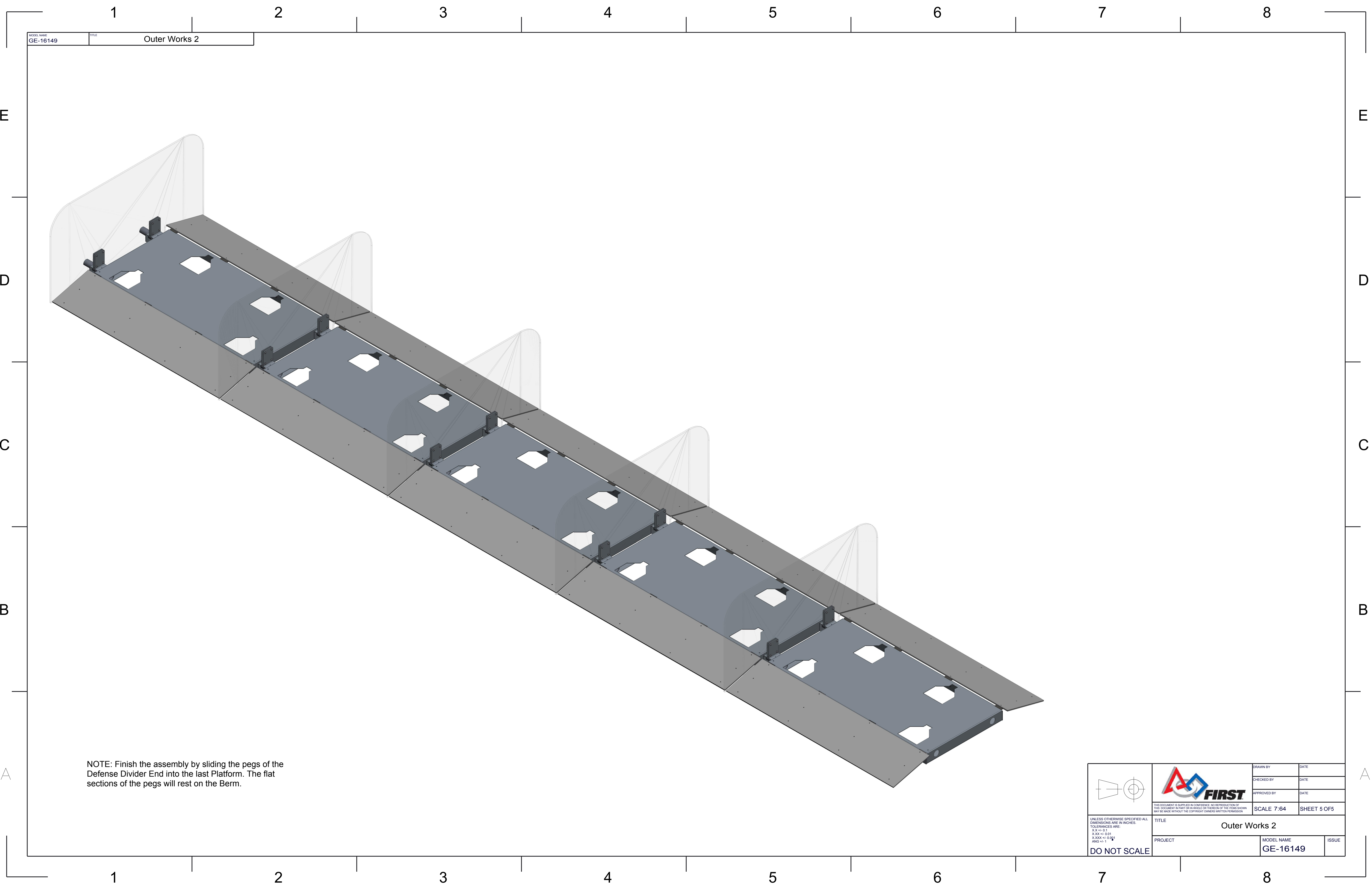
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MODEL NAME
GE-16149



ISSUE

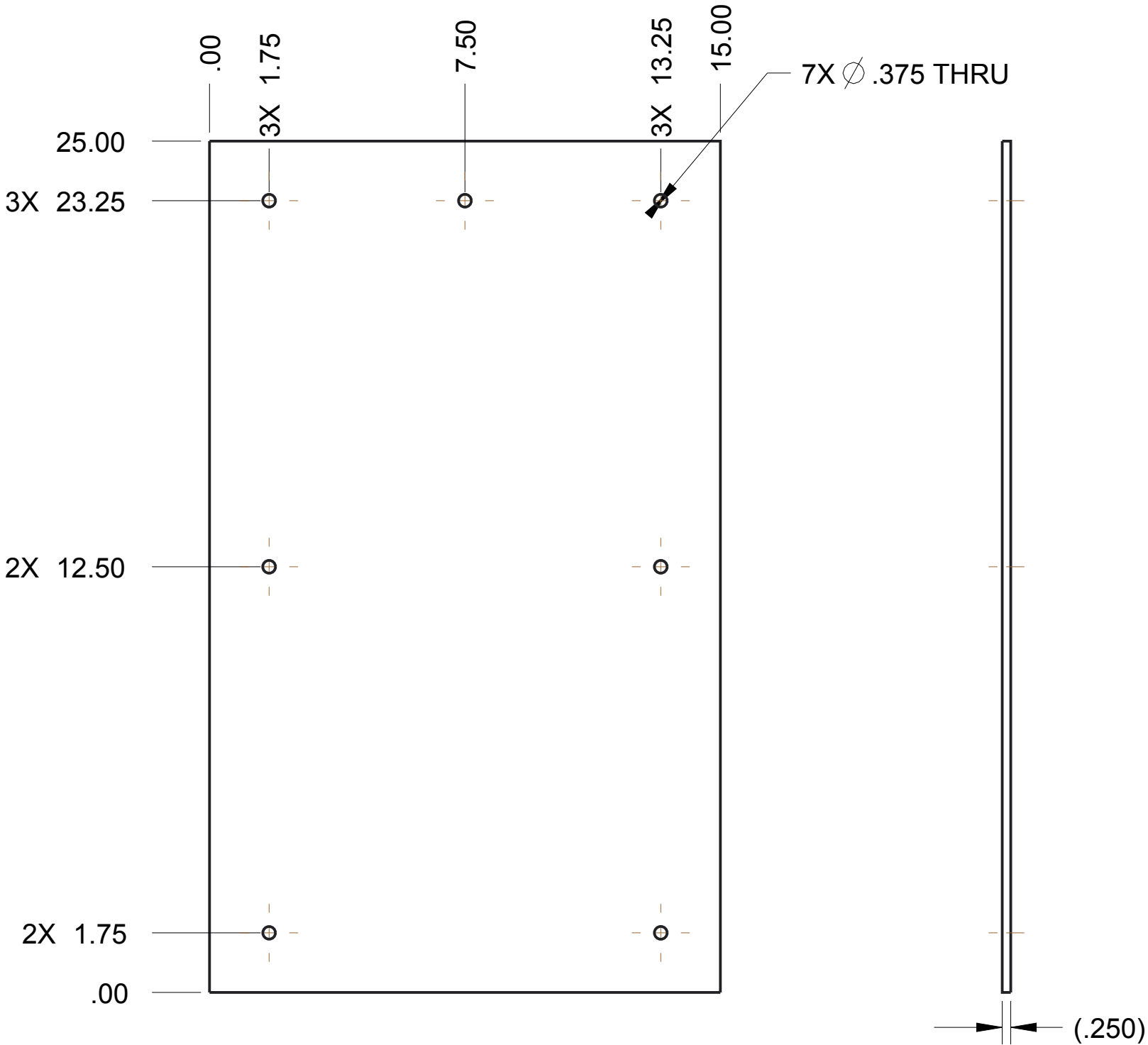
SCALE 1:8

SHEET 4 OF 5



NOTE: Finish the assembly by sliding the pegs of the Defense Divider End into the last Platform. The flat sections of the pegs will rest on the Berm.

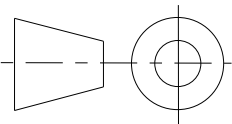
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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 7:64	SHEET 5 OF 5
TITLE Outer Works 2			
PROJECT		MODEL NAME GE-16149	ISSUE



NOTE

Material: Clear Polycarbonate, .25" Thick
Scale: 1:4

Print one side, Block Pattern

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°			
TITLE SIDE PLASTIC, SALLY PORT			
PROJECT		MODEL NAME GE-16152	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

MODEL NAME
GE-16153

TITLE

OWD SIDE POLY, BENT



2X \varnothing .38 Thru

4X \varnothing .38 Thru

2X 23.25

25.00
2X 23.25

12.50

1.75
.00

.00

14.75

15.25

1.75
.00

4.00
1.75
.00




Note:

Material: Clear Polycarbonate,
.25 " Thick

Scale 1:8

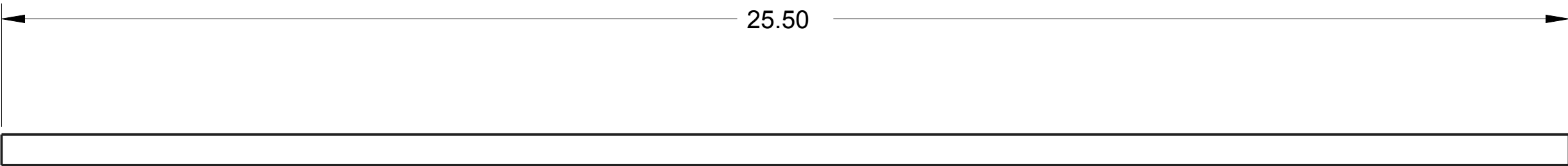
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Print to look like stone

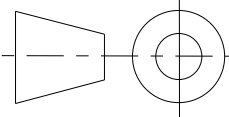
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XXX +/- 0.01 X.XXX +/- 0.001 ANG +/- .1	TITLE OWD SIDE POLY, BENT	
	PROJECT	MODEL NAME GE-16153
DO NOT SCALE	ISSUE	

MODEL NAME
GE-16154

TITLE
HINGE PIN




NOTES:
1. MATERIAL: .5" DIAMETER 1018 STEEL ROD
2. REMOVE ALL BURRS AND SHARP EDGES.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



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TITLE
HINGE PIN

PROJECT

DRAWN BY

CHECKED BY

APPROVED BY

DATE

DATE

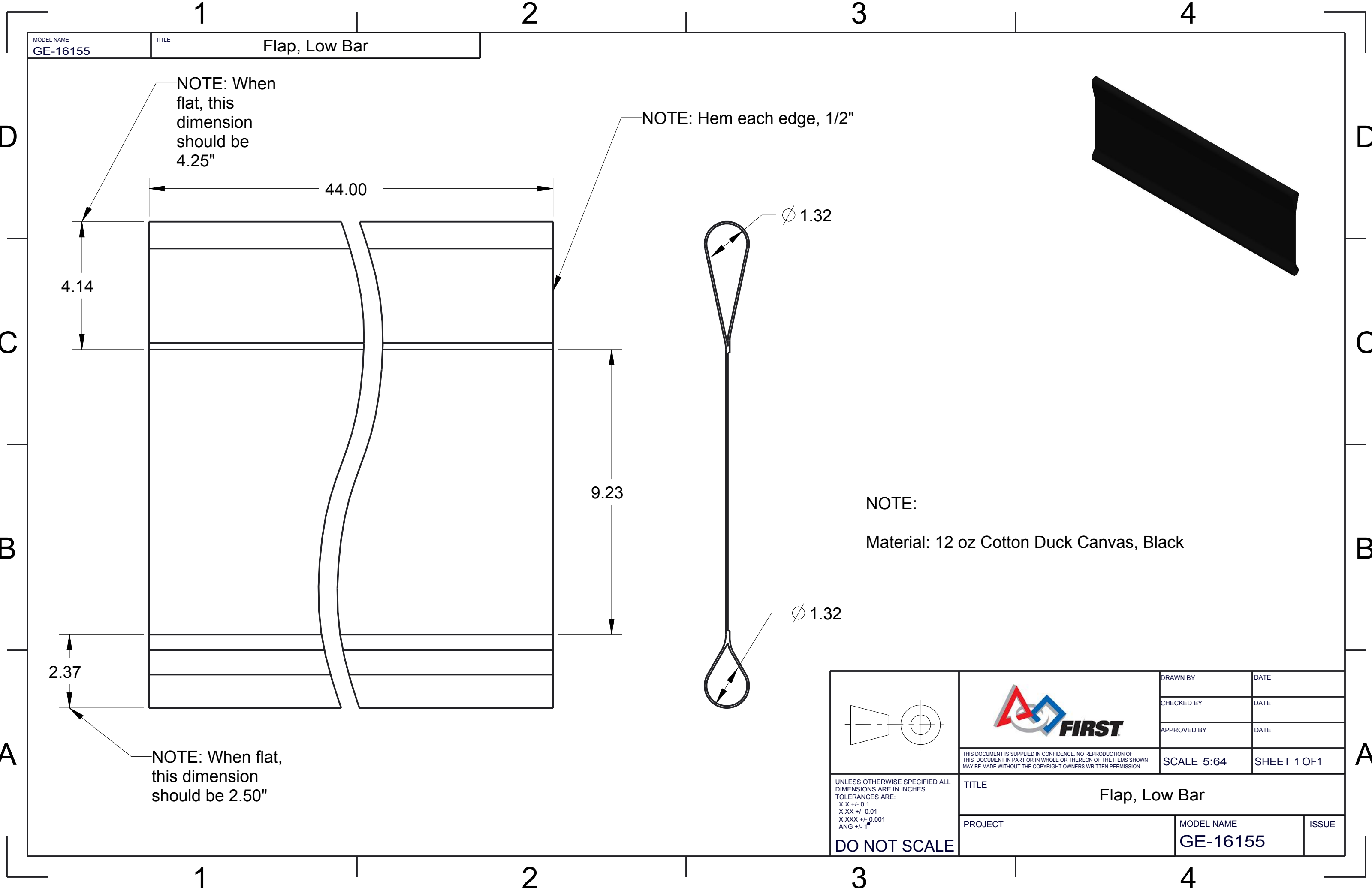
DATE

SCALE 1:2

SHEET 1 OF1

MODEL NAME
GE-16154

ISSUE



MODEL NAME
GE-16155

TITLE
Flap, Low Bar

NOTE: When flat, this dimension should be 4.25"

NOTE: Hem each edge, 1/2"

4.14

44.00

9.23

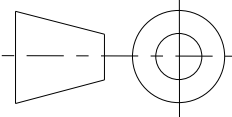
Ø 1.32

Ø 1.32

NOTE:
Material: 12 oz Cotton Duck Canvas, Black

NOTE: When flat, this dimension should be 2.50"

2.37



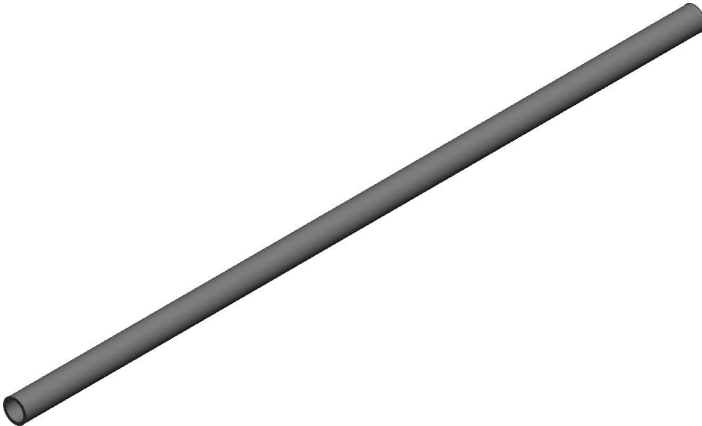
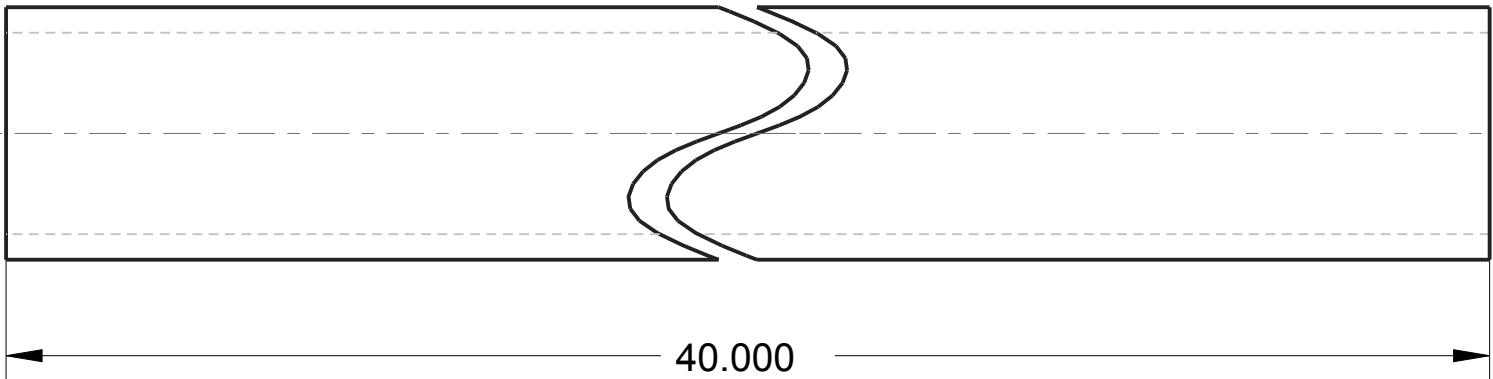
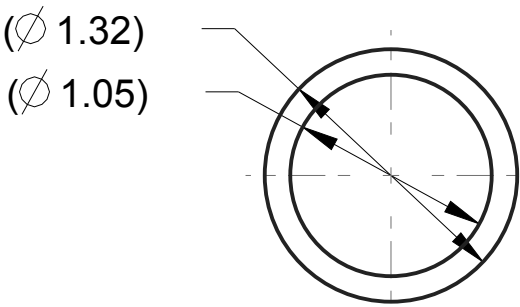
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 5:64	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

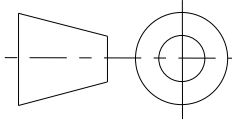
TITLE
Flap, Low Bar

PROJECT	MODEL NAME GE-16155	ISSUE
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NOTE

Material: 1" Schedule 40 Aluminum Pipe
Scale: 1:1



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DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



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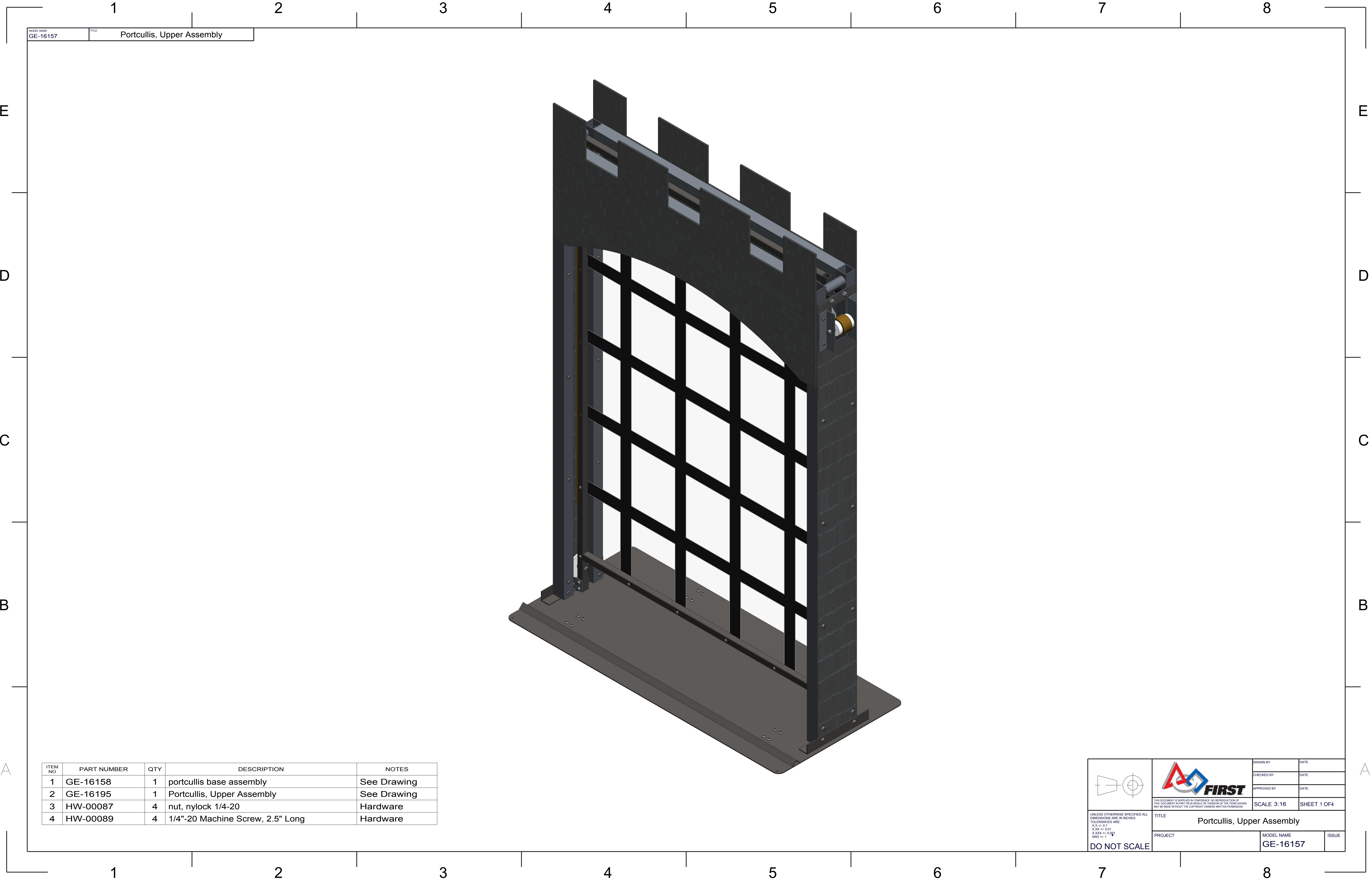
TITLE
LB Weight

PROJECT

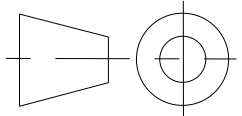
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:1	SHEET 1 OF 1


MODEL NAME
GE-16156

ISSUE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16158	1	portcullis base assembly	See Drawing
2	GE-16195	1	Portcullis, Upper Assembly	See Drawing
3	HW-00087	4	nut, nylock 1/4-20	Hardware
4	HW-00089	4	1/4"-20 Machine Screw, 2.5" Long	Hardware





DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

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TOLERANCES ARE:
XXX ±0.01
X.XXX ±0.001
ANG ±1

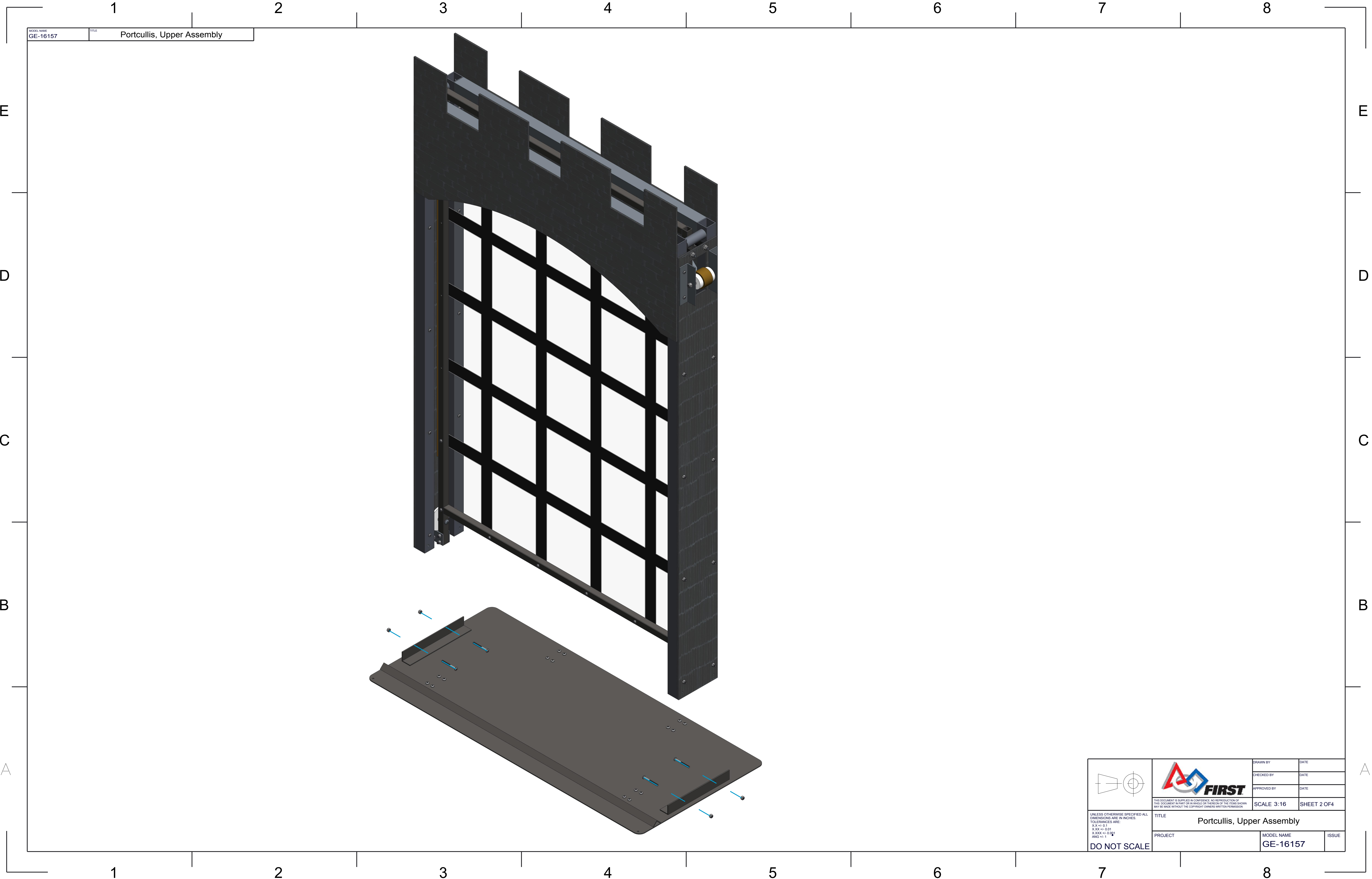
DO NOT SCALE

TITLE
Portcullis, Upper Assembly



PROJECT	MODEL NAME GE-16157	ISSUE
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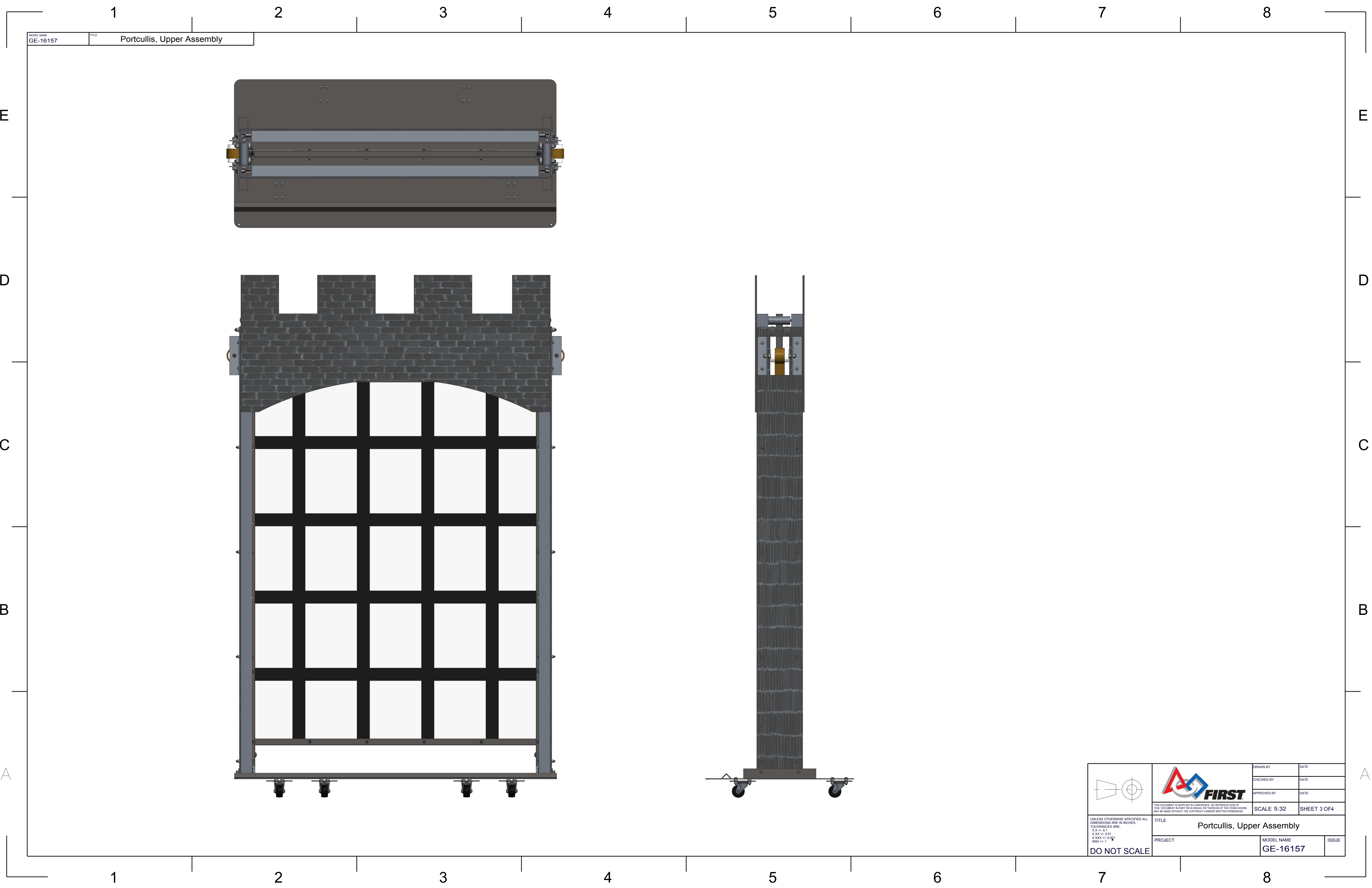
SCALE 3:16

SHEET 1 OF 4





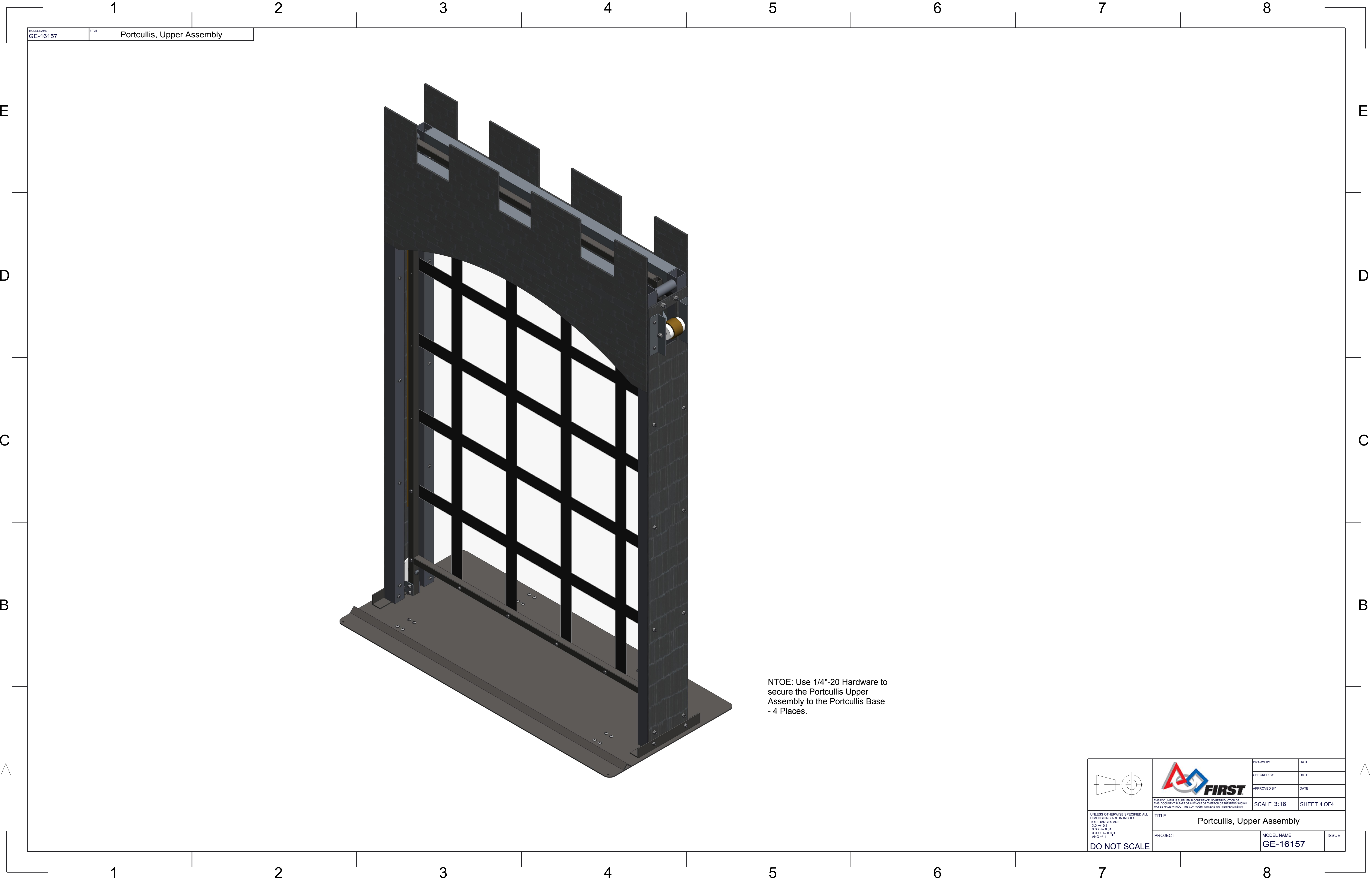
MODEL NAME	TITLE
GE-16157	Portcullis, Upper Assembly

 <div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.XX +/- 0.1 X.XXX +/- 0.001 ANG +/- 1</div> <div>DO NOT SCALE</div>	 <div>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION.</div>	DRAWN BY	DATE		
		CHECKED BY	DATE		
		APPROVED BY	DATE		
		SCALE 3:16		SHEET 2 OF 4	
TITLE		Portcullis, Upper Assembly			
PROJECT		MODEL NAME		ISSUE	
		GE-16157			

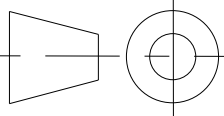



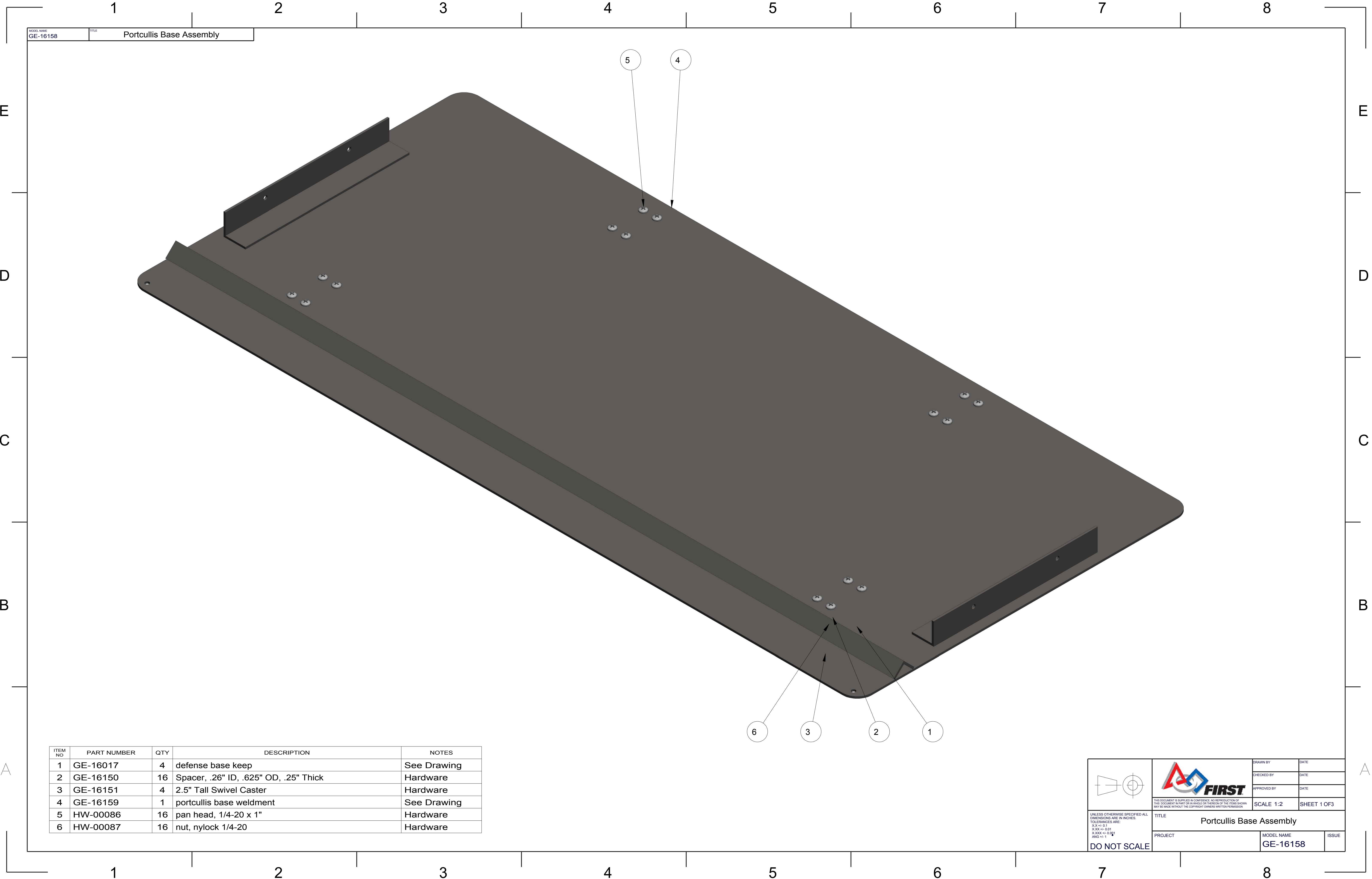
MODEL NAME	TITLE
GE-16157	Portcullis, Upper Assembly

 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X < .001 XX < .01 XXX < 0.001 ANG < 1</small> DO NOT SCALE	 <small>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREOF BY THE USER SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION</small>		DRAWN BY	DATE	
			CHECKED BY	DATE	
			APPROVED BY	DATE	
			SCALE 5:32		SHEET 3 OF 4
TITLE Portcullis, Upper Assembly					
PROJECT			MODEL NAME GE-16157	ISSUE	

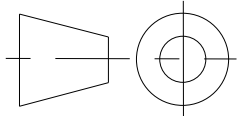


NTOE: Use 1/4"-20 Hardware to
secure the Portcullis Upper
Assembly to the Portcullis Base
- 4 Places.

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		CHECKED BY	DATE
		APPROVED BY	DATE
		TITLE Portcullis, Upper Assembly	
PROJECT		MODEL NAME GE-16157	ISSUE




ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16017	4	defense base keep	See Drawing
2	GE-16150	16	Spacer, .26" ID, .625" OD, .25" Thick	Hardware
3	GE-16151	4	2.5" Tall Swivel Caster	Hardware
4	GE-16159	1	portcullis base weldment	See Drawing
5	HW-00086	16	pan head, 1/4-20 x 1"	Hardware
6	HW-00087	16	nut, nylock 1/4-20	Hardware



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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

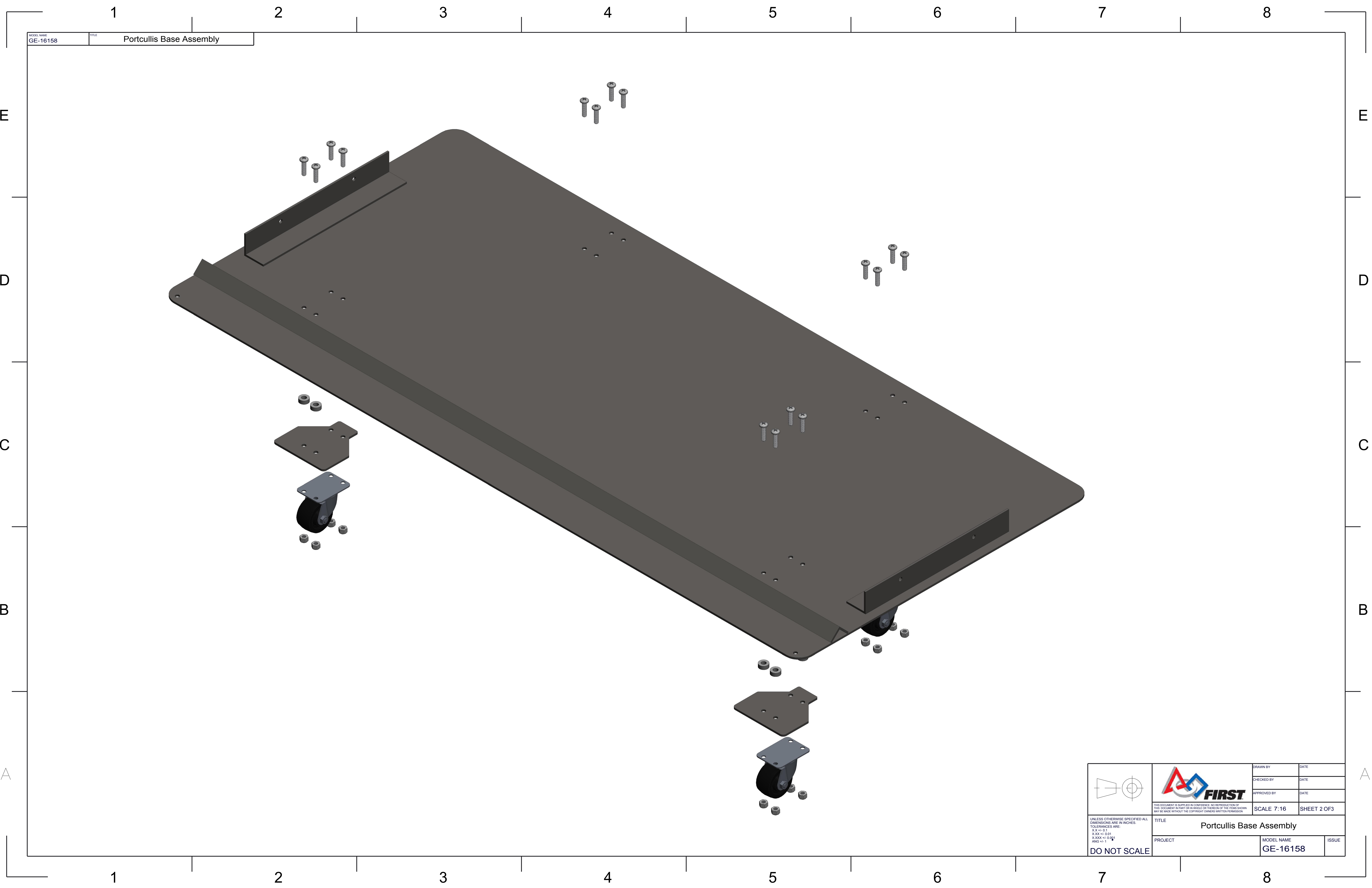


TITLE
Portcullis Base Assembly

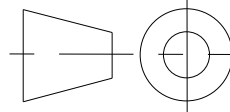

PROJECT

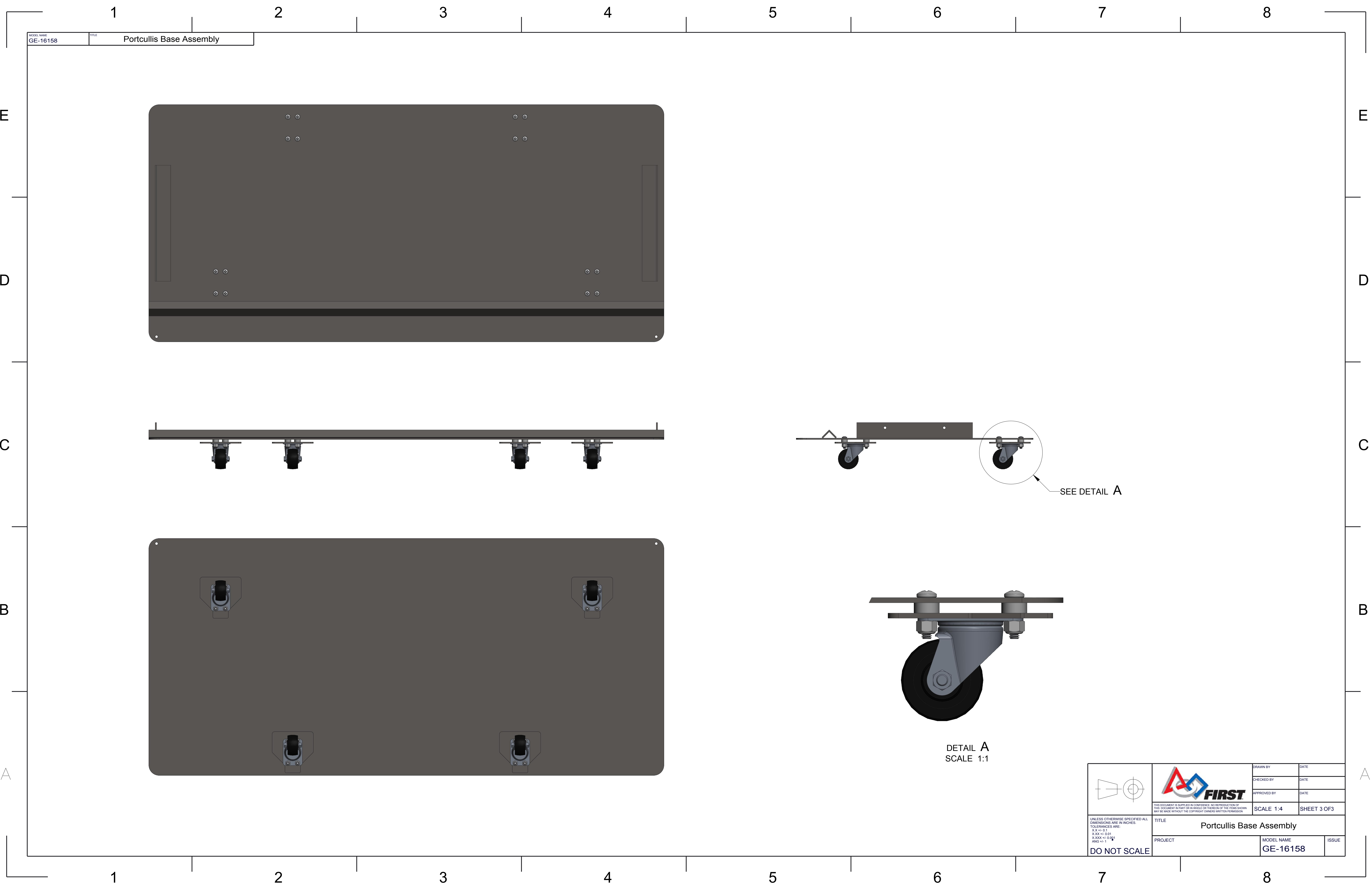
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CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:2	
SHEET 1 OF 3	

MODEL NAME	ISSUE
GE-16158	





MODEL NAME	TITLE
GE-16158	Portcullis Base Assembly

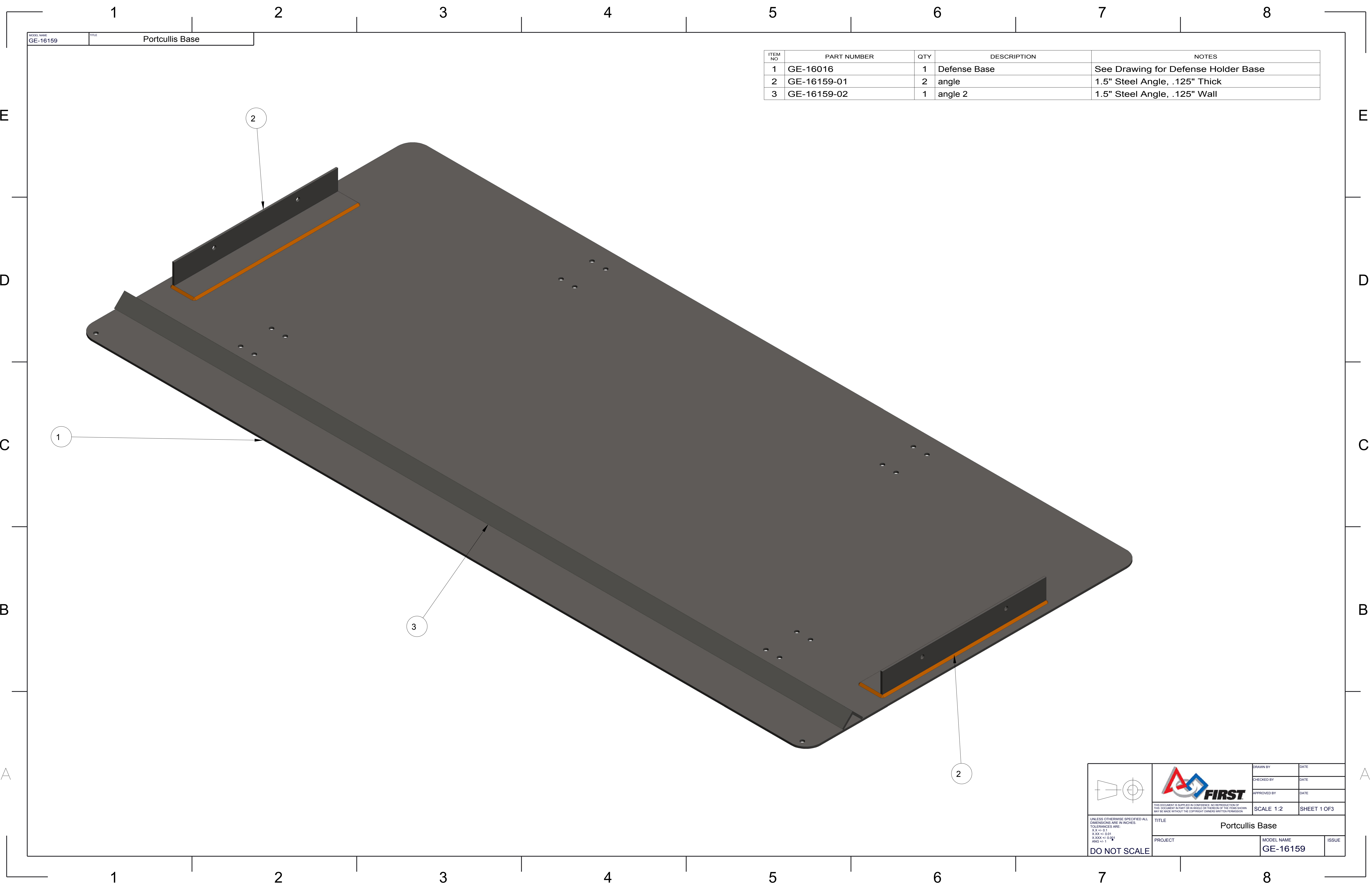
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		CHECKED BY	DATE		
		APPROVED BY	DATE		
		SCALE 7:16		SHEET 2 OF 3	
TITLE Portcullis Base Assembly					
PROJECT			MODEL NAME GE-16158	ISSUE	



MODEL NAME
GE-16158

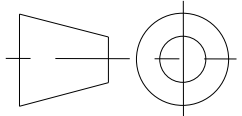
TITLE
Portcullis Base Assembly

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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:4	SHEET 3 OF 3
TITLE Portcullis Base Assembly			
PROJECT		MODEL NAME GE-16158	ISSUE




MODEL NAME	TITLE
GE-16159	Portcullis Base

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16016	1	Defense Base	See Drawing for Defense Holder Base
2	GE-16159-01	2	angle	1.5" Steel Angle, .125" Thick
3	GE-16159-02	1	angle 2	1.5" Steel Angle, .125" Wall



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X.X +/- .01
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE



TITLE
Portcullis Base

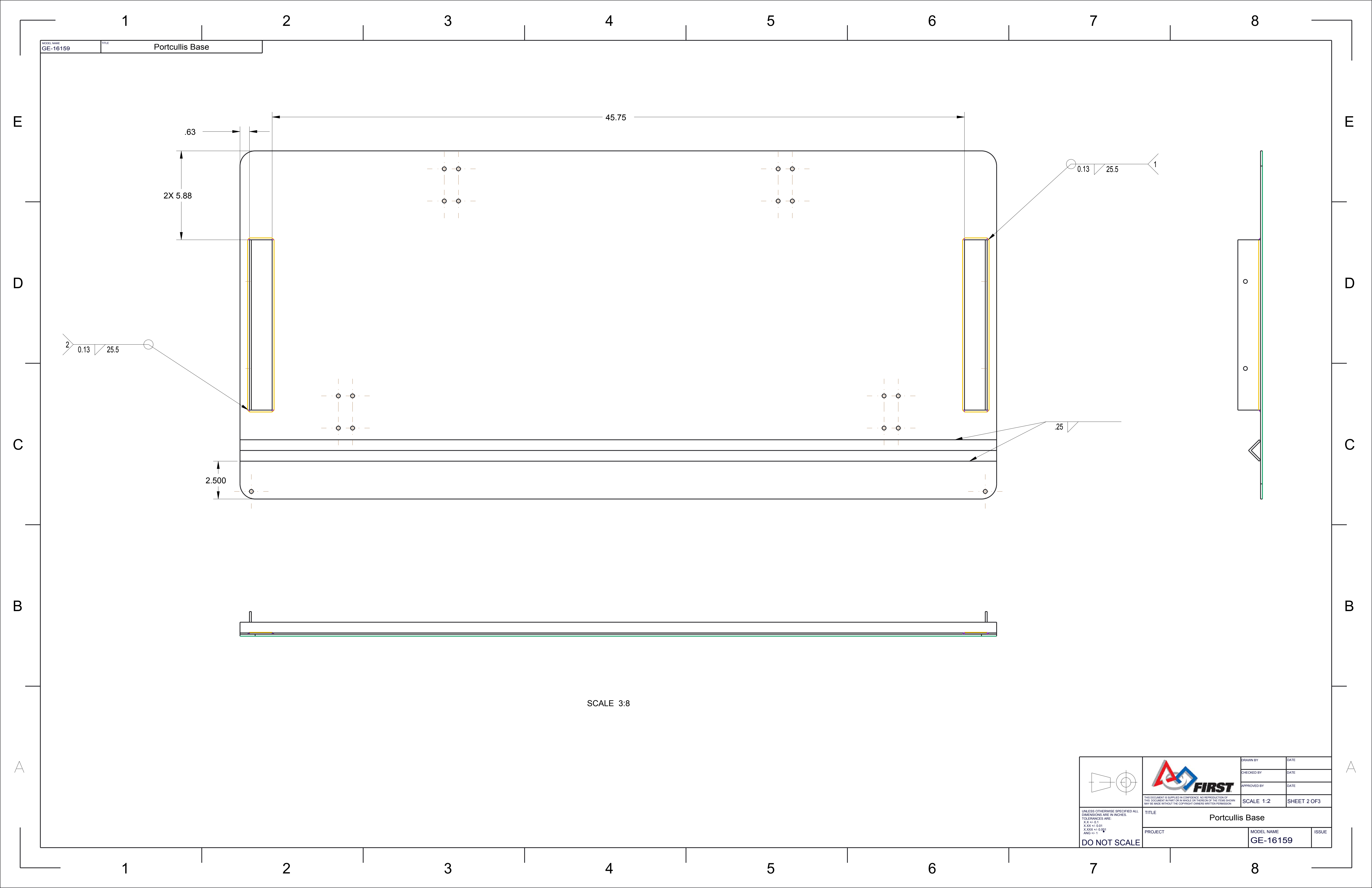
PROJECT

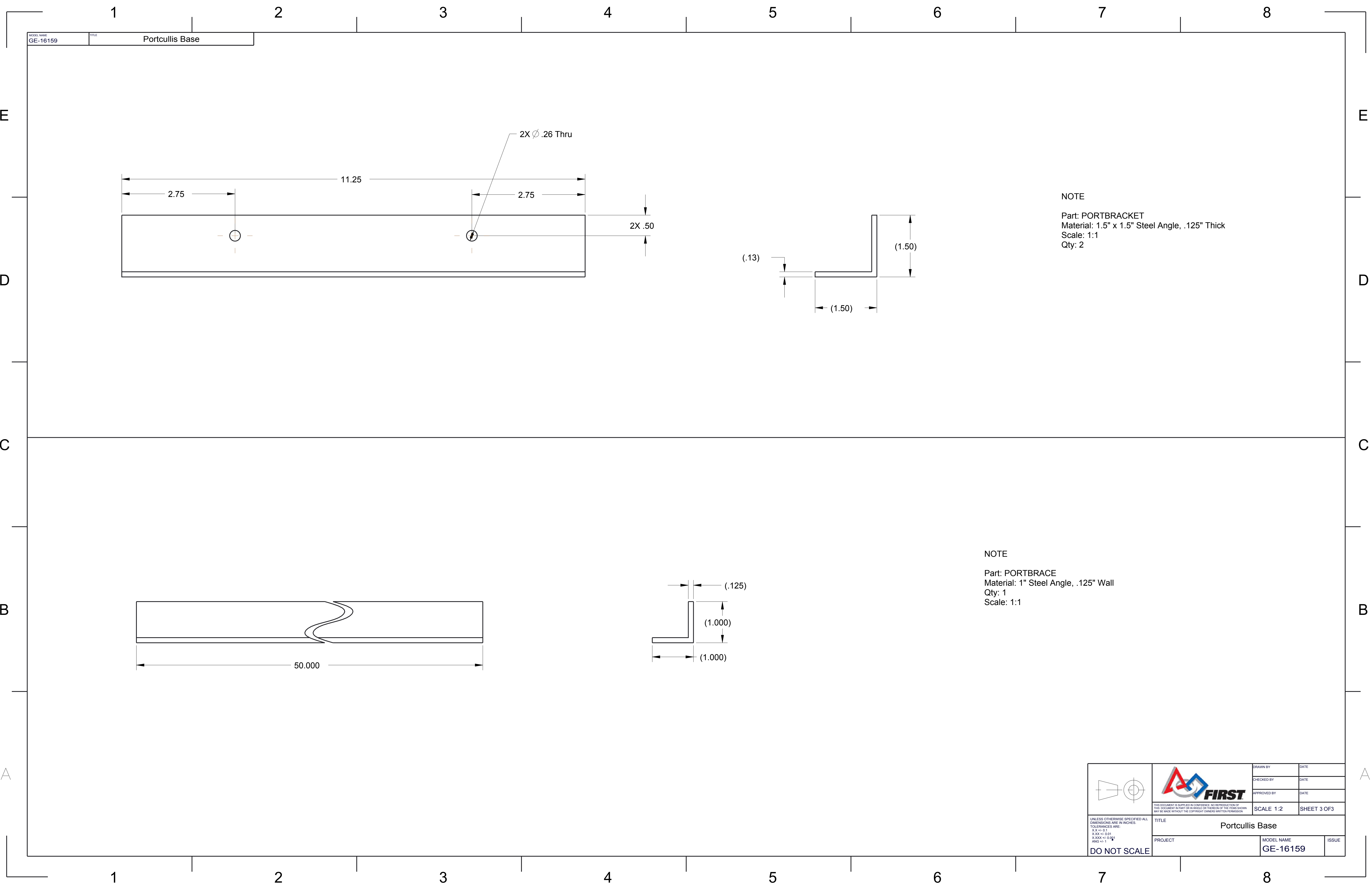
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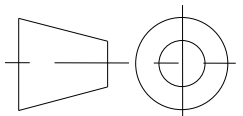

SCALE 1:2

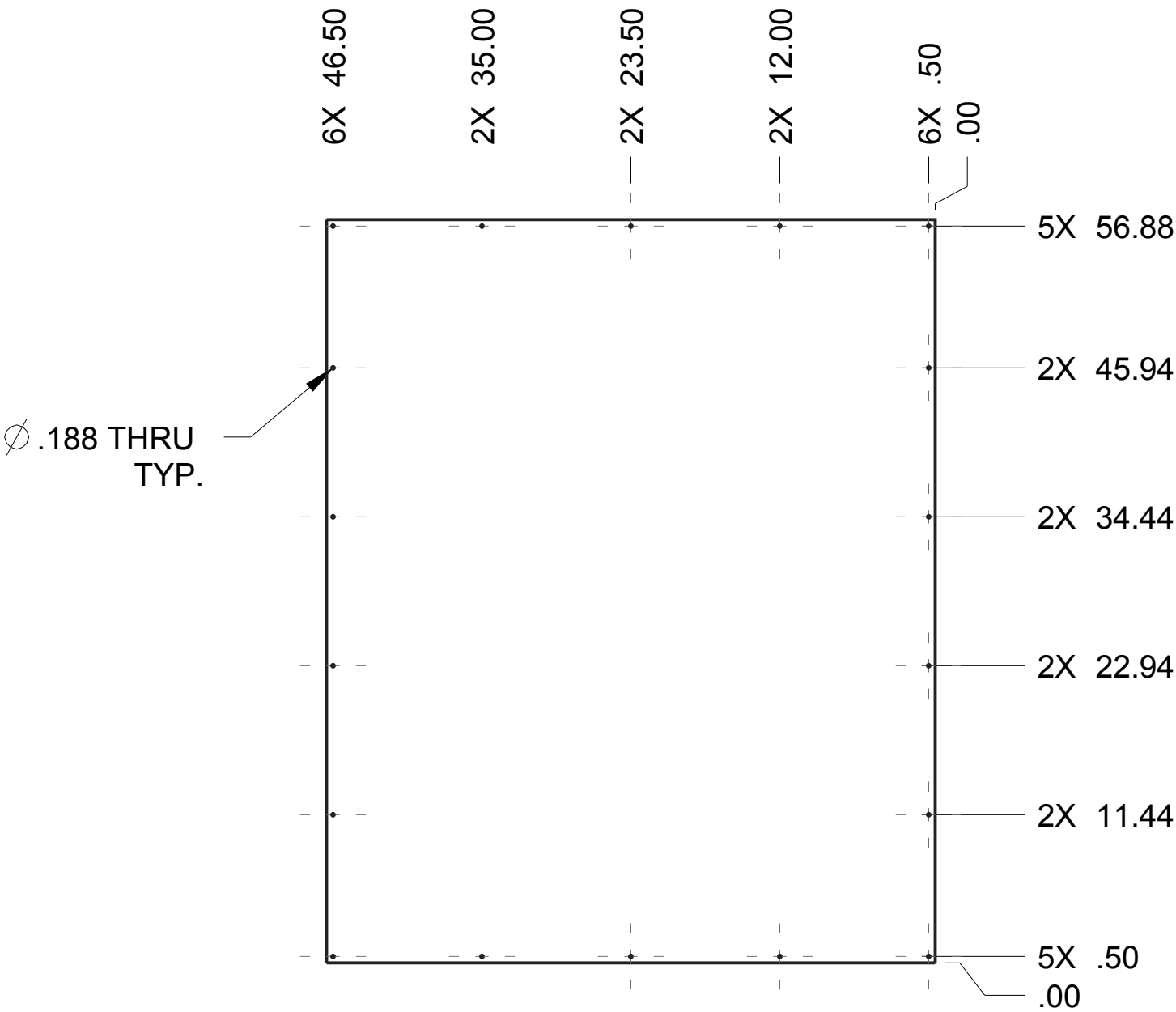
SHEET 1 OF 3

MODEL NAME	ISSUE
GE-16159	






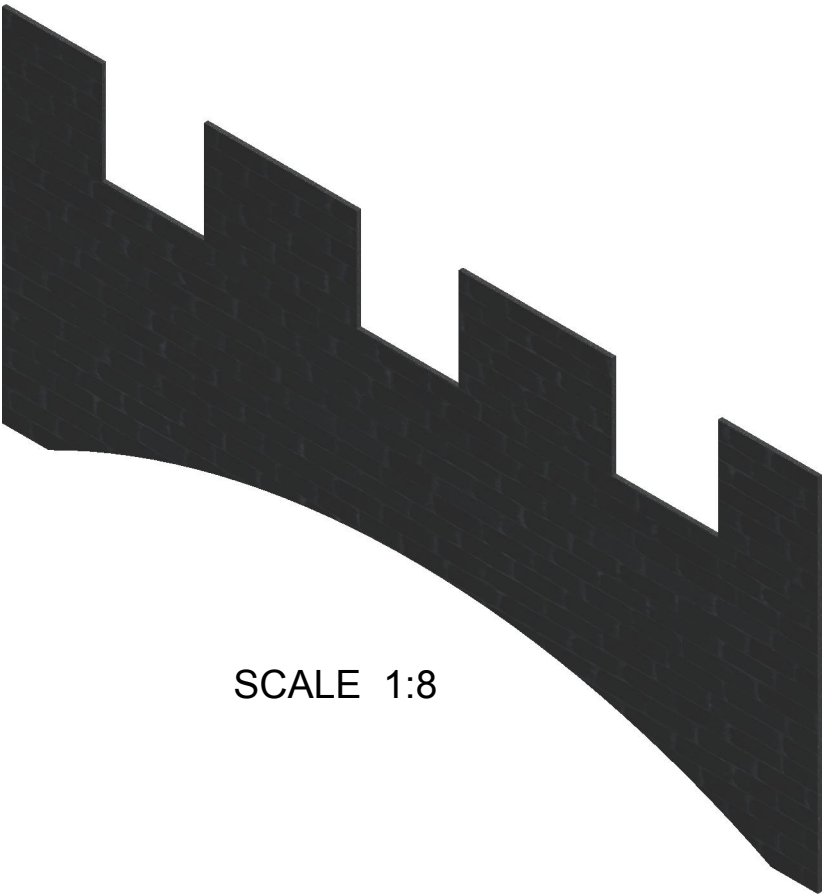
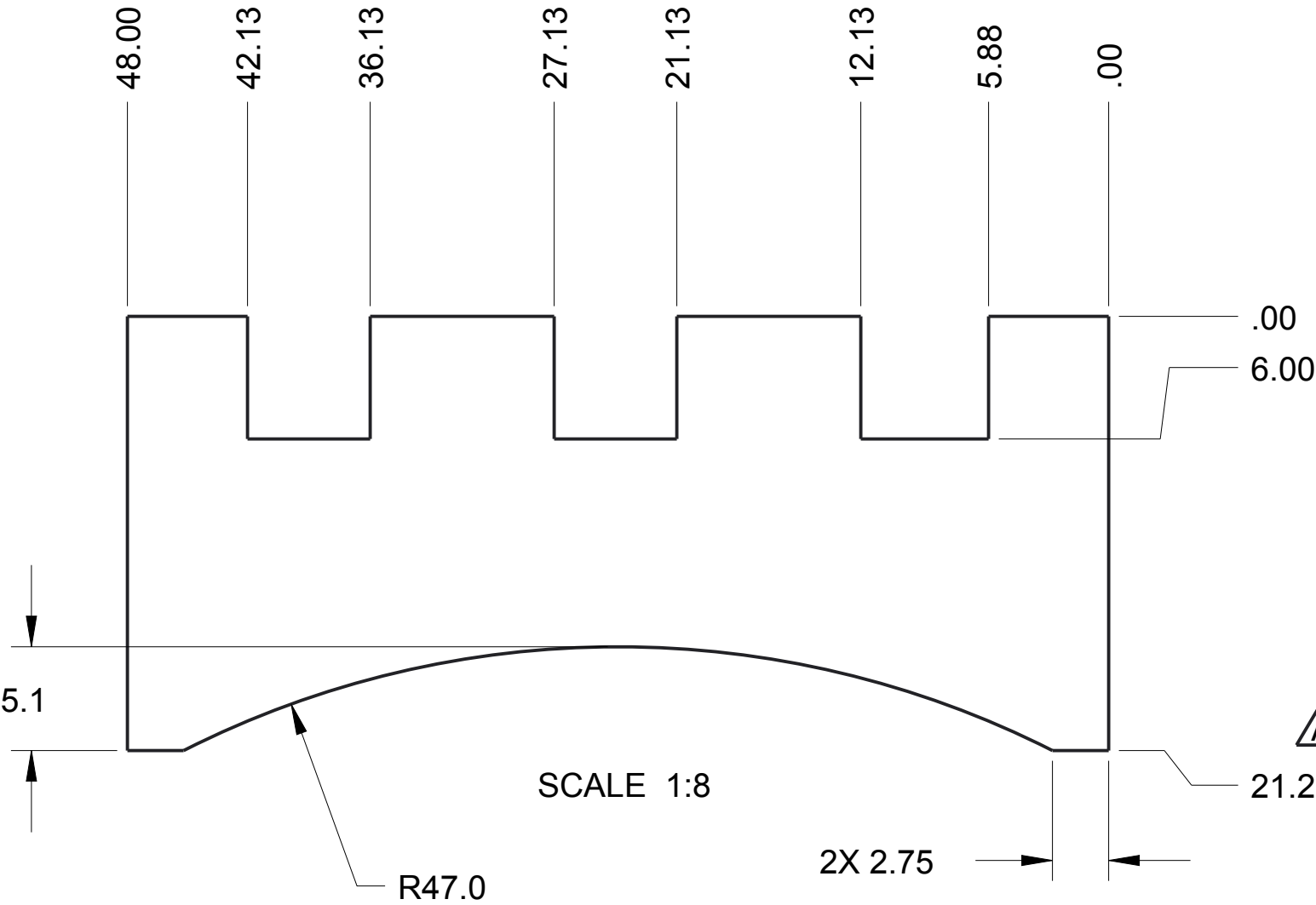
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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:2	SHEET 3 OF 3
TITLE Portcullis Base			
PROJECT		MODEL NAME GE-16159	ISSUE



Notes:
1. Material: 1/8" Clear Polycarbonate


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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:12	SHEET 2 OF2
TITLE <div>P DOOR PLASTIC</div>			
PROJECT		MODEL NAME GE-16167	ISSUE

Rev	Zone	Description	Date	Initials
A	B-3	21.25 was 14.00	11/24/15	DAF



Notes:

1. Material: 1/4" clear, polycarbonate.
2. Print on one side to look like the stone of a castle.



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DATE

DATE

DATE

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SCALE 1:8

SHEET 1 OF1

TITLE

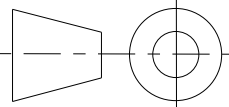
Portcullis Facade

PROJECT

MODEL NAME

GE-16169

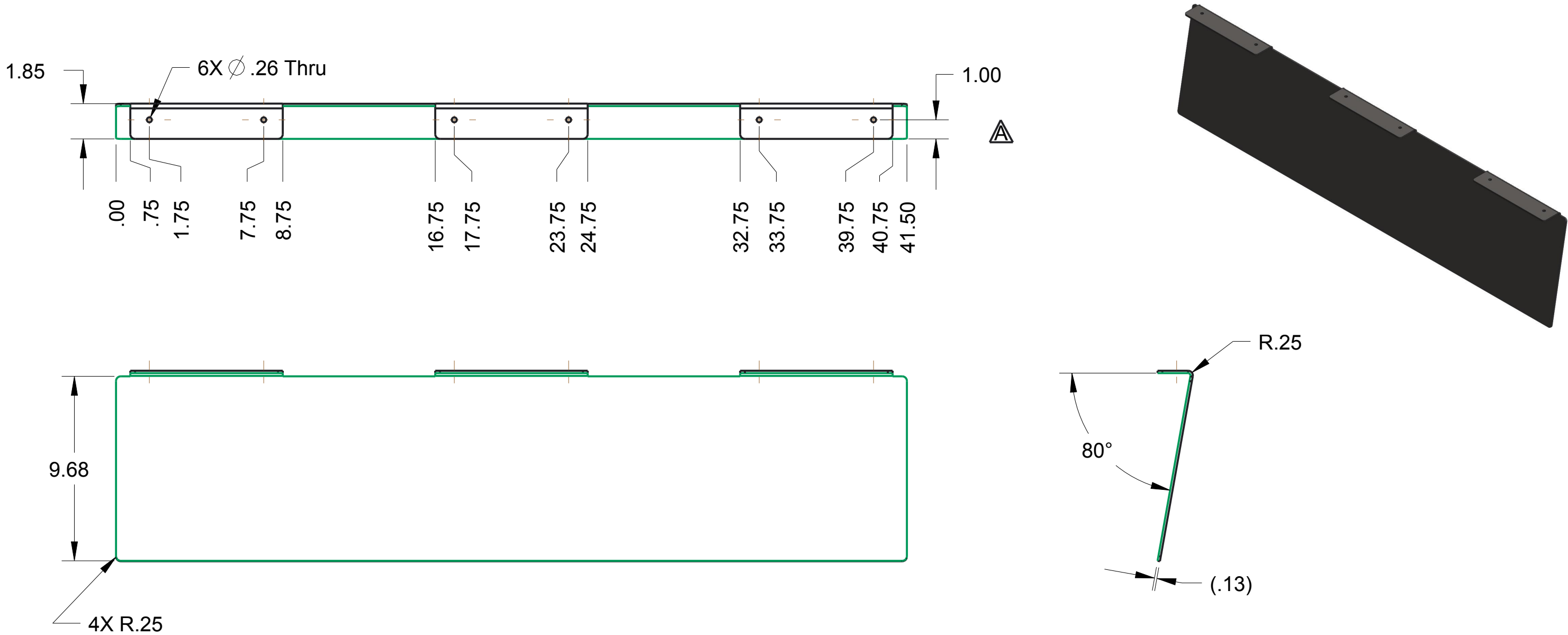
ISSUE




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X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	C3	Hole Location	NJS	1/19/16





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APPROVED BY

DATE

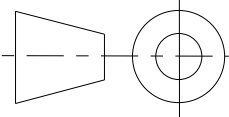
DATE

DATE

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SCALE 3:16

SHEET 1 OF 1



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X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

TITLE

Drawbridge Ramp

PROJECT

MODEL NAME

GE-16170

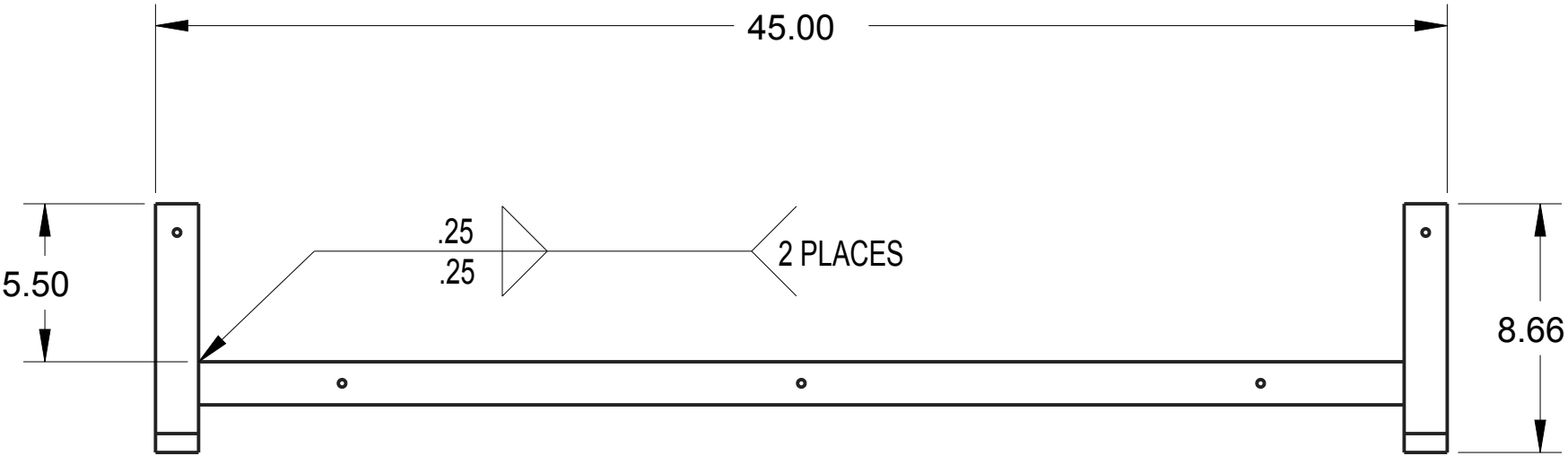
ISSUE

NOTE


Material: Steel Sheet, .125"

Scale: 3:16

Remove all burrs and sharp edges



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16171-01	1	HORIZONTAL	
2	GE-16171-02	2	VERTICAL	
3	GE-16171-03	2	PIVOT	



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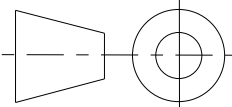
SCALE 1:6

DATE

DATE

DATE

SHEET 1 OF2



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- .1

DO NOT SCALE

TITLE

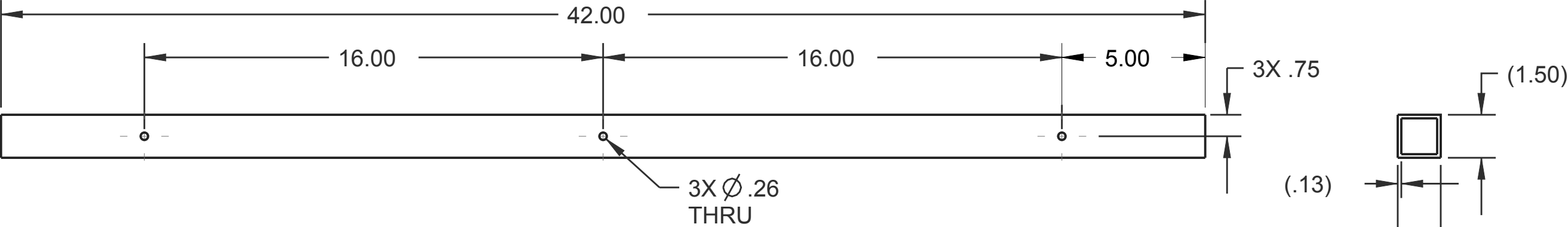
PROJECT

DOOR FRAME, DB

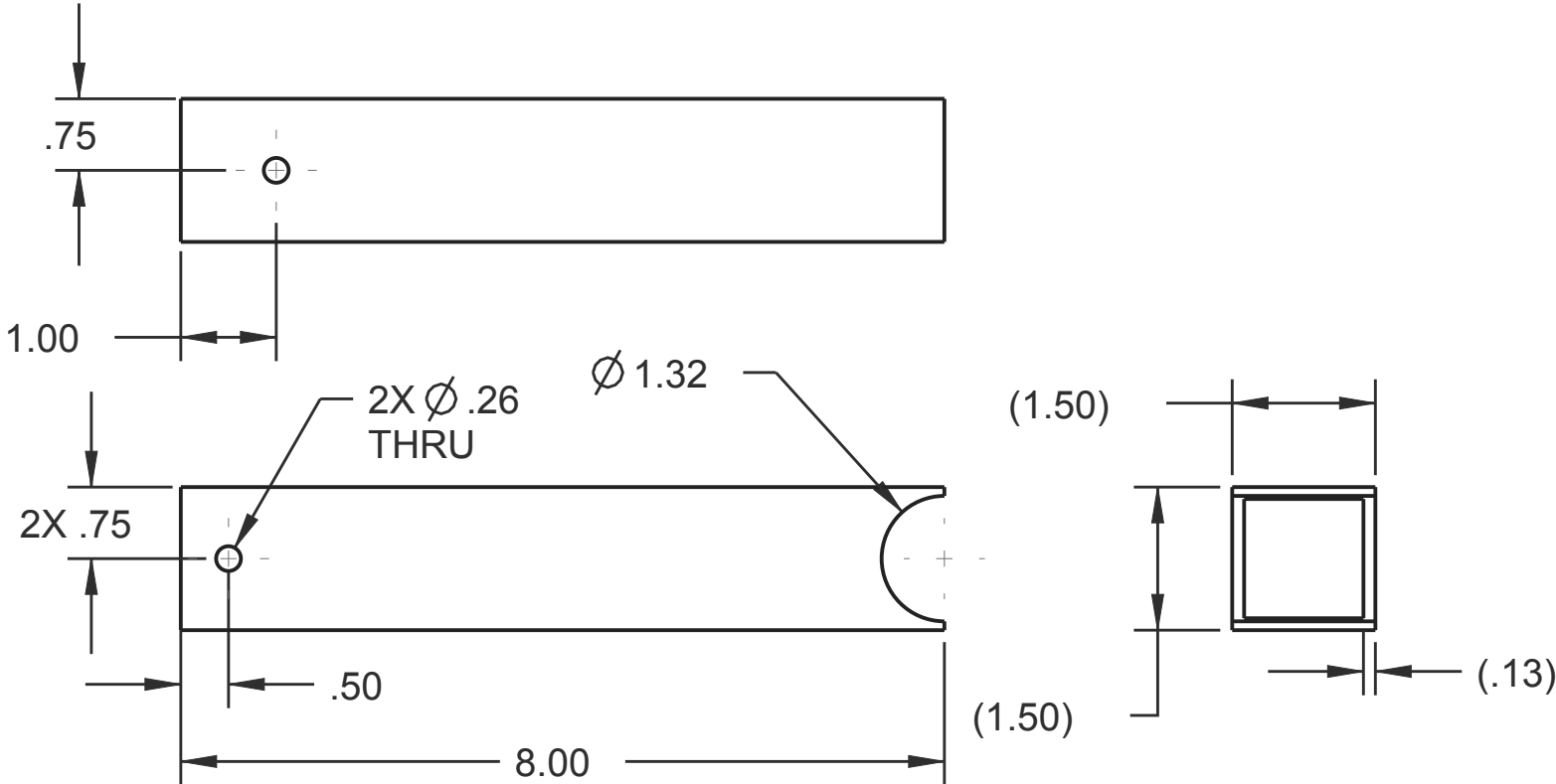
MODEL NAME

GE-16171

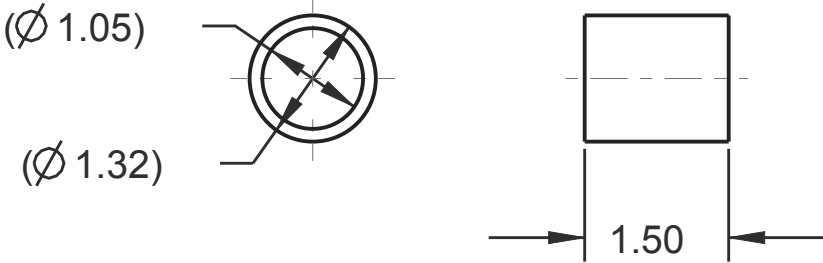
ISSUE




PART: GE-16171-01
MATERIAL: 1.5" X .125" SQUARE TUBING, 6063 ALUMINUM
QTY: 1



PART: GE-16171-02
MATERIAL: 1.5" X .125" SQUARE TUBING, 6063 ALUMINUM
QTY: 2



PART: GE-16171-03
MATERIAL: 1" SCHEDULE 40 PIPE, 6061 ALUMINUM
QTY: 2

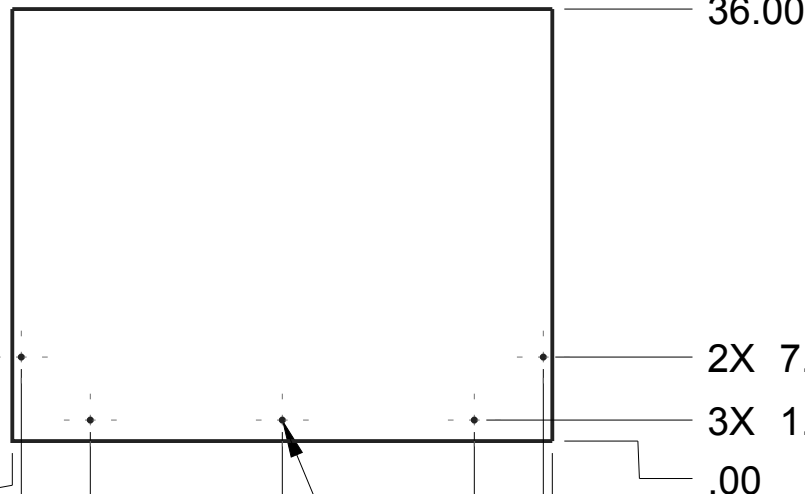
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- .1	TITLE DOOR FRAME, DB			
	PROJECT	MODEL NAME GE-16171		ISSUE
DO NOT SCALE				

MODEL NAME
GE-16172

TITLE

DOOR PLASTIC, DRAWBRIDGE

REV	ZONE	DESCRIPTION	INITIAL	DATE
A	A-2	.125 WAS .25	DAF	12/16/15

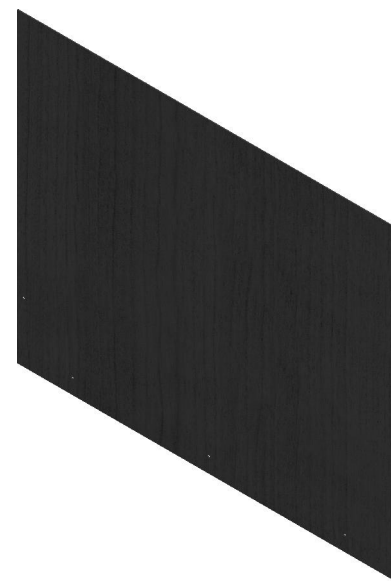


2X 7.00

3X 1.75

.00

5X \varnothing .26 Thru




Note:

Material: Clear Polycarbonate, .125 Thick

Scale 1:16

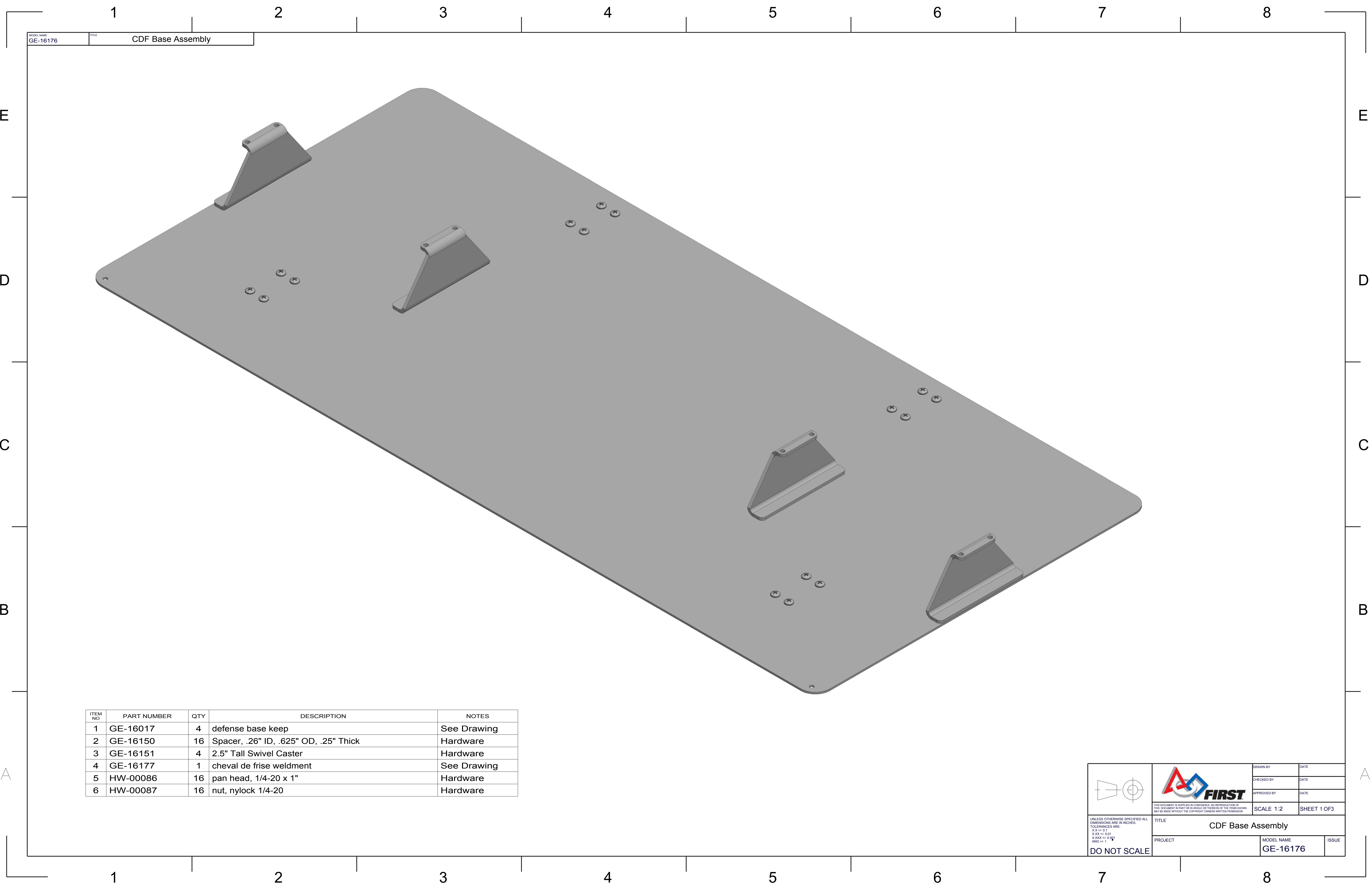
Qty: 1

Print to look like wood


	DRAWN BY	DATE
	CHECKED BY	DATE
	APPROVED BY	DATE
	SCALE 1:16	SHEET 1 OF 1
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TITLE DOOR PLASTIC, DRAWBRIDGE		
PROJECT		MODEL NAME GE-16172
ISSUE		

UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16017	4	defense base keep	See Drawing
2	GE-16150	16	Spacer, .26" ID, .625" OD, .25" Thick	Hardware
3	GE-16151	4	2.5" Tall Swivel Caster	Hardware
4	GE-16177	1	cheval de frise weldment	See Drawing
5	HW-00086	16	pan head, 1/4-20 x 1"	Hardware
6	HW-00087	16	nut, nylock 1/4-20	Hardware



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.X +/- .01
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

TITLE
CDF Base Assembly

PROJECT

DRAWN BY
CHECKED BY
APPROVED BY

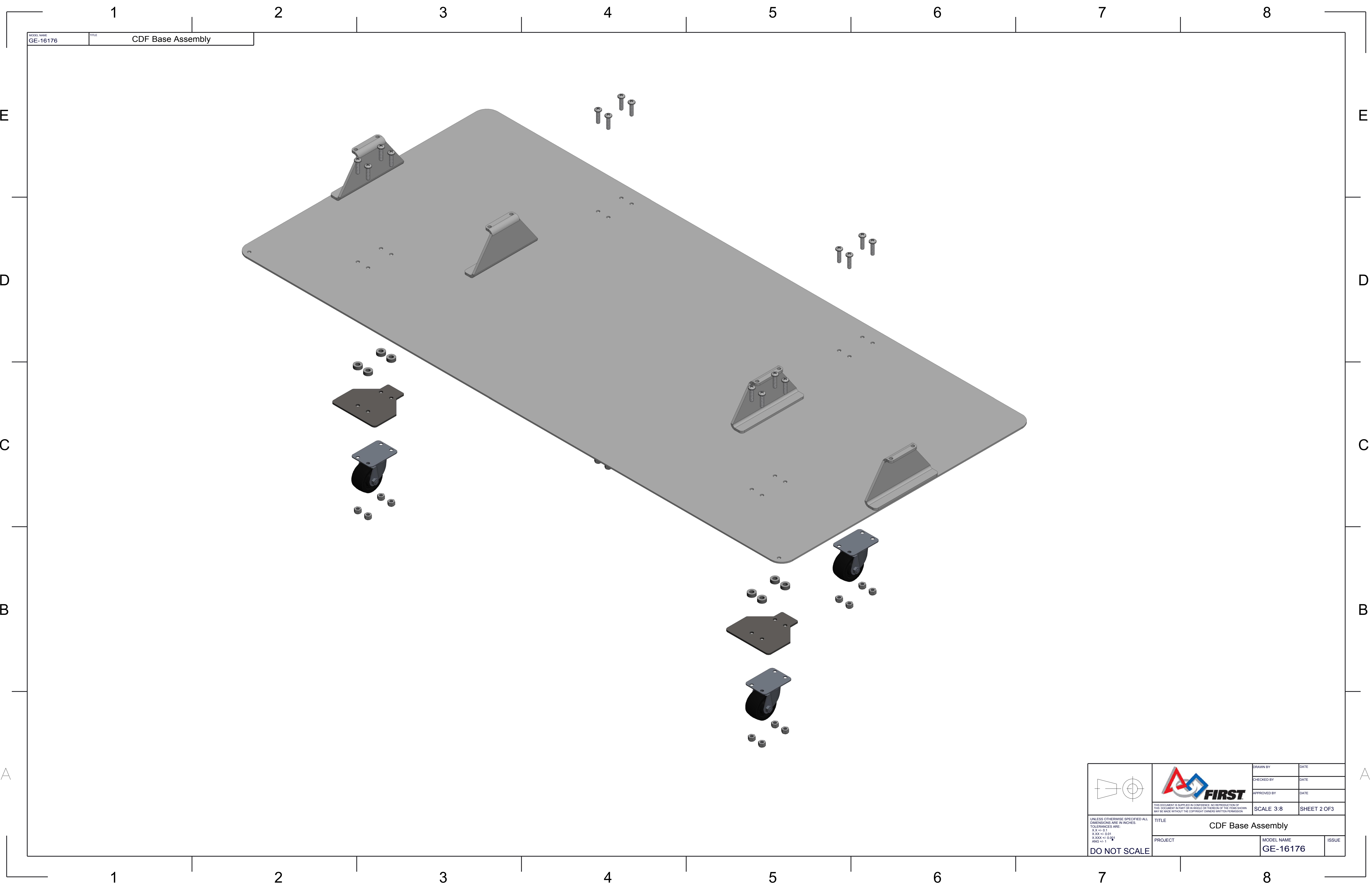
DATE
DATE
DATE

SCALE
1:2

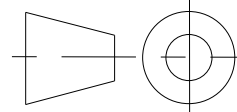

SHEET
1 OF 3

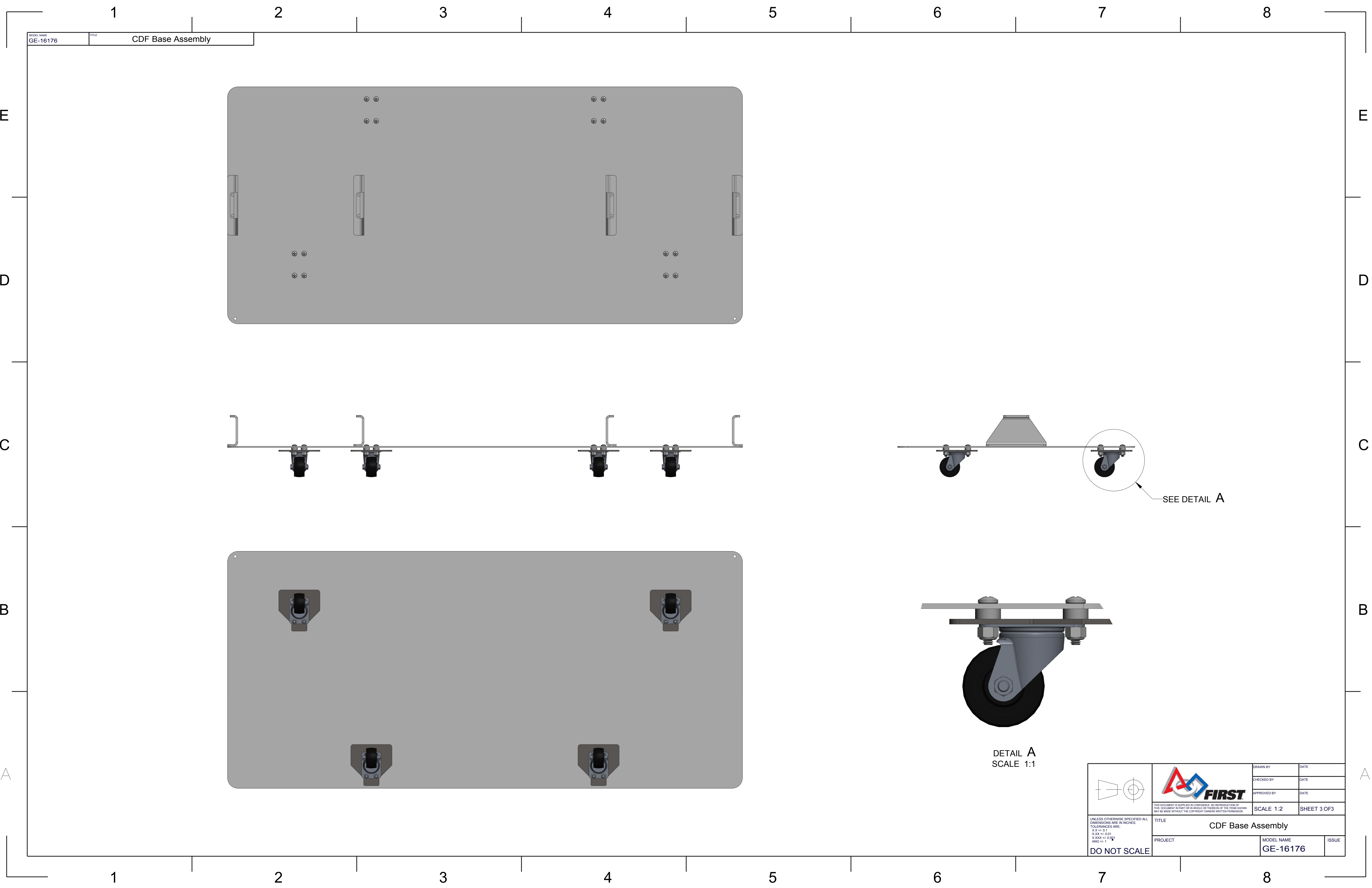
MODEL NAME
GE-16176

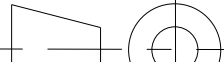

ISSUE



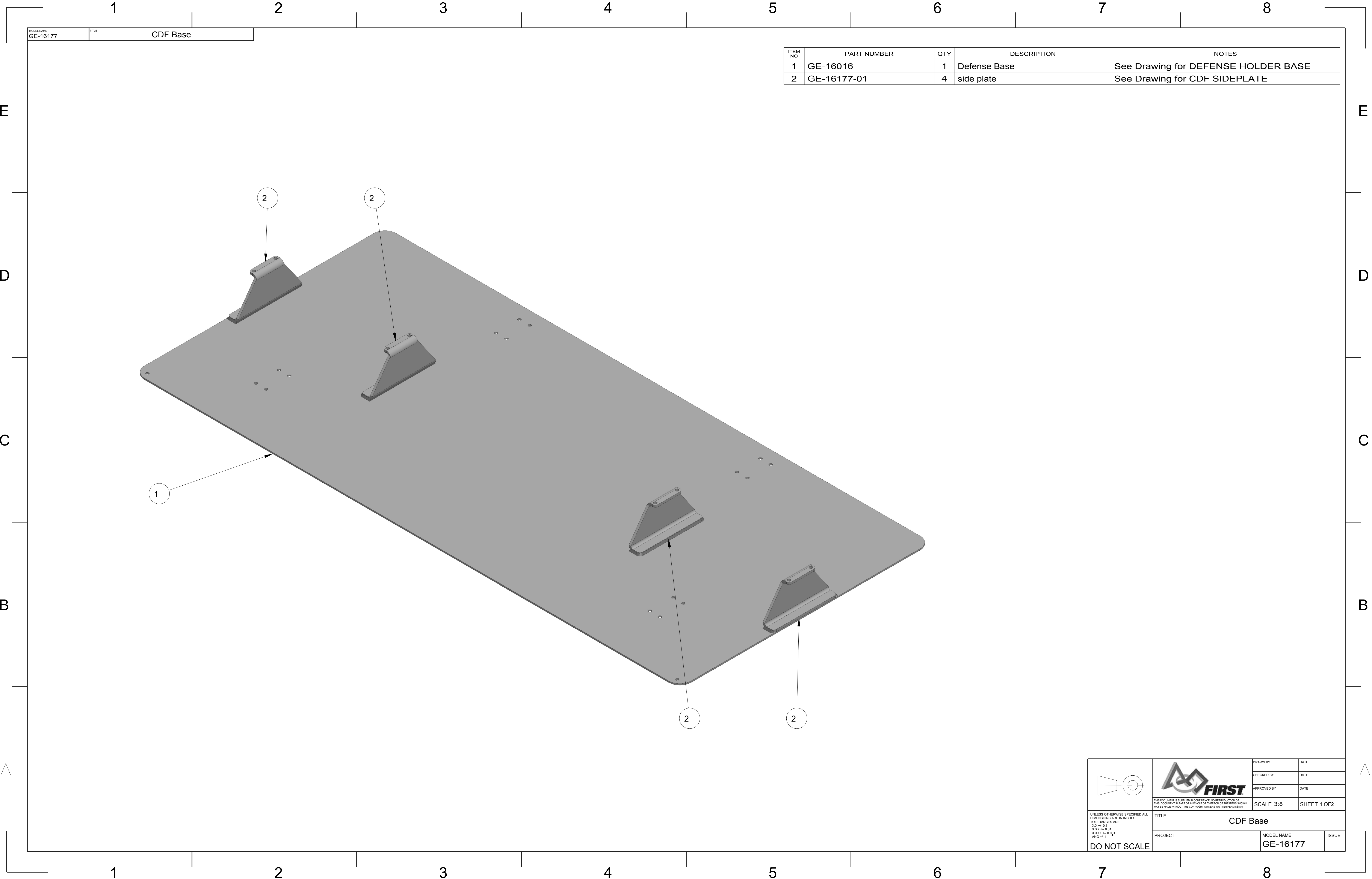
MODEL NAME	TITLE
GE-16176	CDF Base Assembly

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		SCALE 3:8		SHEET 2 OF 3
TITLE CDF Base Assembly				
PROJECT		MODEL NAME GE-16176	ISSUE	

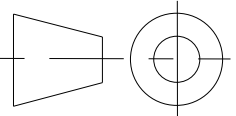


 <div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.XX +/- 0.1 X.XXX +/- 0.001 ANG +/- 1</div> <div>DO NOT SCALE</div>	 <div>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION</div>	DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:2	
TITLE CDF Base Assembly			
PROJECT		MODEL NAME GE-16176	ISSUE

DETAIL A
SCALE 1:1




ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16016	1	Defense Base	See Drawing for DEFENSE HOLDER BASE
2	GE-16177-01	4	side plate	See Drawing for CDF SIDEPLATE



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.XX +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE



TITLE
CDF Base

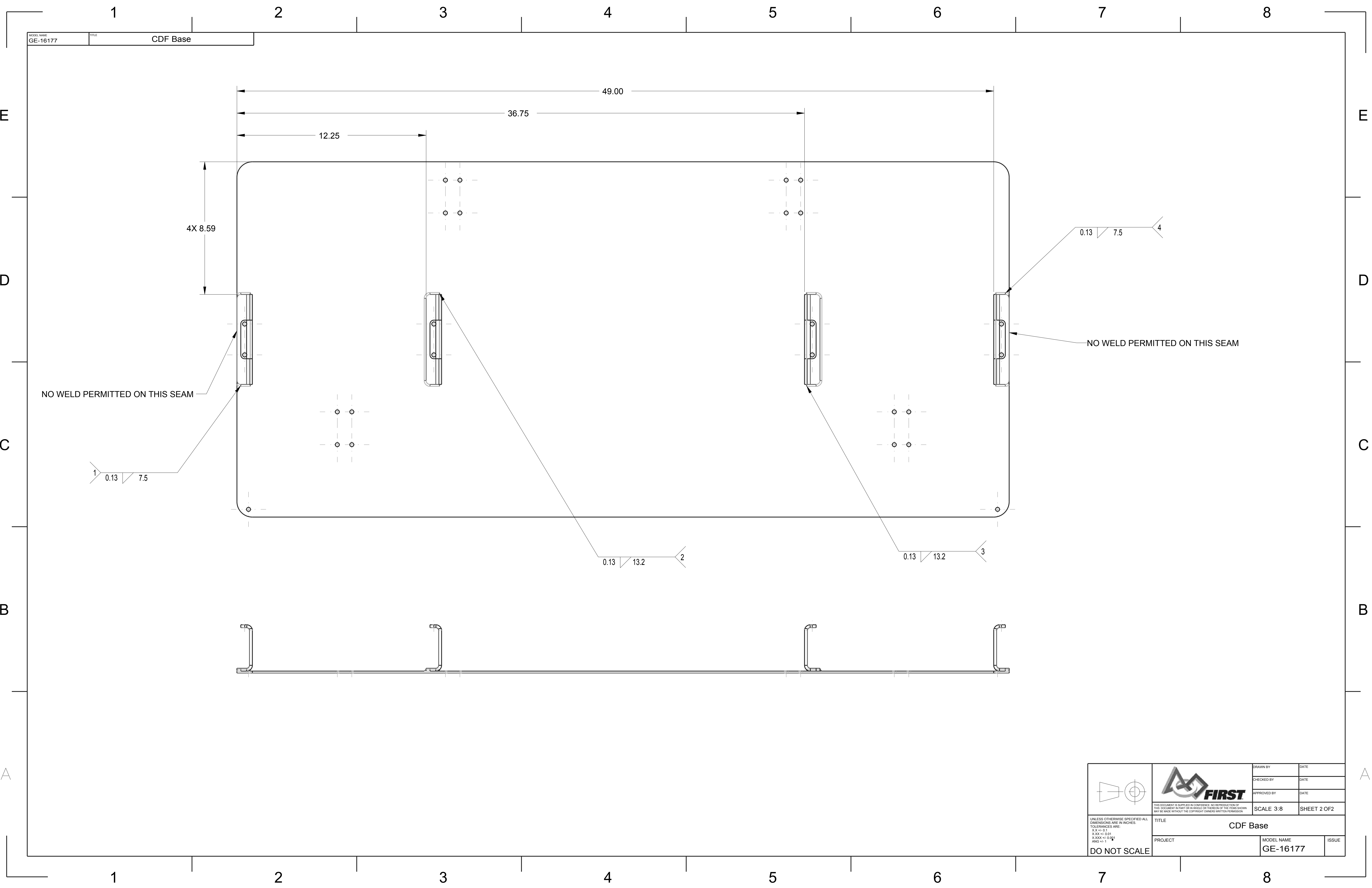
PROJECT

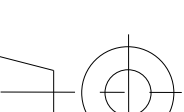

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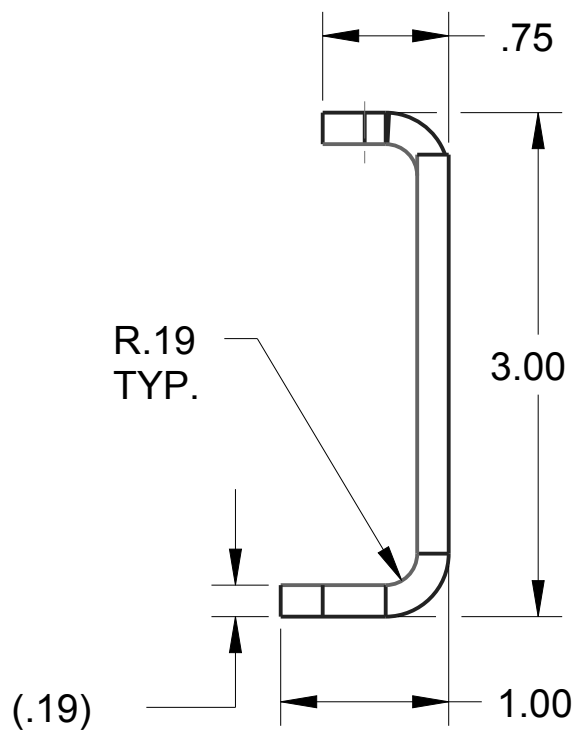
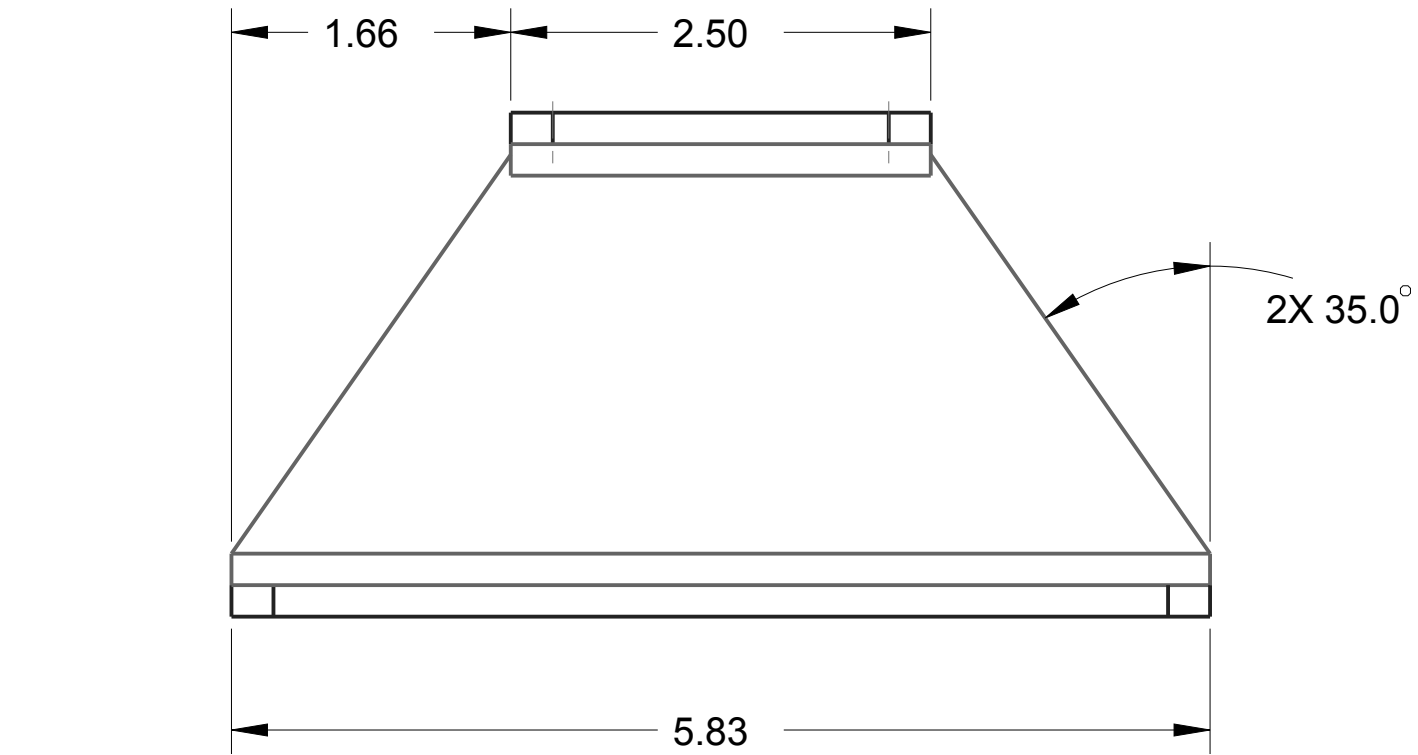
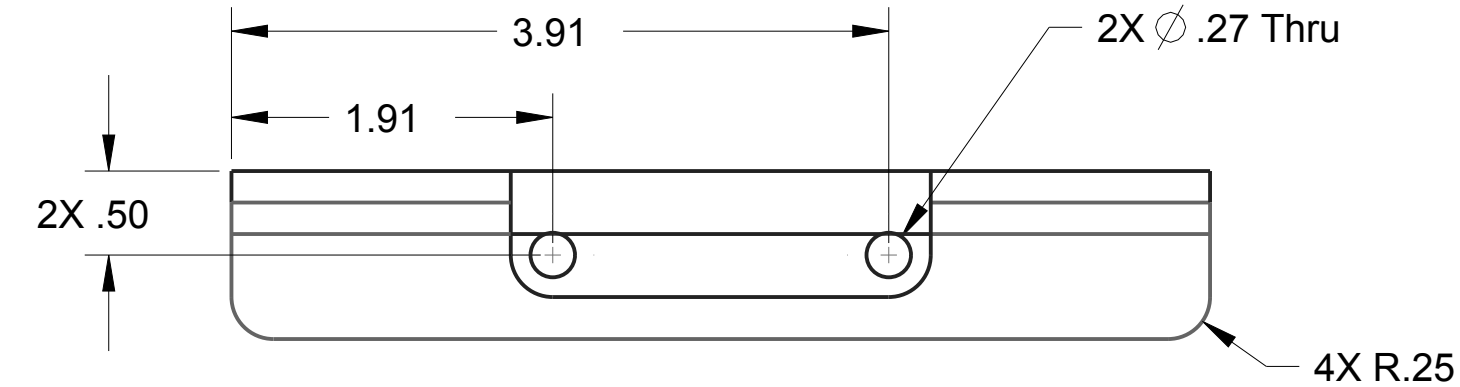
SCALE 3:8

SHEET 1 OF 2

MODEL NAME	ISSUE
GE-16177	



	 FIRST	DRAWN BY	DATE
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		APPROVED BY	DATE
		SCALE 3:8	SHEET 2 OF 2
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TITLE CDF Base			
PROJECT		MODEL NAME GE-16177	ISSUE
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: XXX +/- 0.1 X.XXX +/- 0.01 X.XXXX +/- 0.001 ANG +/- 1			
DO NOT SCALE			

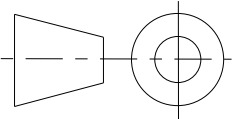



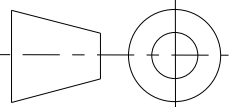
NOTE

Material: Steel Sheet, .1875"

Scale: 7:8

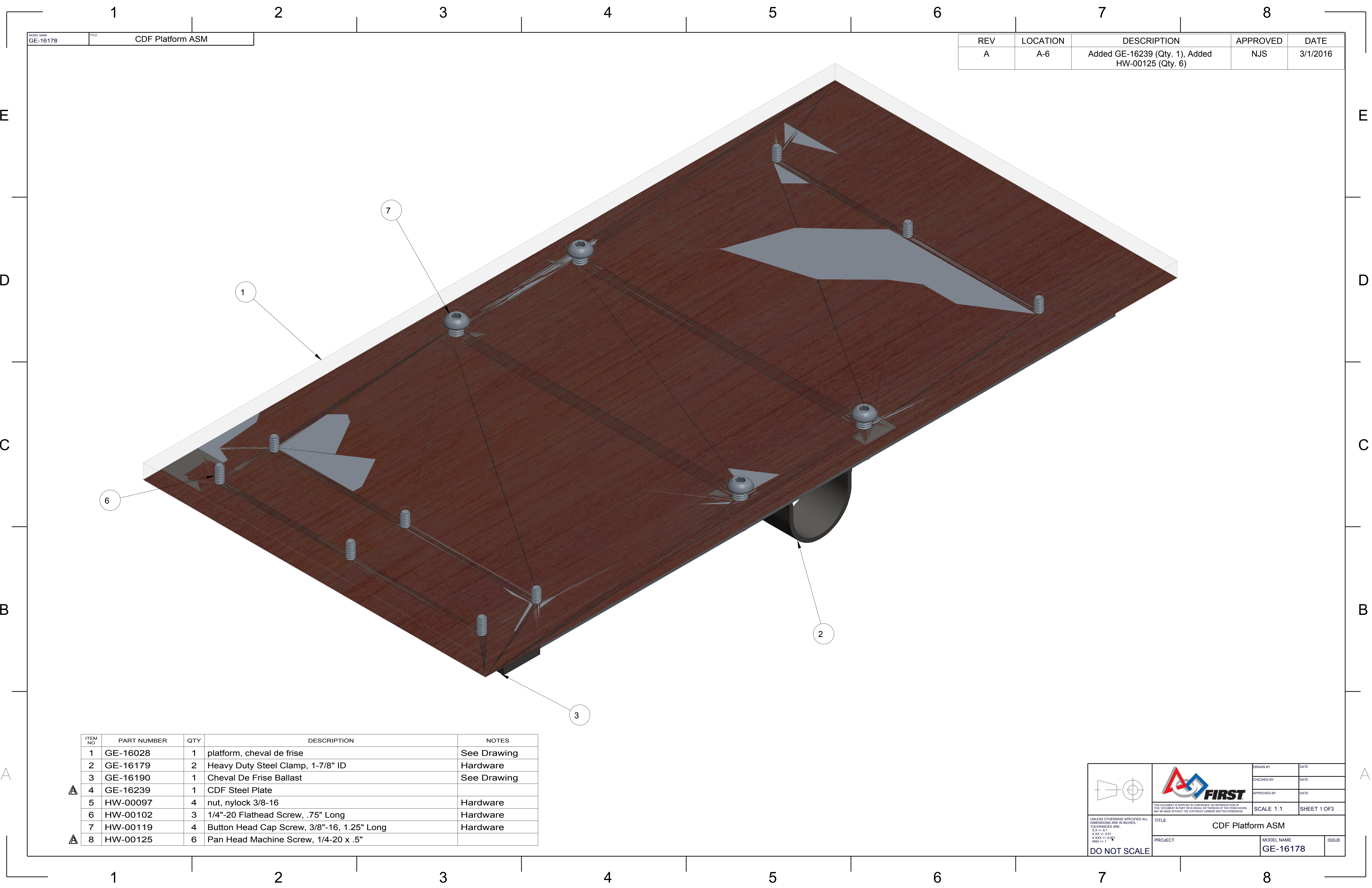
Remove all burrs and sharp edges

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°			
TITLE <div>Sideplate, CDF</div>			
PROJECT		MODEL NAME GE-16177-01	ISSUE
DO NOT SCALE			



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

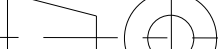

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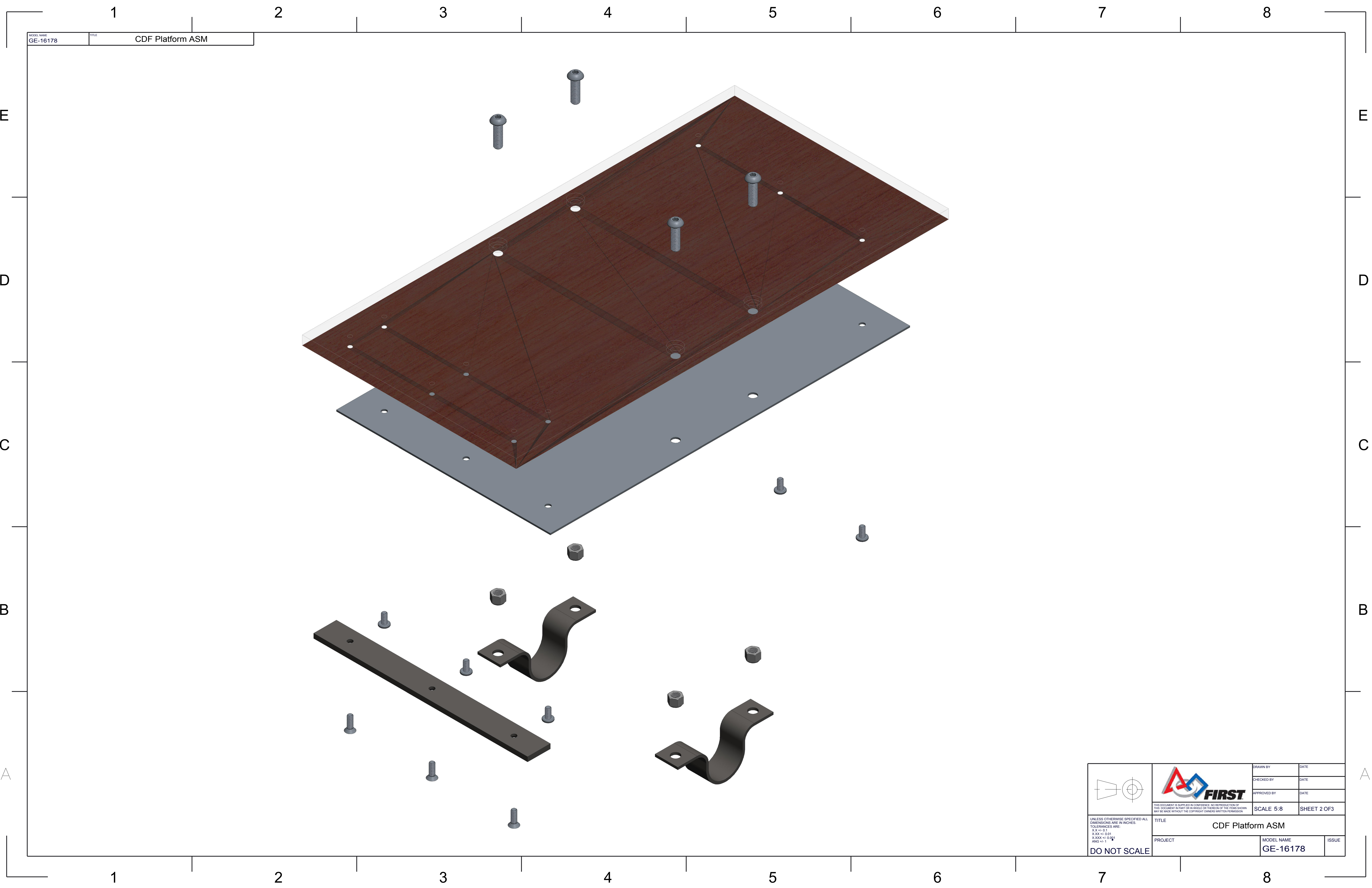


MODEL NAME	TITLE
GE-16178	CDF Platform ASM

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	A-6	Added GE-16239 (Qty. 1), Added HW-00125 (Qty. 6)	NJS	3/1/2016

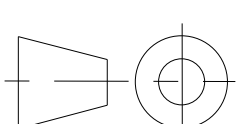

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16028	1	platform, cheval de frise	See Drawing
2	GE-16179	2	Heavy Duty Steel Clamp, 1-7/8" ID	Hardware
3	GE-16190	1	Cheval De Frise Ballast	See Drawing
⚠4	GE-16239	1	CDF Steel Plate	
5	HW-00097	4	nut, nylock 3/8-16	Hardware
6	HW-00102	3	1/4"-20 Flathead Screw, .75" Long	Hardware
7	HW-00119	4	Button Head Cap Screw, 3/8"-16, 1.25" Long	Hardware
⚠8	HW-00125	6	Pan Head Machine Screw, 1/4-20 x .5"	

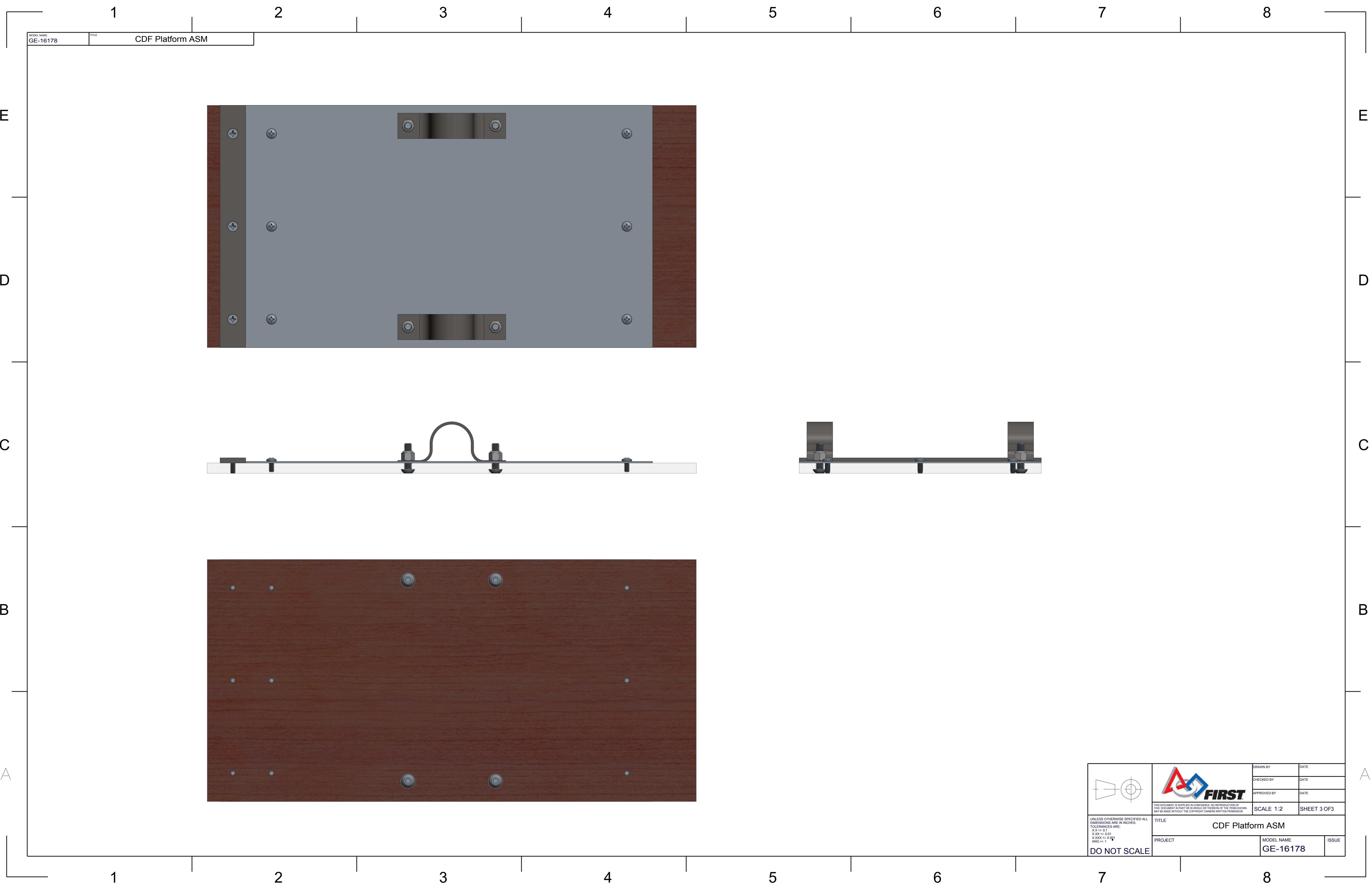
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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:1	SHEET 1 OF 3
TITLE		CDF Platform ASM	
PROJECT	MODEL NAME		ISSUE
	GE-16178		



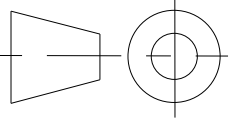

MODEL NAME
GE-16178

TITLE
CDF Platform ASM

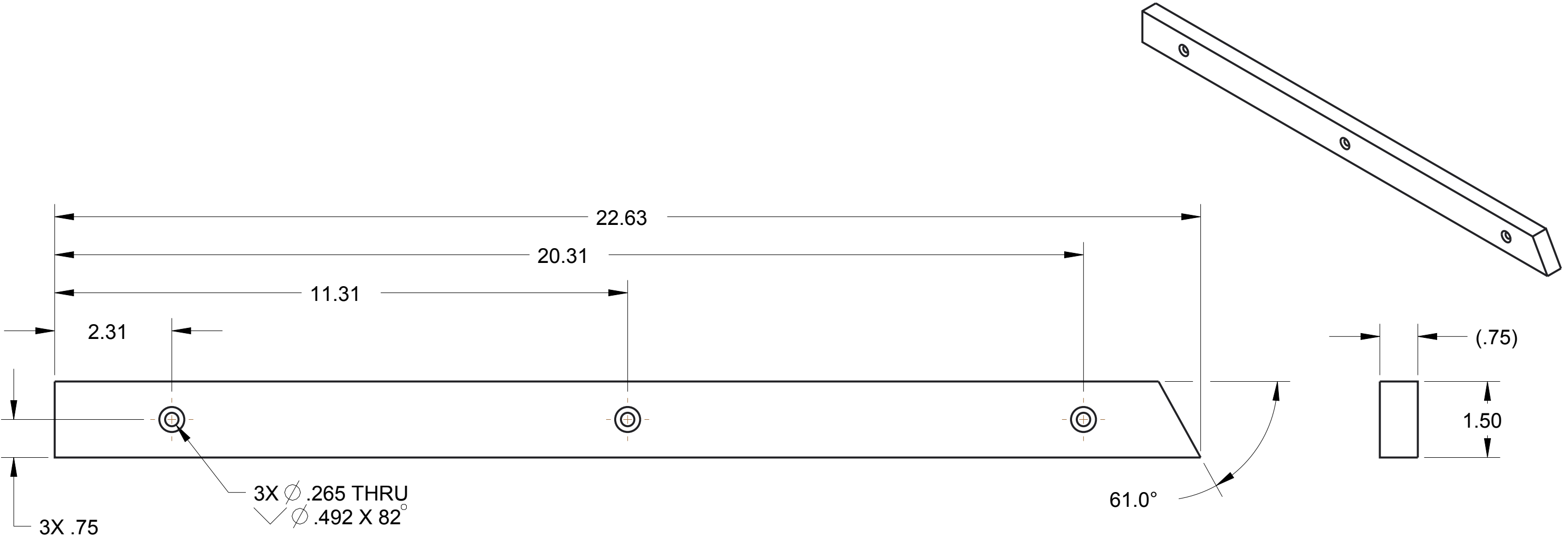
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		APPROVED BY	DATE
		SCALE 5:8	
TITLE CDF Platform ASM			
PROJECT		MODEL NAME GE-16178	ISSUE




MODEL NAME	TITLE
GE-16178	CDF Platform ASM

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		TITLE CDF Platform ASM	
PROJECT		MODEL NAME GE-16178	ISSUE

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	A-1	Material Update	NJS	3/1/2016



NOTES:
1. MATERIAL: 3/4" CLEAR POLYCARBONATE OR BLACK HDPE
2. REMOVE ALL BURRS AND SHARP EDGES



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SCALE 1:2

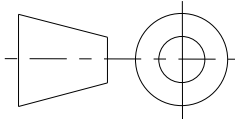
SHEET 1 OF 1

TITLE
CLEAT, HALF CORNER

PROJECT

MODEL NAME
GE-16181

ISSUE



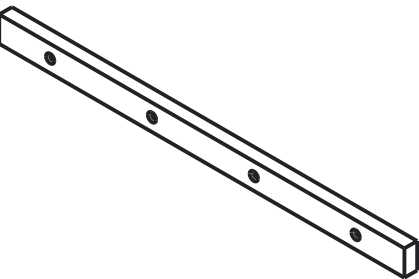
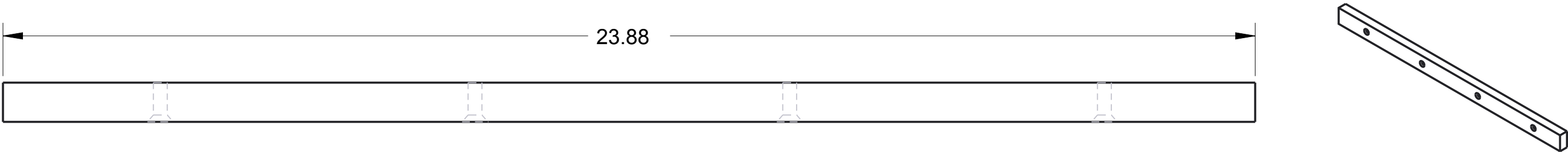
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

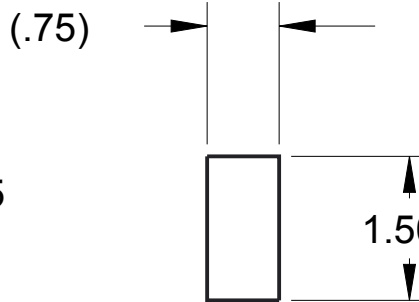
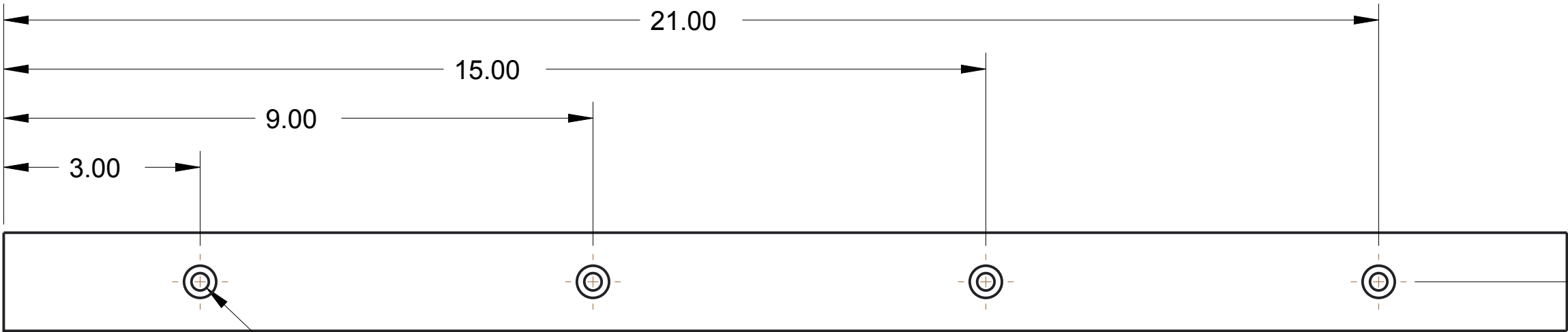
MODEL NAME
GE-16183

TITLE
CLEAT, MIDDLE RAMP

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	A-1	Material Update	NJS	3/1/2016



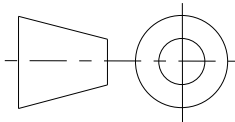
SCALE 1:8



4X \varnothing .265 THRU
 \checkmark \varnothing .492 X 82°



NOTES:
1. MATERIAL: 3/4" CLEAR POLYCARBONATE OR BLACK HDPE
2. REMOVE ALL BURRS AND SHARP EDGES.



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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

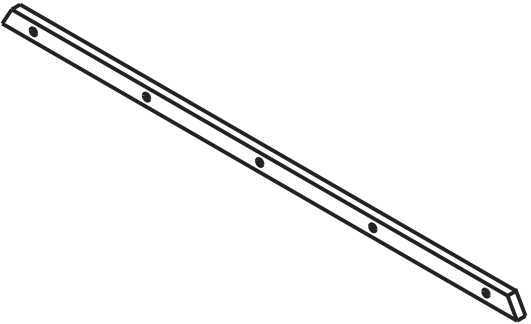
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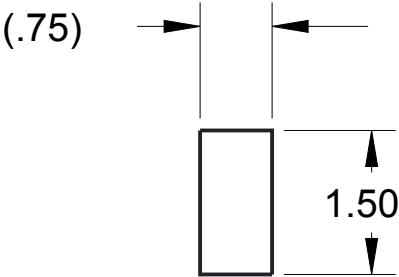
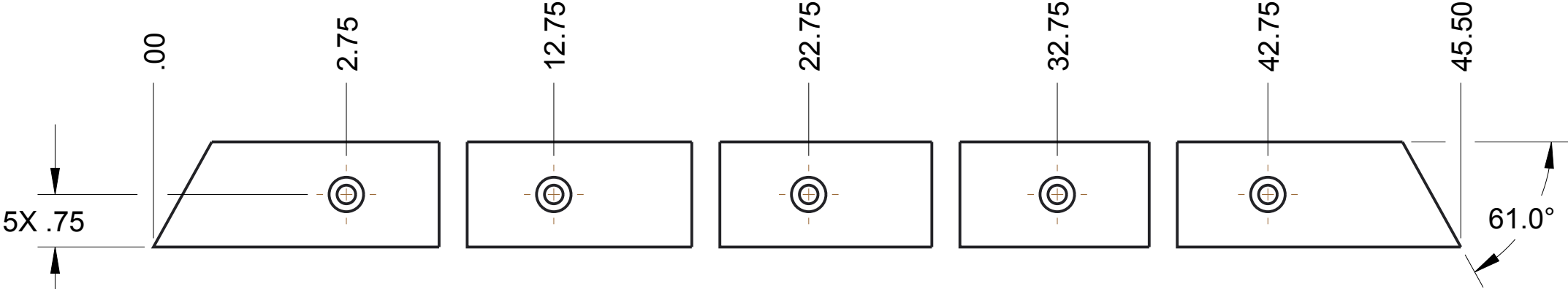
DRAWN BY	DATE
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APPROVED BY	DATE
SCALE 1:2	SHEET 1 OF 1

TITLE CLEAT, MIDDLE RAMP		
PROJECT	MODEL NAME GE-16183	ISSUE

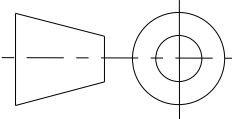
REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	A-1	Material Update	NJS	3/1/2016



SCALE 1:12



NOTES;
1. MATERIAL: 3/4" CLEAR POLYCARBONATE OR BLACK HDPE
2. REMOVE ALL BURRS AND SHARP EDGES



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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- .1°

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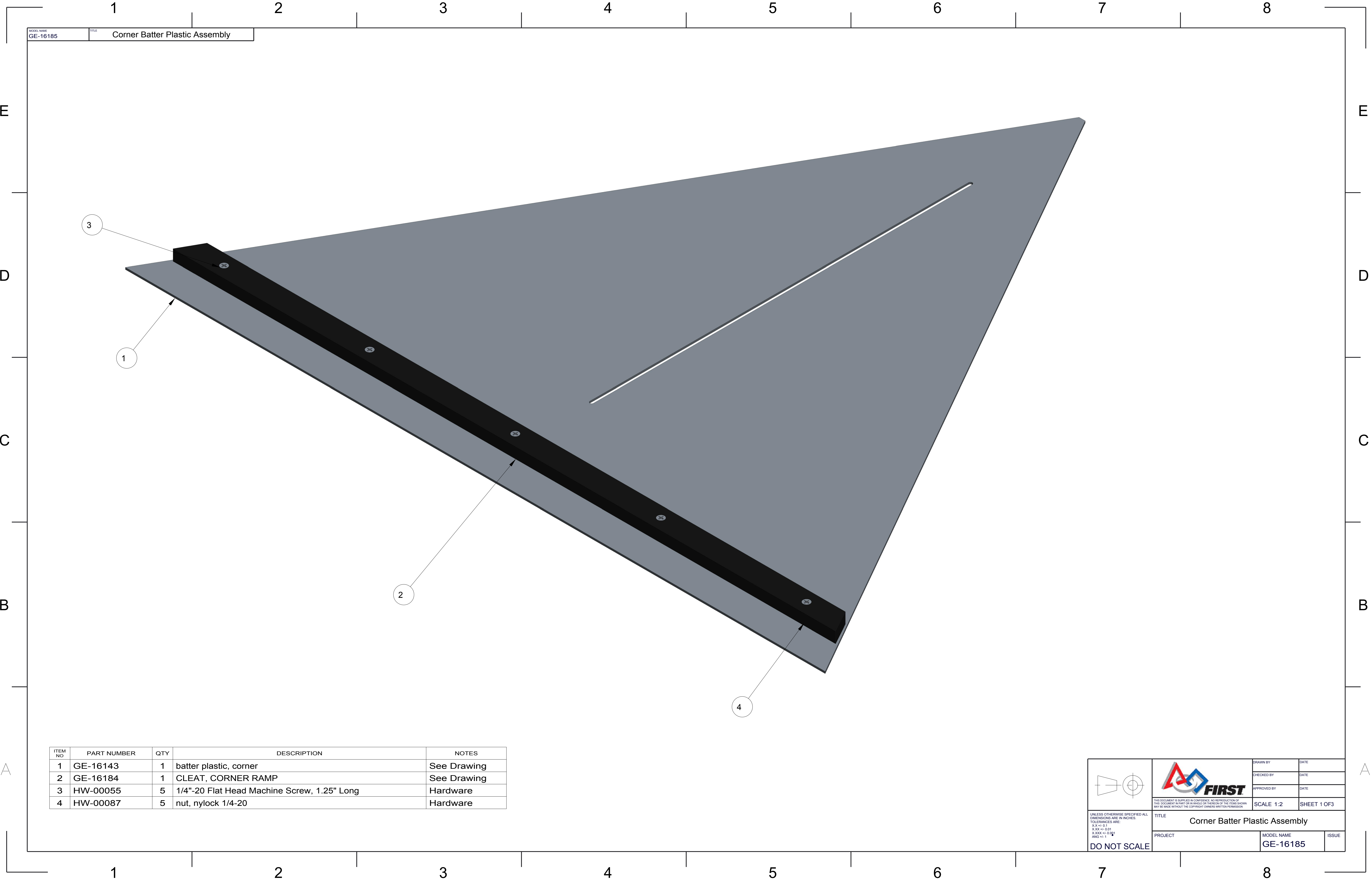


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TITLE
CLEAT, CORNER RAMP

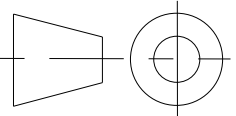

PROJECT	MODEL NAME GE-16184	ISSUE
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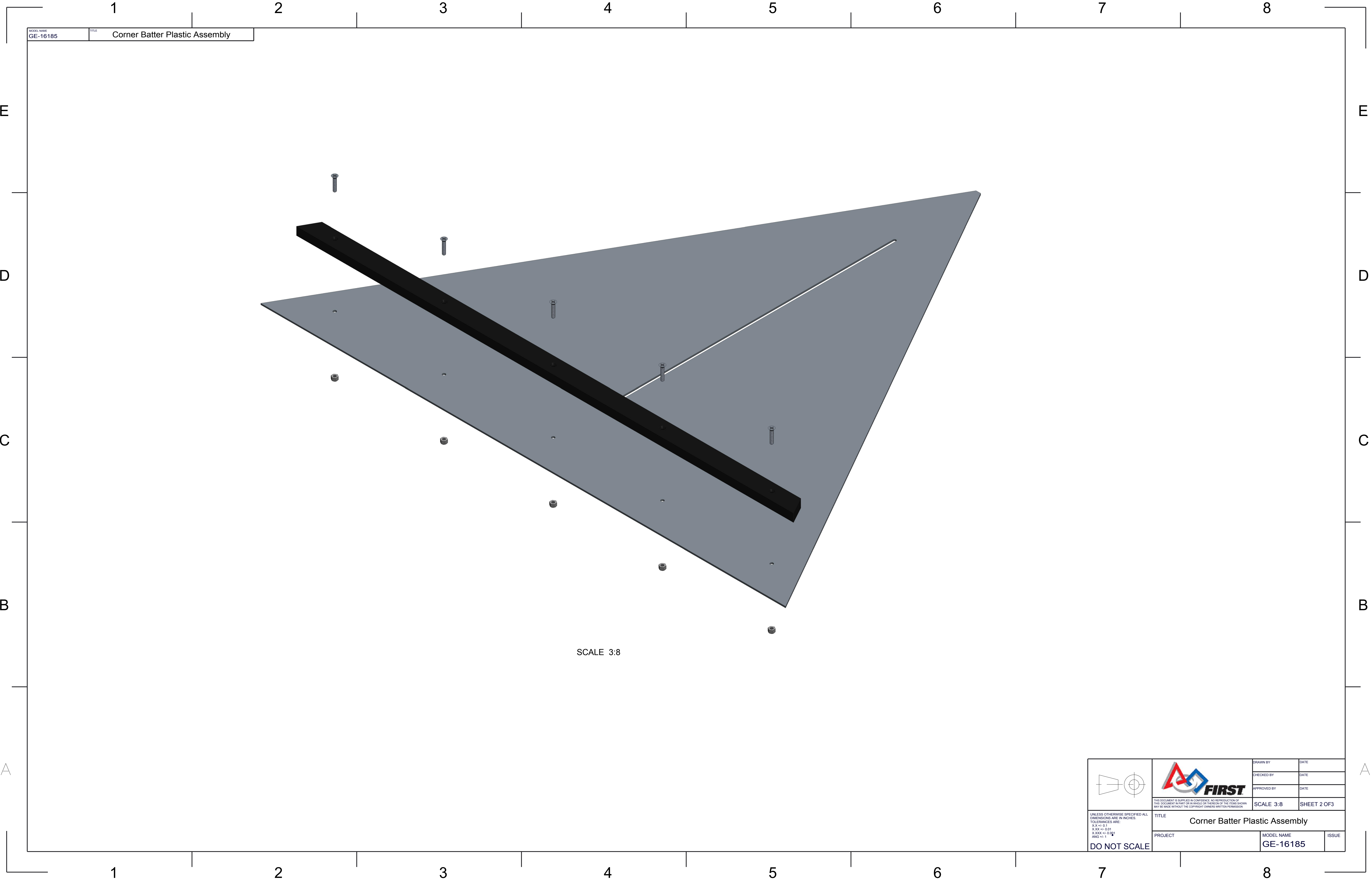
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APPROVED BY	DATE
SCALE 1:2	SHEET 1 OF 1



MODEL NAME	TITLE
GE-16185	Corner Batter Plastic Assembly

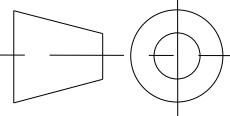

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16143	1	batter plastic, corner	See Drawing
2	GE-16184	1	CLEAT, CORNER RAMP	See Drawing
3	HW-00055	5	1/4"-20 Flat Head Machine Screw, 1.25" Long	Hardware
4	HW-00087	5	nut, nylock 1/4-20	Hardware

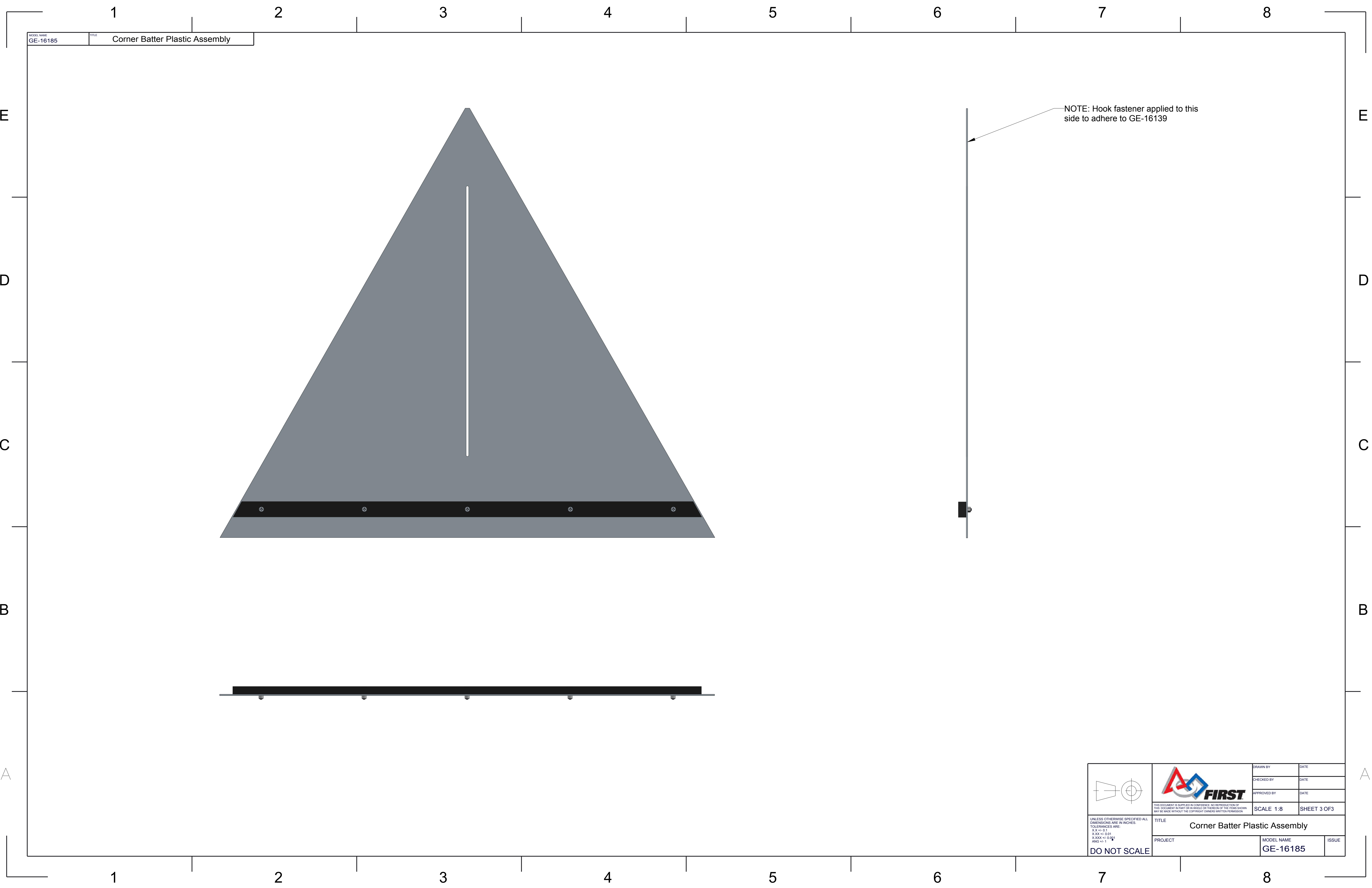
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	TITLE Corner Batter Plastic Assembly		MODEL NAME GE-16185	ISSUE
PROJECT				



MODEL NAME GE-16185	TITLE Corner Batter Plastic Assembly
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SCALE 3:8


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		APPROVED BY	DATE
		TITLE Corner Batter Plastic Assembly	
PROJECT		MODEL NAME GE-16185	ISSUE



MODEL NAME
GE-16185

TITLE
Corner Batter Plastic Assembly

NOTE: Hook fastener applied to this side to adhere to GE-16139



FIRST

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SCALE 1:8	
SHEET 3 OF 3	
TITLE Corner Batter Plastic Assembly	
PROJECT	MODEL NAME GE-16185
ISSUE	

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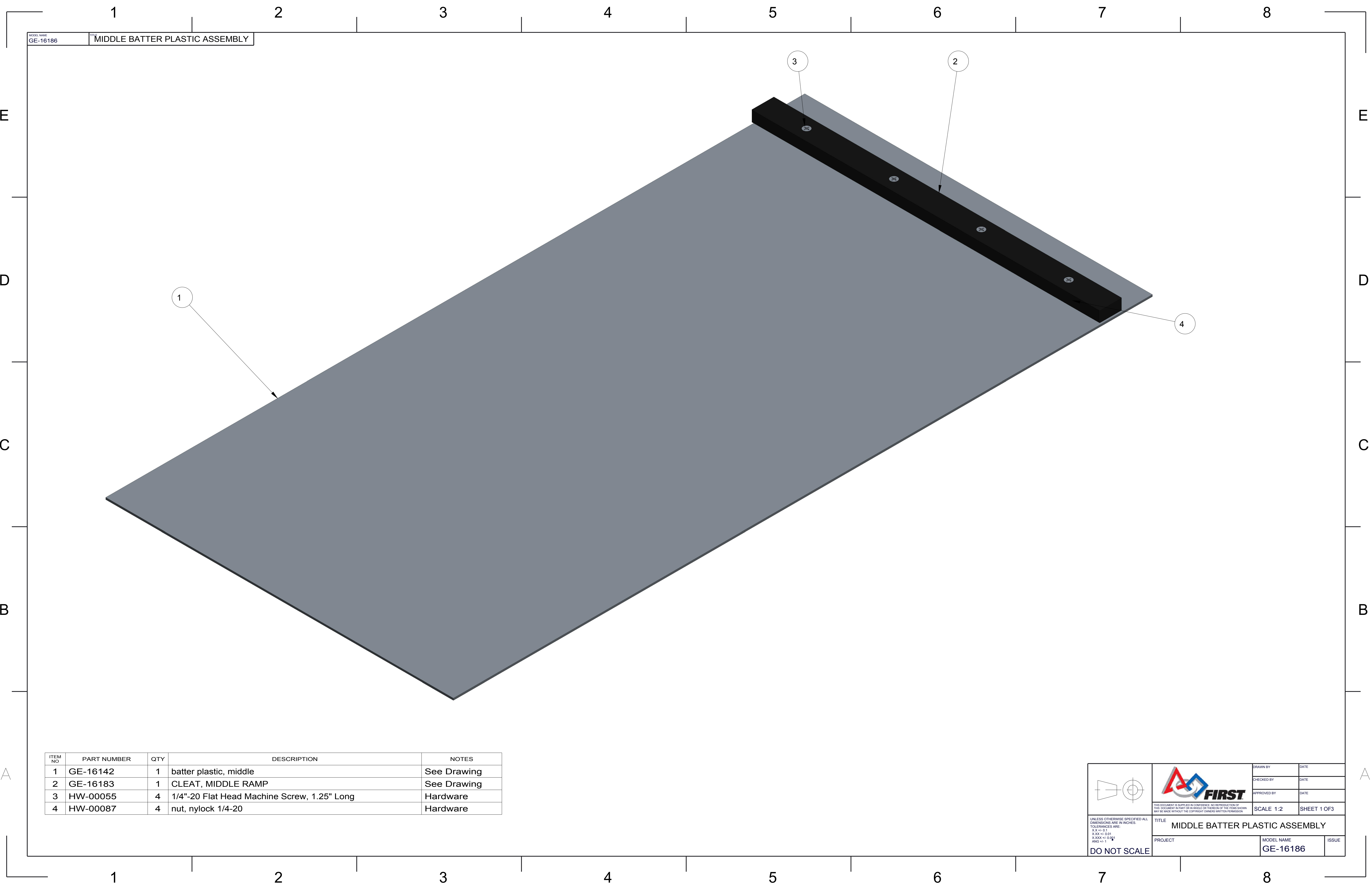
XX +/- 0.1

XXX +/- 0.01

X,XXX +/- 0.001

ANG +/- 1

DO NOT SCALE



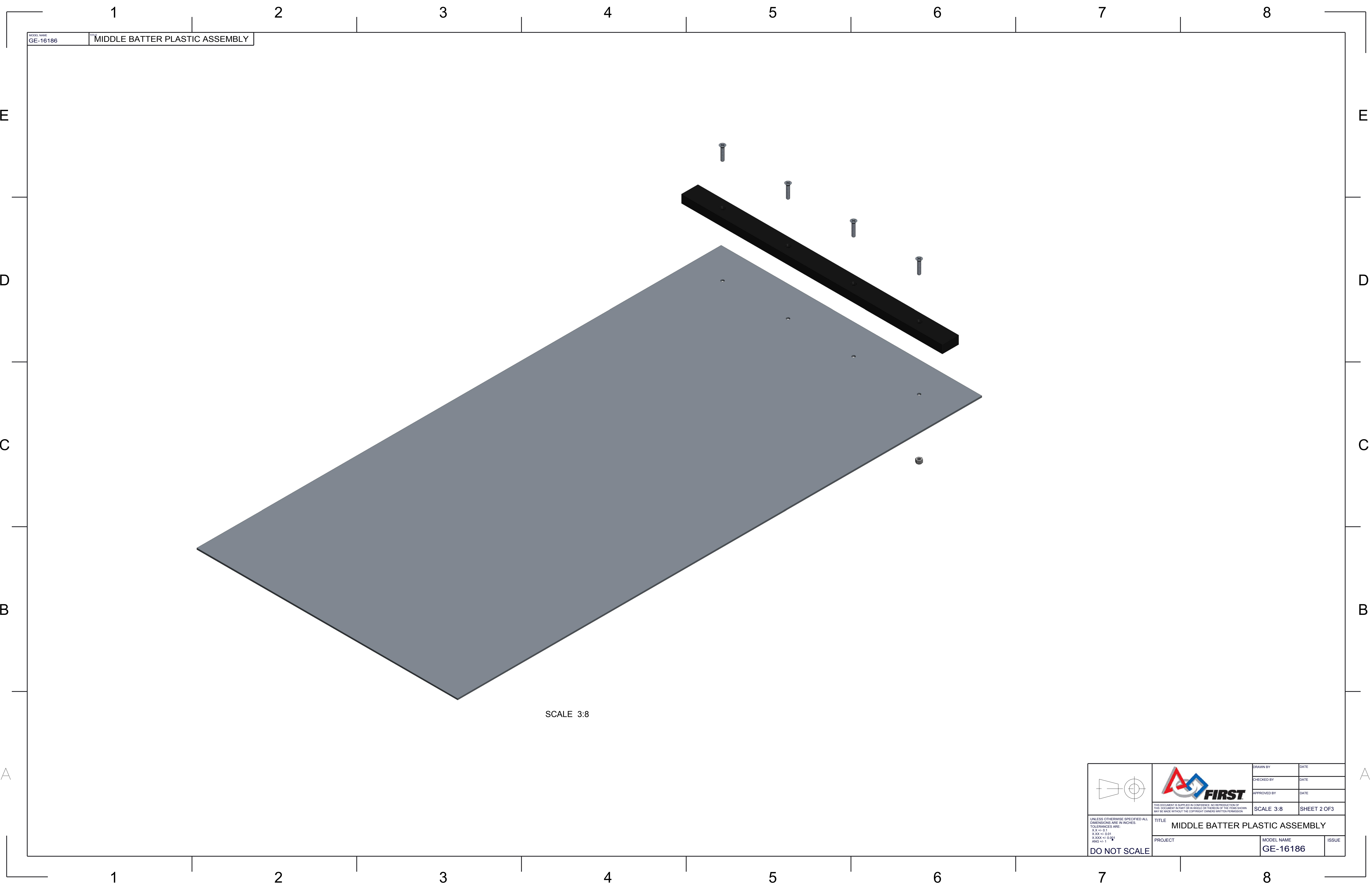
ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16142	1	batter plastic, middle	See Drawing
2	GE-16183	1	CLEAT, MIDDLE RAMP	See Drawing
3	HW-00055	4	1/4"-20 Flat Head Machine Screw, 1.25" Long	Hardware
4	HW-00087	4	nut, nylock 1/4-20	Hardware

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1
DO NOT SCALE

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TITLE MIDDLE BATTER PLASTIC ASSEMBLY	
PROJECT	MODEL NAME GE-16186
ISSUE	

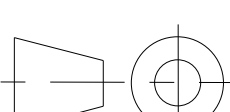

SCALE 1:2	SHEET 1 OF 3
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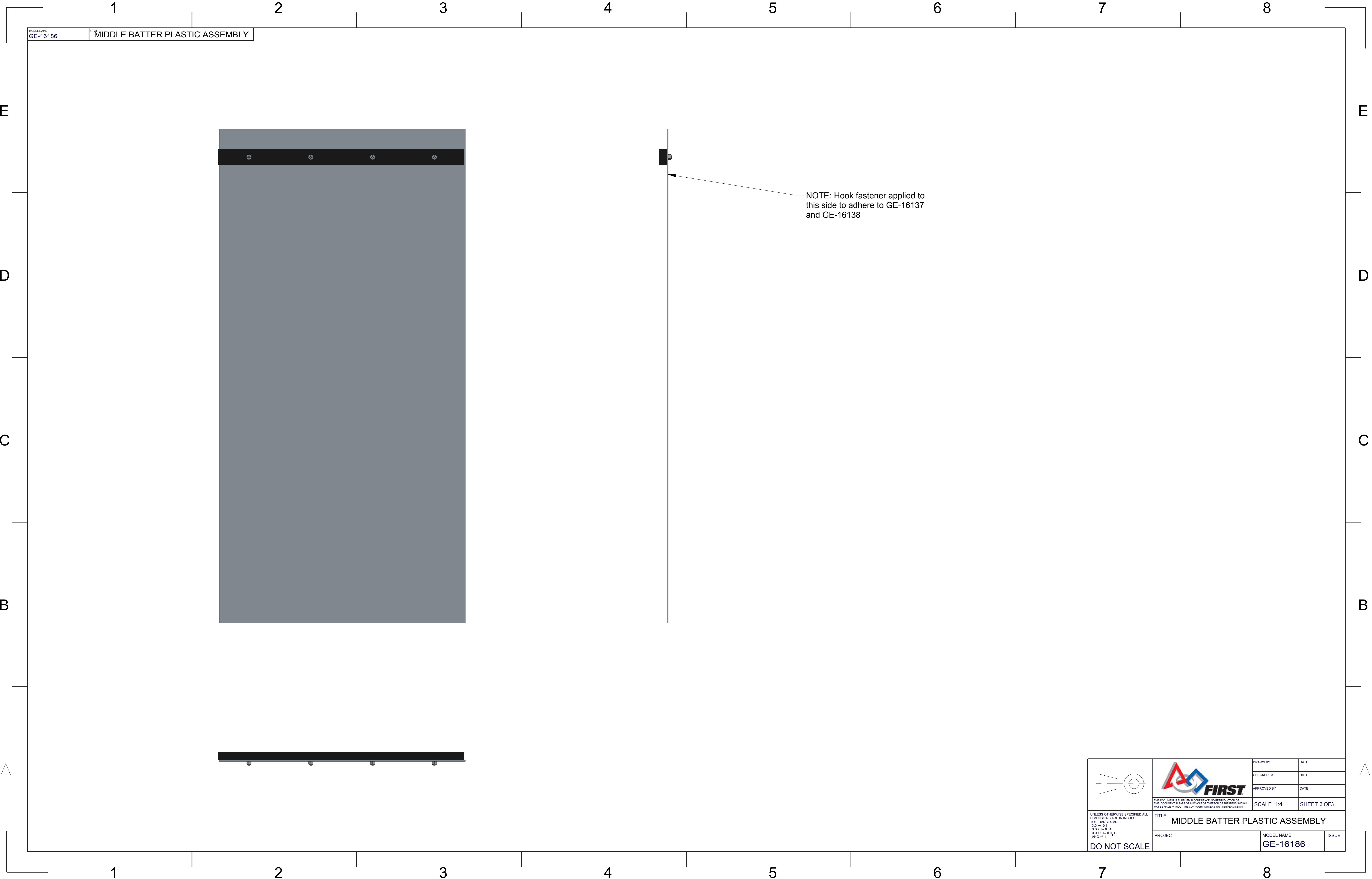


MODEL NAME
GE-16186

TITLE
MIDDLE BATTER PLASTIC ASSEMBLY

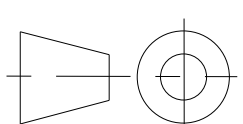

SCALE 3:8

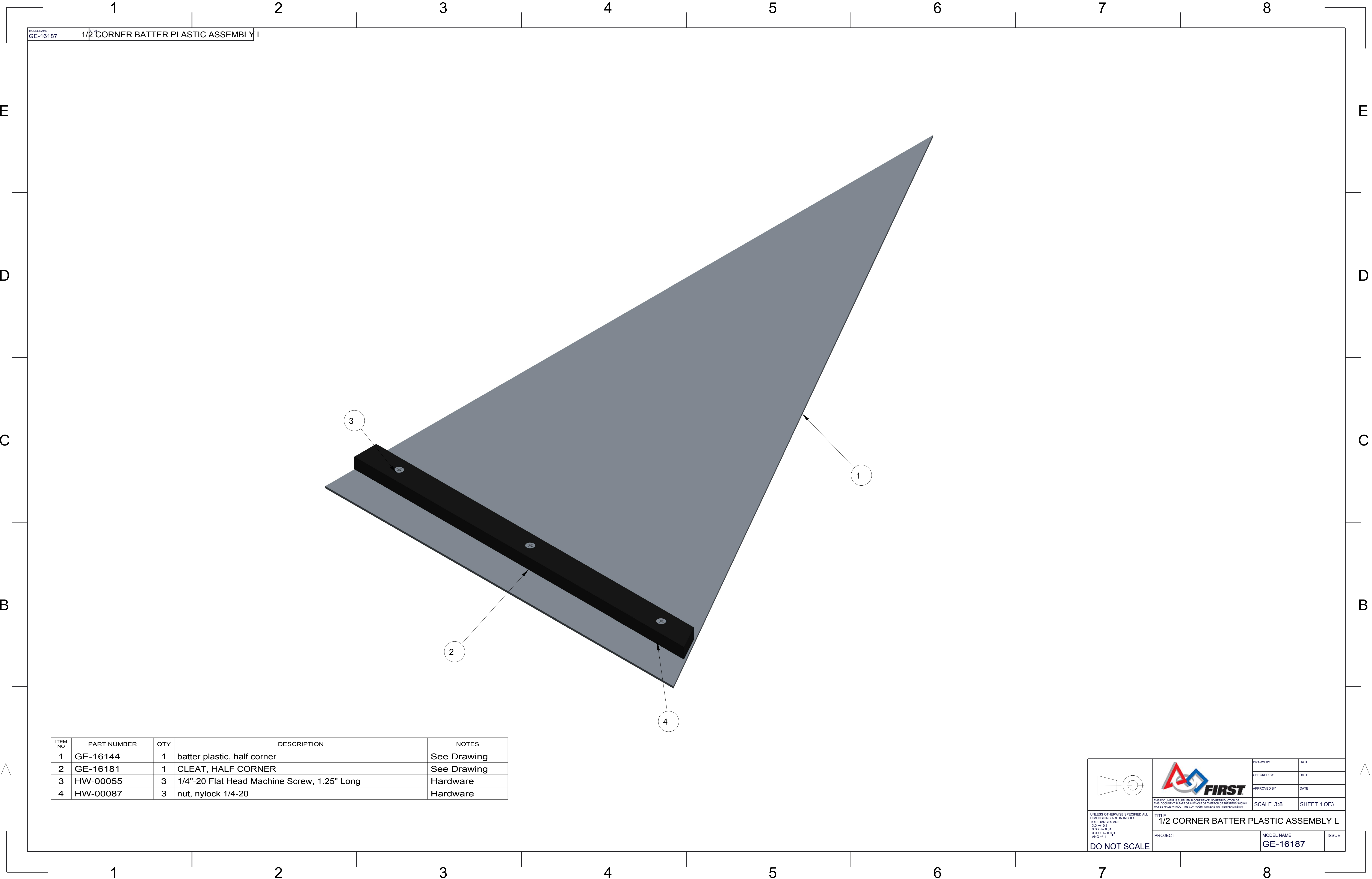
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TITLE			
MIDDLE BATTER PLASTIC ASSEMBLY			
PROJECT	MODEL NAME		ISSUE
	GE-16186		



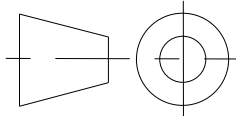
MODEL NAME
GE-16186


TITLE
MIDDLE BATTER PLASTIC ASSEMBLY

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		CHECKED BY	DATE		
		APPROVED BY	DATE		
		SCALE 1:4		SHEET 3 OF 3	
TITLE MIDDLE BATTER PLASTIC ASSEMBLY					
PROJECT		MODEL NAME GE-16186		ISSUE	



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16144	1	batter plastic, half corner	See Drawing
2	GE-16181	1	CLEAT, HALF CORNER	See Drawing
3	HW-00055	3	1/4"-20 Flat Head Machine Screw, 1.25" Long	Hardware
4	HW-00087	3	nut, nylock 1/4-20	Hardware





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DATE

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X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

TITLE

1/2 CORNER BATTER PLASTIC ASSEMBLY L

PROJECT

MODEL NAME

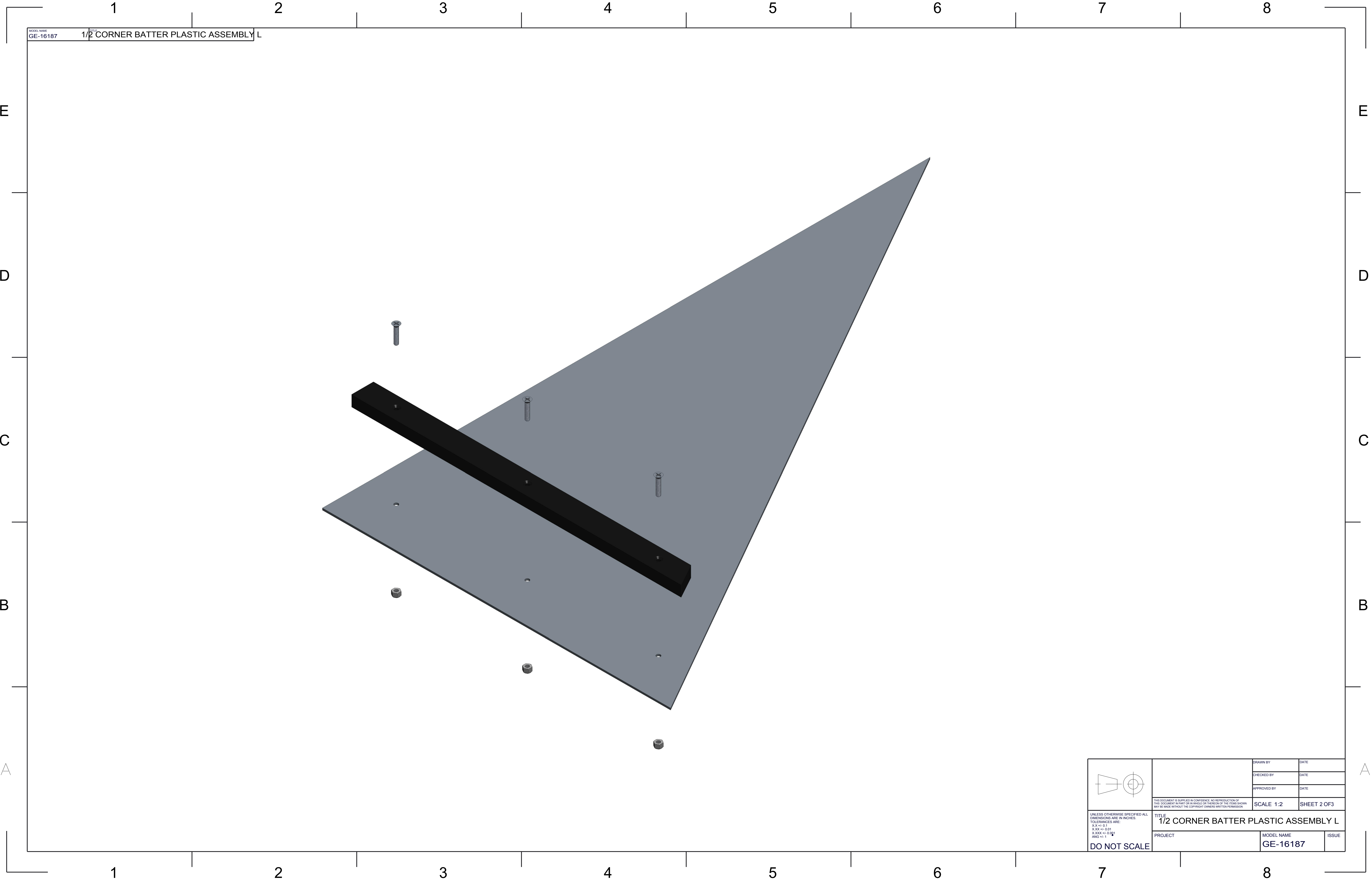
ISSUE

SCALE 3:8

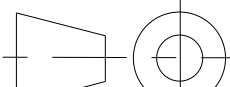
SHEET 1 OF 3

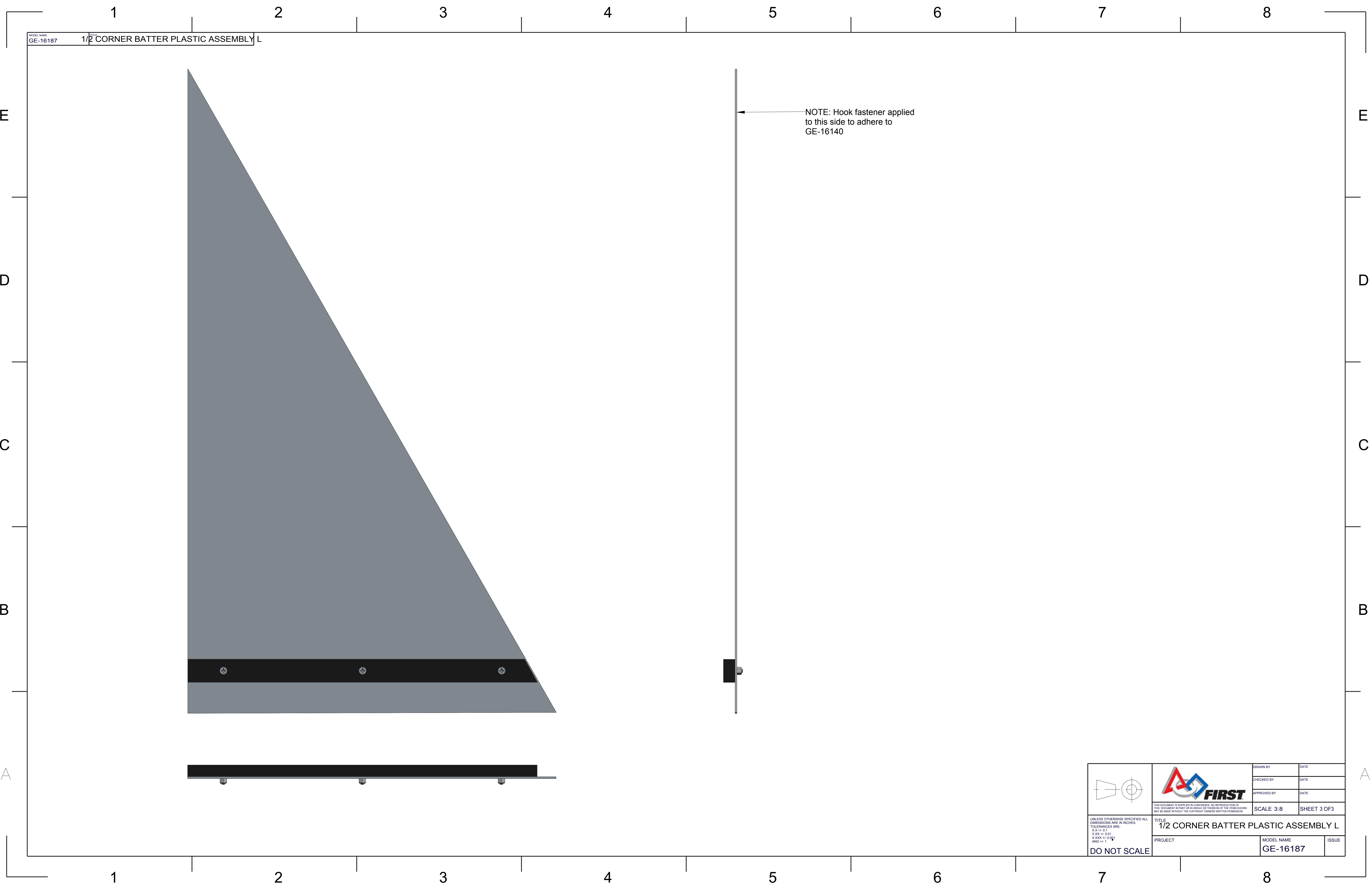
GE-16187

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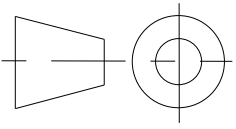

MODEL NAME: GE-16187
ISSUE: 1/2 CORNER BATTER PLASTIC ASSEMBLY L

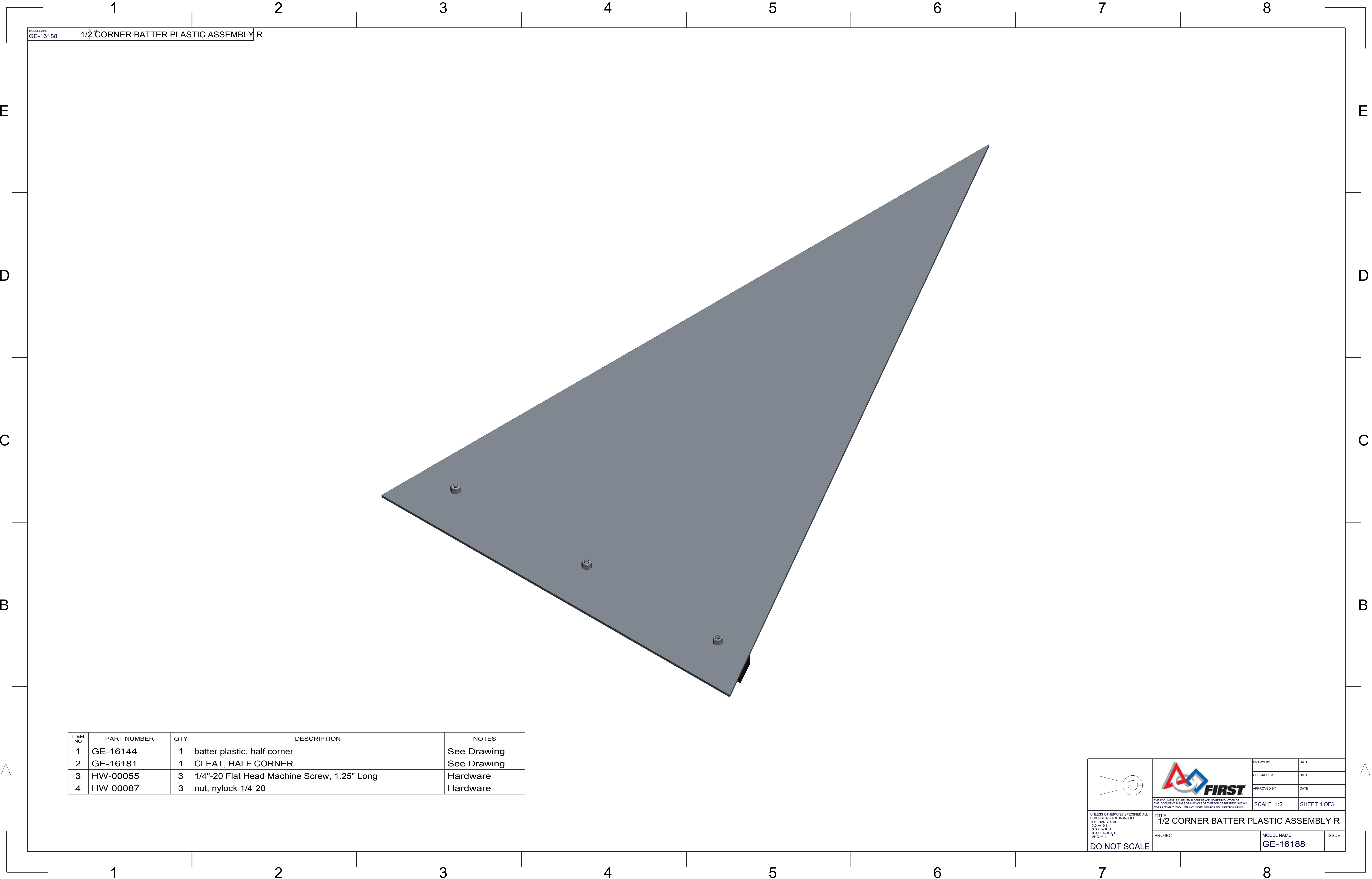
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SCALE 1:2		SHEET 2 OF 3	
TITLE 1/2 CORNER BATTER PLASTIC ASSEMBLY L			
PROJECT		MODEL NAME GE-16187	ISSUE
DO NOT SCALE			



MODEL NAME
GE-16187

ISSUE
1/2 CORNER BATTER PLASTIC ASSEMBLY L

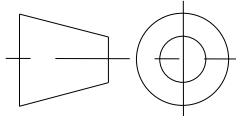
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		CHECKED BY	DATE	
		APPROVED BY	DATE	
		SCALE 3:8		SHEET 3 OF 3
TITLE 1/2 CORNER BATTER PLASTIC ASSEMBLY L				
PROJECT		MODEL NAME GE-16187	ISSUE	



MODEL NAME
GE-16188


ISSUE
1/2 CORNER BATTER PLASTIC ASSEMBLY R

ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16144	1	batter plastic, half corner	See Drawing
2	GE-16181	1	CLEAT, HALF CORNER	See Drawing
3	HW-00055	3	1/4"-20 Flat Head Machine Screw, 1.25" Long	Hardware
4	HW-00087	3	nut, nylock 1/4-20	Hardware



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

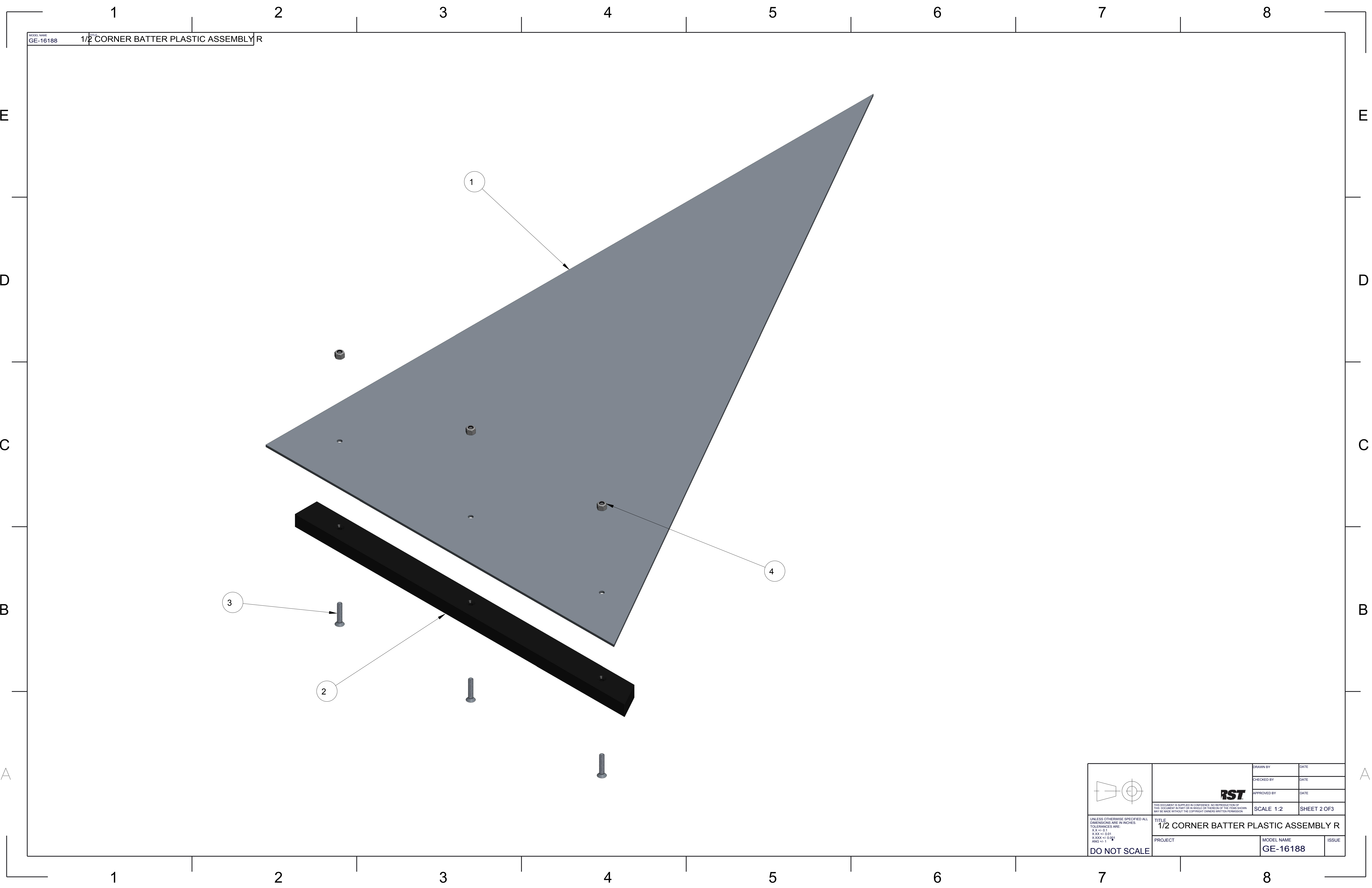


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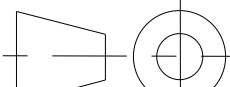

TITLE
1/2 CORNER BATTER PLASTIC ASSEMBLY R

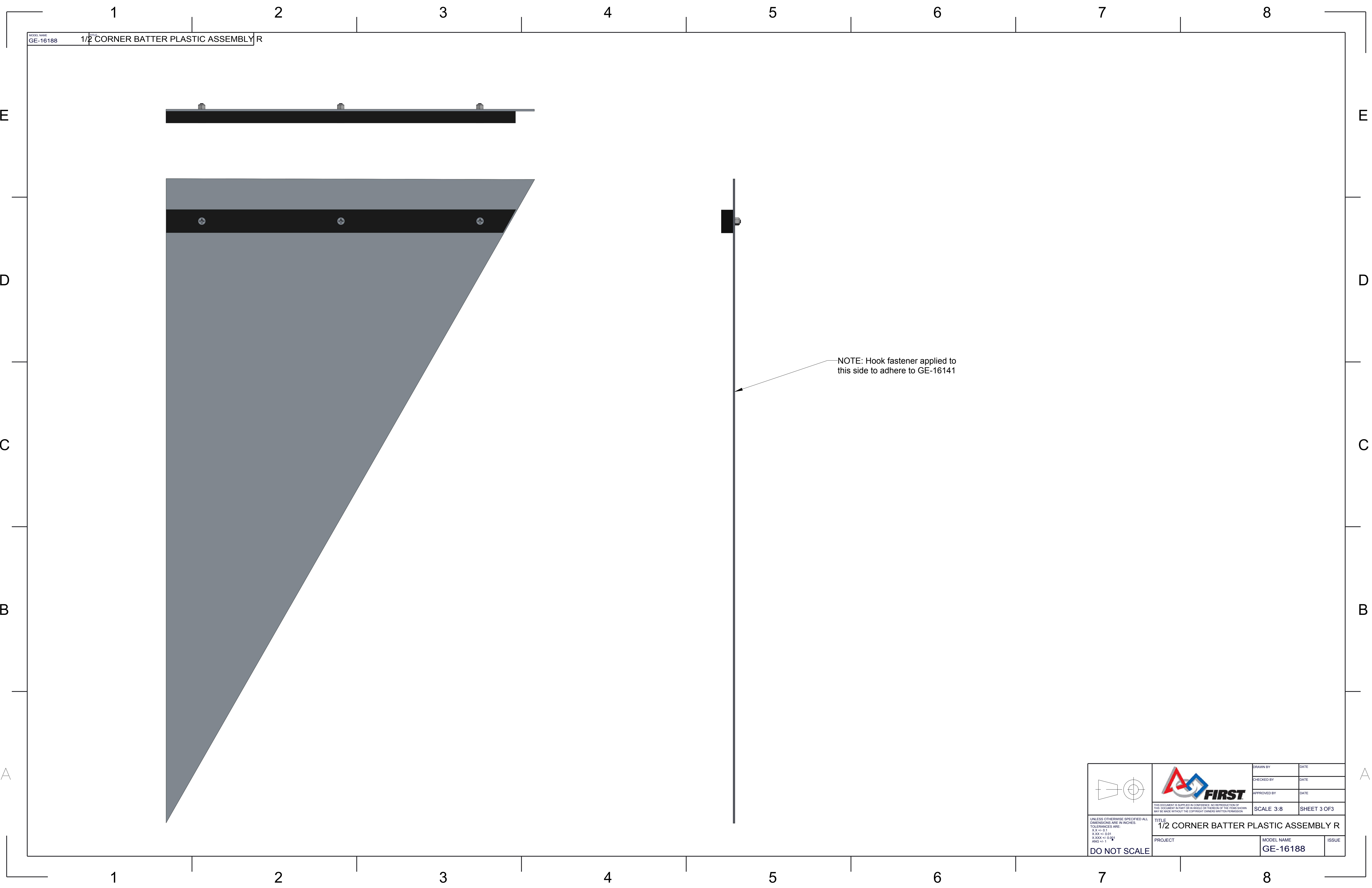
PROJECT	MODEL NAME GE-16188	ISSUE
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DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:2	SHEET 1 OF 3



MODEL NAME: GE-16188
ISSUE: 1/2 CORNER BATTER PLASTIC ASSEMBLY R

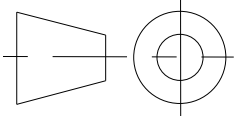

 <div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.XX +/- 0.1 X.XXX +/- 0.001 ANG +/- 1</div> <div>DO NOT SCALE</div>	 <div>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION.</div>	DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 1:2 SHEET 2 OF 3	
TITLE 1/2 CORNER BATTER PLASTIC ASSEMBLY R			
PROJECT	MODEL NAME GE-16188		ISSUE



MODEL NAME
GE-16188

ISSUE
1/2 CORNER BATTER PLASTIC ASSEMBLY R

NOTE: Hook fastener applied to
this side to adhere to GE-16141

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. XXX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1		TITLE 1/2 CORNER BATTER PLASTIC ASSEMBLY R	
PROJECT		MODEL NAME GE-16188	ISSUE
DO NOT SCALE		SCALE 3:8 SHEET 3 OF 3	

D

D

C

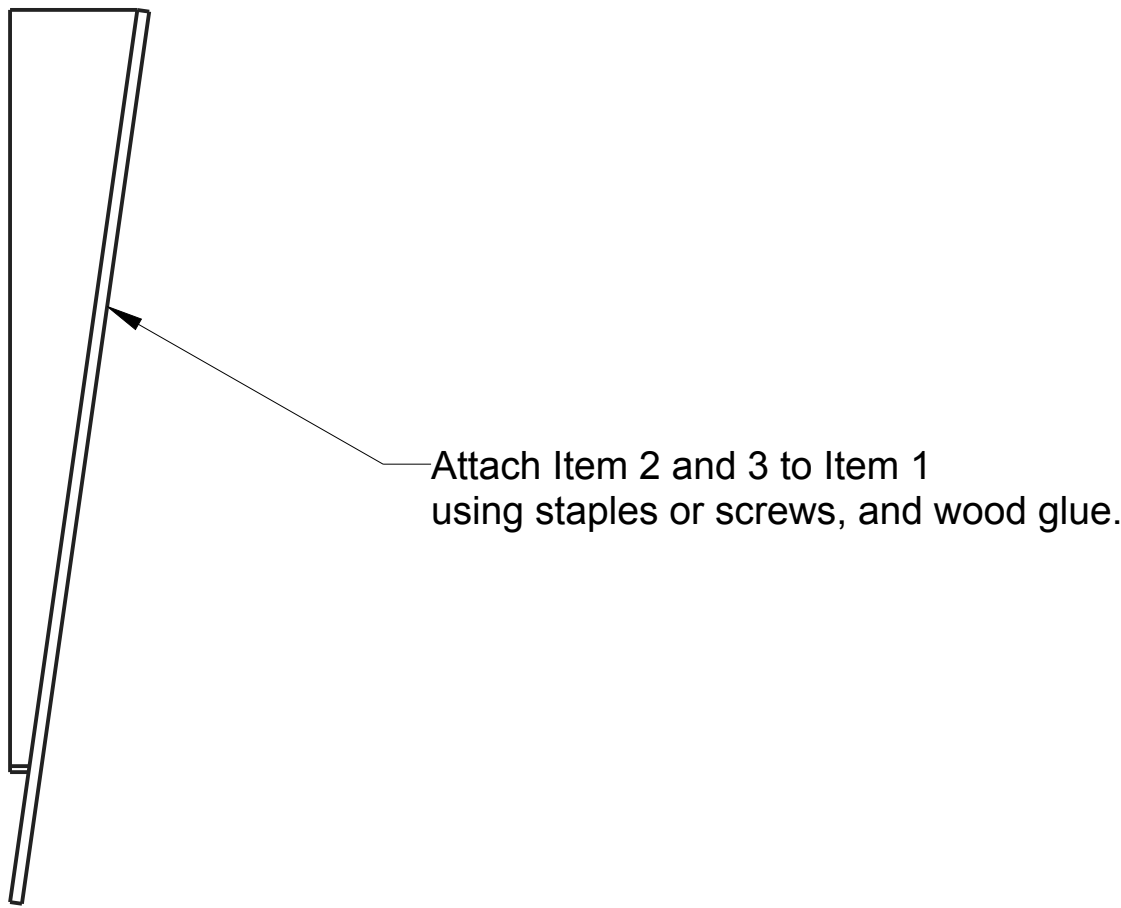
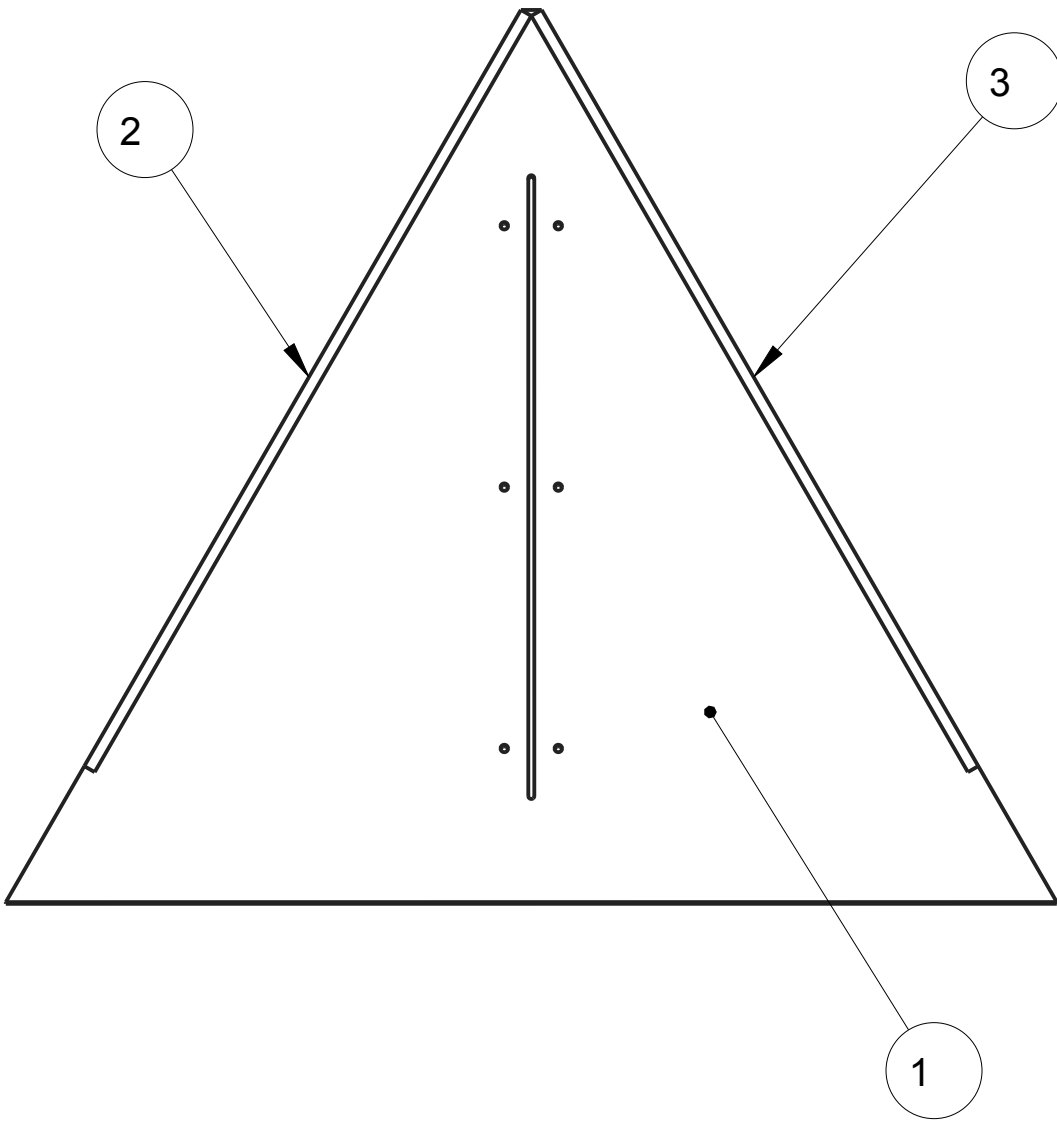
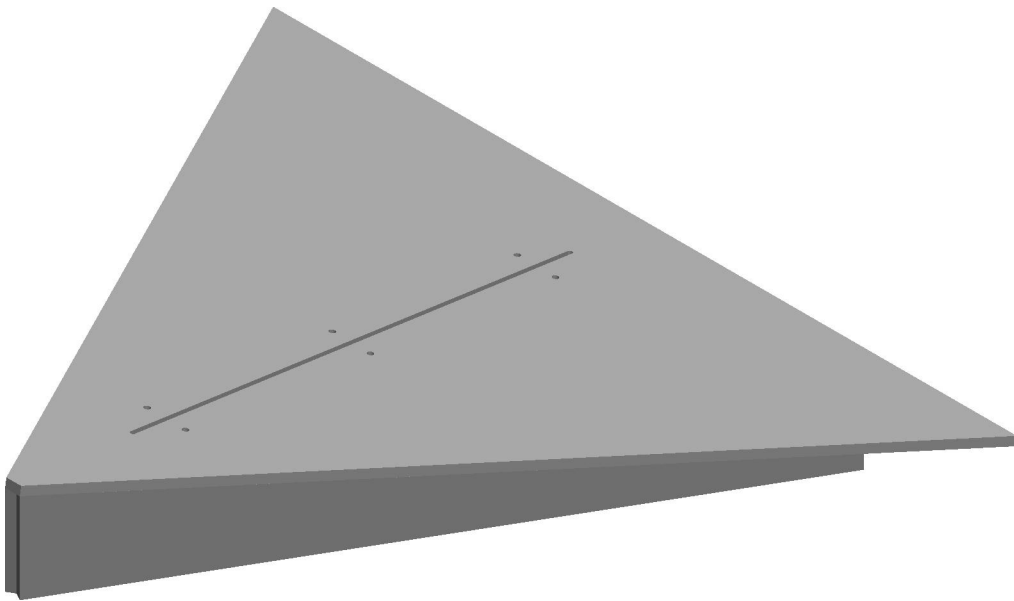
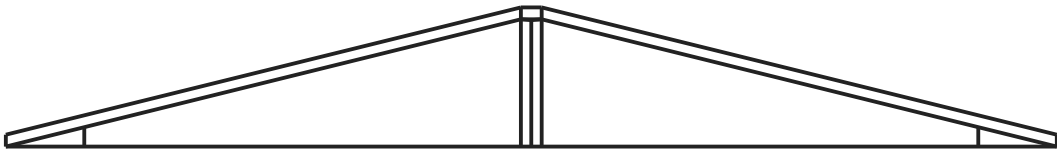
C

B

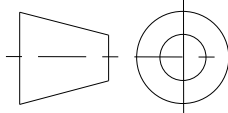

B

A

A



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16189-01	1	RAMP	1/2" Plywood
2	GE-16189-02	1	SIDE 1	1/2" Plywood
3	GE-16189-03	1	SIDE 2	1/2" Plywood

 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1</small> DO NOT SCALE		<small>DRAWN BY</small>	<small>DATE</small>
		<small>CHECKED BY</small>	<small>DATE</small>
		<small>APPROVED BY</small>	<small>DATE</small>
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<small>TITLE</small> BATTER RAMP, CORNER			
<small>PROJECT</small>		<small>MODEL NAME</small> GE-16189	<small>ISSUE</small>

D

C

B

A

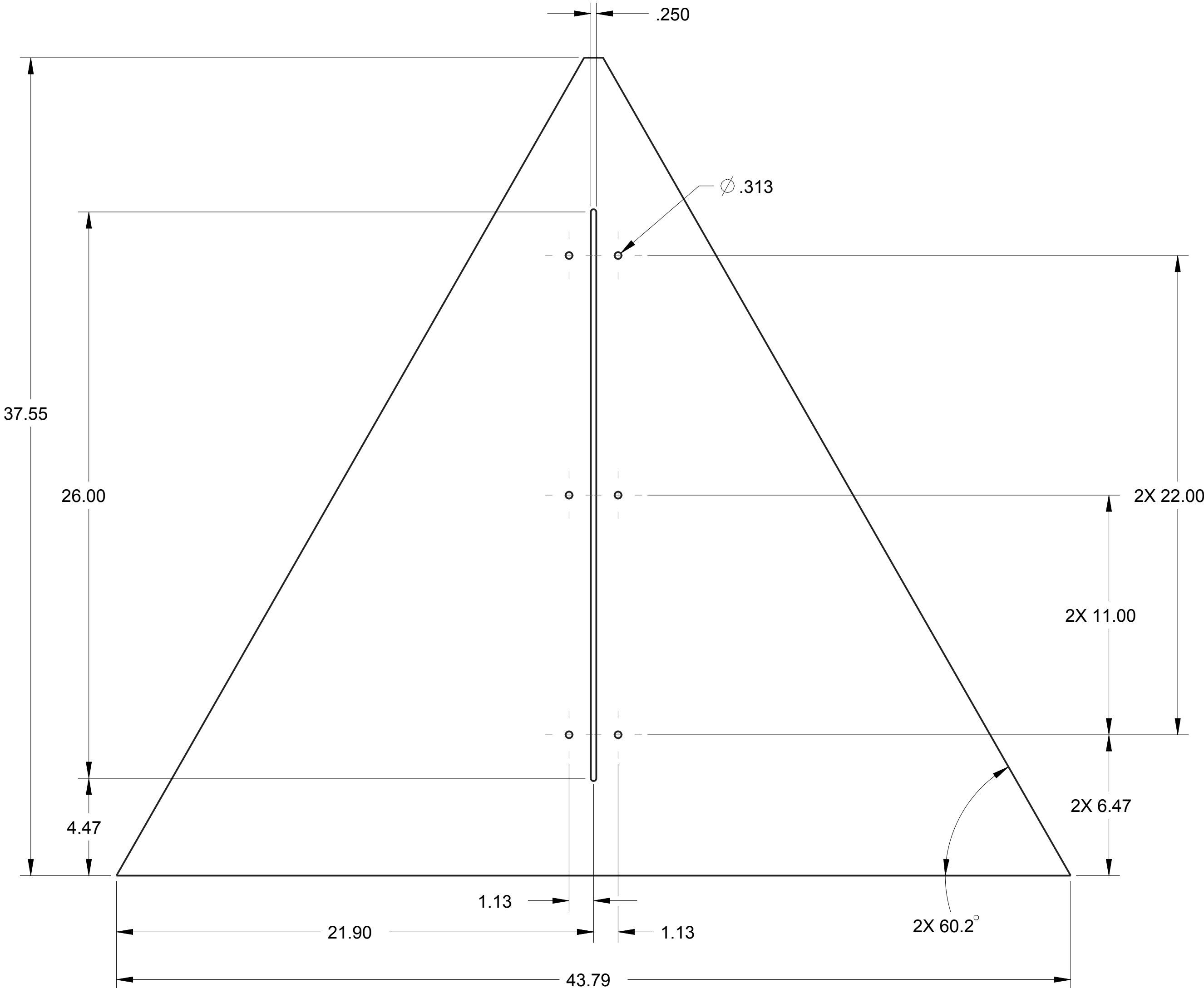
D

C


B

A

MODEL NAME	TITLE
GE-16189	BATTER RAMP, CORNER



NOTES:
1. ITEM: GE-16189-01
2. MATERIAL: 1/2" THICK PLYWOOD.
3. QTY: 1

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	CHECKED BY		DATE
	APPROVED BY		DATE
	SCALE 1:8		SHEET 2 OF 3
<small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1</small> DO NOT SCALE	TITLE BATTER RAMP, CORNER		
	PROJECT		MODEL NAME GE-16189
			ISSUE

D

D

C

C

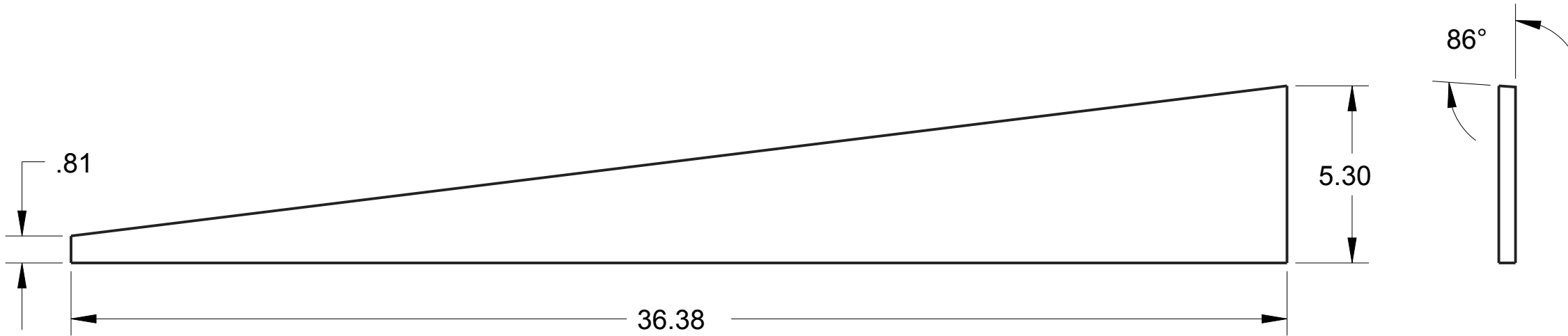
B

B

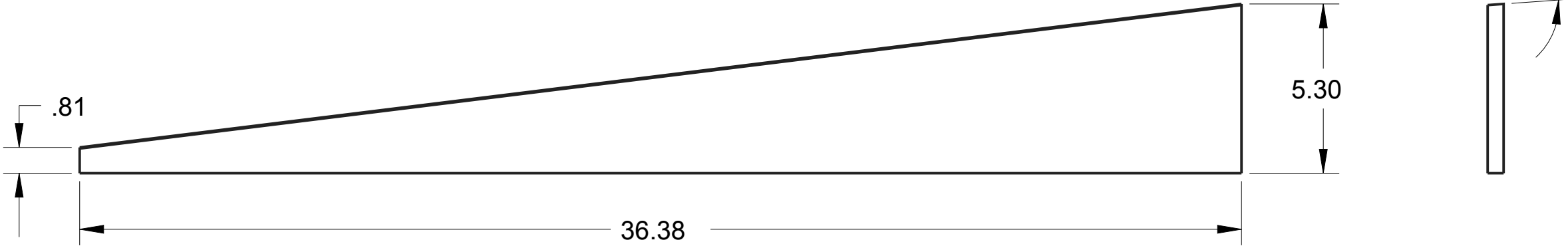
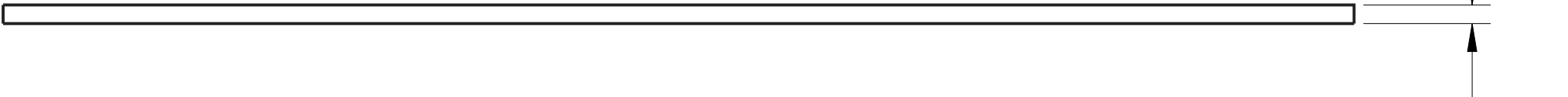
A

A

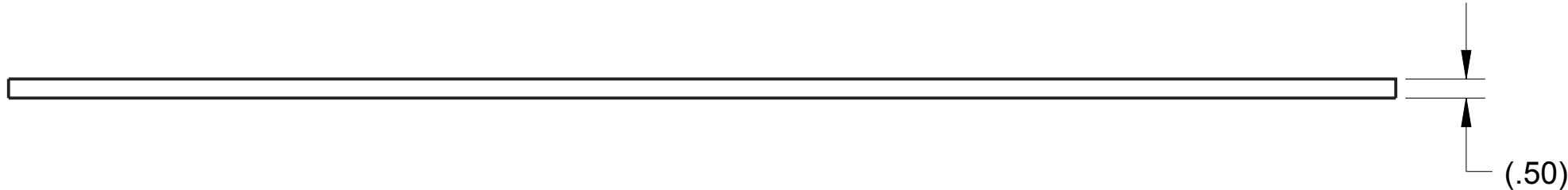
MODEL NAME	TITLE
GE-16189	BATTER RAMP, CORNER




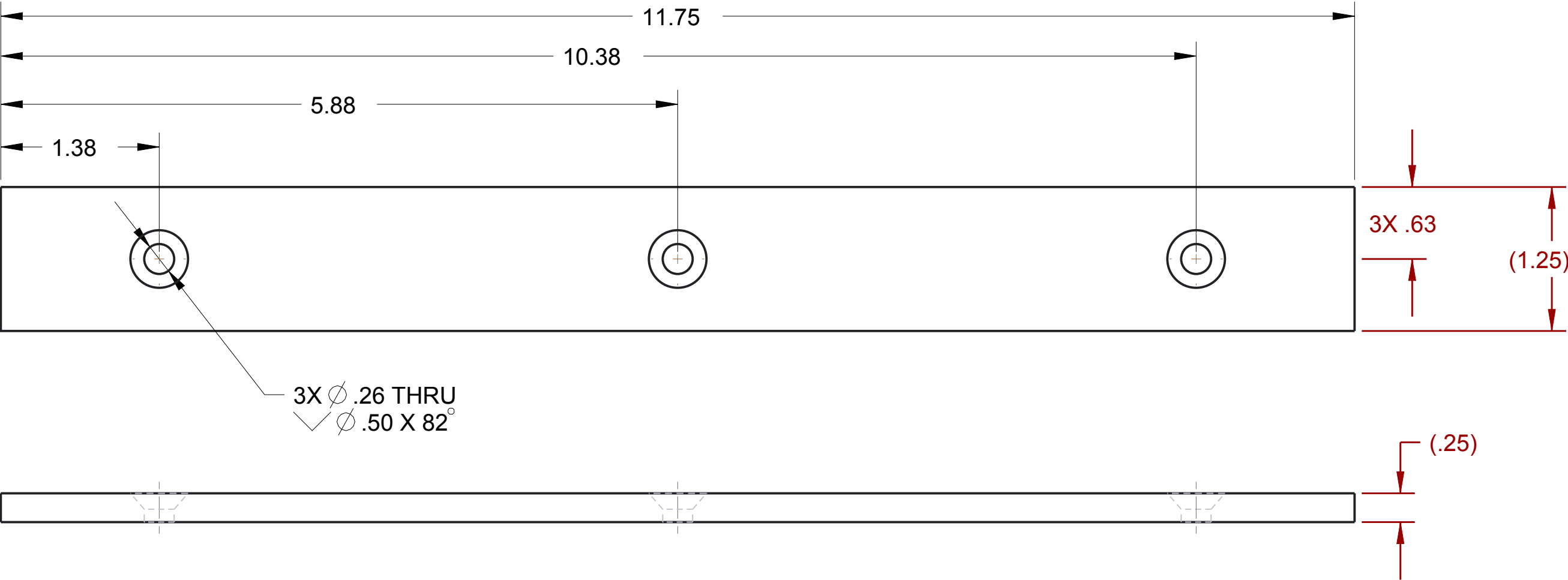
NOTES:
1. ITEM: GE-16189-02
2. MATERIAL: 1/2" THICK PLYWOOD.
3. QTY: 1



NOTES:
1. ITEM: GE-16189-03
2. MATERIAL: 1/2" THICK PLYWOOD.
3. QTY: 1

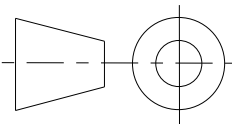



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	CHECKED BY	DATE
	APPROVED BY	DATE
	SCALE 1:8	SHEET 3 OF 3
<small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1</small> DO NOT SCALE	TITLE BATTER RAMP, CORNER	
	PROJECT	MODEL NAME GE-16189
		ISSUE

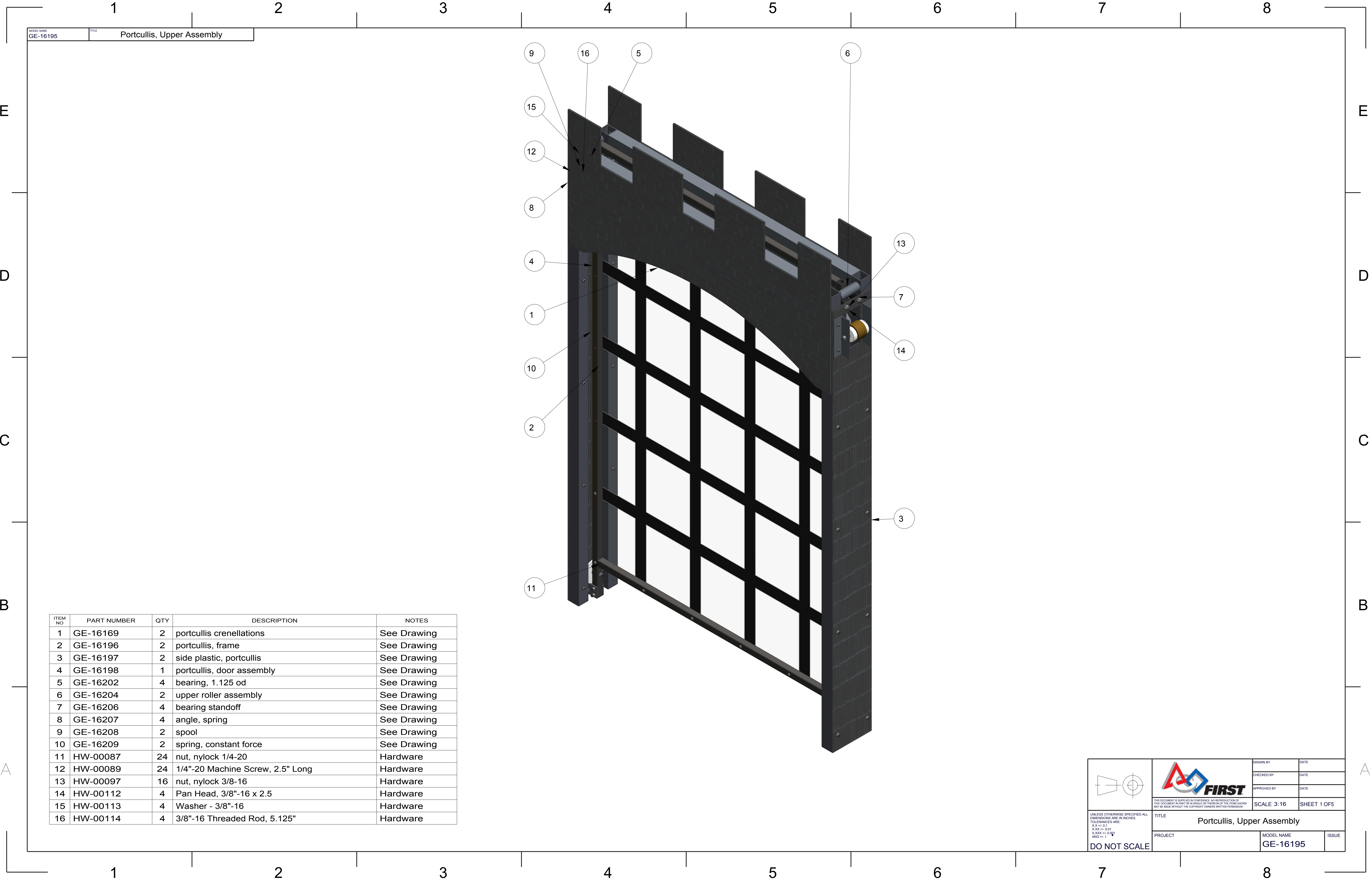


NOTE

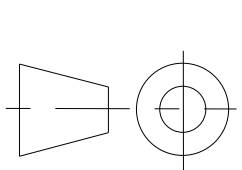
Material: 1018 Cold Rolled Steel Rectangle, .25" x 1.25"
Scale: 1:1
Remove all sharp edges and burrs

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		CHECKED BY	DATE
		APPROVED BY	DATE
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°	TITLE Ballast, CDF Platform		
	PROJECT	MODEL NAME GE-16190	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- \uparrow
DO NOT SCALE




ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16169	2	portcullis crenellations	See Drawing
2	GE-16196	2	portcullis, frame	See Drawing
3	GE-16197	2	side plastic, portcullis	See Drawing
4	GE-16198	1	portcullis, door assembly	See Drawing
5	GE-16202	4	bearing, 1.125 od	See Drawing
6	GE-16204	2	upper roller assembly	See Drawing
7	GE-16206	4	bearing standoff	See Drawing
8	GE-16207	4	angle, spring	See Drawing
9	GE-16208	2	spool	See Drawing
10	GE-16209	2	spring, constant force	See Drawing
11	HW-00087	24	nut, nylock 1/4-20	Hardware
12	HW-00089	24	1/4"-20 Machine Screw, 2.5" Long	Hardware
13	HW-00097	16	nut, nylock 3/8-16	Hardware
14	HW-00112	4	Pan Head, 3/8"-16 x 2.5	Hardware
15	HW-00113	4	Washer - 3/8"-16	Hardware
16	HW-00114	4	3/8"-16 Threaded Rod, 5.125"	Hardware



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

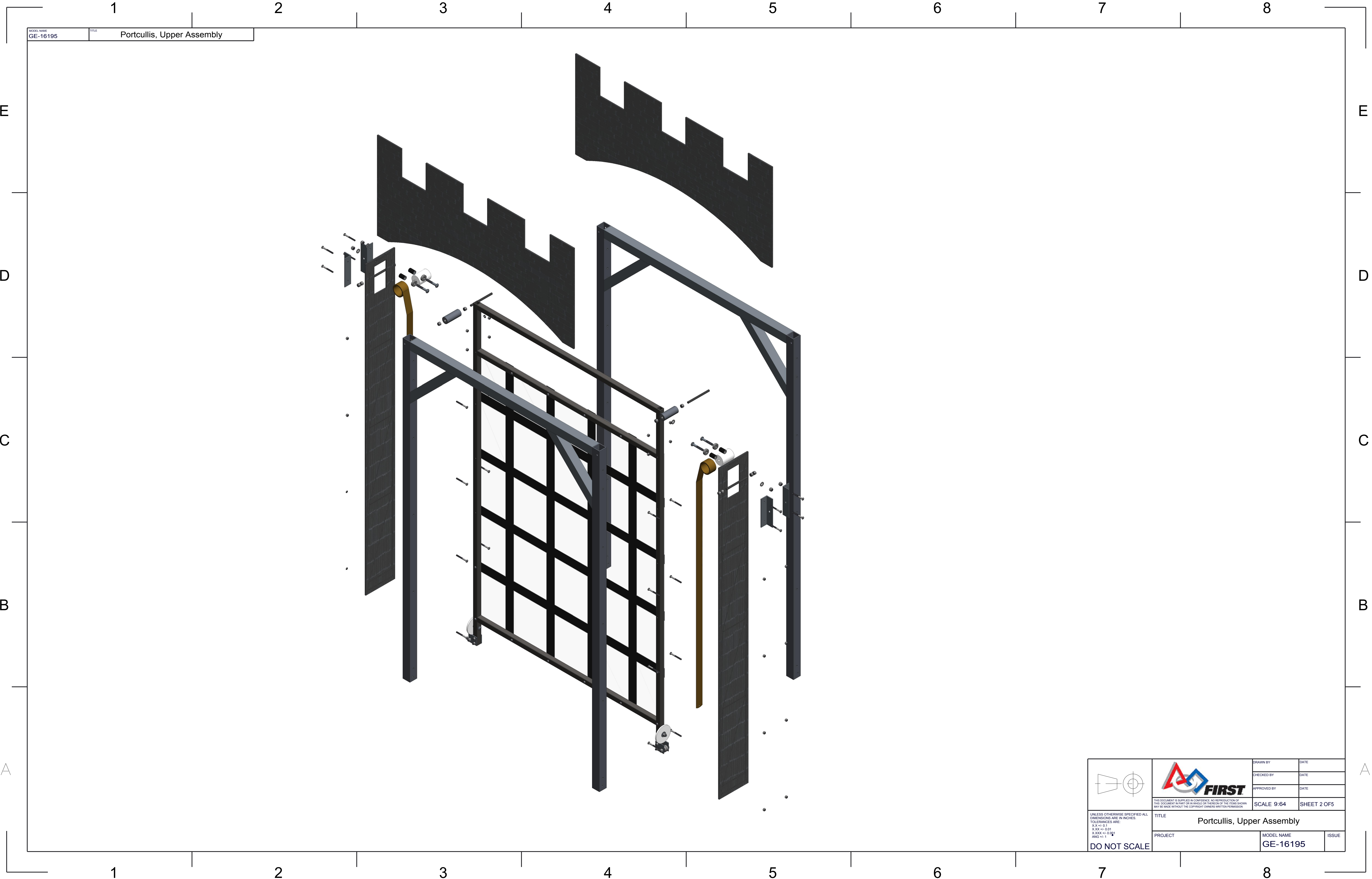


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TITLE
Portcullis, Upper Assembly

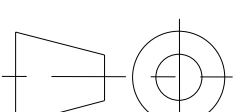

PROJECT

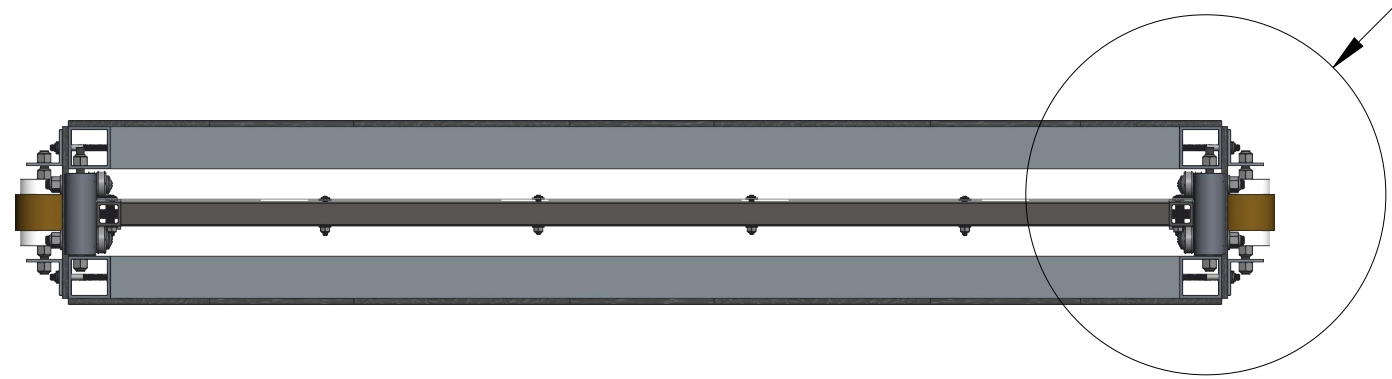
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 3:16	SHEET 1 OF 5
MODEL NAME GE-16195	ISSUE



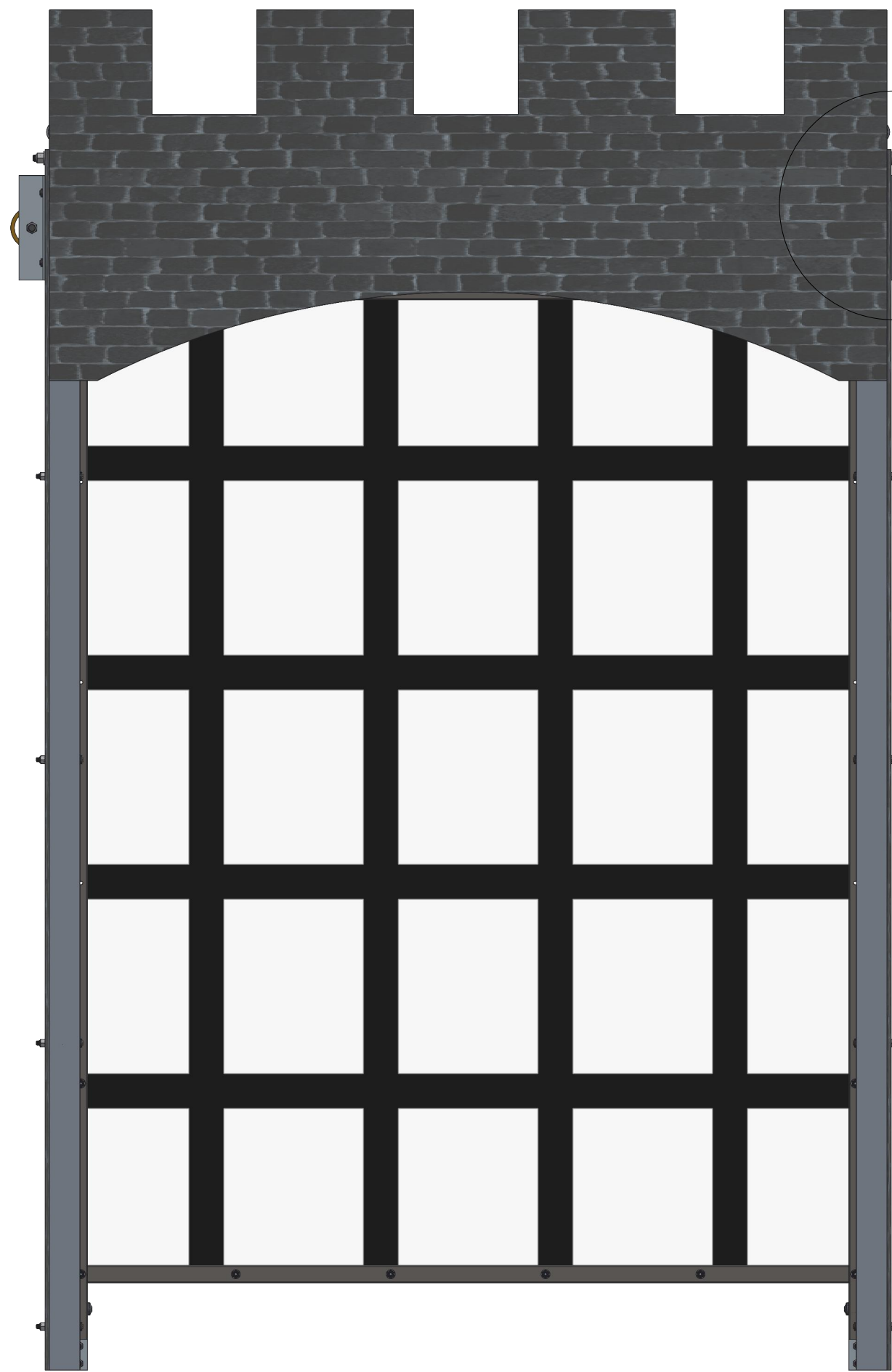
MODEL NAME
GE-16195

TITLE
Portcullis, Upper Assembly

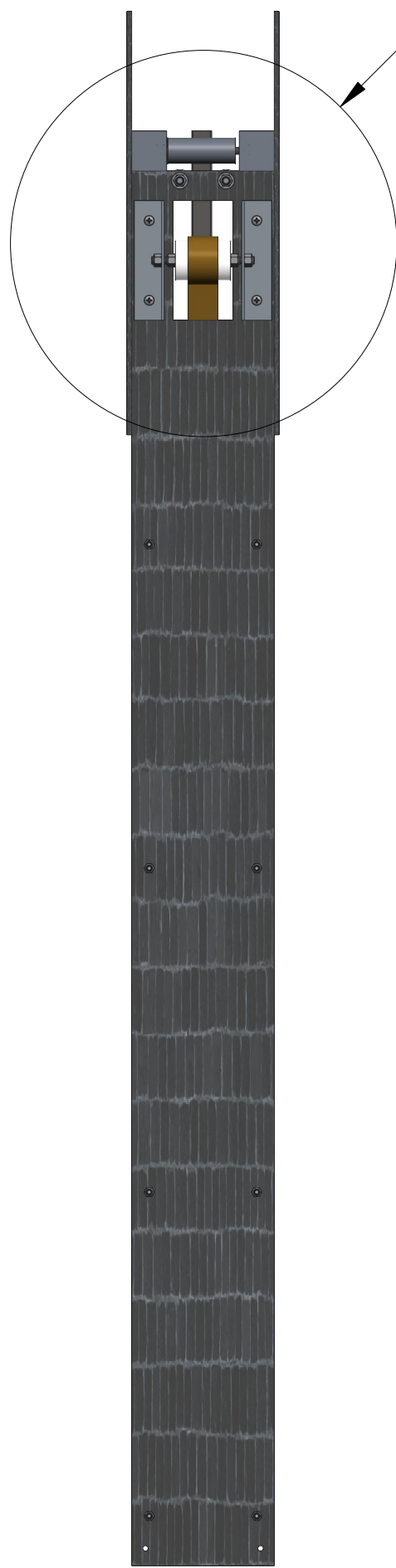
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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 9:64	
TITLE Portcullis, Upper Assembly			
PROJECT		MODEL NAME GE-16195	ISSUE



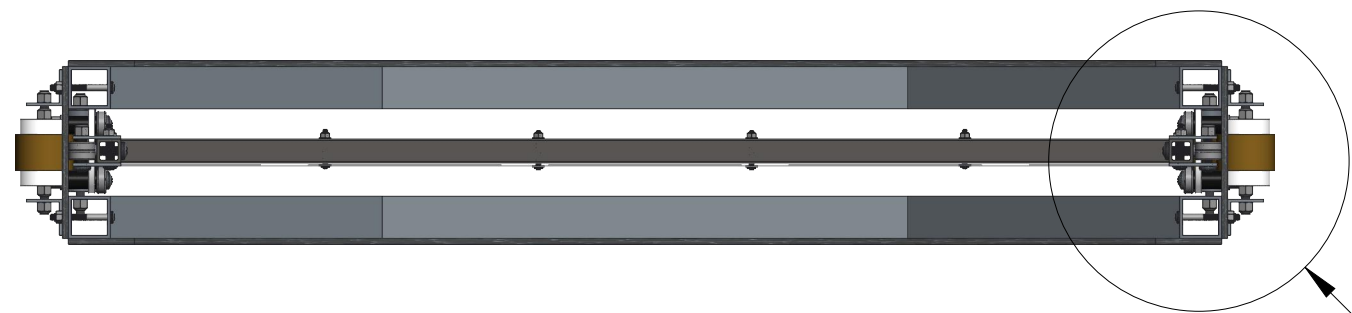
SEE DETAIL A



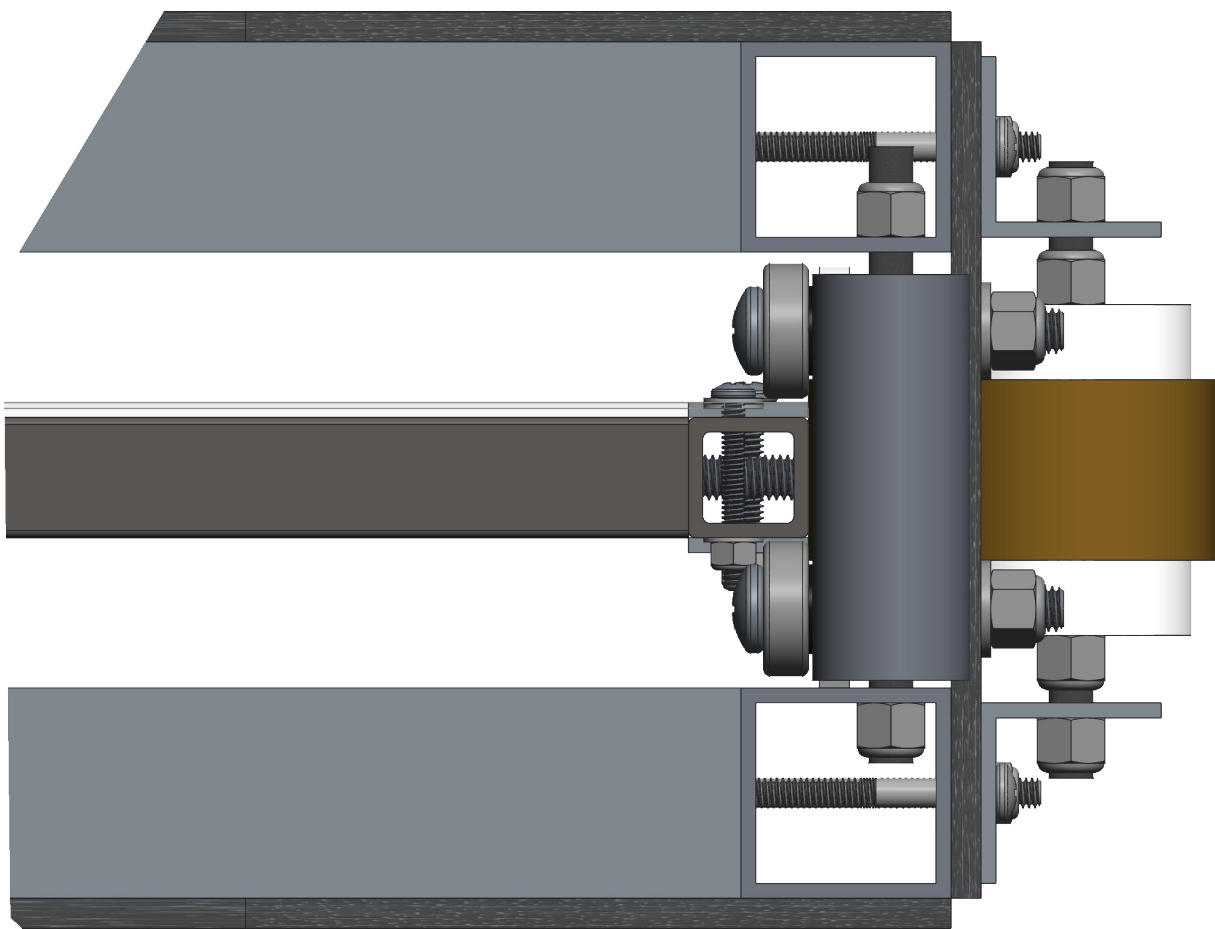
SEE DETAIL B



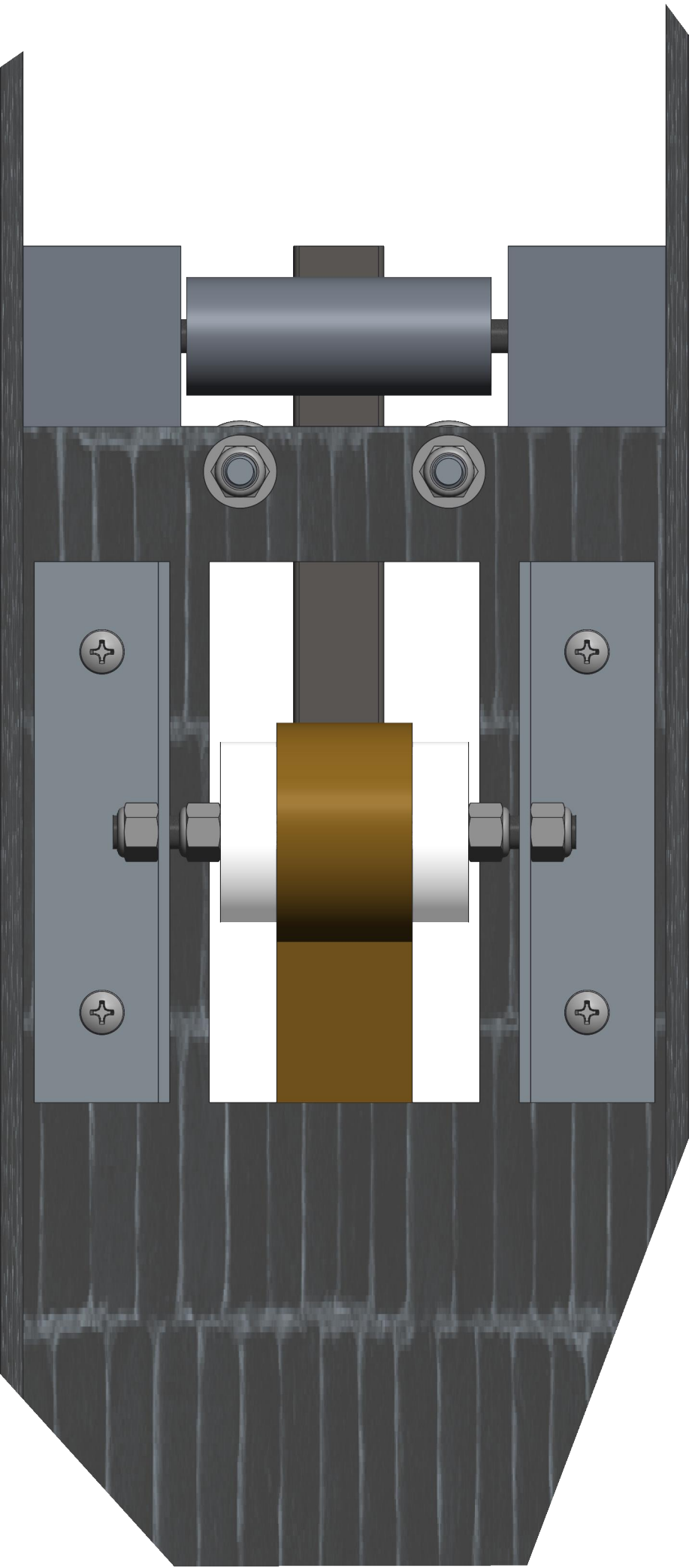
SEE DETAIL C



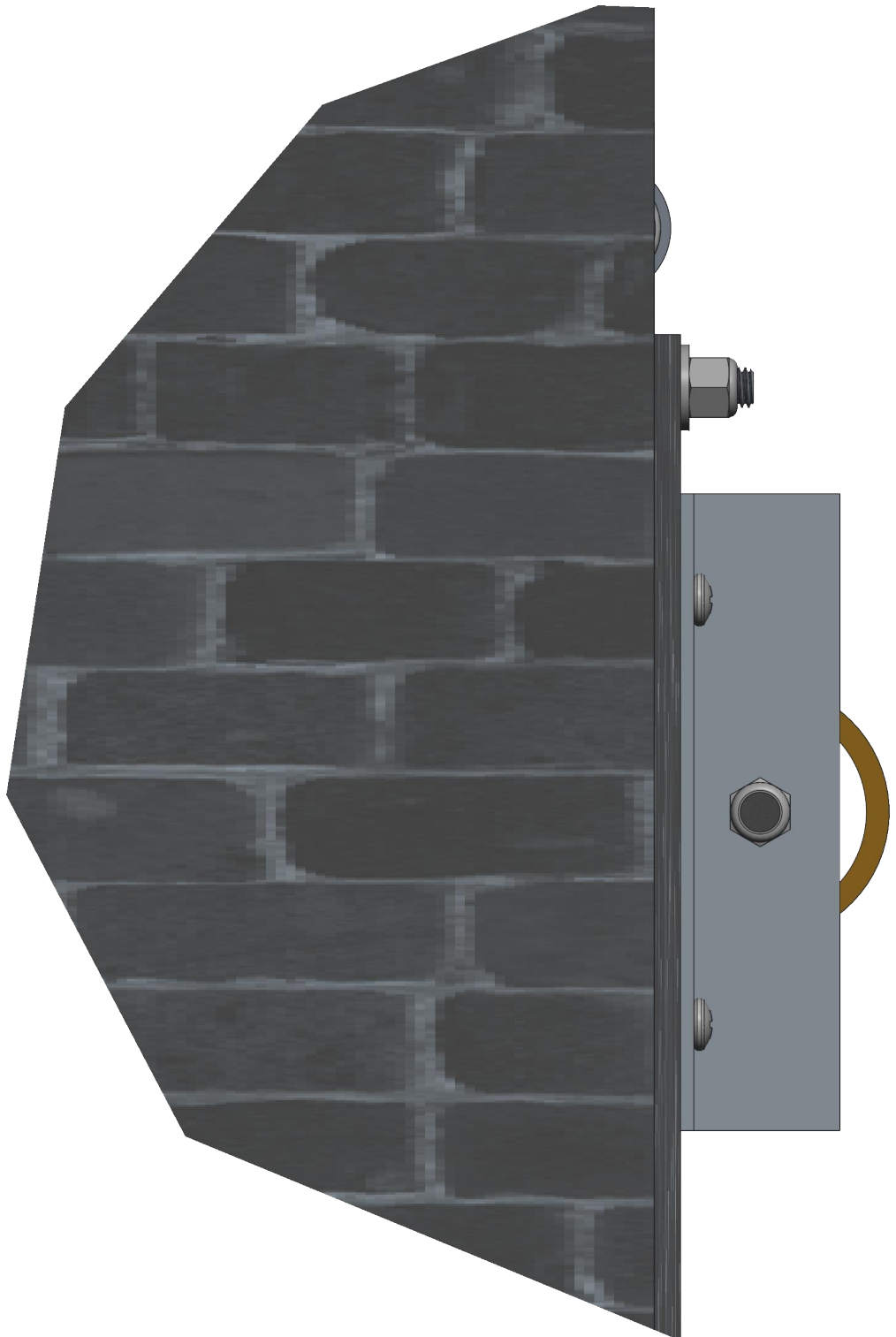
SEE DETAIL D



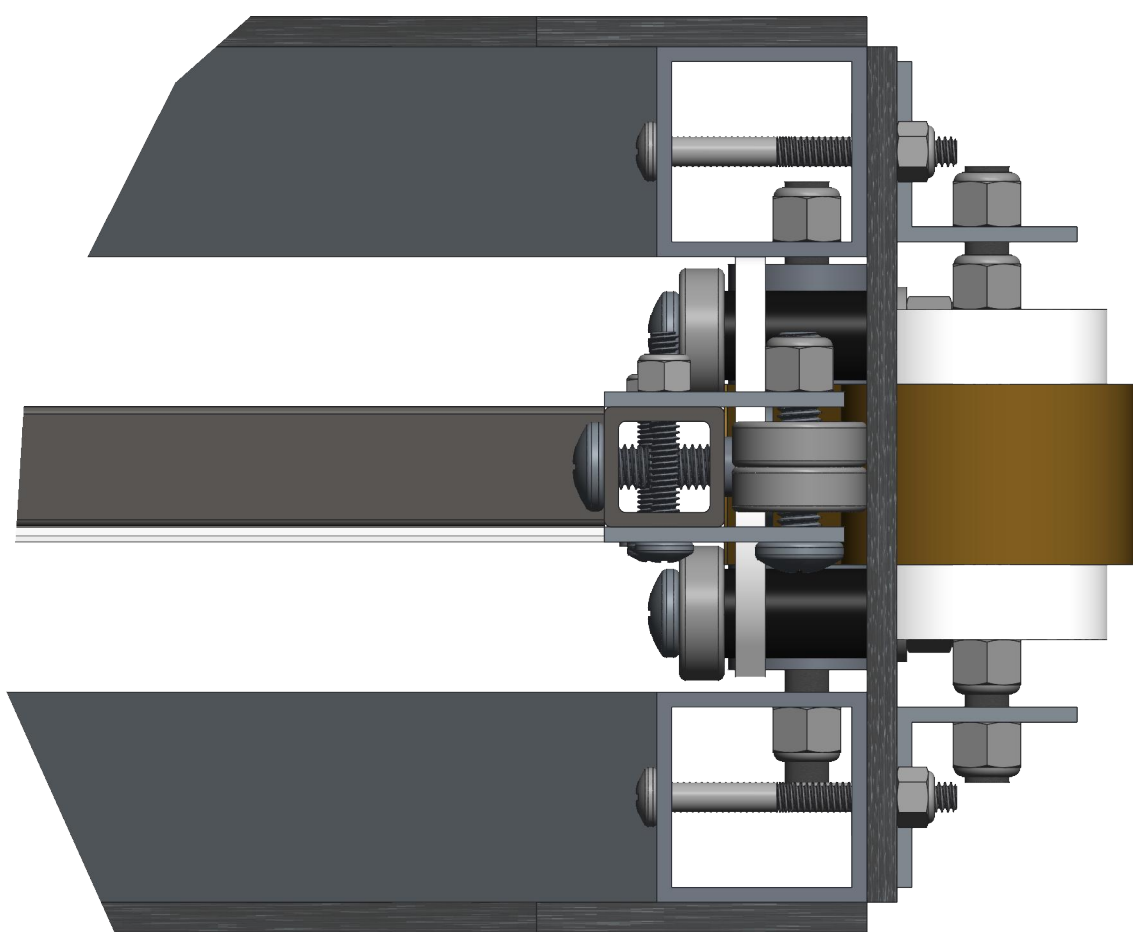
DETAIL A
SCALE 5:8
TOP



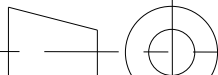

DETAIL C
SCALE 5:8
SIDE

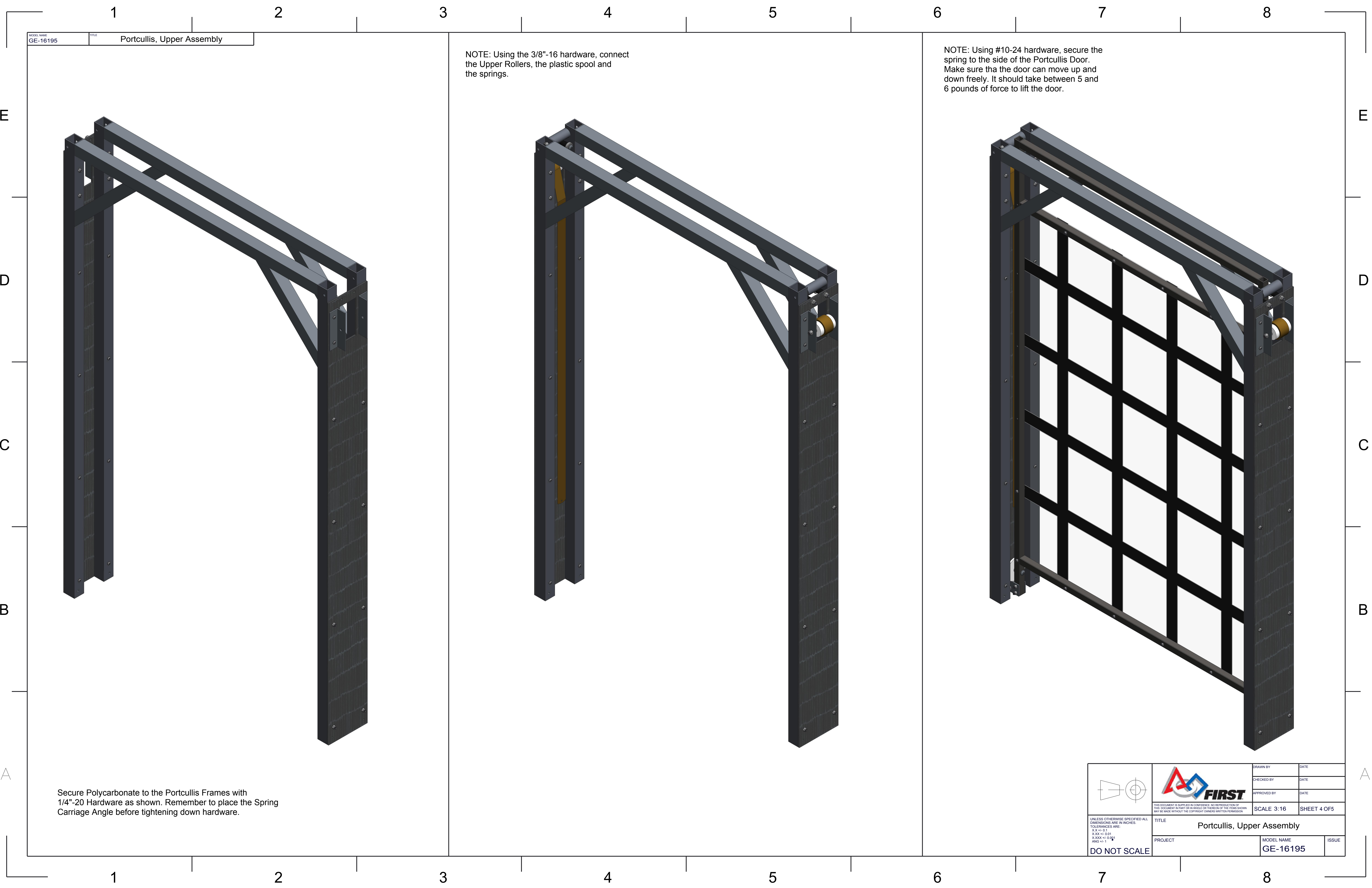


DETAIL B
SCALE 5:8
FRONT



DETAIL D
SCALE 5:8
BOTTOM

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		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 3:16	SHEET 3 OF 5
TITLE Portcullis, Upper Assembly			
PROJECT	MODEL NAME GE-16195		ISSUE



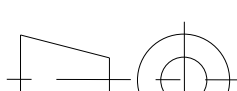

MODEL NAME
GE-16195

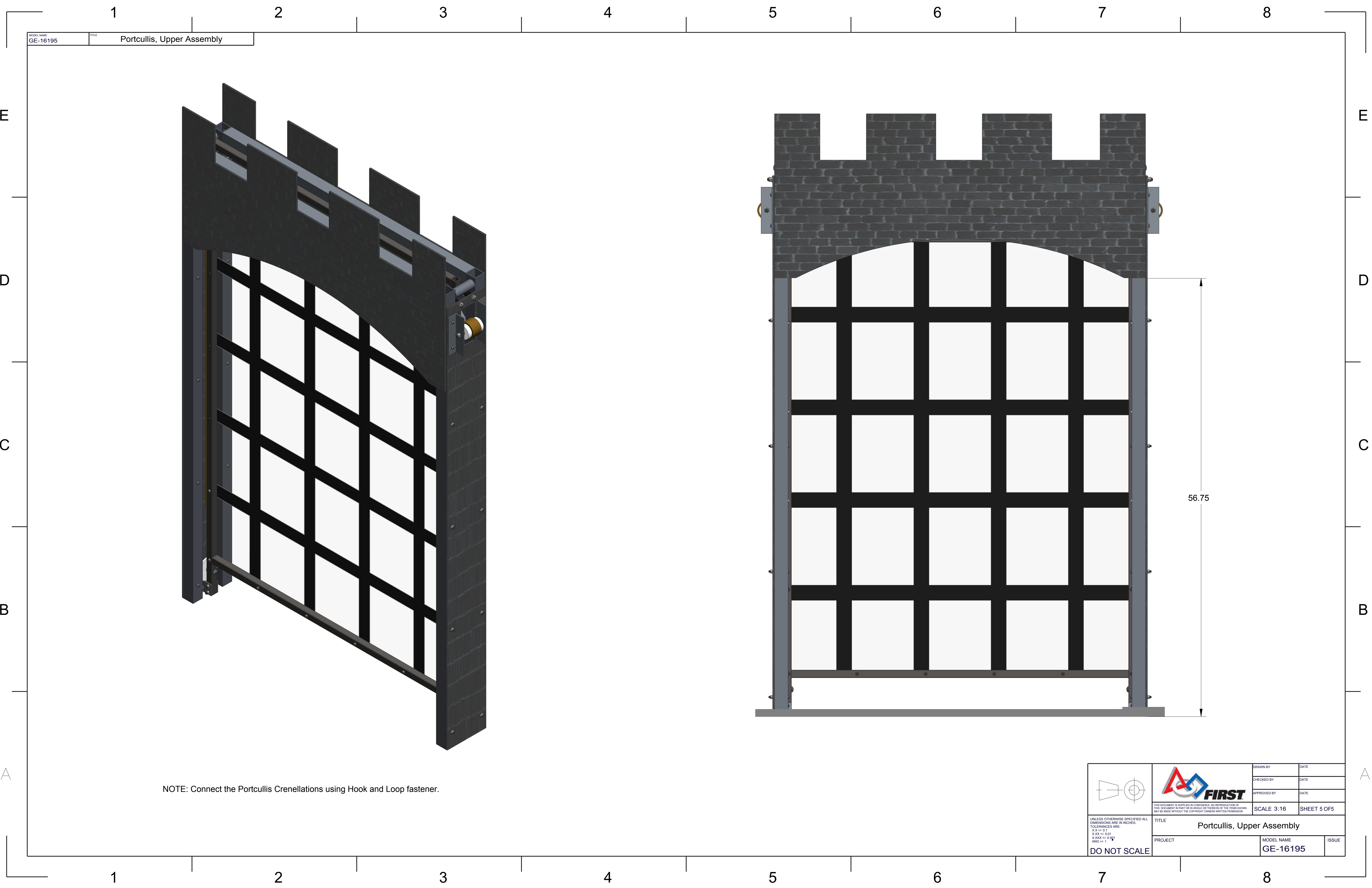
TITLE
Portcullis, Upper Assembly

NOTE: Using the 3/8"-16 hardware, connect the Upper Rollers, the plastic spool and the springs.


NOTE: Using #10-24 hardware, secure the spring to the side of the Portcullis Door. Make sure tha the door can move up and down freely. It should take between 5 and 6 pounds of force to lift the door.

Secure Polycarbonate to the Portcullis Frames with 1/4"-20 Hardware as shown. Remember to place the Spring Carriage Angle before tightening down hardware.

 <div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X < .01 XX < .001 X.XXX < 0.001 ANG < 1</div> <div>DO NOT SCALE</div>	 <div>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION</div>	DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
		SCALE 3:16	SHEET 4 OF 5
TITLE Portcullis, Upper Assembly			
PROJECT		MODEL NAME GE-16195	ISSUE



NOTE: Connect the Portcullis Crenellations using Hook and Loop fastener.

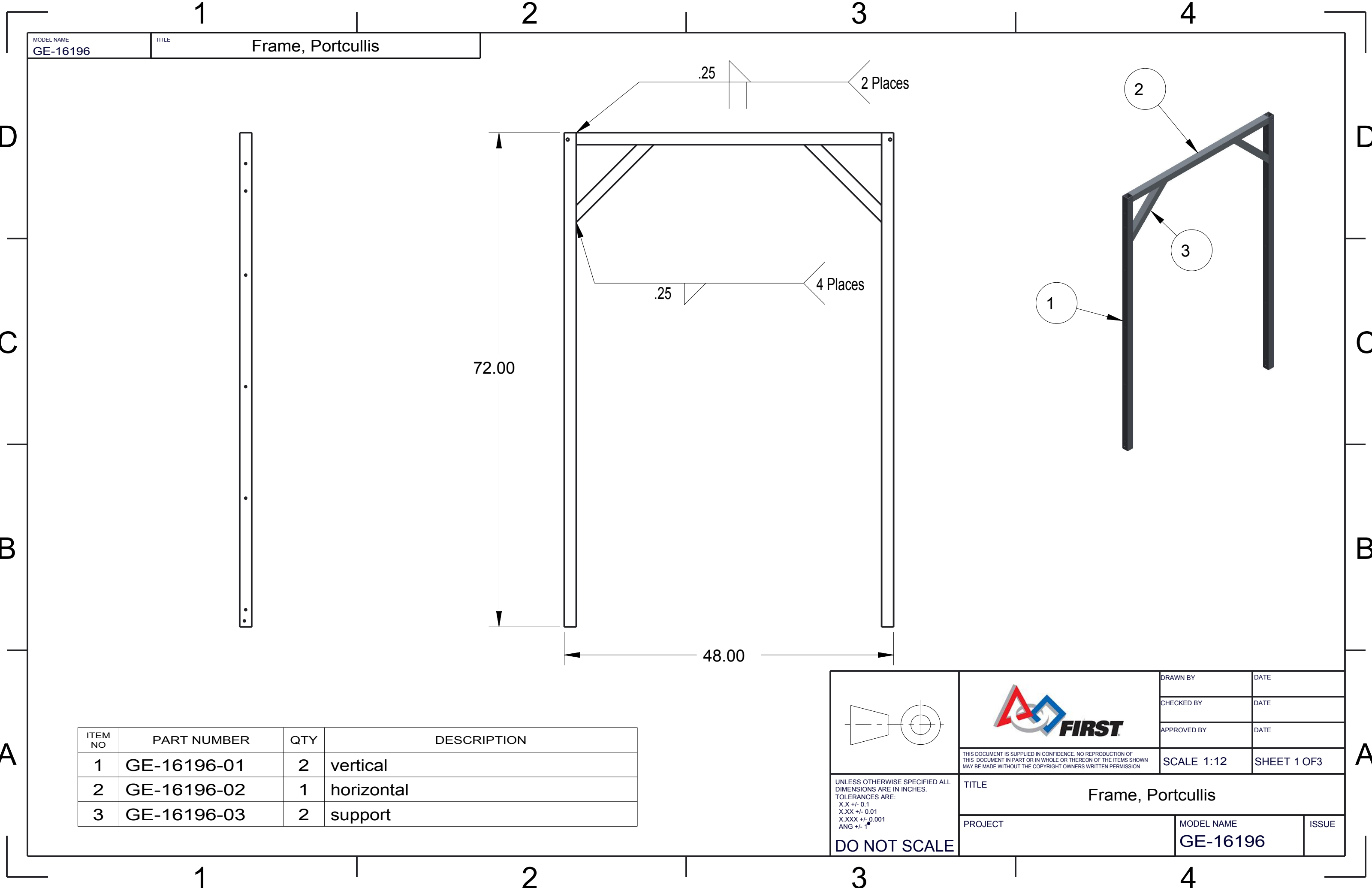


UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
XXX ±0.01
X.XXX ±0.001
ANG ±1

DO NOT SCALE

TITLE Portcullis, Upper Assembly	
PROJECT	ISSUE
GE-16195	


DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 3:16	
SHEET 5 OF 5	



MODEL NAME
GE-16196

TITLE
Frame, Portcullis

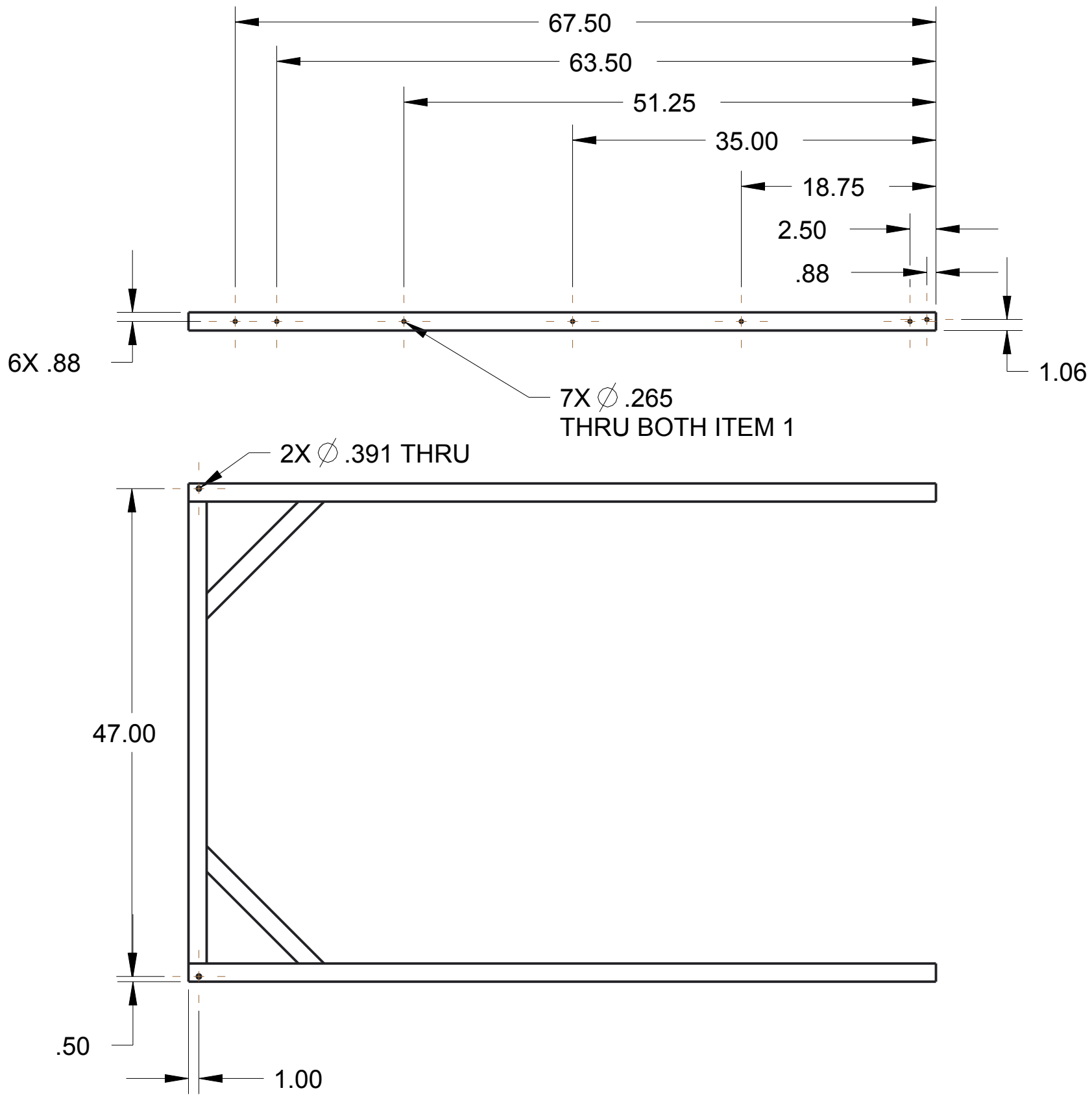
ITEM NO	PART NUMBER	QTY	DESCRIPTION
1	GE-16196-01	2	vertical
2	GE-16196-02	1	horizontal
3	GE-16196-03	2	support




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DO NOT SCALE

DRAWN BY	DATE	
CHECKED BY	DATE	
APPROVED BY	DATE	
TITLE Frame, Portcullis		
PROJECT	MODEL NAME GE-16196	ISSUE

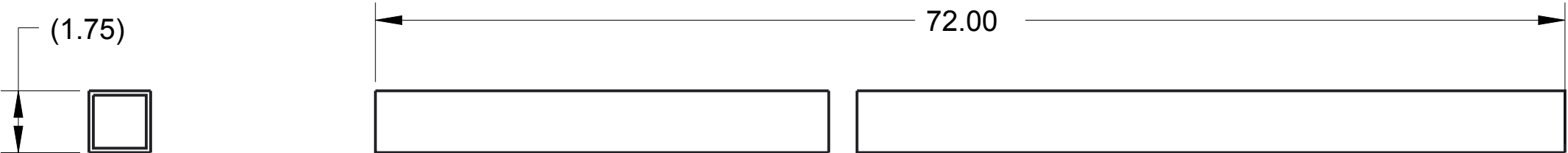




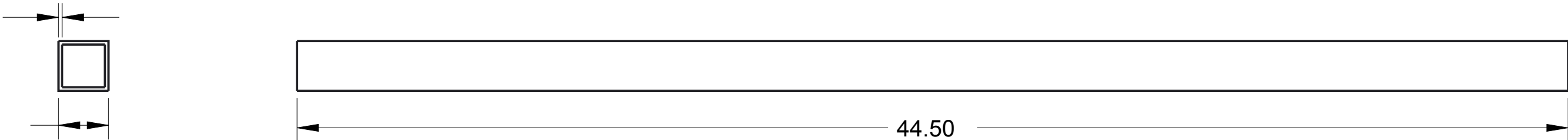
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SCALE 1:12	SHEET 2 OF 3

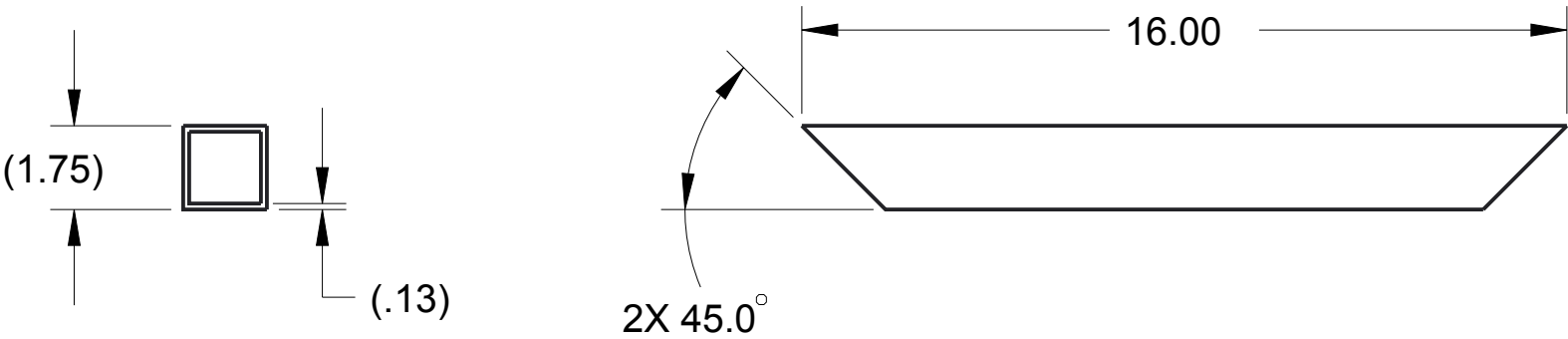
TITLE		Frame, Portcullis	
PROJECT		MODEL NAME	ISSUE
DO NOT SCALE		GE-16196	



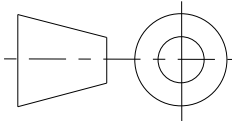
ITEM 1: VERTICAL
MATERIAL: 1.75" X .125" SQUARE TUBING, 6063 ALUMINUM
QTY: 2



ITEM 2: HORIZONTAL
MATERIAL: 1.75" X .125" SQUARE TUBING, 6063 ALUMINUM
QTY: 1



ITEM 3: SUPPORT
MATERIAL: 1.75" X .125" SQUARE TUBING, 6063 ALUMINUM
QTY: 2



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DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- .1°

DO NOT SCALE



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TITLE
Frame, Portcullis

PROJECT

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

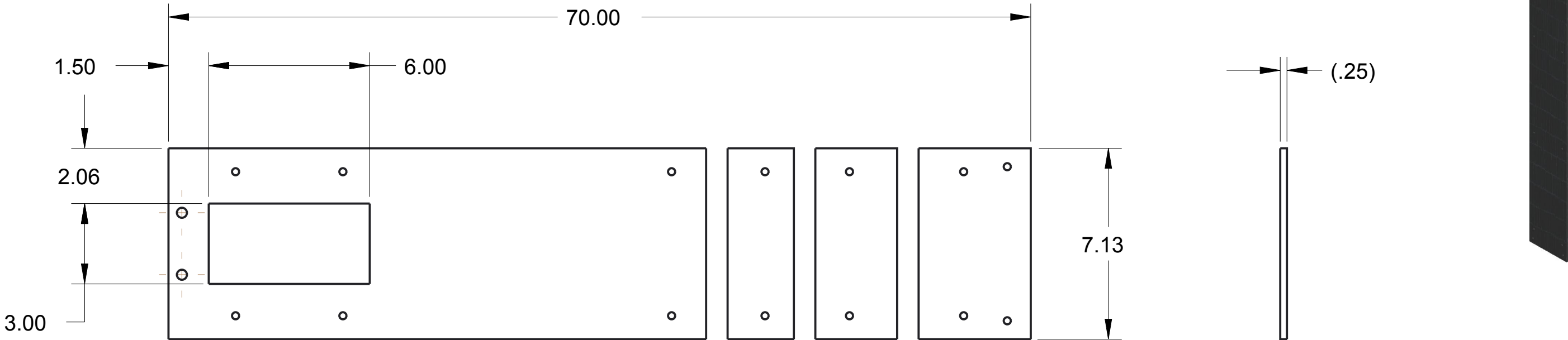
DATE

SCALE 1:12


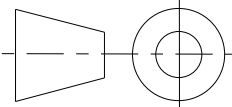
SHEET 3 OF3

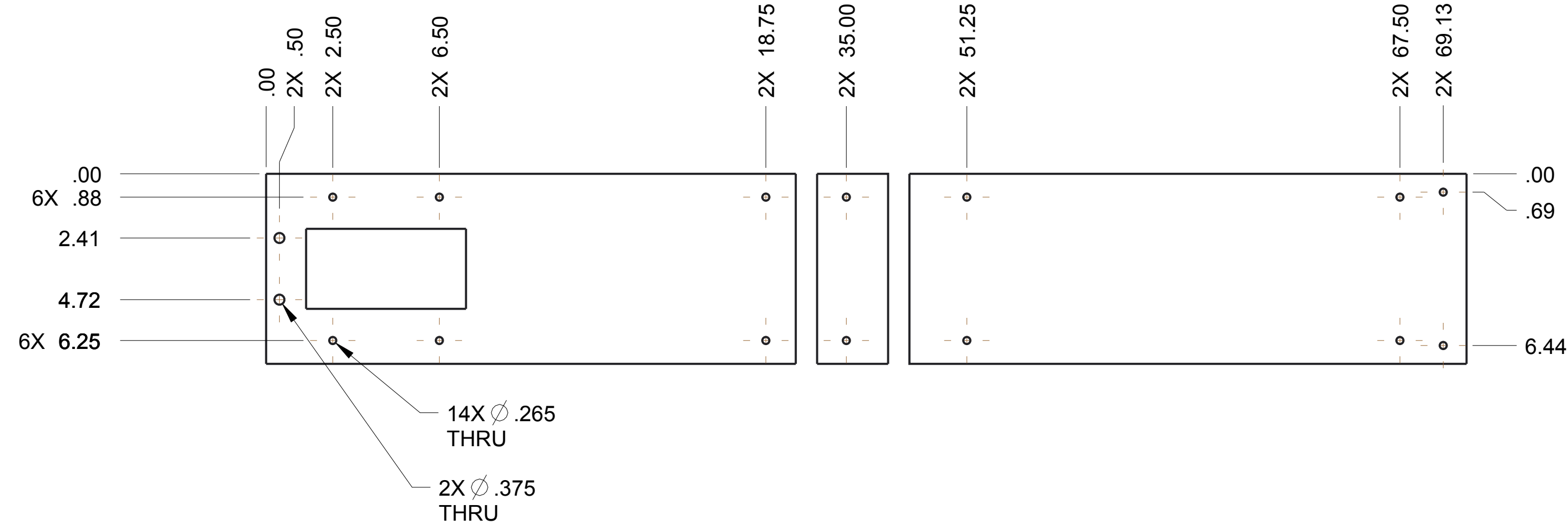
MODEL NAME
GE-16196

ISSUE

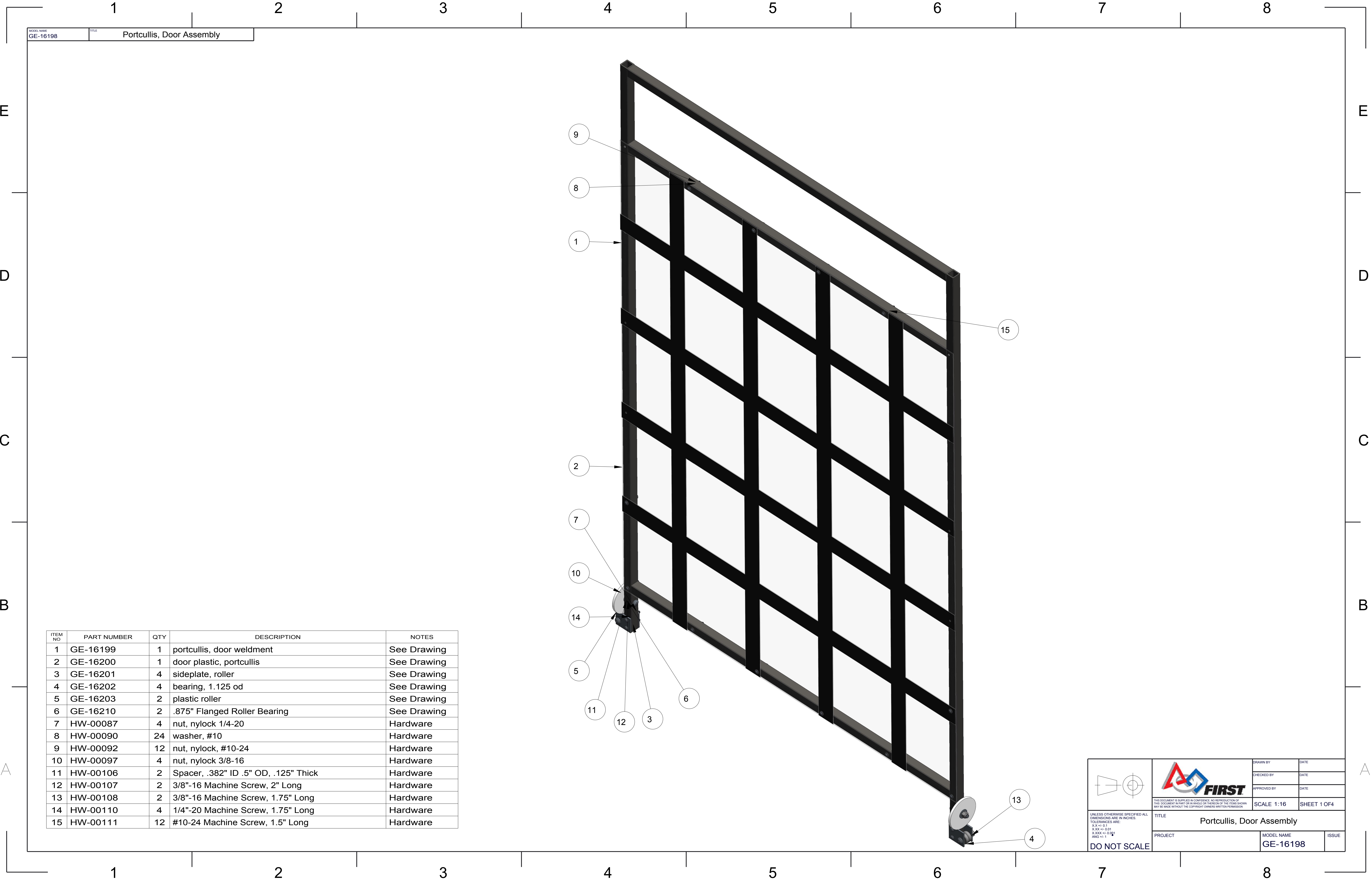


Notes:
1. Material: 1/4" clear polycarbonate
2. Print to look like rock wall.
3. Remove all burrs and sharp edges.

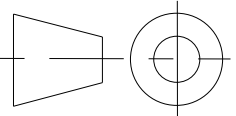
 <small>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREON OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION</small>	DRAWN BY	DATE
	CHECKED BY	DATE
	APPROVED BY	DATE
	SCALE 13:192	SHEET 1 OF2
 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</small> DO NOT SCALE	TITLE Side Plastic, Portcullis	
	PROJECT	MODEL NAME GE-16197
		ISSUE



<div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</div> <div>DO NOT SCALE</div>		DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
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TITLE Side Plastic, Portcullis			
PROJECT		MODEL NAME GE-16197	ISSUE




ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16199	1	portcullis, door weldment	See Drawing
2	GE-16200	1	door plastic, portcullis	See Drawing
3	GE-16201	4	sideplate, roller	See Drawing
4	GE-16202	4	bearing, 1.125 od	See Drawing
5	GE-16203	2	plastic roller	See Drawing
6	GE-16210	2	.875" Flanged Roller Bearing	See Drawing
7	HW-00087	4	nut, nylock 1/4-20	Hardware
8	HW-00090	24	washer, #10	Hardware
9	HW-00092	12	nut, nylock, #10-24	Hardware
10	HW-00097	4	nut, nylock 3/8-16	Hardware
11	HW-00106	2	Spacer, .382" ID .5" OD, .125" Thick	Hardware
12	HW-00107	2	3/8"-16 Machine Screw, 2" Long	Hardware
13	HW-00108	2	3/8"-16 Machine Screw, 1.75" Long	Hardware
14	HW-00110	4	1/4"-20 Machine Screw, 1.75" Long	Hardware
15	HW-00111	12	#10-24 Machine Screw, 1.5" Long	Hardware



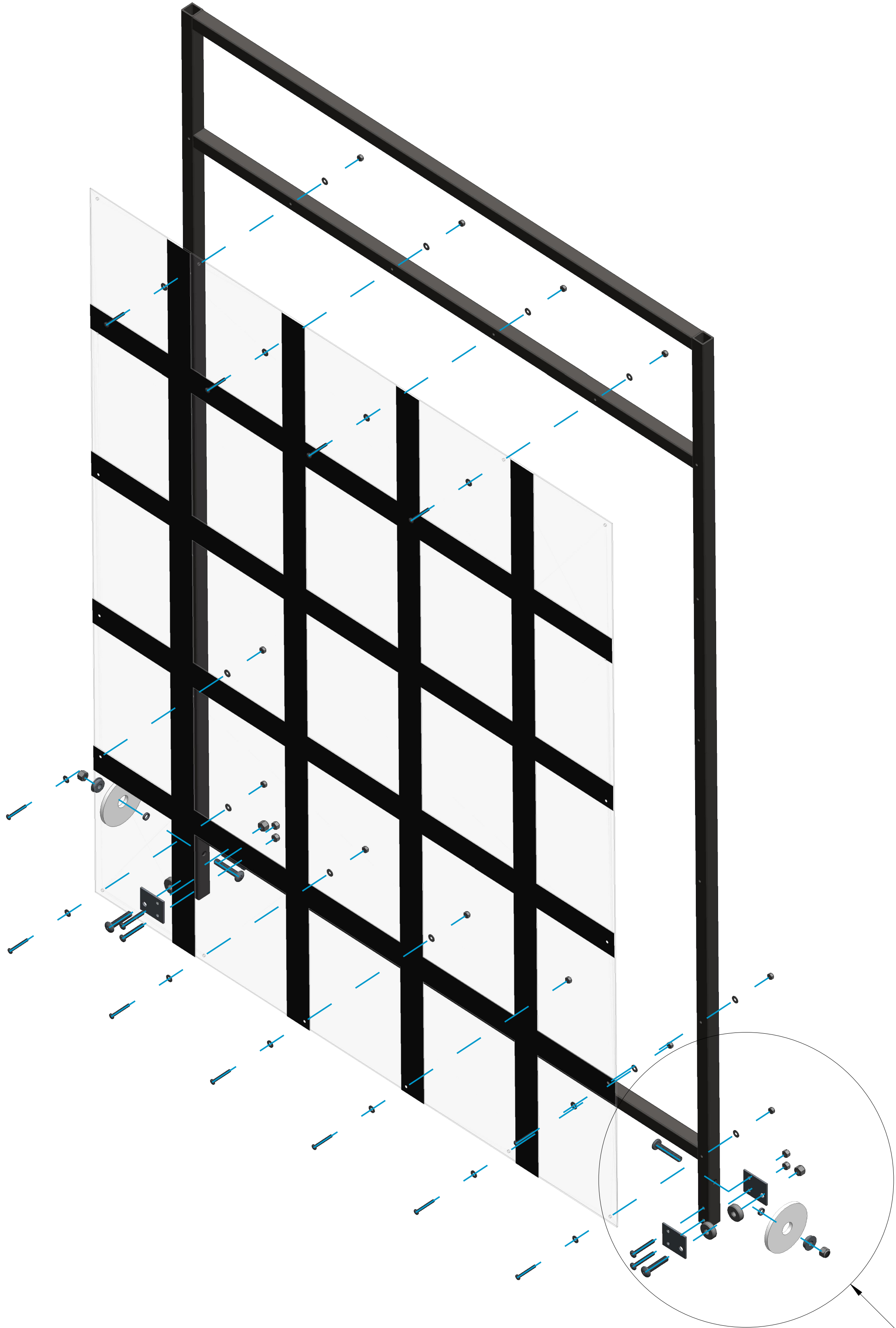
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

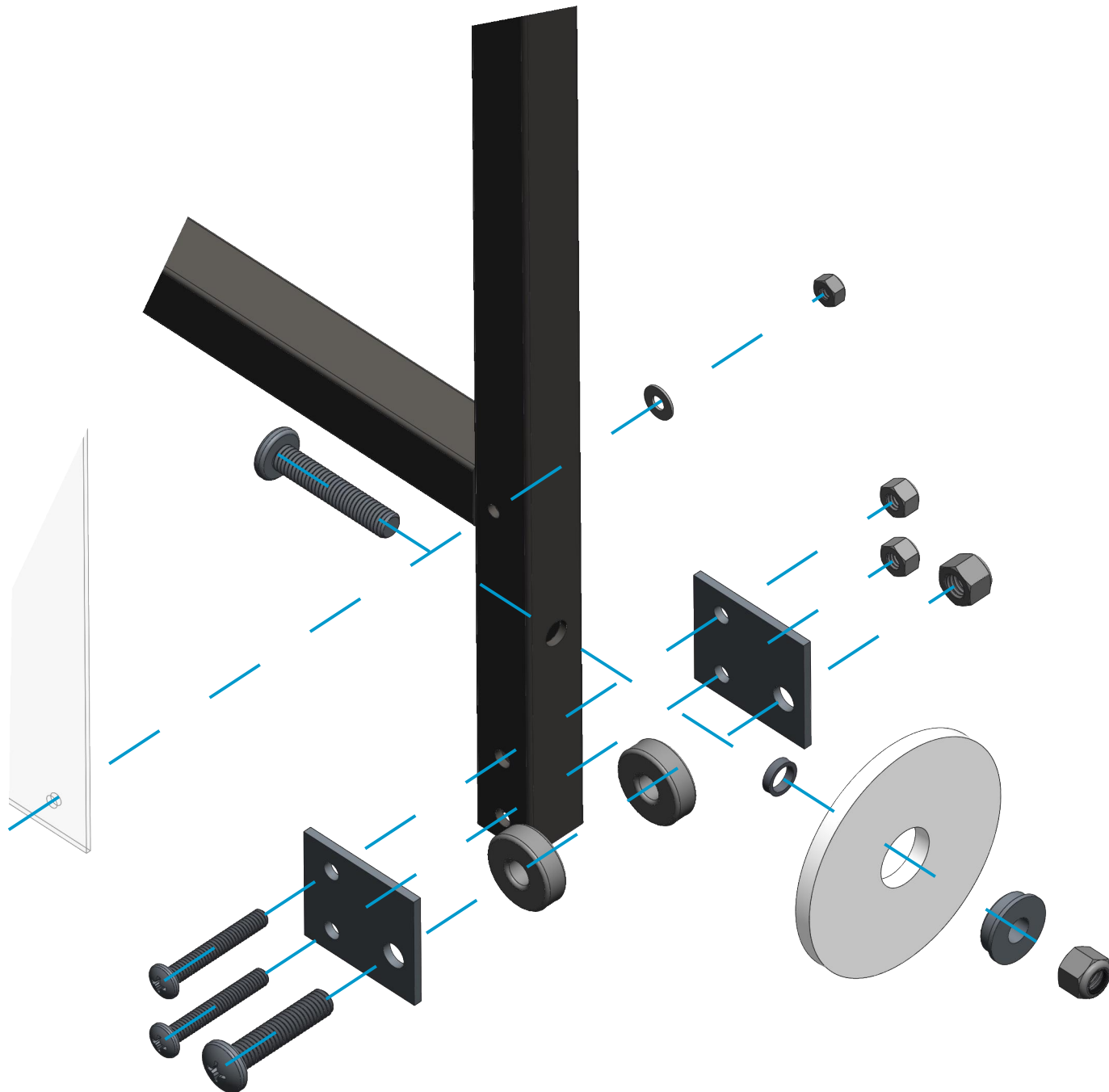


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DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:16 SHEET 1 OF 4	
TITLE Portcullis, Door Assembly	
PROJECT	MODEL NAME GE-16198
ISSUE	



SEE DETAIL A



DETAIL A
SCALE 1:2



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DATE

DATE

DATE

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X.XX +/- 0.1
X.XXX +/- 0.01
ANG +/- 1



DO NOT SCALE

TITLE

Portcullis, Door Assembly

PROJECT

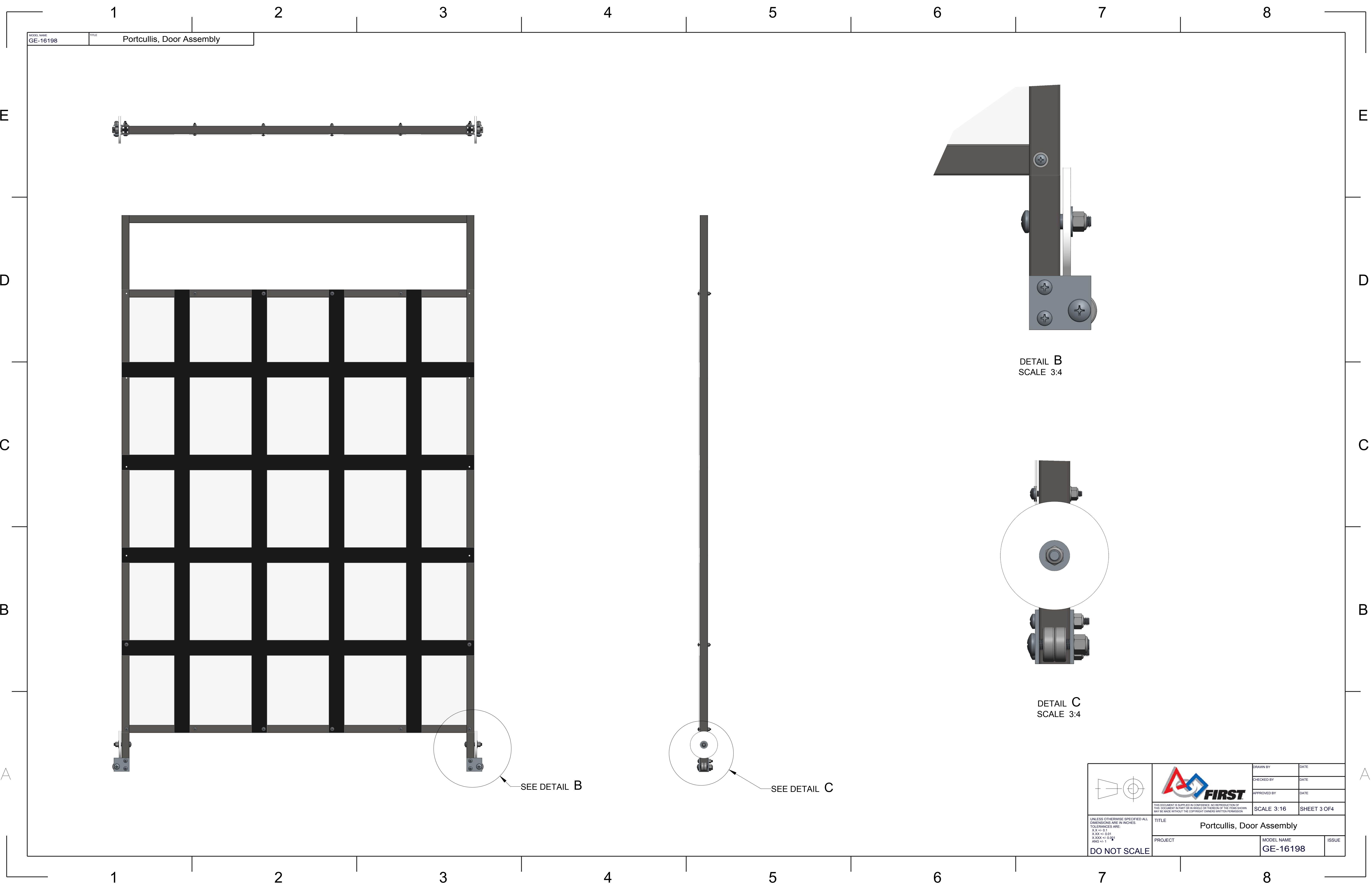
MODEL NAME

ISSUE

SCALE 7:32

SHEET 2 OF 4

GE-16198



MODEL NAME
GE-16198

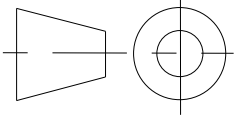

TITLE
Portcullis, Door Assembly

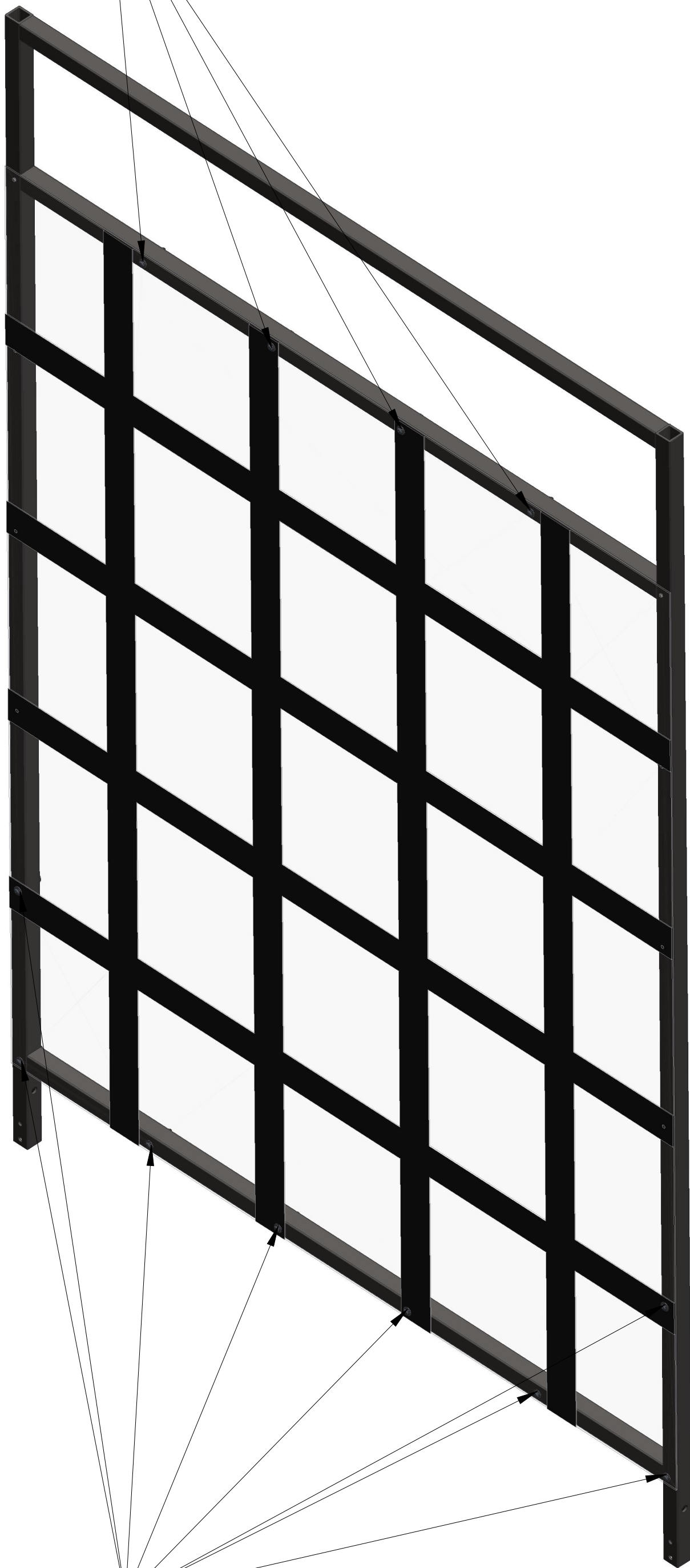
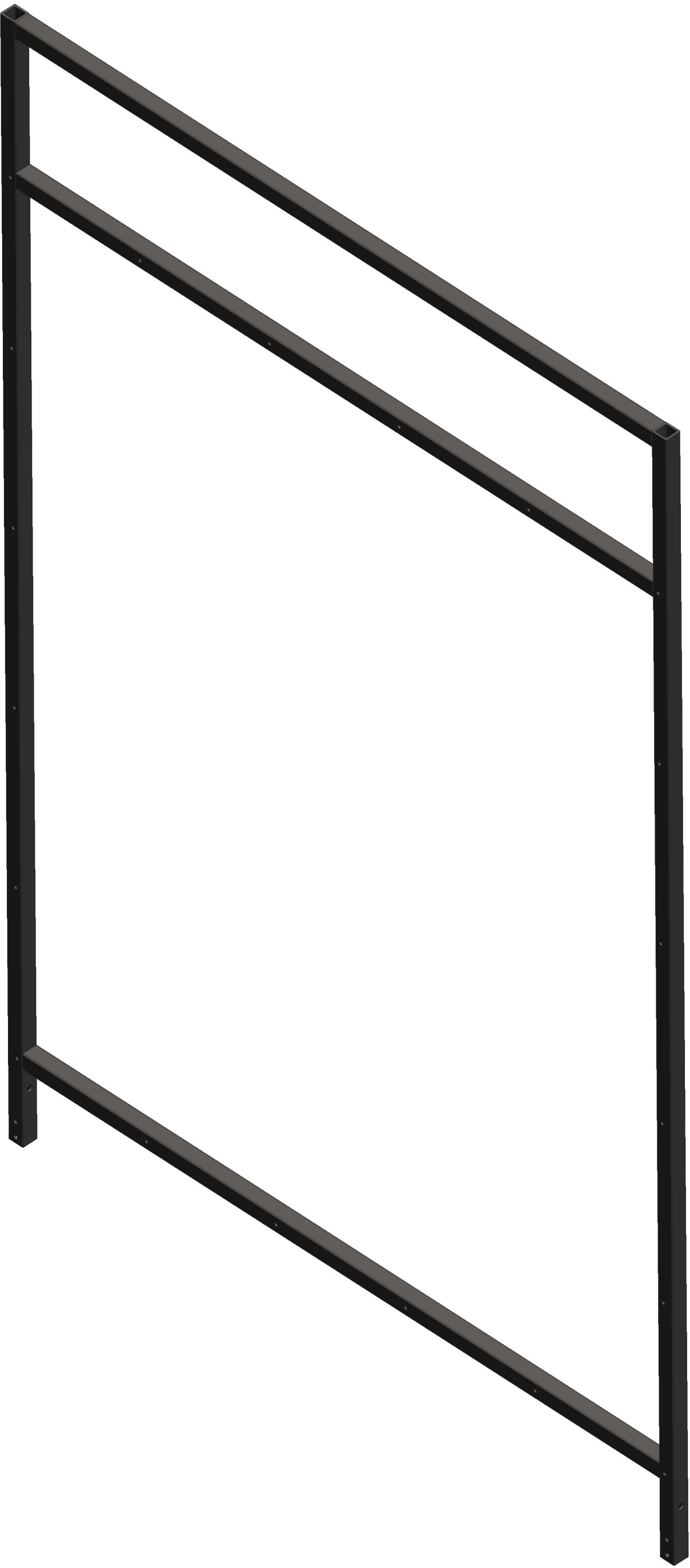
DETAIL B
SCALE 3:4

DETAIL C
SCALE 3:4

SEE DETAIL B

SEE DETAIL C

 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. X.XX +/- 0.1 X.XXX +/- 0.01 ANG +/- 1 DO NOT SCALE</small>		DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
	TITLE Portcullis, Door Assembly		SCALE 3:16
PROJECT		MODEL NAME GE-16198	ISSUE




NOTE: Connect Portcullis Polycarb using #10-24 Hardware in the four (4) center holes along the top rail.

NOTE: Secure the bottom of the Portcullis Polycarbonate using #10-24 hardware.

NOTE: Secure the rest of the Polycarbonate with 3/16" Aluminum rivets.

NOTE: Secure the bottom rollers using the 3/8"-16 and 1/4"-20 Hardware. Be sure that all bearings roll smoothly after mounting them.



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DATE

DATE

DATE

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XXX ±0.01
X.XXX ±0.001
ANG ±1

DO NOT SCALE

TITLE

Portcullis, Door Assembly

PROJECT

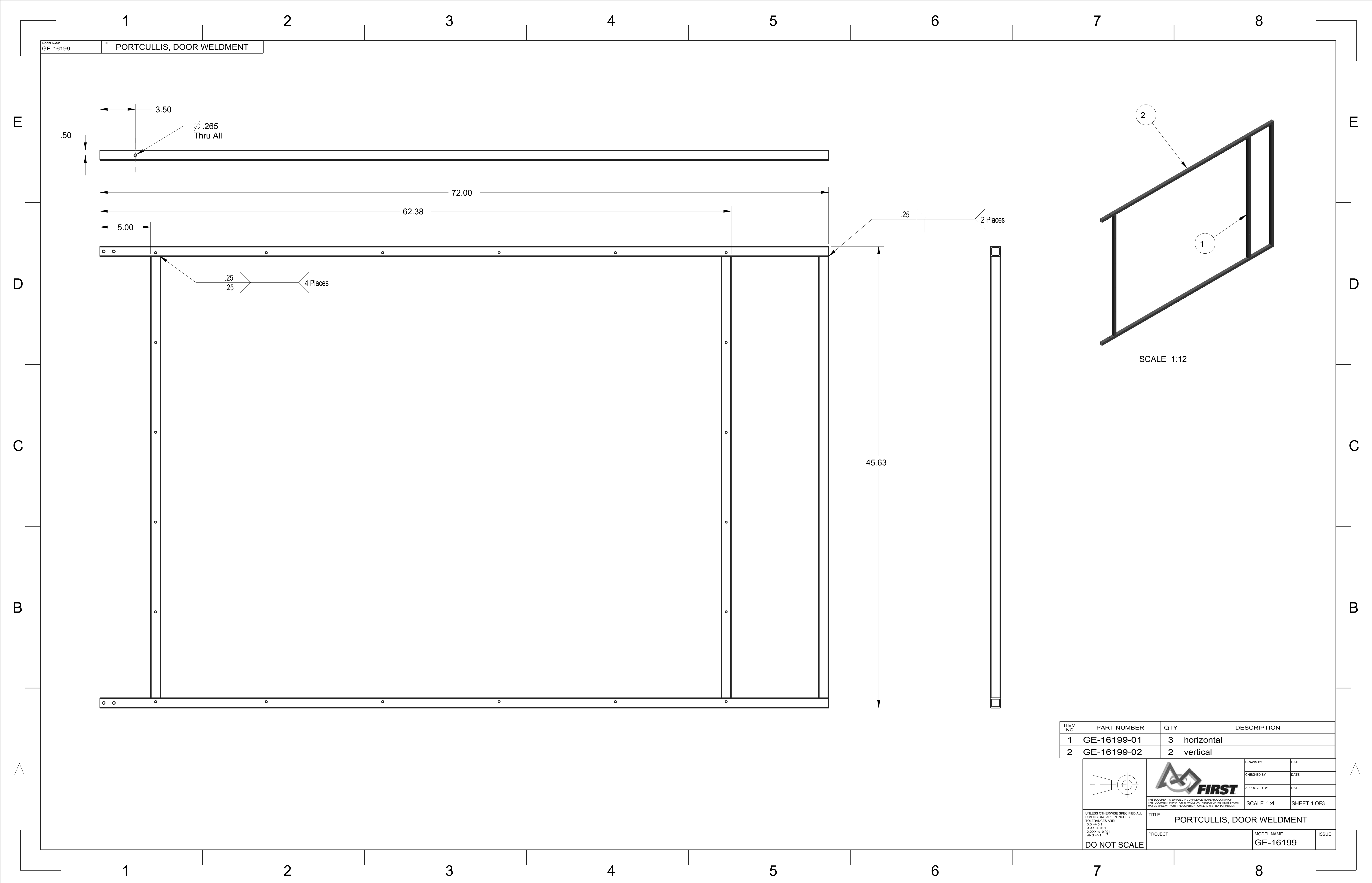
MODEL NAME

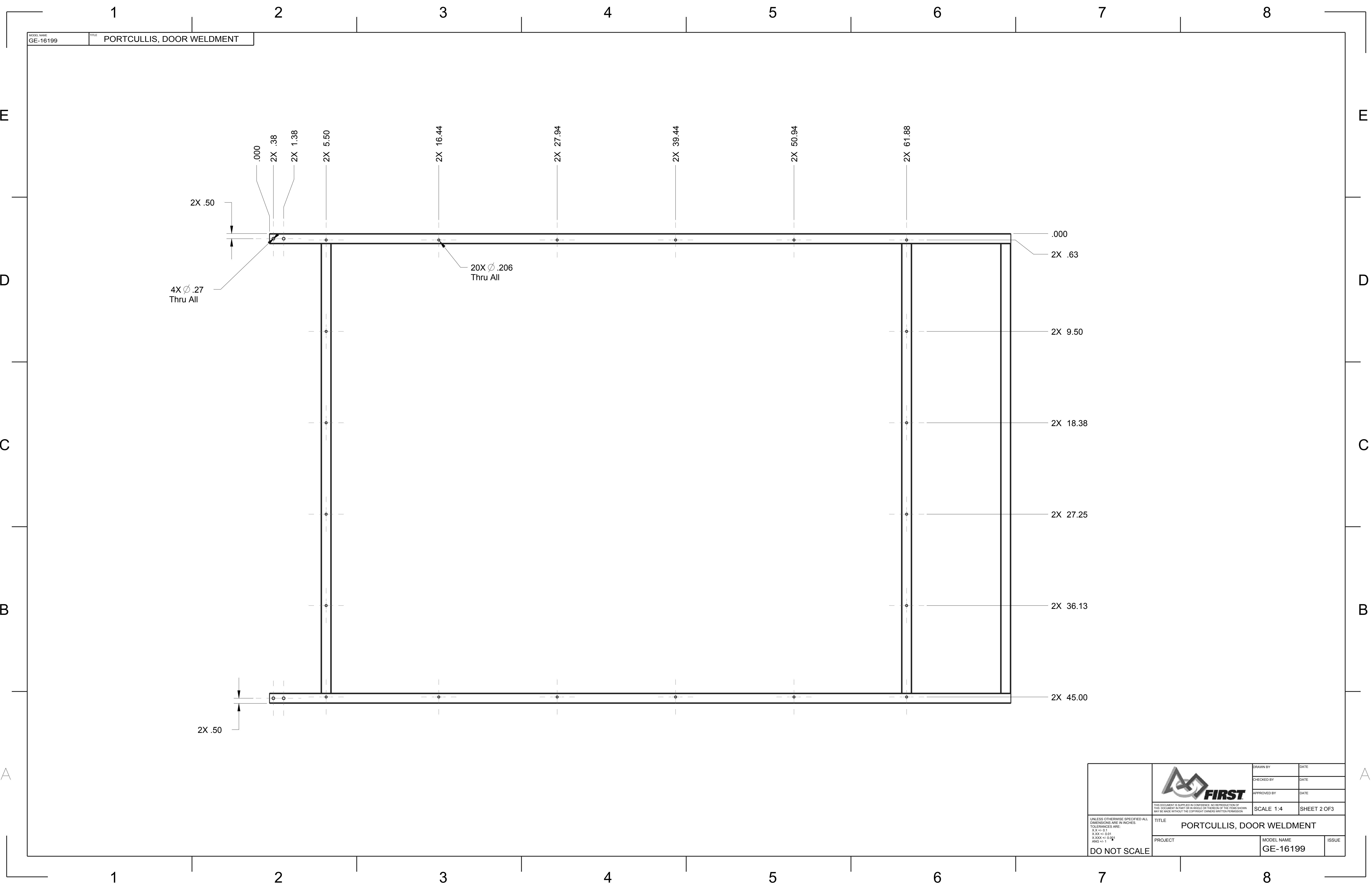
ISSUE

SCALE 3:16

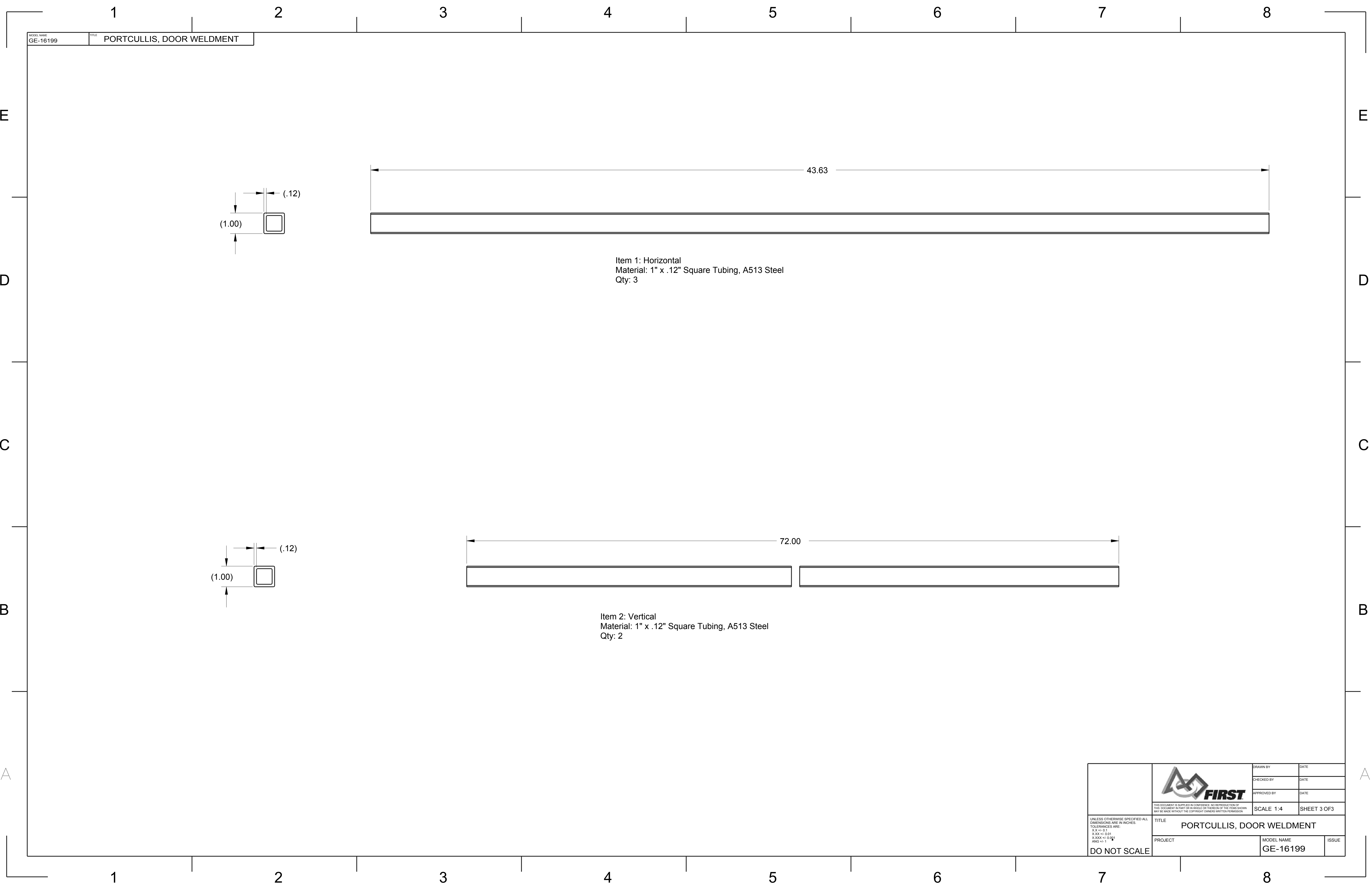
SHEET 4 OF 4

GE-16198





MODEL NAME GE-16199		TITLE PORTCULLIS, DOOR WELDMENT	
DRAWN BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. X.XX +/- 0.1 X.XXX +/- 0.01 ANG +/- 1		SCALE 1:4 SHEET 2 OF 3	
DO NOT SCALE		TITLE PORTCULLIS, DOOR WELDMENT	
PROJECT		MODEL NAME GE-16199	
		ISSUE	



MODEL NAME
GE-16199

TITLE
PORTCULLIS, DOOR WELDMENT



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APPROVED BY	DATE

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SCALE 1:4

SHEET 3 OF 3

TITLE
PORTCULLIS, DOOR WELDMENT

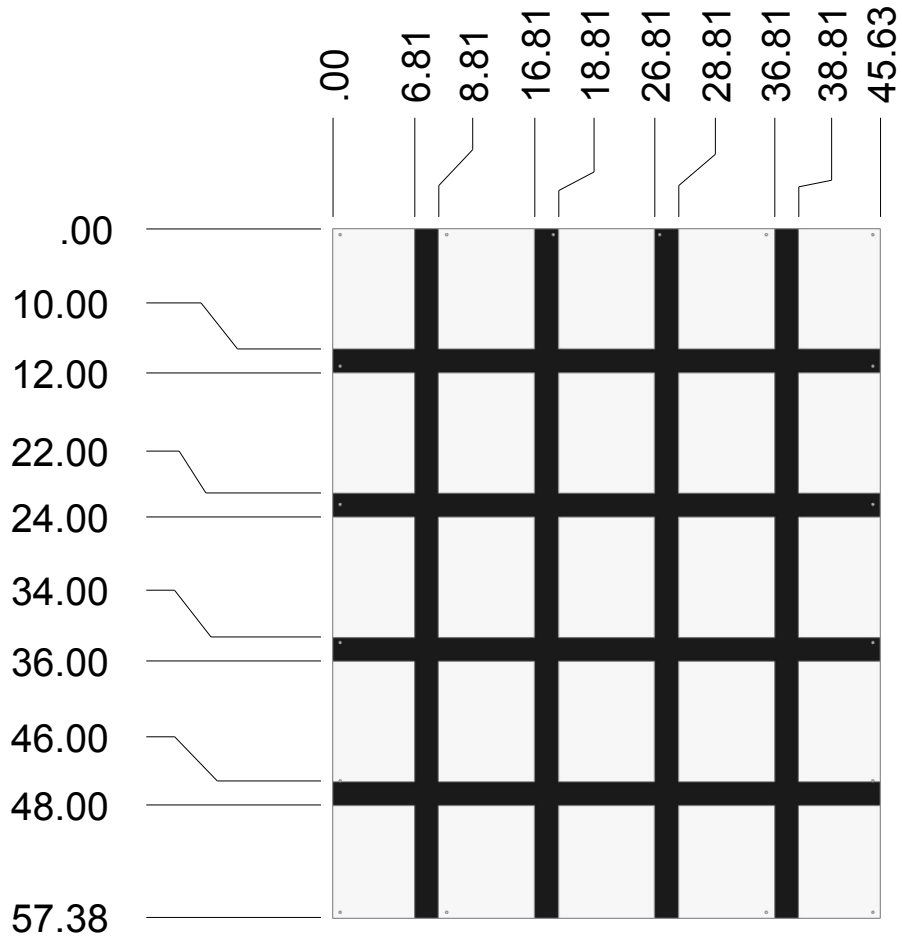
PROJECT

MODEL NAME
GE-16199


ISSUE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE



- Notes:
- 1. Material: 1/8" Clear Polycarbonate
 - 2. Grid to be painted black on one side.



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TITLE

Door Plastic, Potcullis

PROJECT

MODEL NAME

GE-16200

ISSUE

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DATE

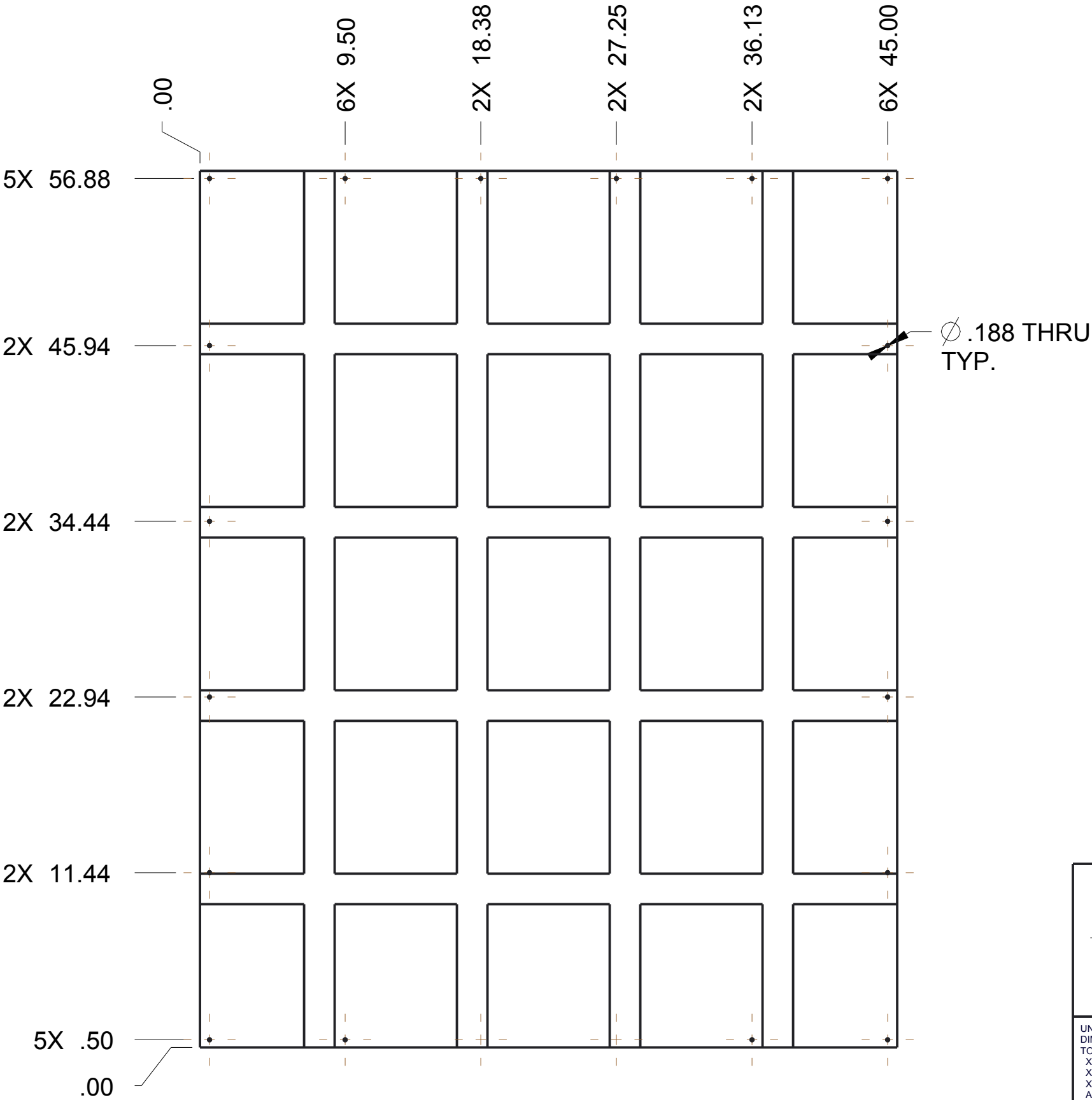
DATE


SCALE 1:16

SHEET 1 OF 2

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X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE





UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

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SCALE 1:8

SHEET 2 OF 2

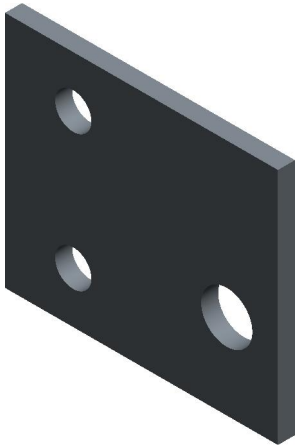
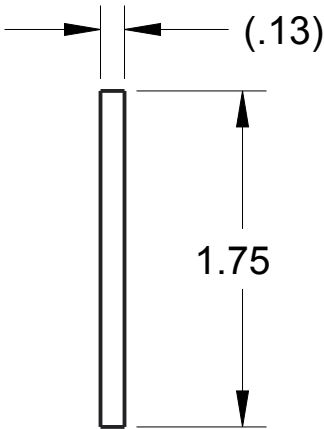
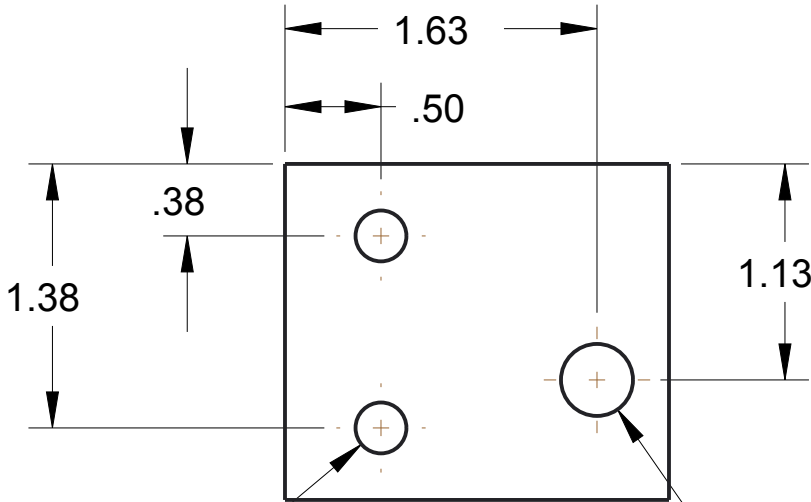
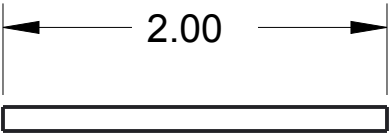
TITLE

Door Plastic, Potcullis

PROJECT

MODEL NAME
GE-16200

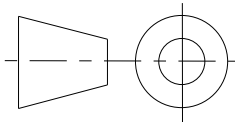
ISSUE



2X Ø .265
THRU

Ø .38
THRU

NOTES:
1. MATERIAL: 1/8" THICK ALUMINUM
2. REMOVE ALL BURRS AND SHARP EDGES.



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



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TITLE
SIDEPLATE, ROLLER

PROJECT

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SCALE 1:1	SHEET 1 OF 1

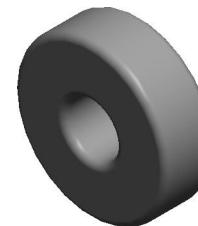
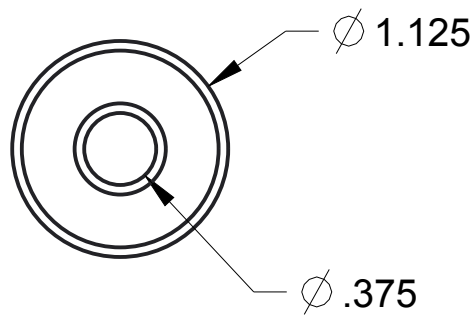
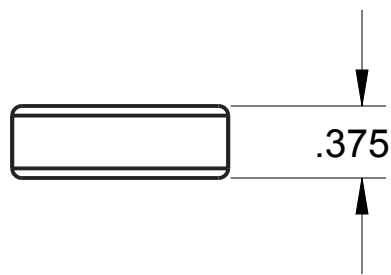
MODEL NAME
GE-16201

ISSUE

MODEL NAME
GE-16202


TITLE

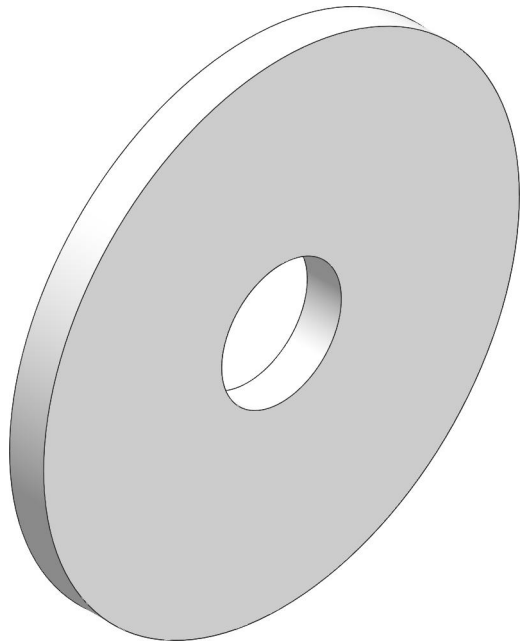
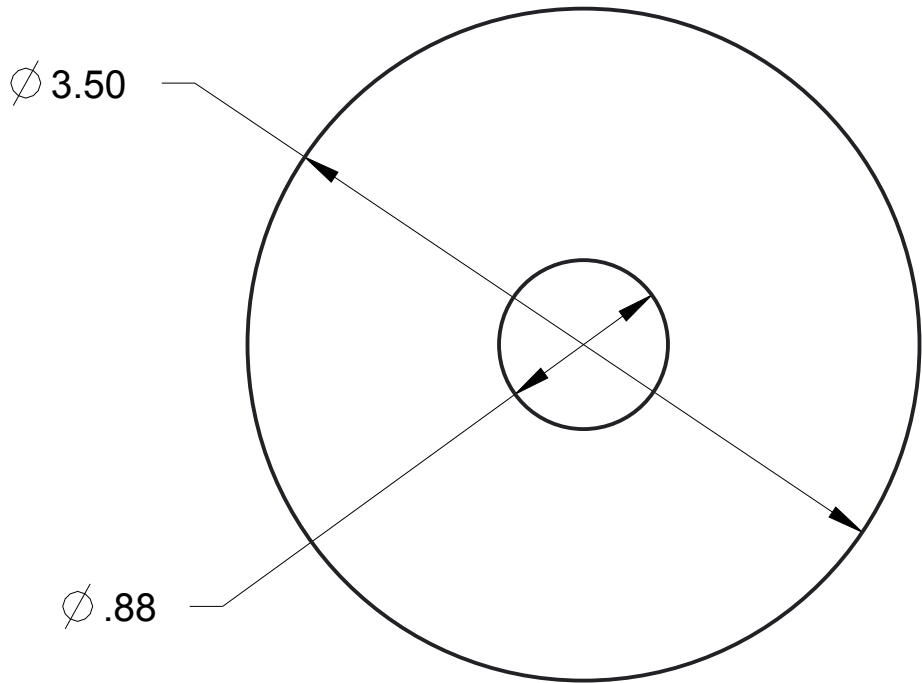
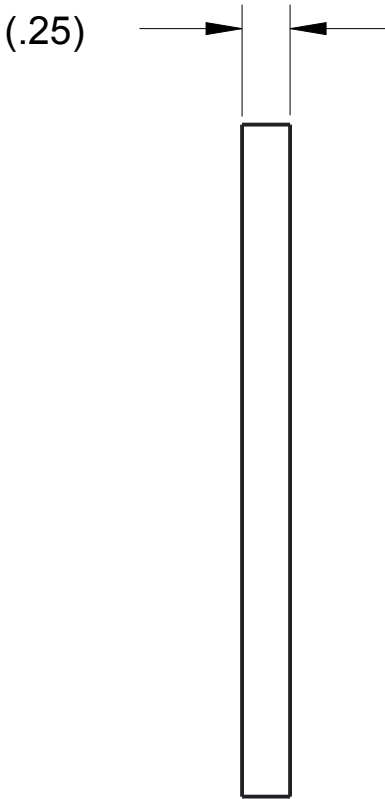
Bearing, 1.125" OD



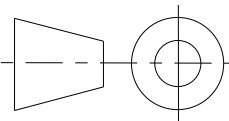

NOTES:

- BALL BEARING
- 2 SHIELDS
- COMMON INDUSTRY NUMBER: 1614ZZ

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	SCALE 1:1	SHEET 1 OF 1
<small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XXX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</small> DO NOT SCALE	TITLE Bearing, 1.125" OD	
	PROJECT	MODEL NAME GE-16202
		ISSUE



- NOTES:
- 1. MATERIAL: 1/4" NATURAL HDPE
 - 2. REMOVE ALL BURRS AND SHARPD EDGES

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TITLE PLASTIC ROLLER			
PROJECT		MODEL NAME GE-16203	ISSUE
DO NOT SCALE			

D

C

B

A

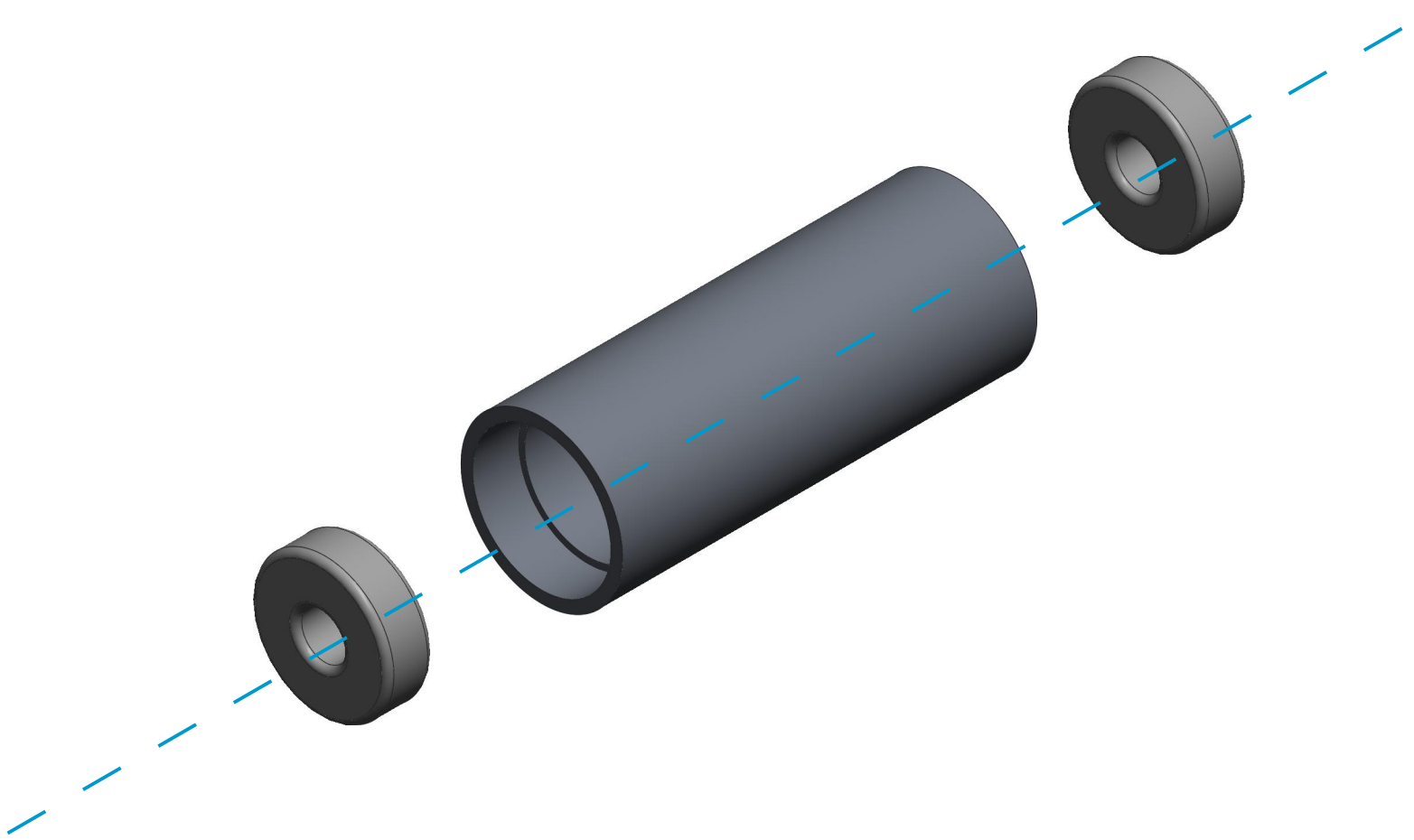
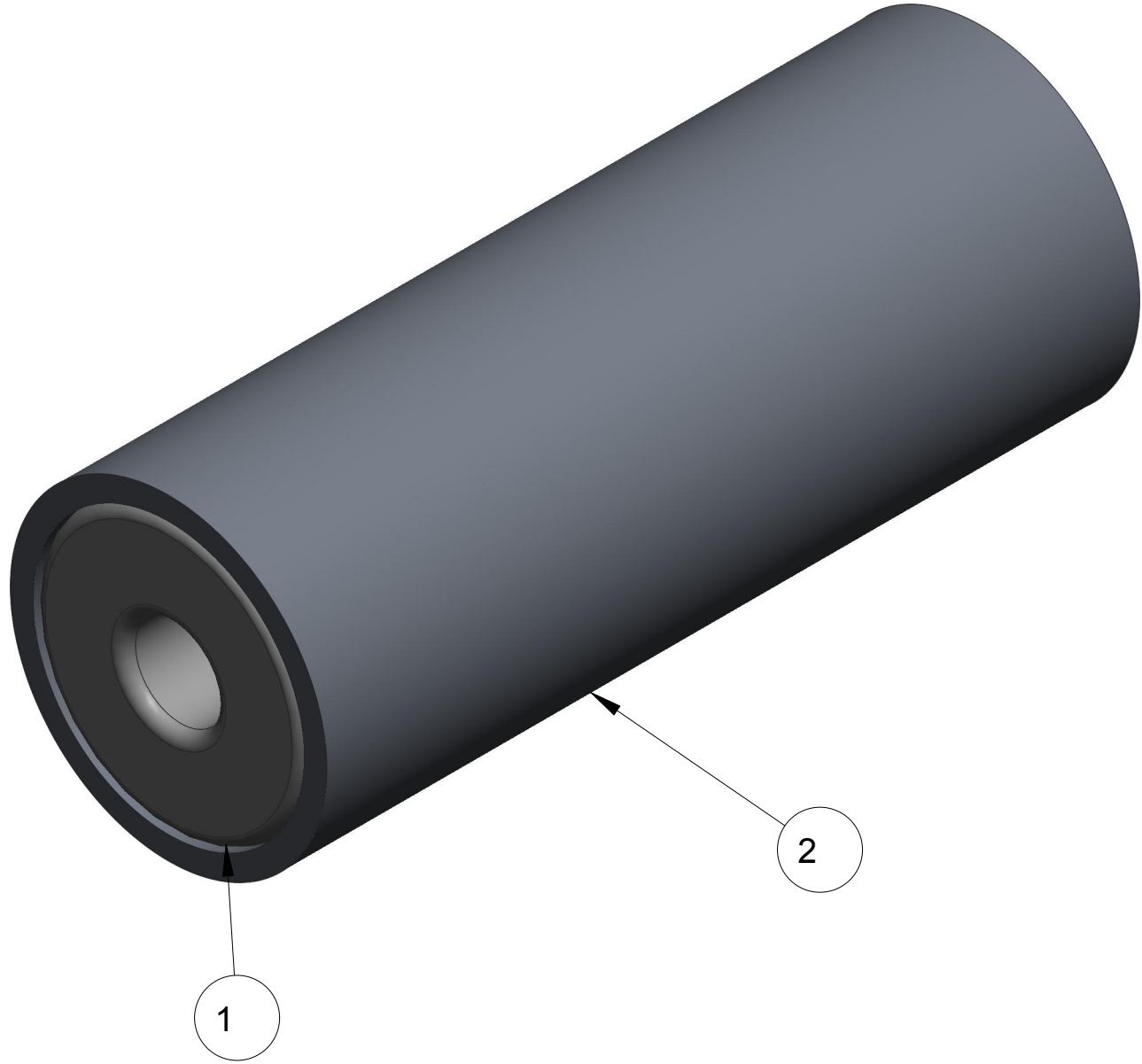
D

C


B

A

MODEL NAME	TITLE
GE-16204	Upper Roller Assembly

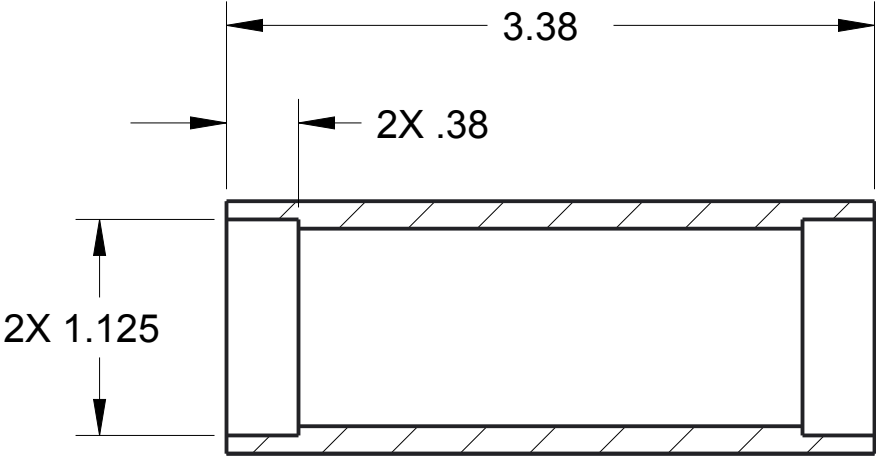
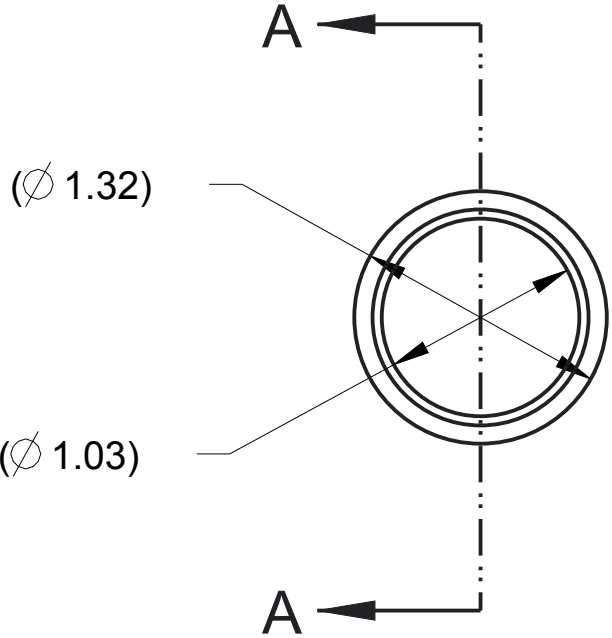
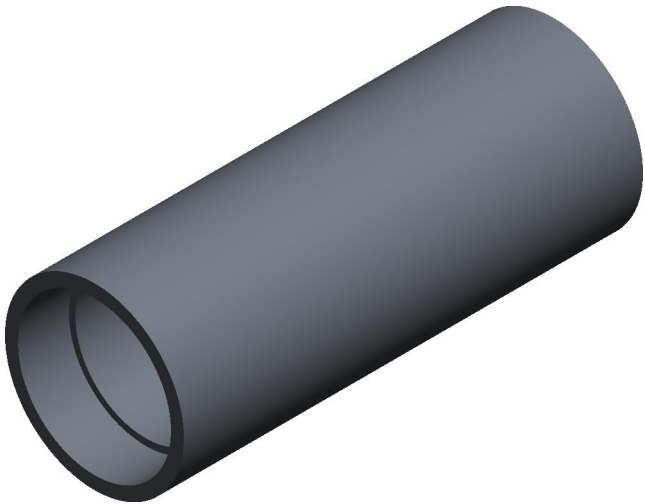


ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16202	2	bearing, 1.125 od	See Drawing
2	GE-16205	1	upper roller	See Drawing

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	APPROVED BY	DATE	
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TITLE Upper Roller Assembly		SCALE 1:1	SHEET 1 OF 1
PROJECT		MODEL NAME GE-16204	ISSUE




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TOLERANCES ARE:
XX +/- 0.1
XXX +/- 0.01
XXXX +/- 0.001
ANG +/- 1

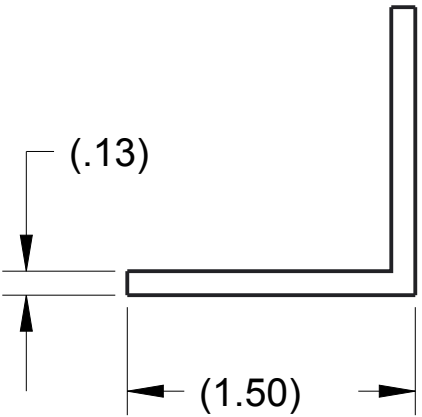
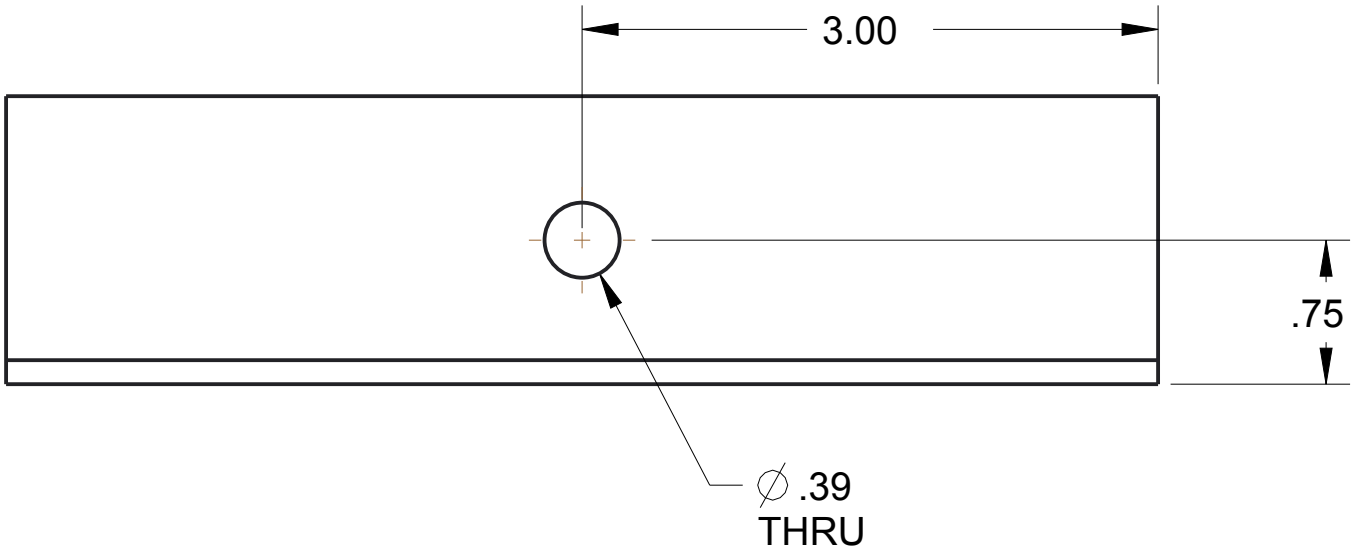
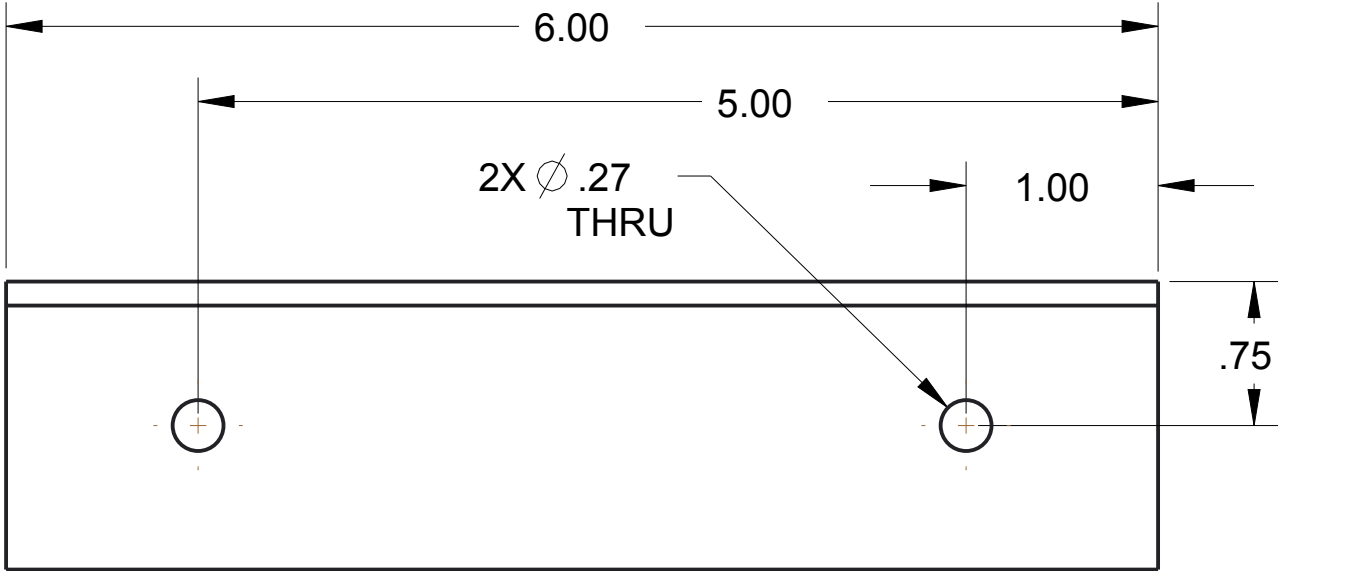
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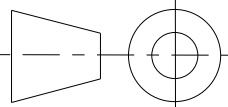

SECTION A-A

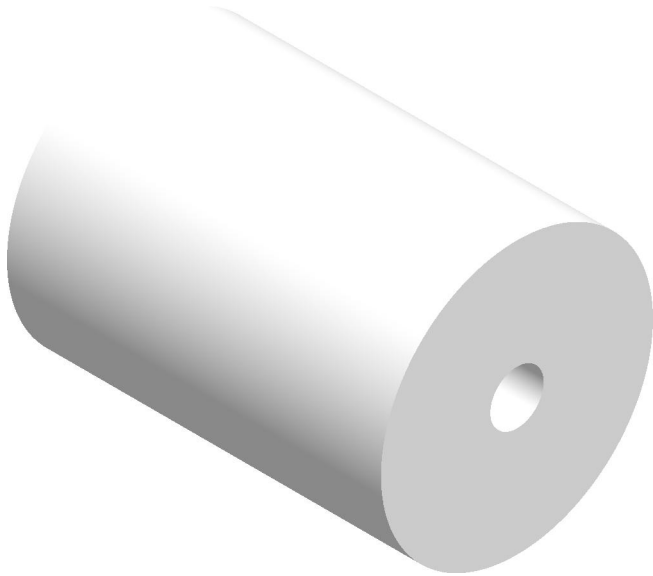
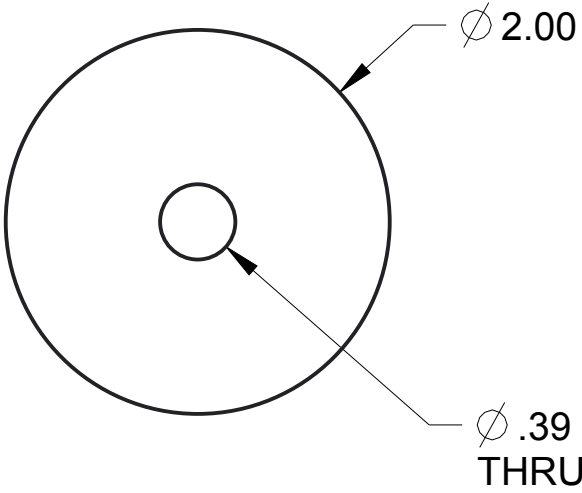
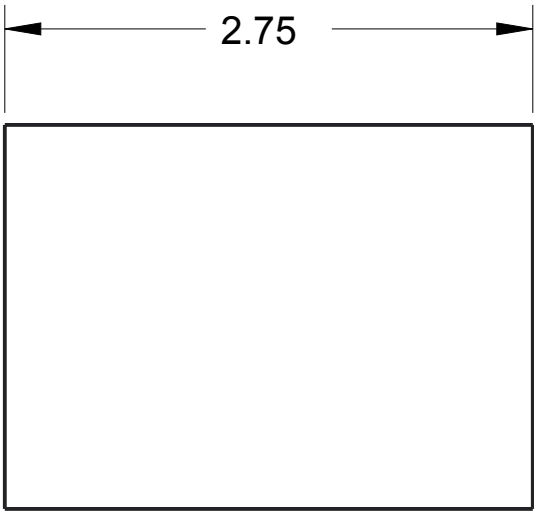
- NOTES:
1. MATERIAL: 1" SCHEDULE 40 PIPE, 6061 ALUMINUM
 2. REMOVE ALL BURRS AND SHARP EDGES

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	APPROVED BY	DATE
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	TITLE UPPER ROLLER	
	PROJECT	MODEL NAME GE-16205
 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</small> DO NOT SCALE	ISSUE	

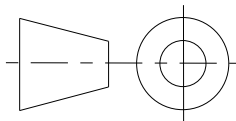



NOTES:
1. MATERIAL: 1-1/2" X .125" ANGLE, 6063 ALUMINUM
2. REMOVE ALL BURRS AND SHARP EDGES

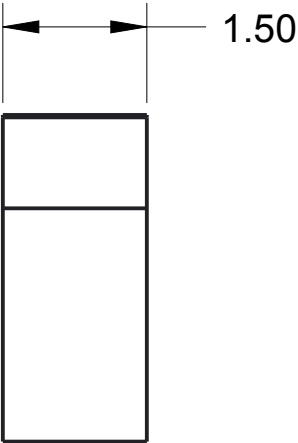
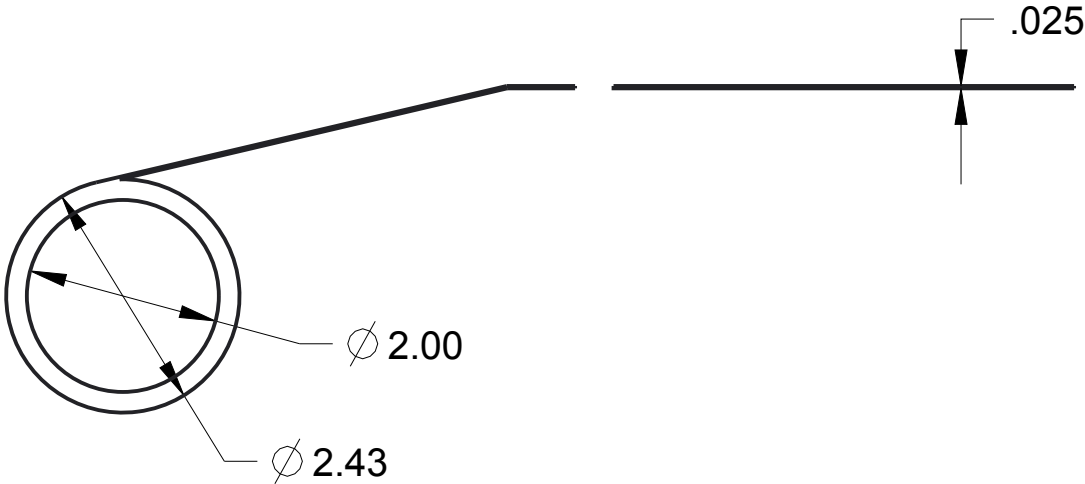
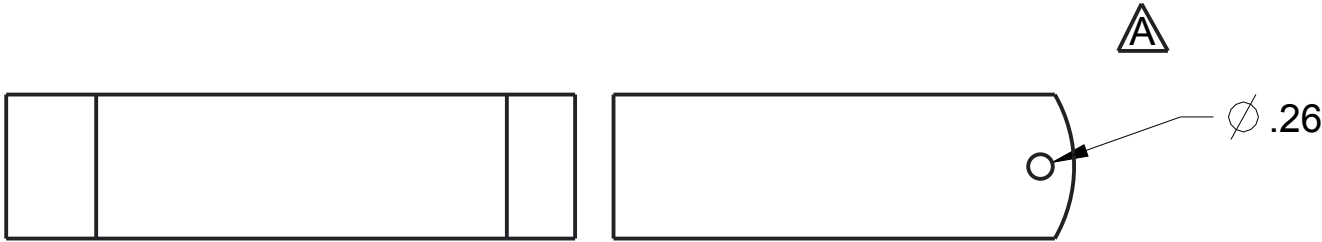
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			CHECKED BY	DATE
			APPROVED BY	DATE
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	TITLE ANGLE, SPRING			
	PROJECT		MODEL NAME GE-16207	ISSUE
DO NOT SCALE				



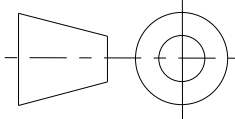
- NOTES:
- 1. MATERIAL: WHITE OR NATURAL HDPE
 - 2. REMOVE ALL BURRS AND SHARP EDGES

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TITLE <div>SPOOL</div>			
PROJECT		MODEL NAME GE-16208	ISSUE
DO NOT SCALE			

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	B1 D2	Updated Manufacturer PN Updated Hole size	NJS	2/4/2016



NOTES:
1. VULCAN SPRING PN: J25S65FR
2. FORCE: 23 LBS
3. LENGTH: 65"



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DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- .1°

DO NOT SCALE



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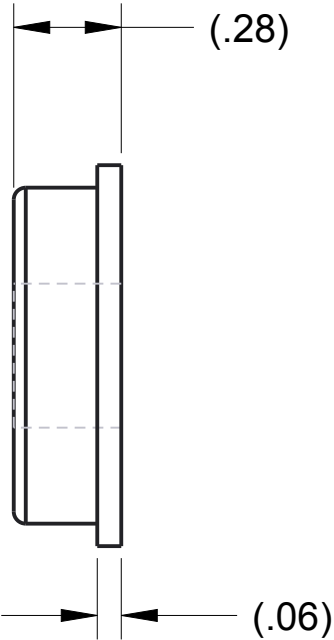
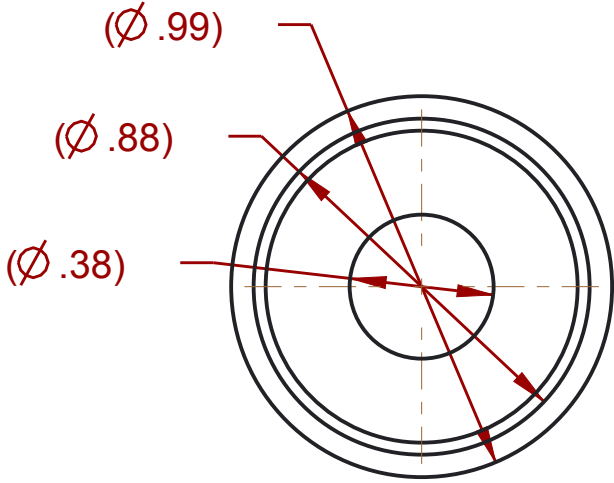
TITLE
SPRING, CONFORCE

PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:2	SHEET 1 OF 1

MODEL NAME
GE-16209

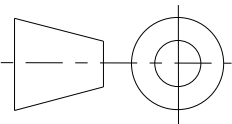

ISSUE



NOTE

Material: .875" Flange Bearing, Steel

Scale: 2:1

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TITLE .875" Flange Bearing for 3/8" Screw			
PROJECT		MODEL NAME GE-16210	ISSUE

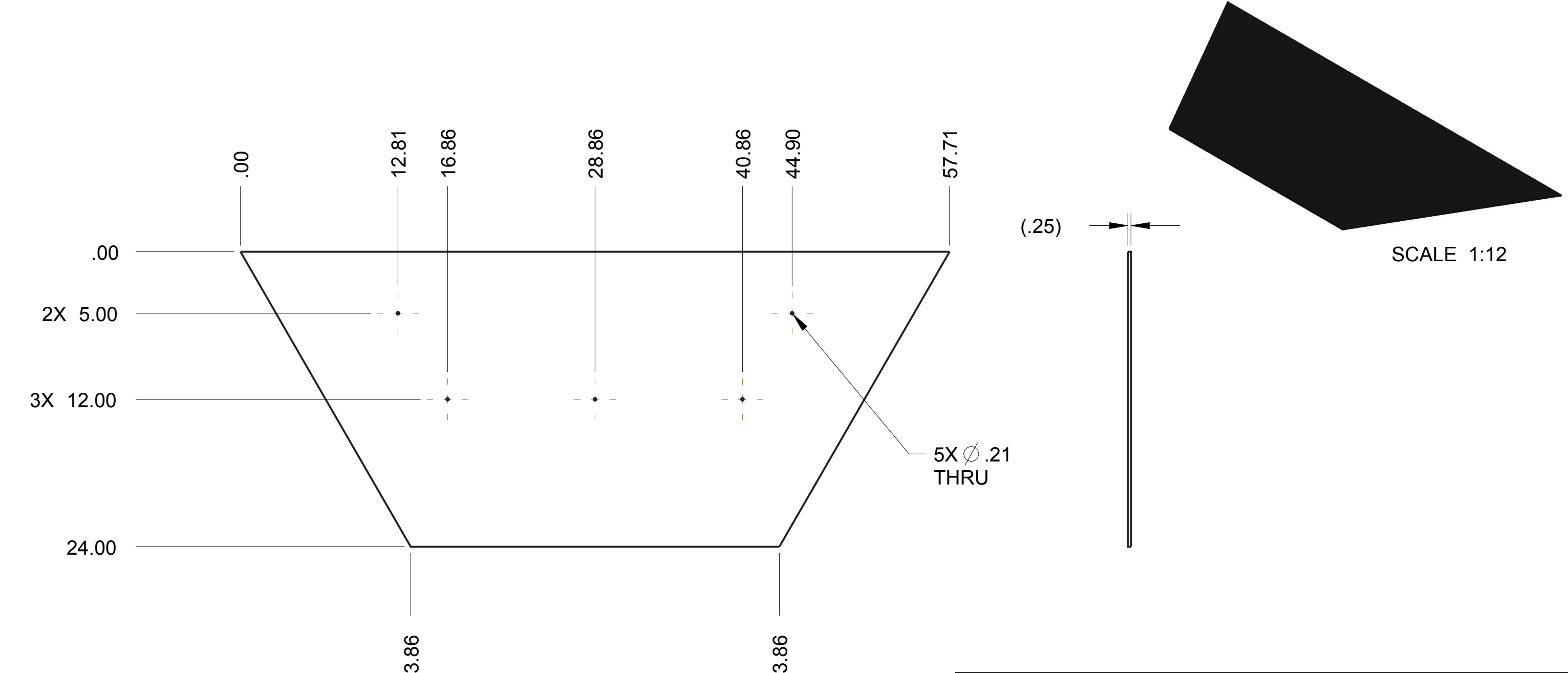
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE


UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	A-1	Updated Material Note	NJS	3/1/2016



NOTES:
1. MATERIAL: 1/4" THICK, BLACK, HDPE or CLEAR POLYCARBONATE



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

DRAWN BY

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DATE

DATE

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SCALE 1:8

SHEET 1 OF 1

TITLE

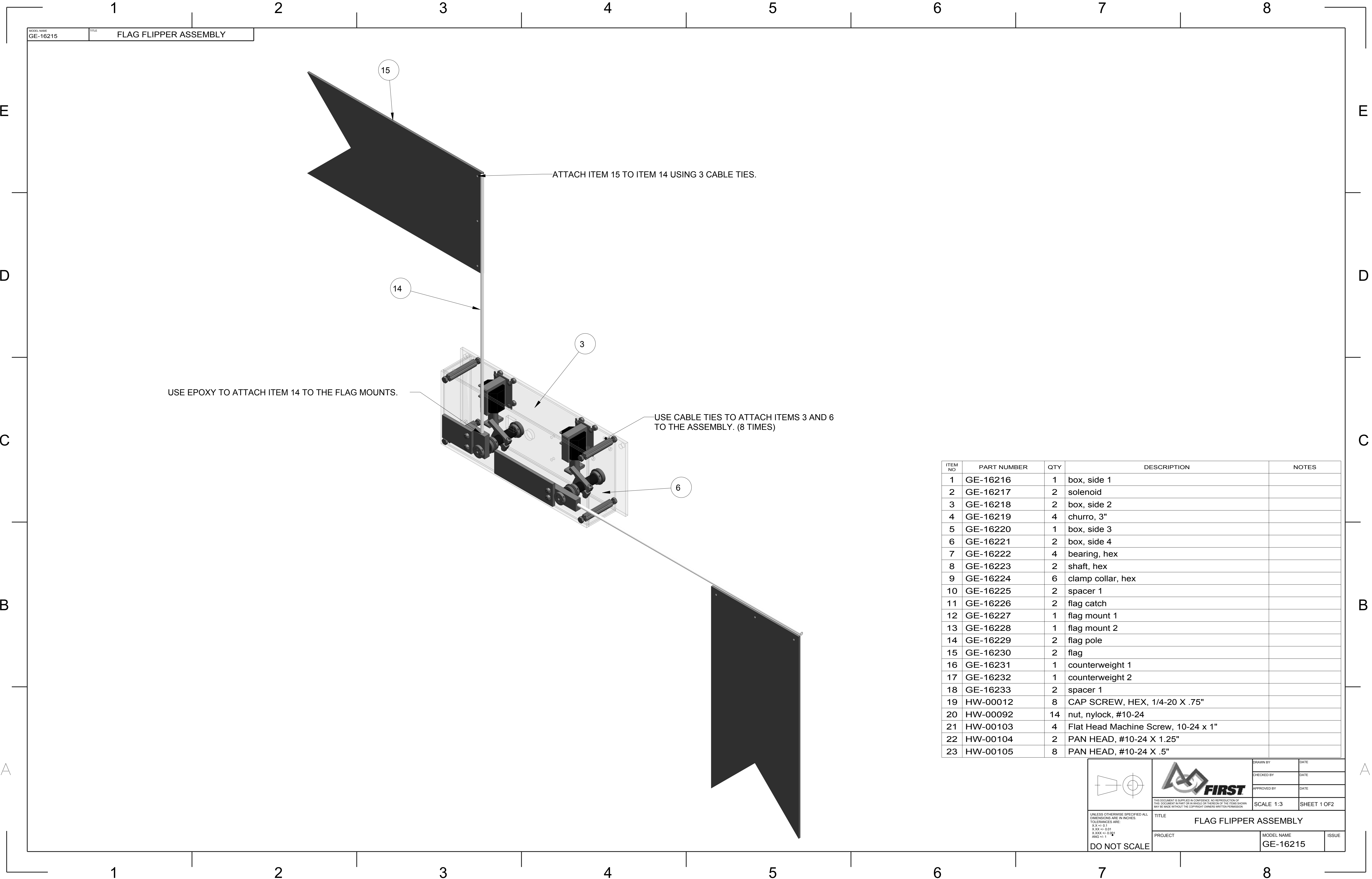
PROJECT

ROOF, TOWER


MODEL NAME

GE-16213

ISSUE



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16216	1	box, side 1	
2	GE-16217	2	solenoid	
3	GE-16218	2	box, side 2	
4	GE-16219	4	churro, 3"	
5	GE-16220	1	box, side 3	
6	GE-16221	2	box, side 4	
7	GE-16222	4	bearing, hex	
8	GE-16223	2	shaft, hex	
9	GE-16224	6	clamp collar, hex	
10	GE-16225	2	spacer 1	
11	GE-16226	2	flag catch	
12	GE-16227	1	flag mount 1	
13	GE-16228	1	flag mount 2	
14	GE-16229	2	flag pole	
15	GE-16230	2	flag	
16	GE-16231	1	counterweight 1	
17	GE-16232	1	counterweight 2	
18	GE-16233	2	spacer 1	
19	HW-00012	8	CAP SCREW, HEX, 1/4-20 X .75"	
20	HW-00092	14	nut, nylock, #10-24	
21	HW-00103	4	Flat Head Machine Screw, 10-24 x 1"	
22	HW-00104	2	PAN HEAD, #10-24 X 1.25"	
23	HW-00105	8	PAN HEAD, #10-24 X .5"	



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
X.XX +/- 0.1
X.XXX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

TITLE
FLAG FLIPPER ASSEMBLY

PROJECT

DRAWN BY

CHECKED BY

APPROVED BY

SCALE 1:3

DATE

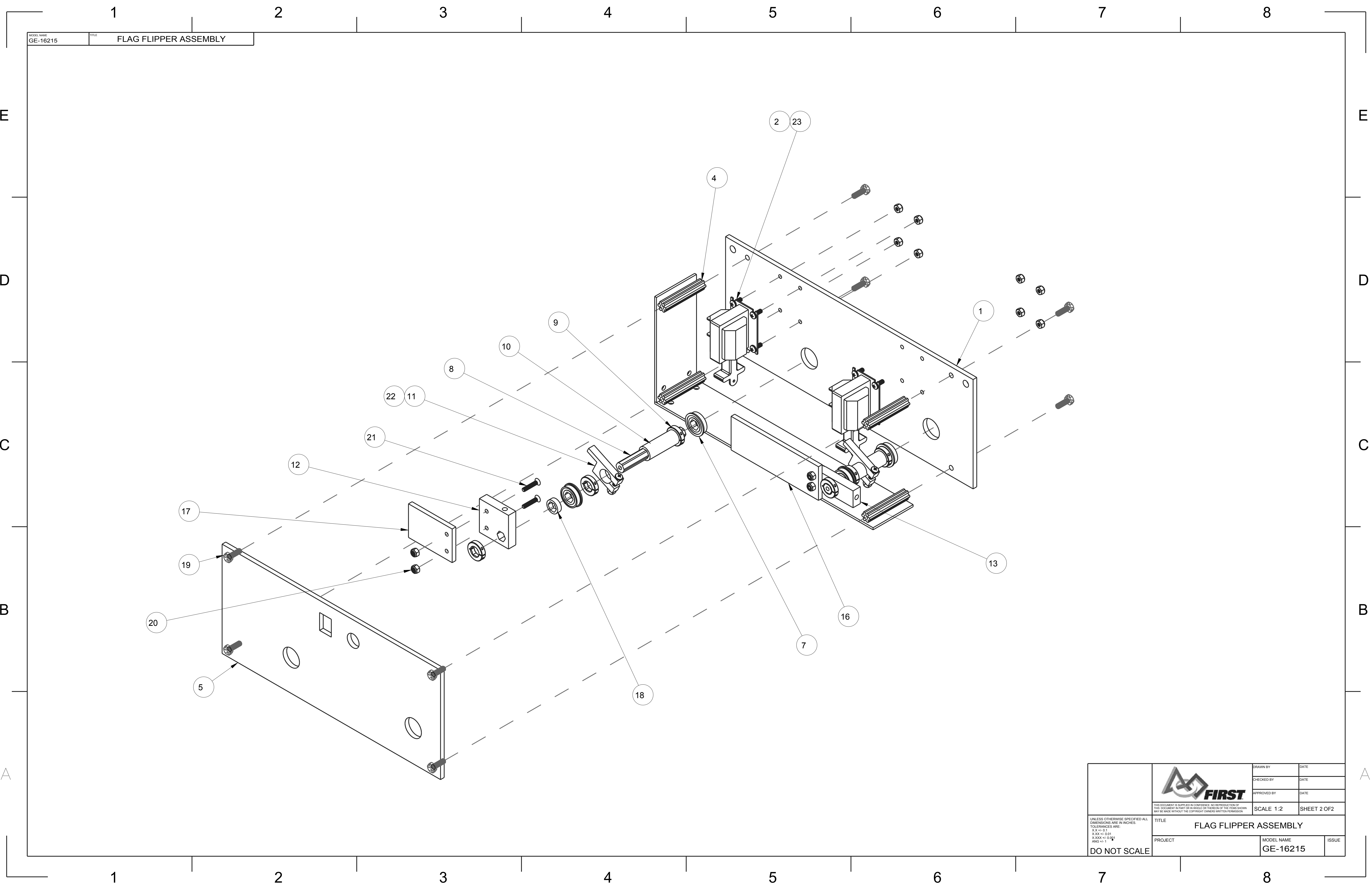
DATE


DATE

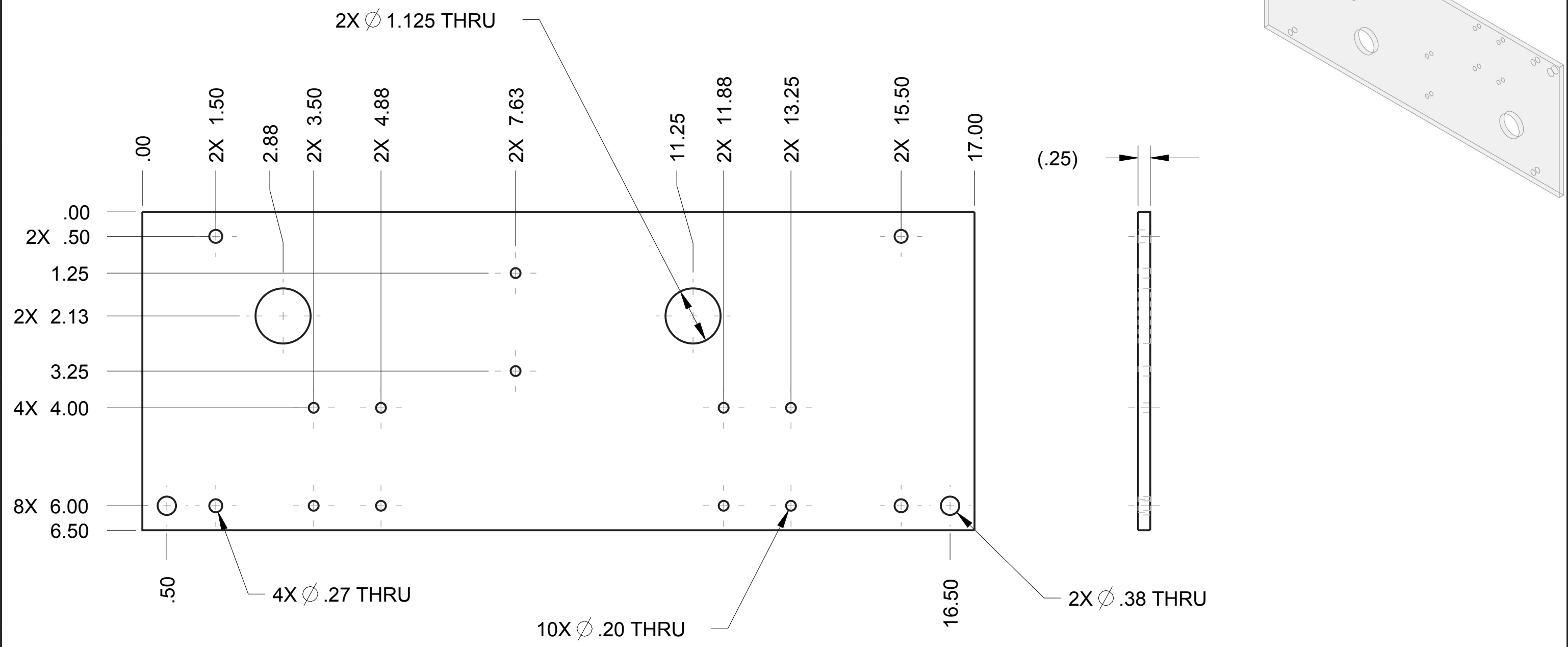
SHEET 1 OF 2

MODEL NAME
GE-16215

ISSUE




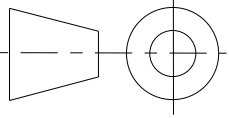
<div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.XX ±0.1 X.XXX ±0.01 X.XXX ±0.001 ANG ±1</div> <div>DO NOT SCALE</div>	 <small>THIS DOCUMENT IS SUPPLIED IN CONFIDENCE. NO REPRODUCTION OF THIS DOCUMENT IN PART OR IN WHOLE OR THEREOF OR OF THE ITEMS SHOWN MAY BE MADE WITHOUT THE COPYRIGHT OWNERS WRITTEN PERMISSION.</small>	DRAWN BY	DATE	
		CHECKED BY	DATE	
		APPROVED BY	DATE	
		SCALE 1:2 SHEET 2 OF 2		
	TITLE FLAG FLIPPER ASSEMBLY		PROJECT	MODEL NAME GE-16215



NOTE

Material: Clear Polycarbonate, .25" Thick

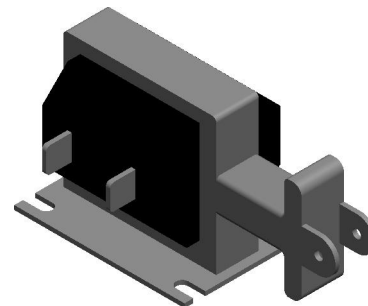
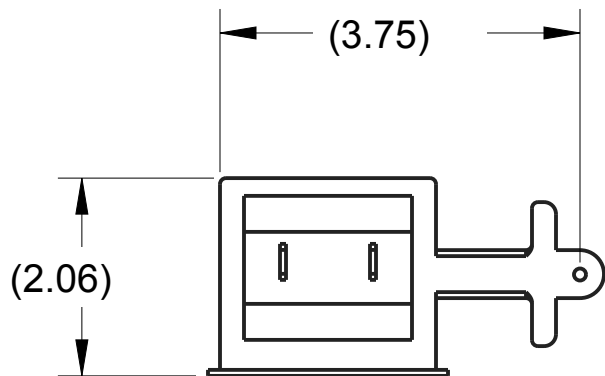
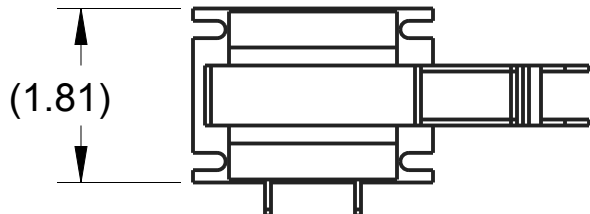
Scale: 1:2

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	CHECKED BY	DATE
	APPROVED BY	DATE
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	TITLE	
	BOX, SIDE 1	
 <p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</p> <p>DO NOT SCALE</p>	PROJECT	MODEL NAME
		GE-16216
		ISSUE

MODEL NAME
GE-16217


TITLE

SOLENOID



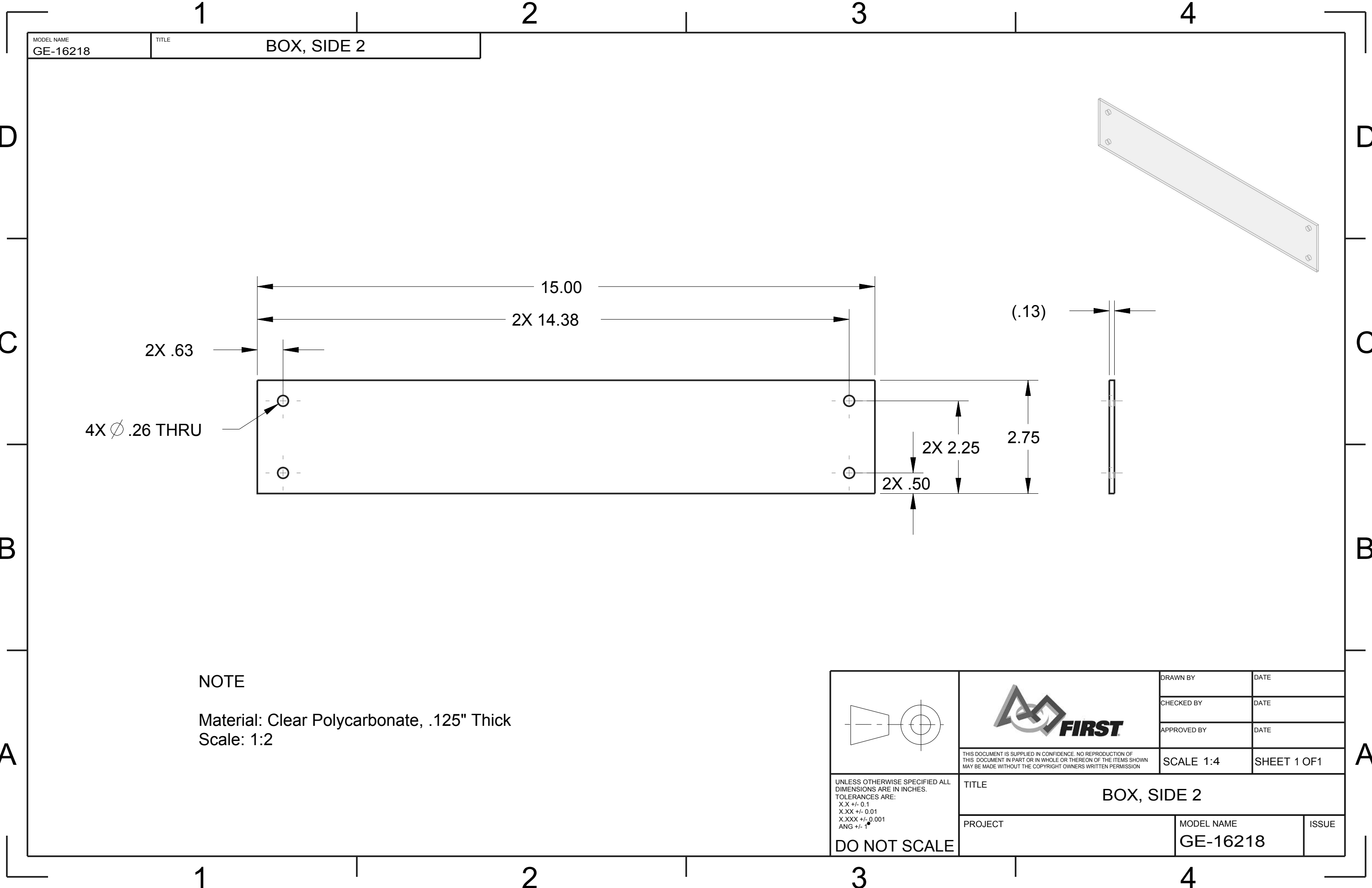
NOTES:

1. MANUFACTURED BY: DORMEYER PRODUCTS
2. PART NUMBER: 2005-M-1

	DRAWN BY	DATE
	CHECKED BY	DATE
	APPROVED BY	DATE
	SCALE 1:2 SHEET 1 OF 1	
TITLE SOLENOID		
PROJECT		MODEL NAME GE-16217
ISSUE		

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°


DO NOT SCALE



NOTE

Material: Clear Polycarbonate, .125" Thick

Scale: 1:2

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	APPROVED BY	DATE
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	TITLE BOX, SIDE 2	
<p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</p> <p>DO NOT SCALE</p>	PROJECT	MODEL NAME GE-16218
	ISSUE	

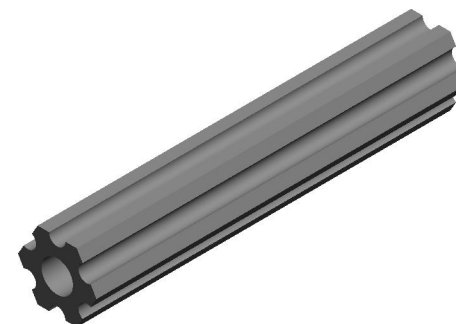
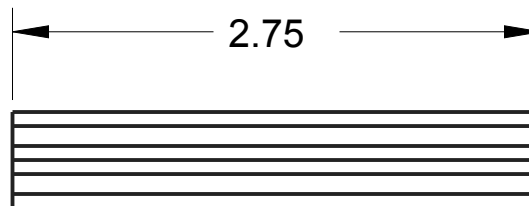
MODEL NAME
GE-16219

TITLE

CHURRO, 2.75"




1/4-20 ∇ .75 TAPPED HOLE
BOTH ENDS



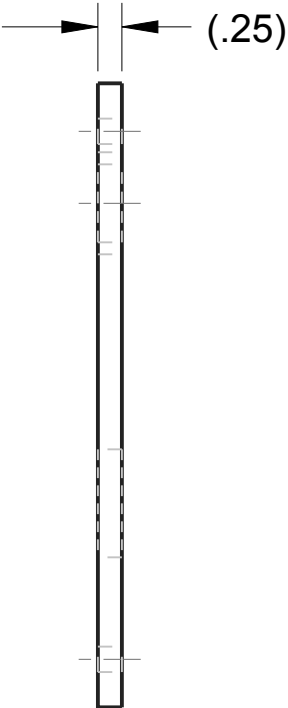
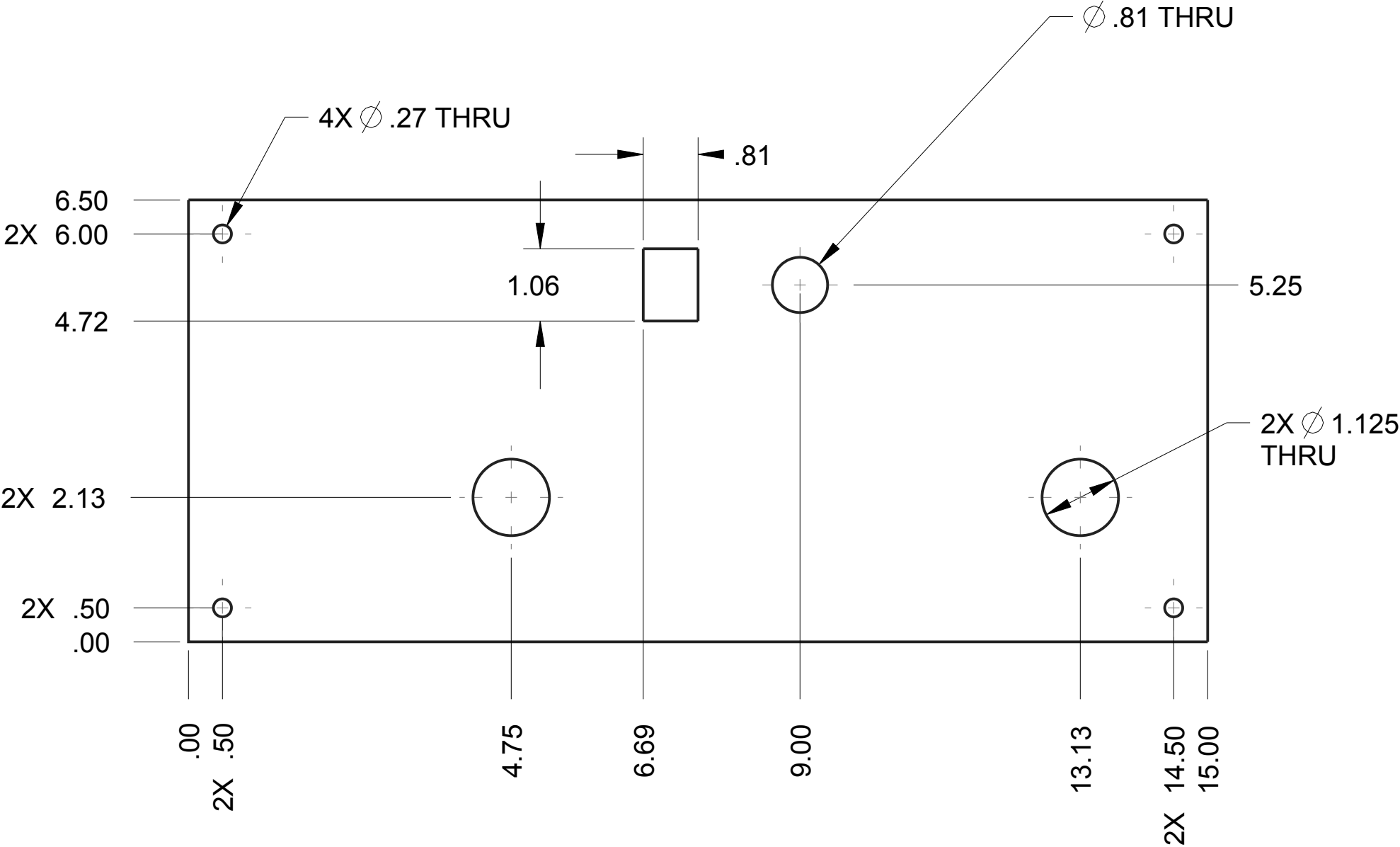
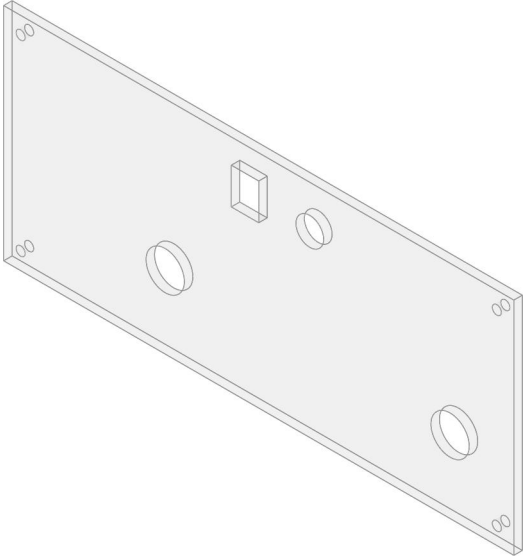
NOTES:

1. MAKE FROM ANDYMARK PAR NUMBER: AM-2974
2. REMOVE ALL BURRS AND SHARP EDGES.

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	CHECKED BY	DATE
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	SCALE 1:1	SHEET 1 OF 1
TITLE CHURRO, 2.75"		
PROJECT	MODEL NAME GE-16219	ISSUE

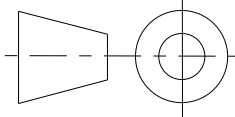
UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



NOTE

Material: Clear Polycarbonate, .25" Thick
Scale: 1:2



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- °

DO NOT SCALE



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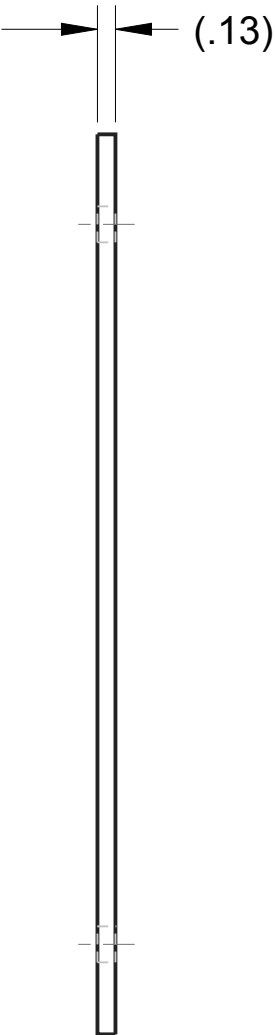
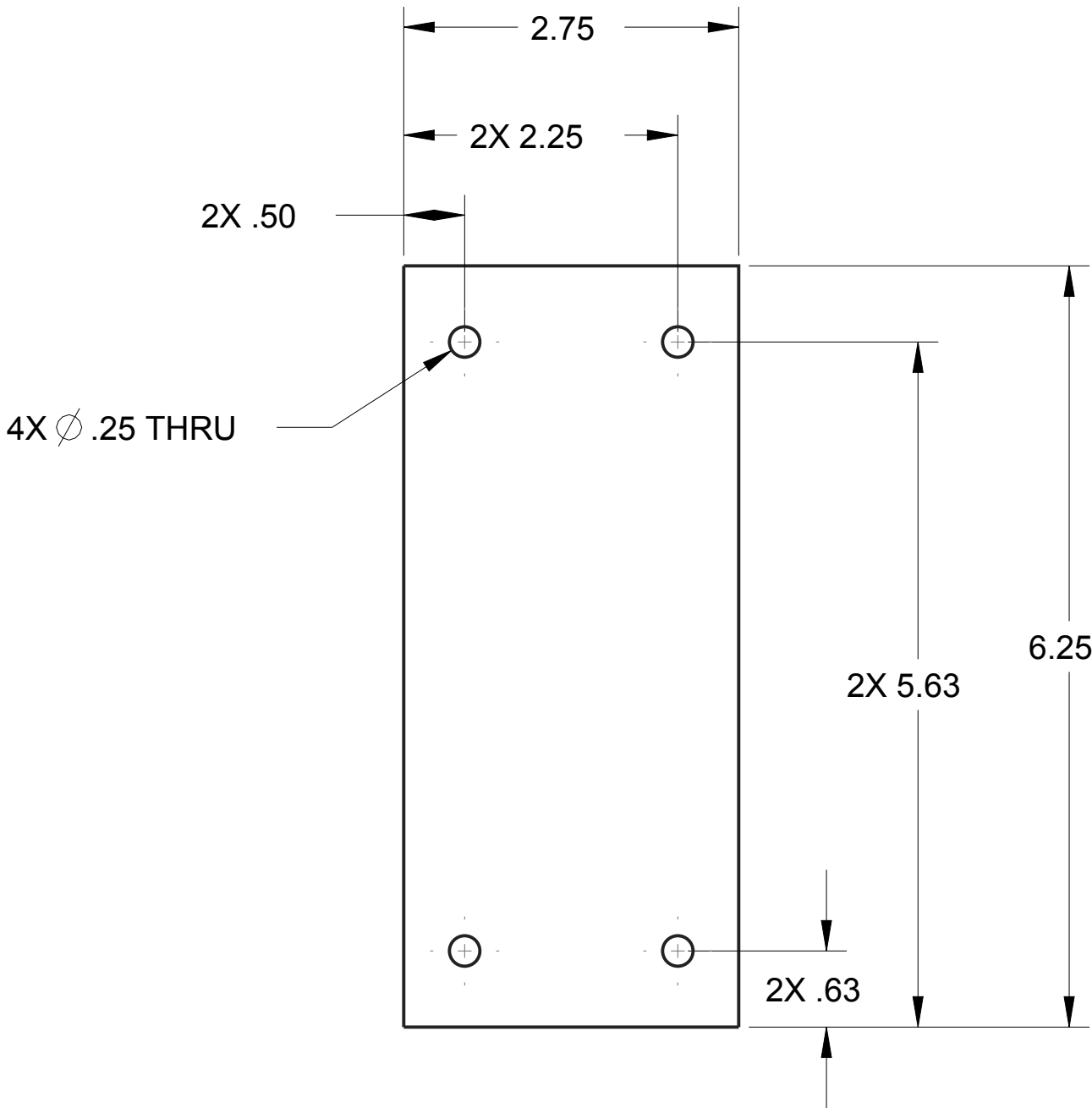
TITLE
BOX, SIDE 3

PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:4	SHEET 1 OF 1




MODEL NAME
GE-16220

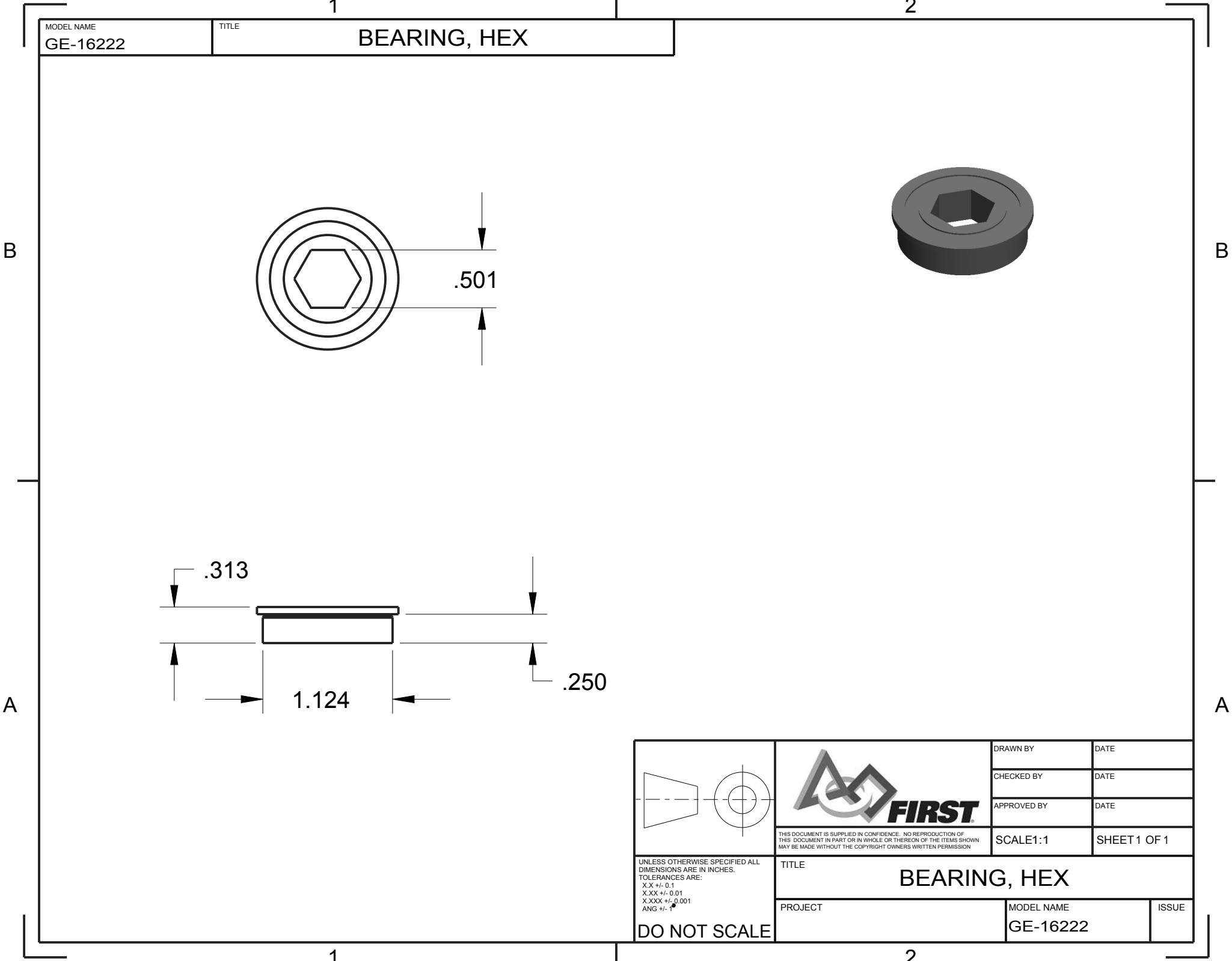
ISSUE



NOTE

Material: Clear Polycarbonate, .125" Thick
Scale: 3:4

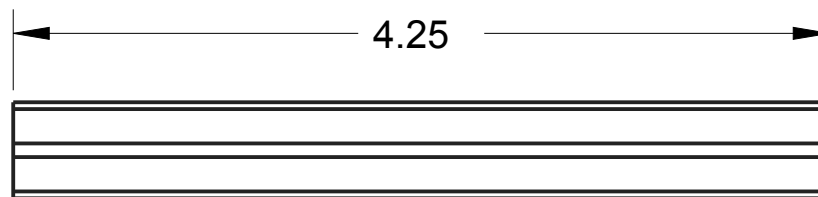
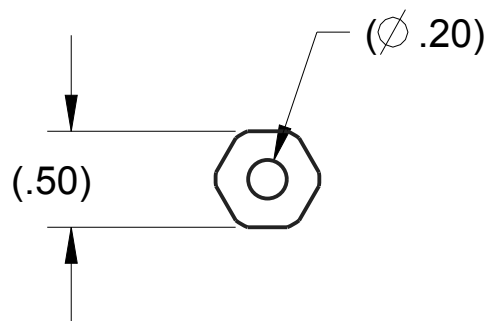
	DRAWN BY	DATE
	CHECKED BY	DATE
	APPROVED BY	DATE
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	TITLE BOX, SIDE 4	
 <small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</small> DO NOT SCALE	PROJECT	MODEL NAME GE-16221
	ISSUE	



MODEL NAME
GE-16223


TITLE

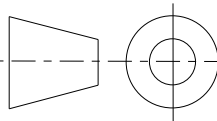
SHAFT, HEX



NOTES:

1. MATERIAL: 6061 ALUMINUM
2. REMOVE BURRS AND SHARP EDGES

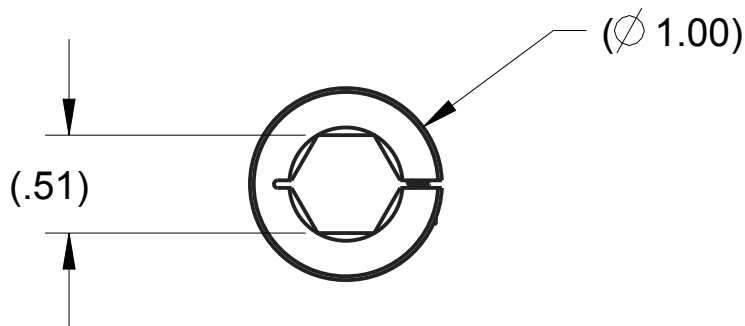
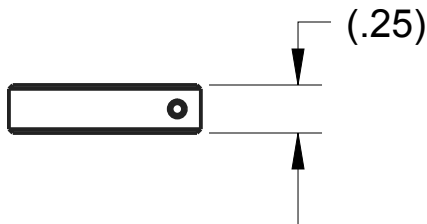
	DRAWN BY	DATE	
	CHECKED BY	DATE	
	APPROVED BY	DATE	
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TITLE SHAFT, HEX			
PROJECT		MODEL NAME GE-16223	ISSUE



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XXX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°
DO NOT SCALE

MODEL NAME
GE-16224

TITLE

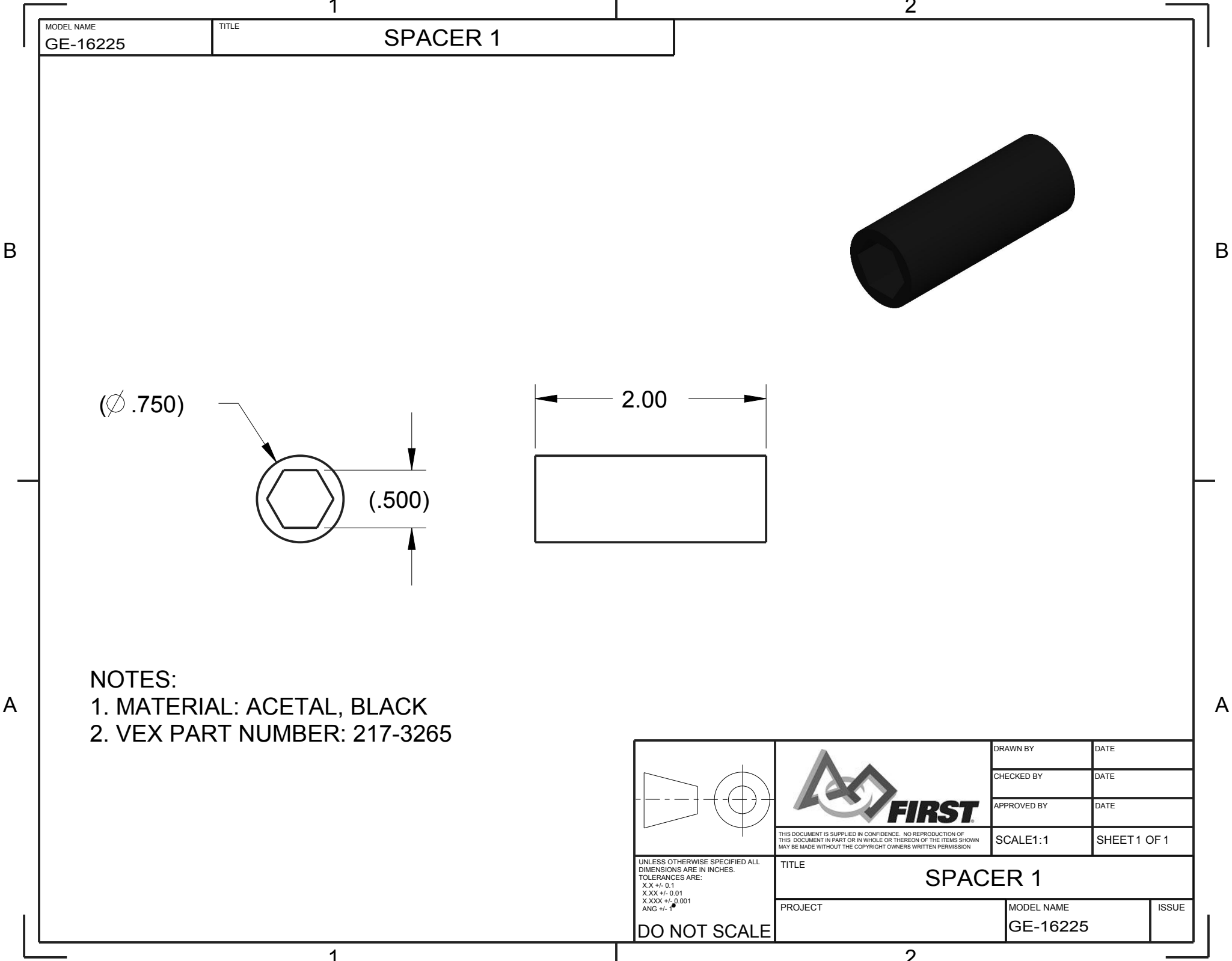
CLAMP COLLAR, HEX



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	CHECKED BY	DATE	
	APPROVED BY	DATE	
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TITLE CLAMP COLLAR, HEX			
PROJECT		MODEL NAME GE-16224	ISSUE

UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- .1

DO NOT SCALE



MODEL NAME
GE-16225

TITLE

SPACER 1


(Ø .750)

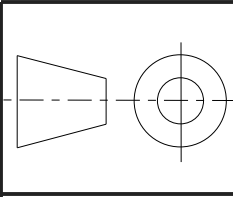
(.500)

2.00

NOTES:

- 1. MATERIAL: ACETAL, BLACK
- 2. VEX PART NUMBER: 217-3265

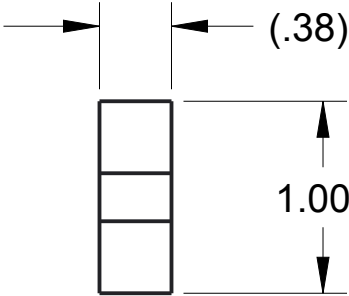
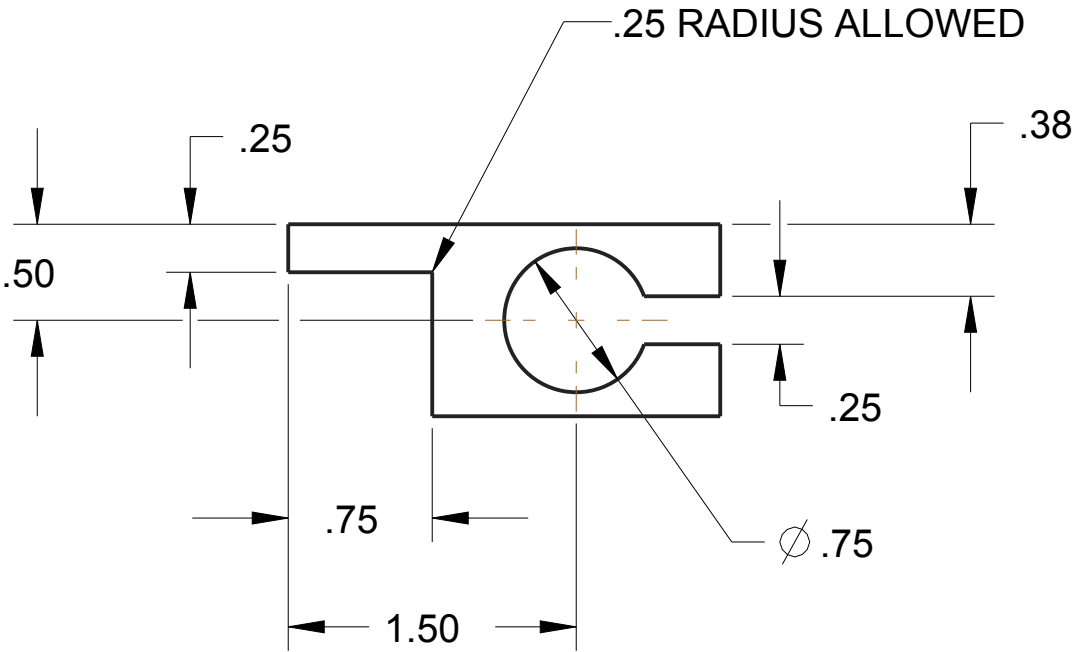
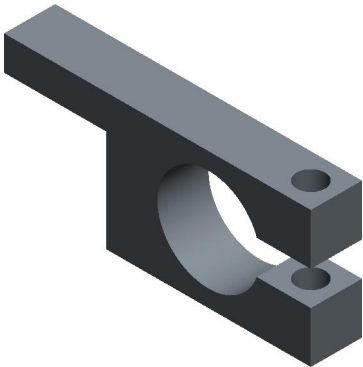
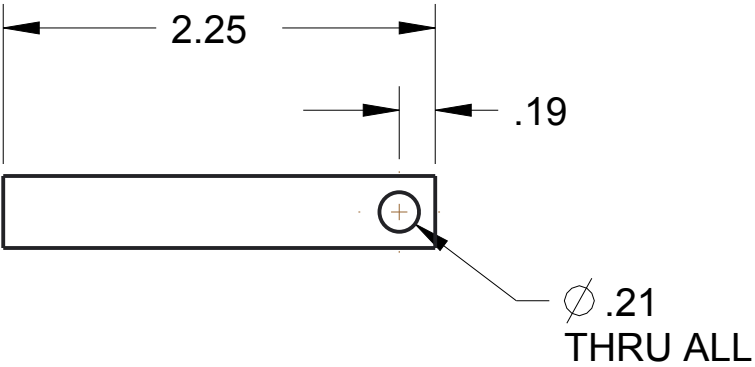
	DRAWN BY	DATE	
	CHECKED BY	DATE	
	APPROVED BY	DATE	
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TITLE SPACER 1			
PROJECT		MODEL NAME GE-16225	ISSUE



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	A1	Changed Material	NJS	1/13/2016



NOTES:
1. MATERIAL: 3/8" ALUMINUM, 5052
REMOVE BURRS AND SHARP EDGES

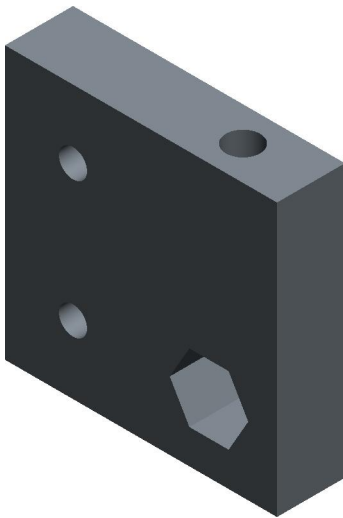
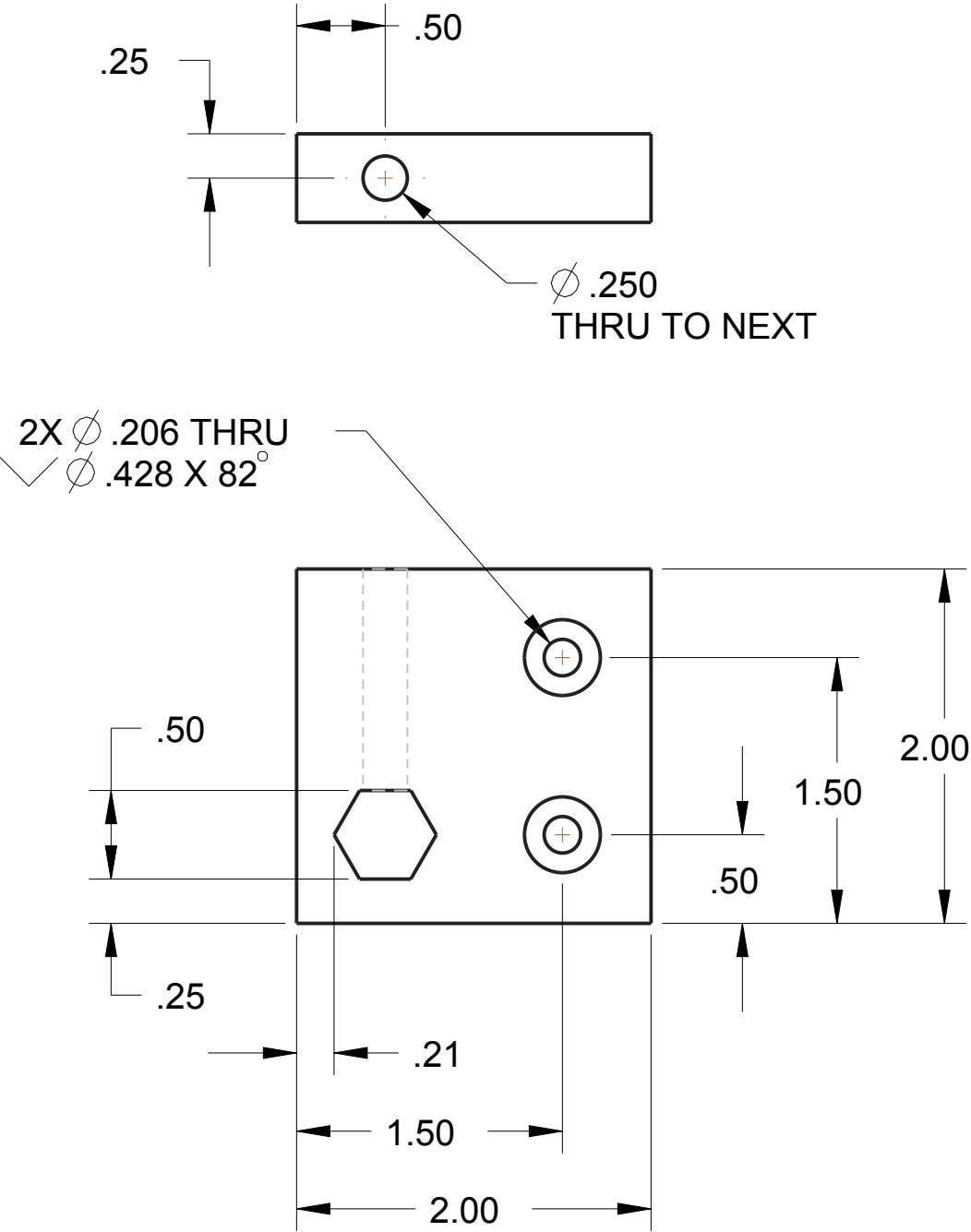
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

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APPROVED BY	DATE
SCALE 1:1	SHEET 1 OF 1
TITLE FLAG CATCH	
PROJECT	MODEL NAME GE-16226
ISSUE	

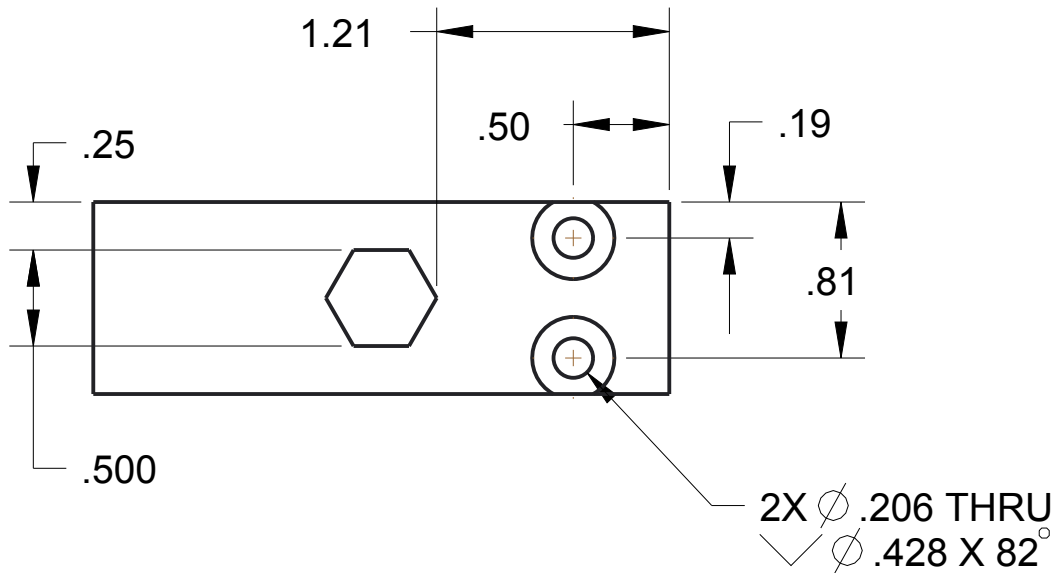
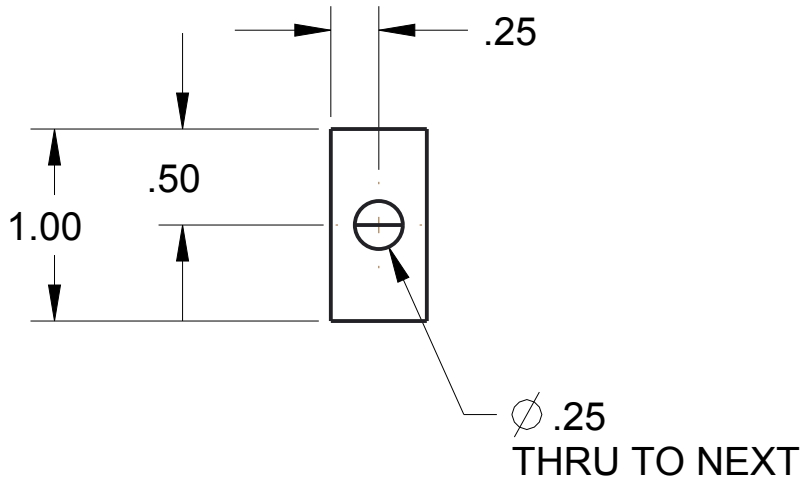
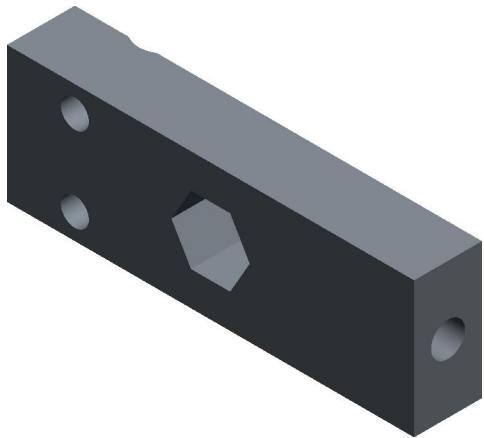
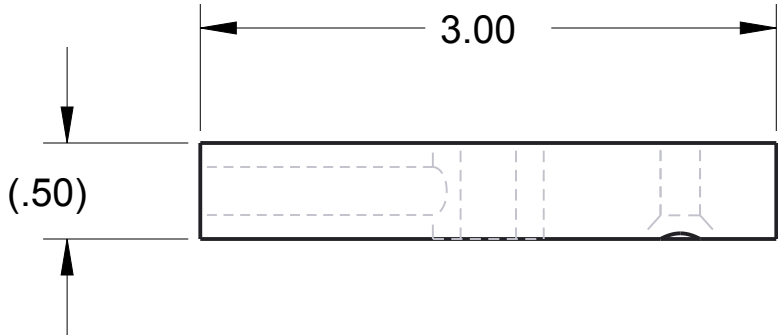
REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	B3	Changed Material	NJS	1/13/2016



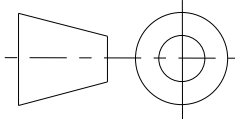
- NOTES:**
1. MATERIAL: 1/2" ALUMINUM, 5052
 2. REMOVE ALL BURRS AND SHARP EDGES

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	CHECKED BY	DATE
	APPROVED BY	DATE
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	TITLE FLAG MOUNT 1	
	PROJECT	MODEL NAME GE-16227
<p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</p> <p>DO NOT SCALE</p>	ISSUE	

REV	LOCATION	DESCRIPTION	APPROVED	DATE
A	A1	Changed Material	NJS	1/13/2016



NOTES:
1. MATERIAL: 1/2" ALUMINUM, 5052
2. REMOVE ALL BURRS AND SHARP EDGES



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



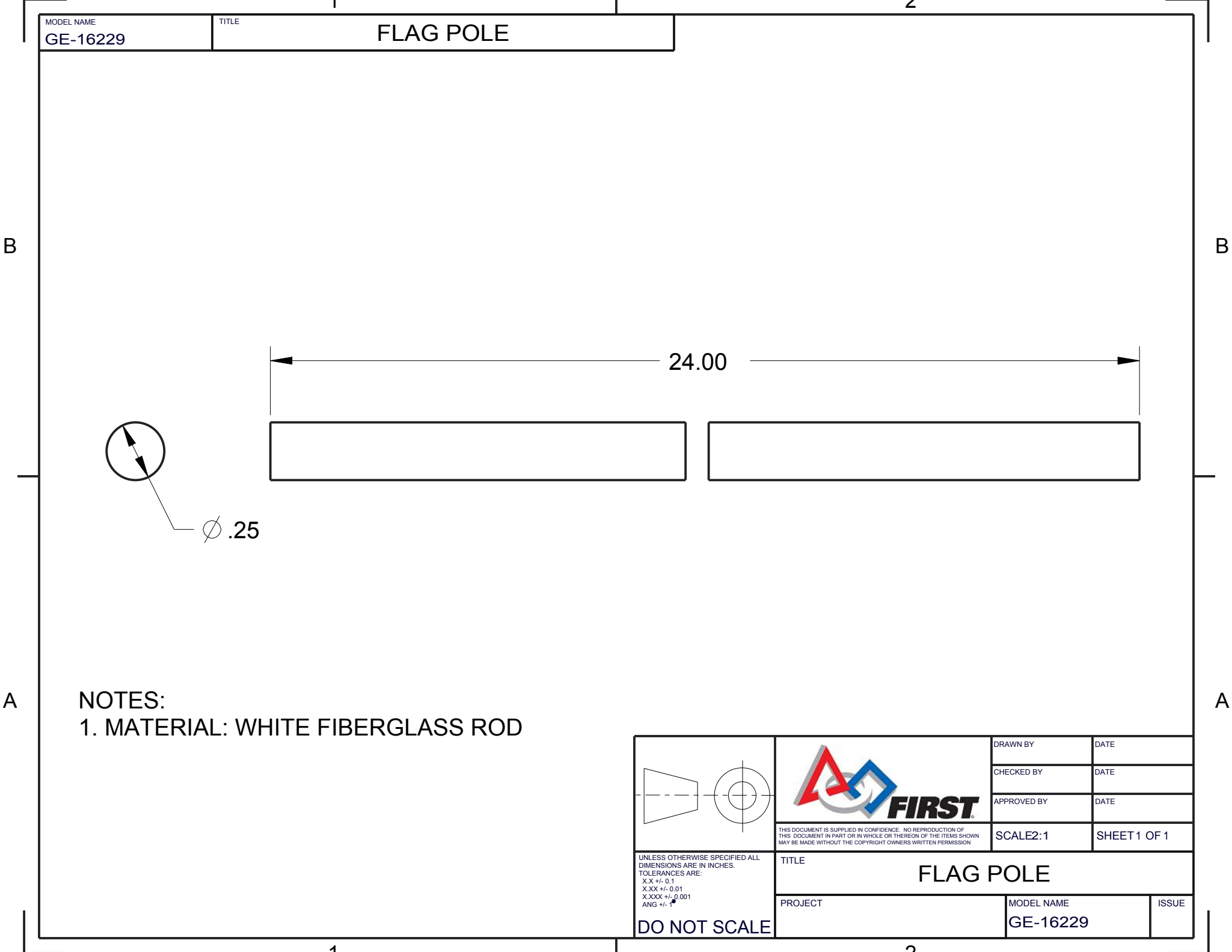
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TITLE
FLAG MOUNT 2

PROJECT

DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
SCALE 1:1	SHEET 1 OF 1

MODEL NAME GE-16228	ISSUE
------------------------	-------



MODEL NAME
GE-16229

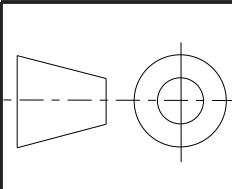

TITLE

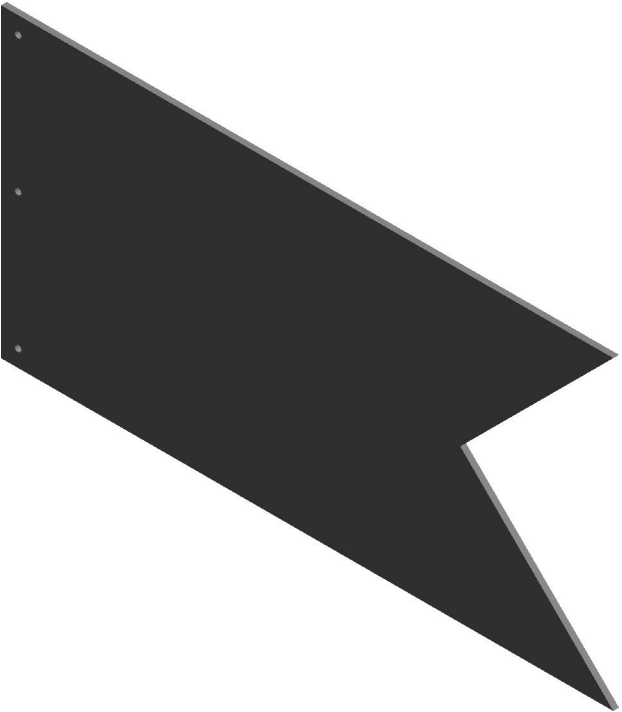
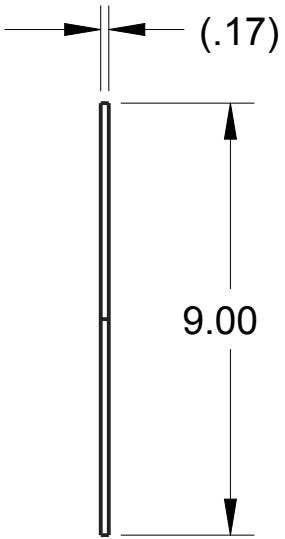
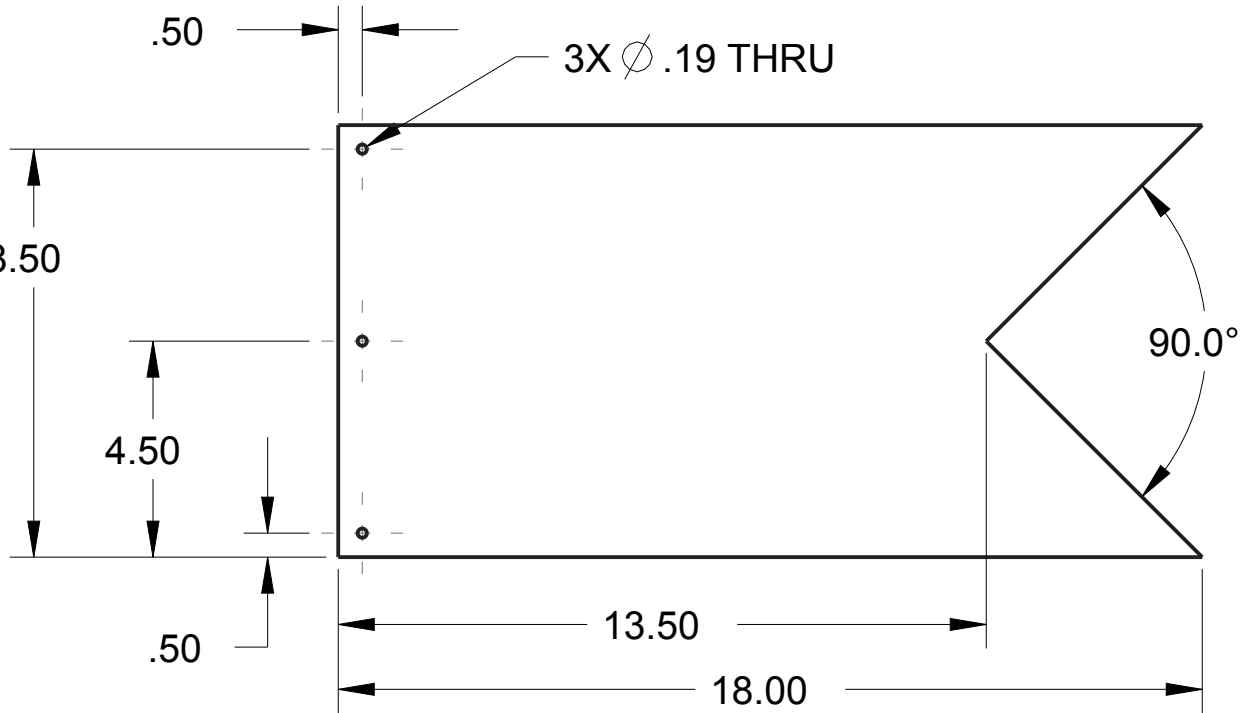
FLAG POLE

24.00

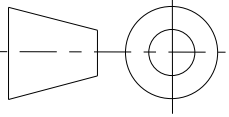

Ø .25

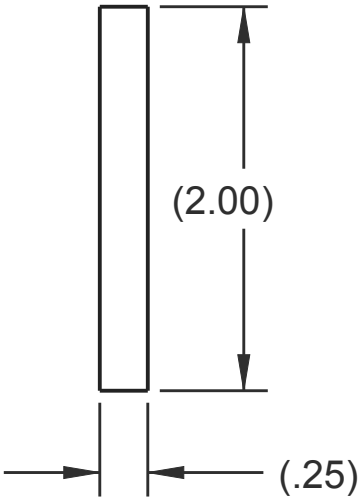
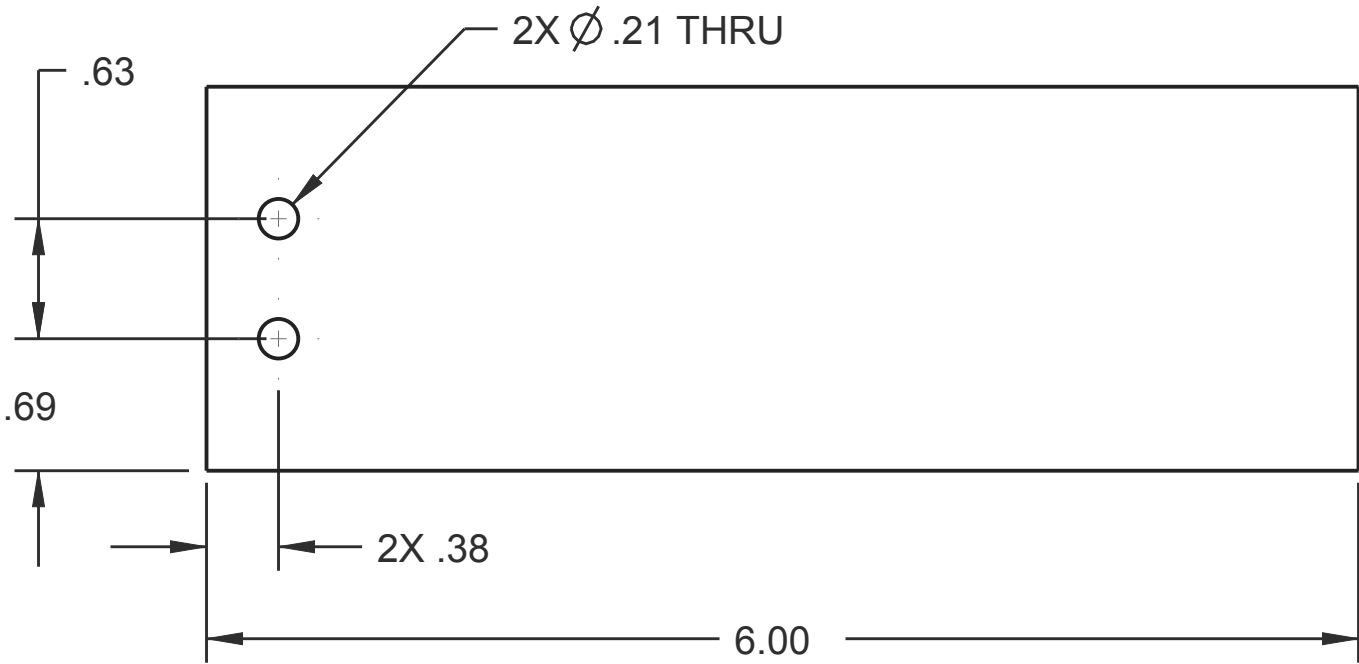
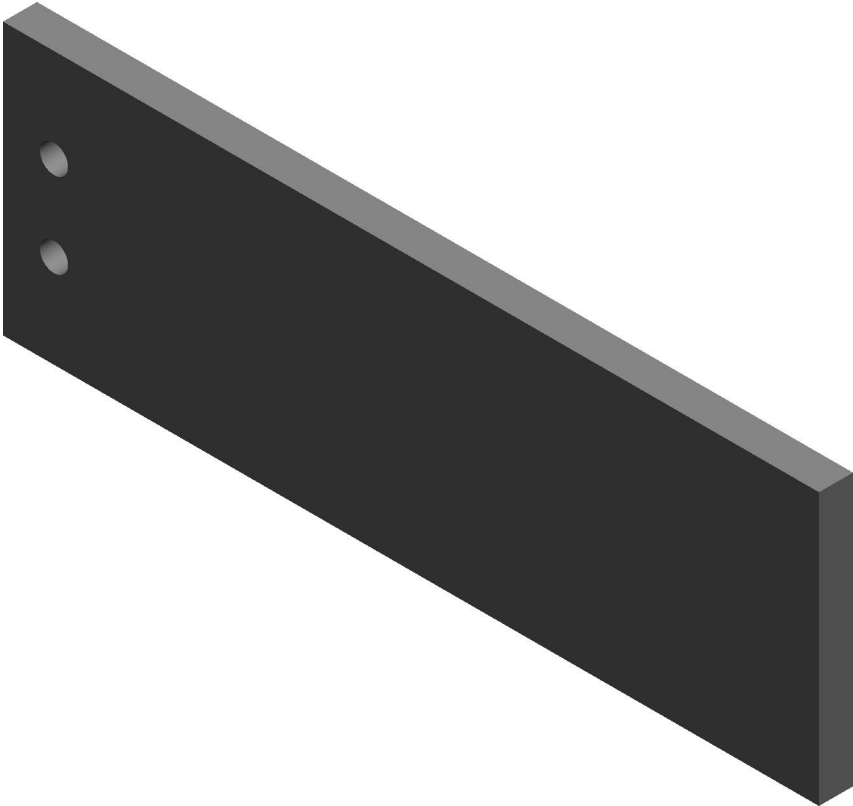
NOTES:
1. MATERIAL: WHITE FIBERGLASS ROD

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		APPROVED BY	DATE
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		SCALE2:1	SHEET 1 OF 1
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DO NOT SCALE	PROJECT	MODEL NAME GE-16229	ISSUE

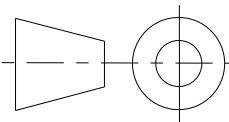



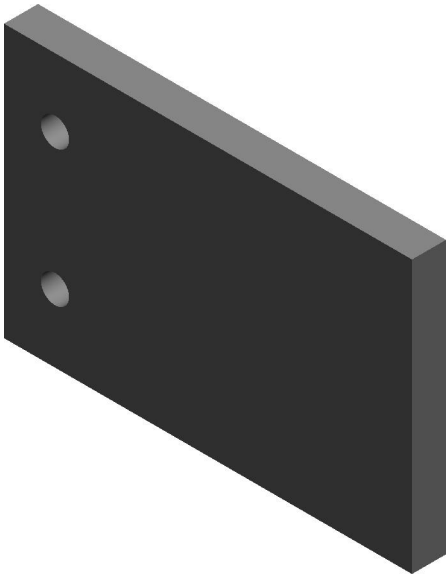
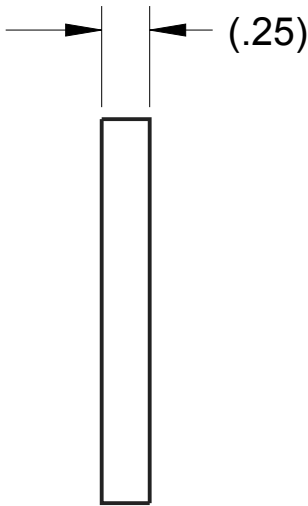
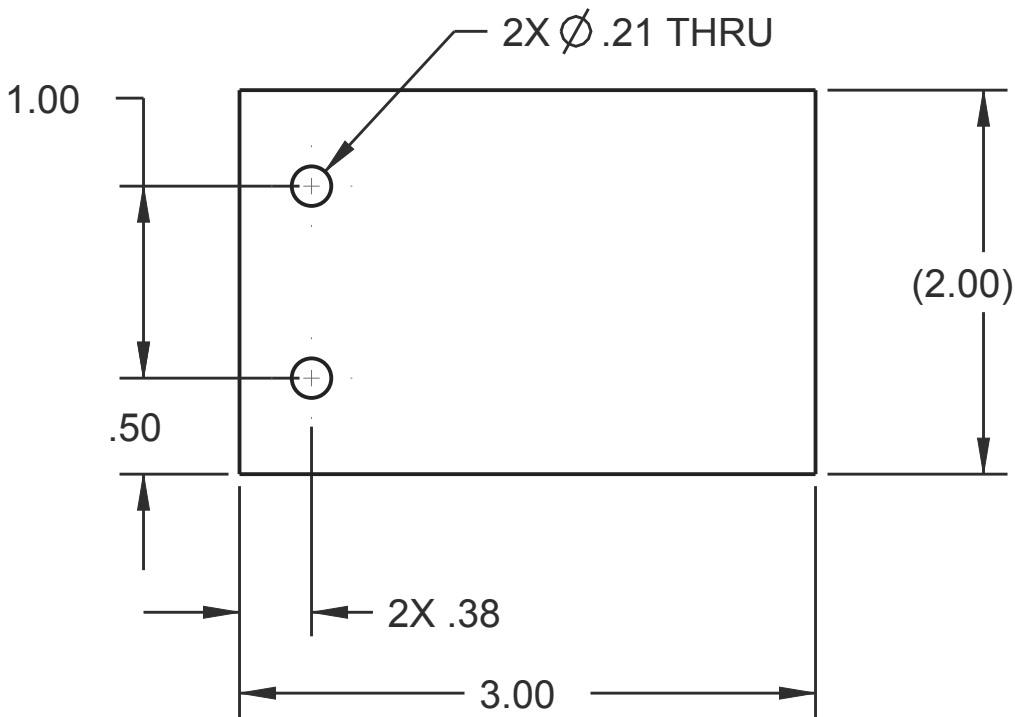
NOTES:
1. MATERIAL: 4mm COROPLAST, RED OR BLUE

 <div>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1°</div> <div>DO NOT SCALE</div>		DRAWN BY	DATE
		CHECKED BY	DATE
		APPROVED BY	DATE
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TITLE		FLAG	
PROJECT		MODEL NAME	ISSUE
		GE-16230	

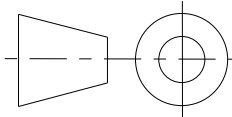



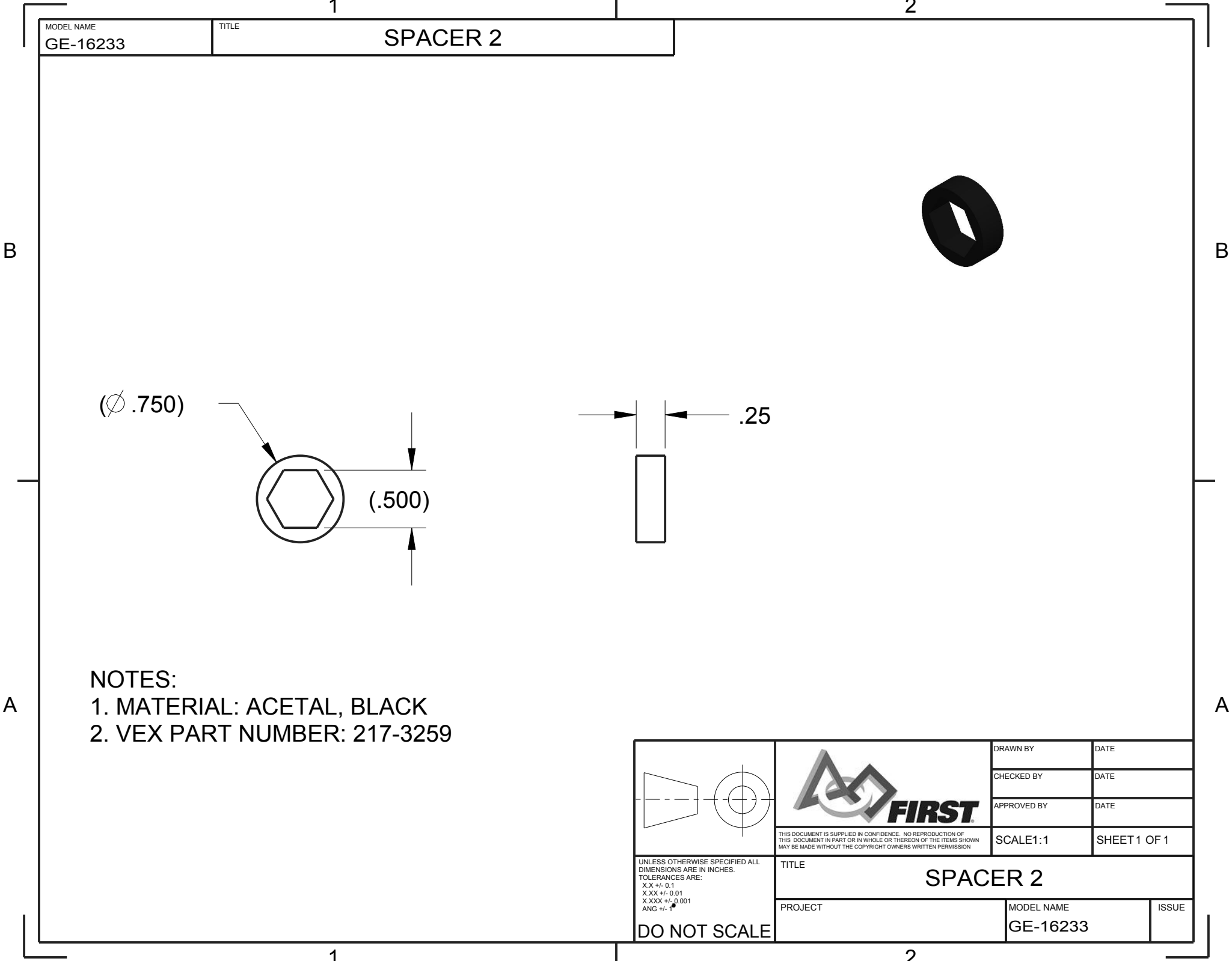
NOTES:
1. MATERIAL: 1/2" X 2" 1018 STEEL BAR
2. REMOVE ALL BURRS AND SHARP EDGES

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		CHECKED BY	DATE
		APPROVED BY	DATE
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- .1			
TITLE COUNTERWEIGHT 1			
PROJECT		MODEL NAME GE-16231	ISSUE
DO NOT SCALE			



NOTES:
1. MATERIAL: 1/2" X 2" 1018 STEEL BAR
2. REMOVE ALL BURRS AND SHARP EDGES.

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		APPROVED BY	DATE
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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCES ARE: X.X +/- 0.1 X.XX +/- 0.01 X.XXX +/- 0.001 ANG +/- 1° DO NOT SCALE	TITLE COUNTERWEIGHT 2		
	PROJECT	MODEL NAME GE-16232	ISSUE



MODEL NAME
GE-16233

TITLE

SPACER 2


(\varnothing .750)

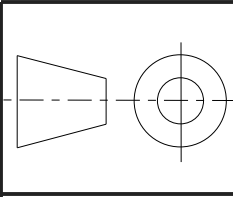
(.500)

.25

NOTES:

- 1. MATERIAL: ACETAL, BLACK
- 2. VEX PART NUMBER: 217-3259

	DRAWN BY	DATE	
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TITLE SPACER 2			
PROJECT		MODEL NAME GE-16233	ISSUE



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XXX +/- 0.01
X.XXXX +/- 0.001
ANG +/- 1°

DO NOT SCALE

D

C

B

A

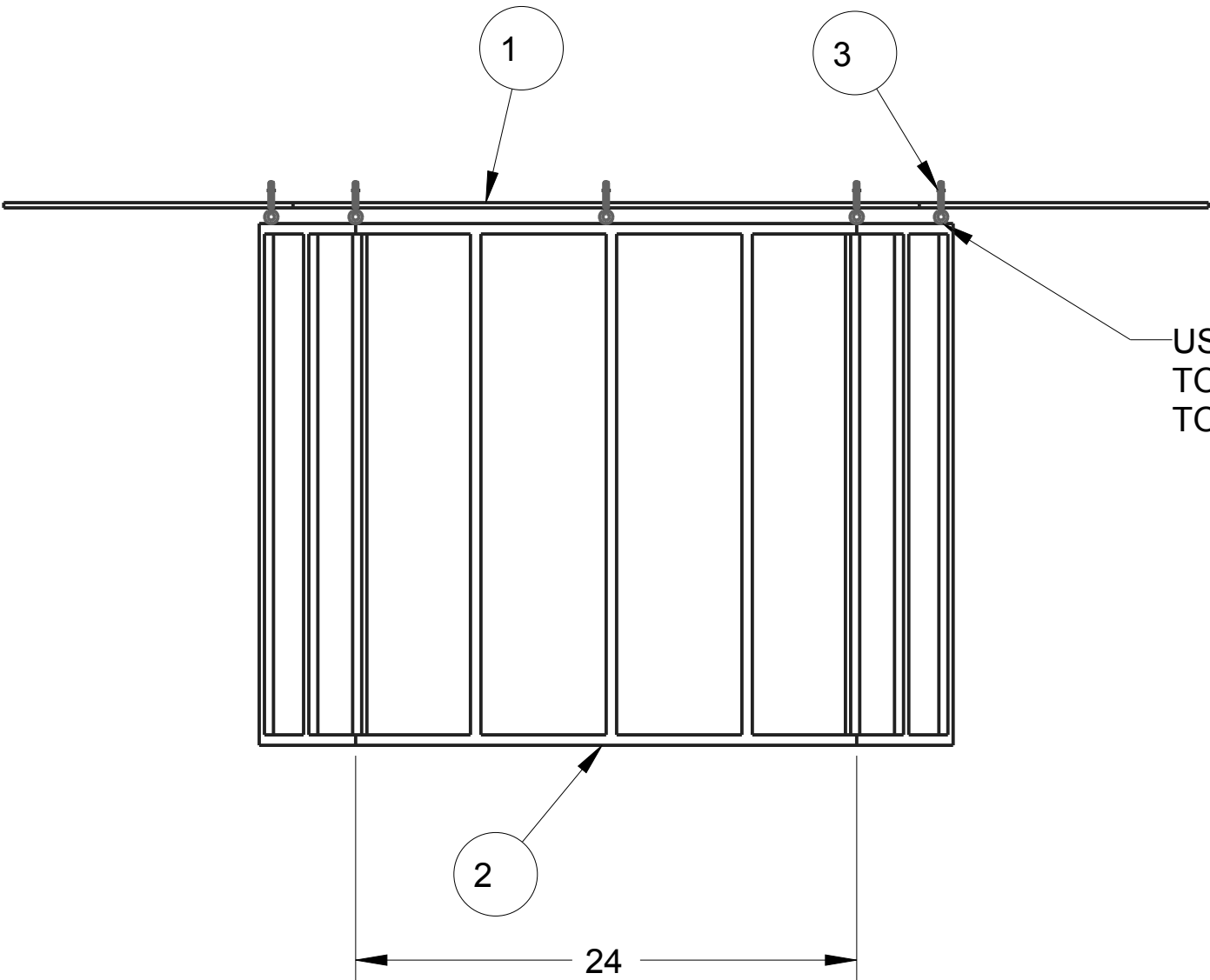
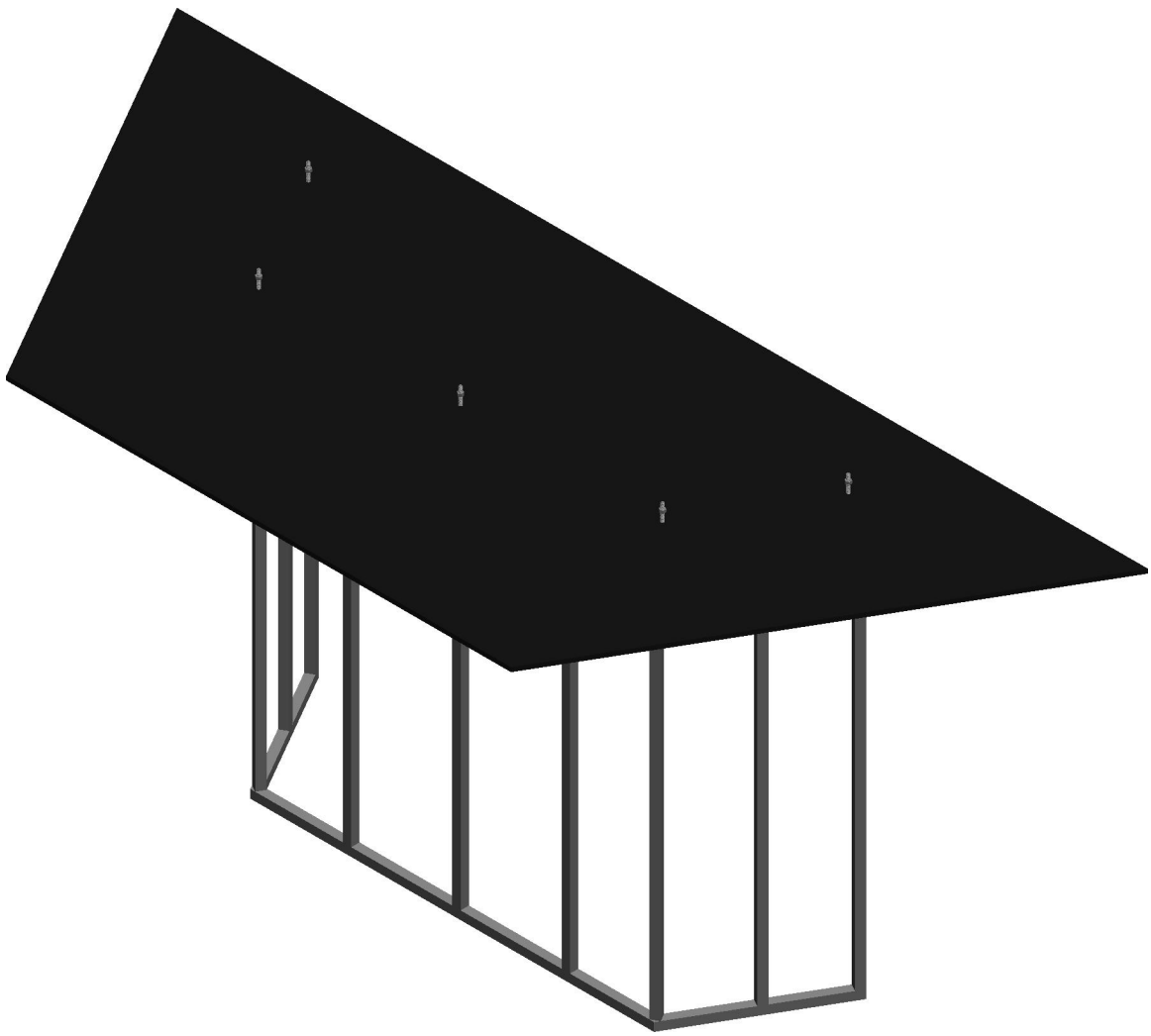
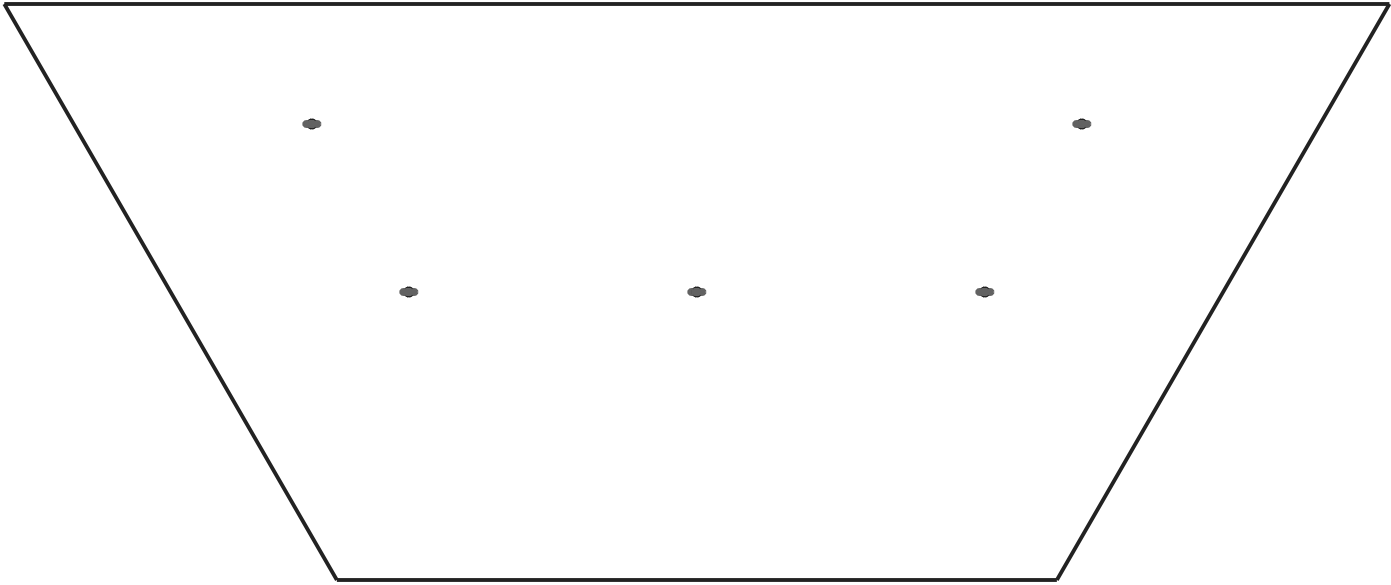
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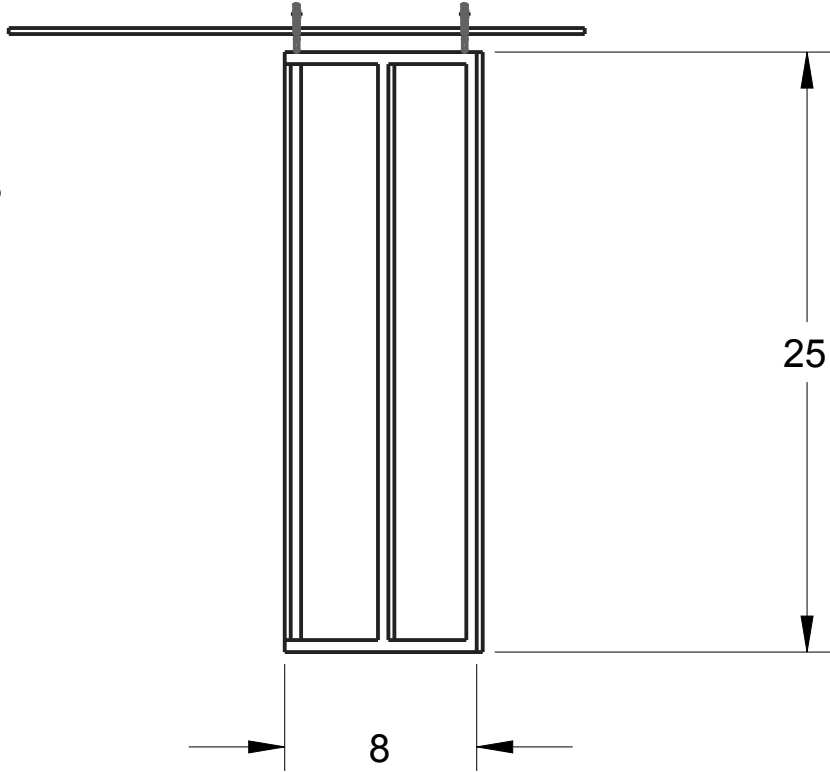
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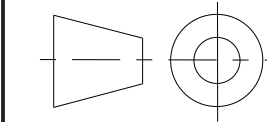
MODEL NAME	TITLE
GE-16235	TOWER ROOF ASSEMBLY



USE CABLE TIES OR CARABEENERS
TO ATTACH CHAIN TOGETHER AND
TO EYELETS. 18 PLACES



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16213	1	ROOF, TOWER	
2	GE-16235-01	1	CHAIN ASSEMBLY	26 ft. of #2/0 Straight Link Chain
3	HW-00115	5	EYELET, #10-24	



UNLESS OTHERWISE SPECIFIED ALL
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1

DO NOT SCALE

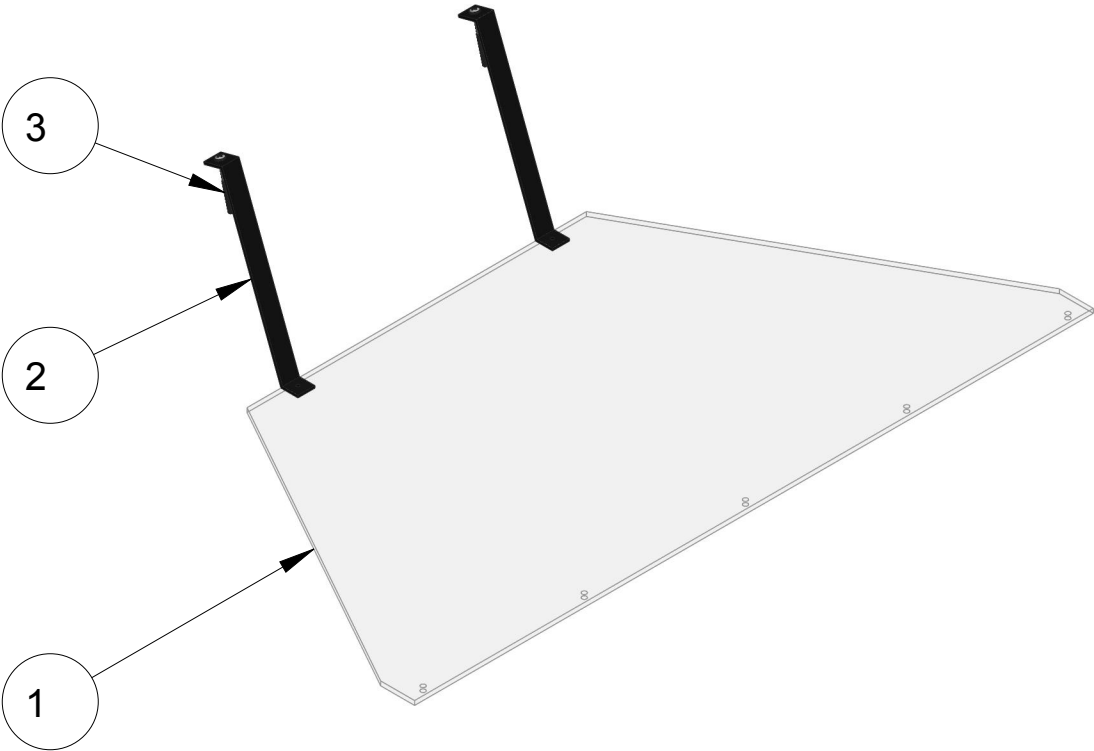
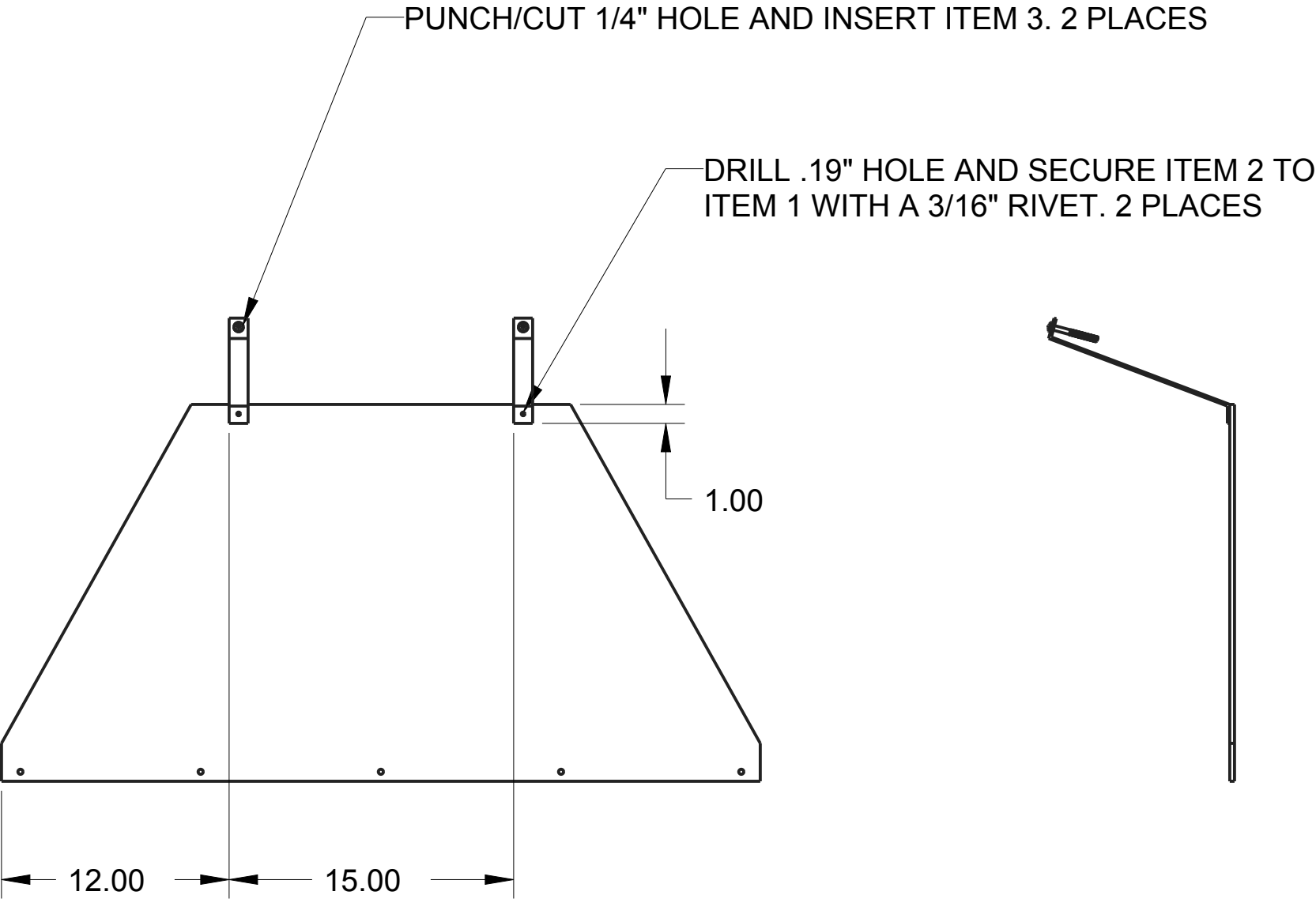


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TITLE
TOWER ROOF ASSEMBLY

PROJECT	MODEL NAME GE-16235	ISSUE
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SCALE 1:8	SHEET 1 OF 1



ITEM NO	PART NUMBER	QTY	DESCRIPTION	NOTES
1	GE-16106	1	ramp, high goal	
2	GE-16236-01	2	1" Nylon Webbing	12" Lengths
3	HW-00089	2	1/4"-20 Machine Screw, 2.5" Long	

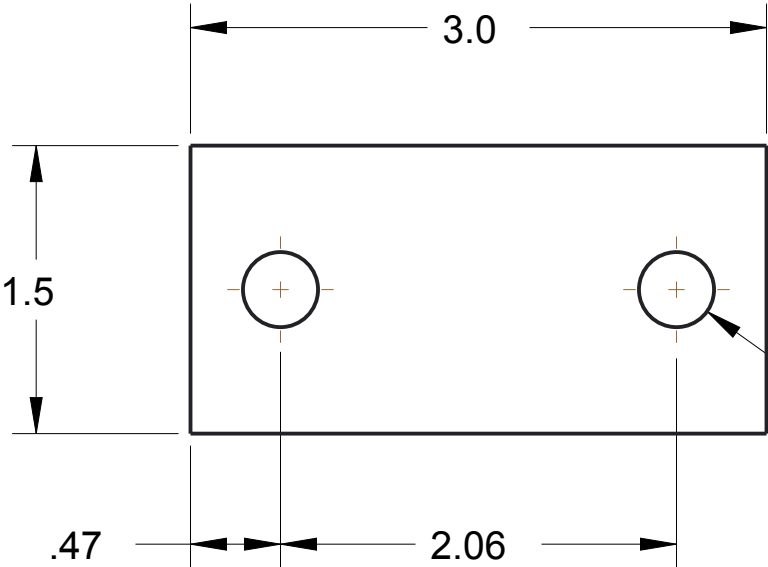
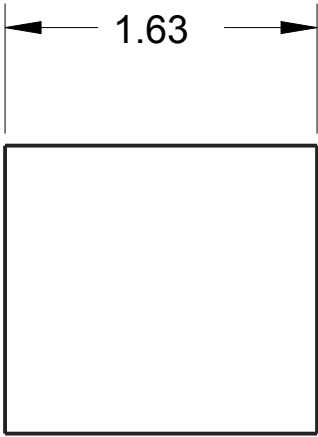
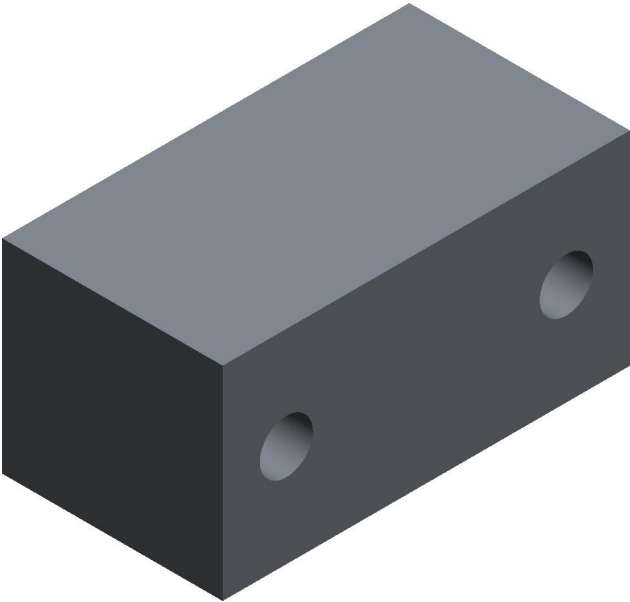


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SCALE 1:8	SHEET 1 OF1	
TITLE UPPER SCORING RAMP ASSEMBLY		
PROJECT	MODEL NAME GE-16236	ISSUE


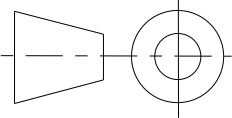
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TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°

DO NOT SCALE



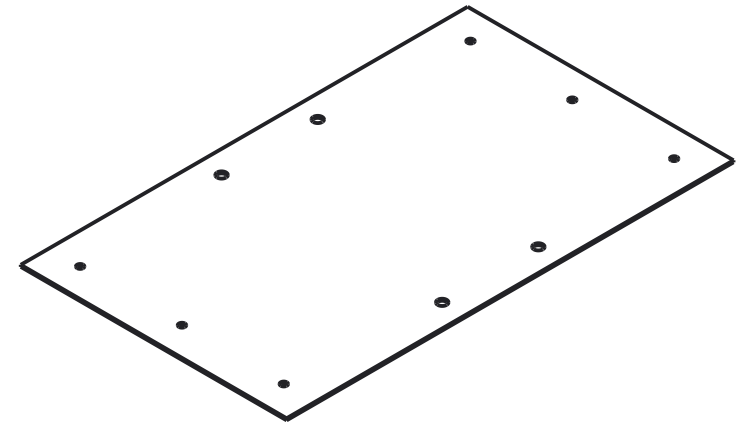
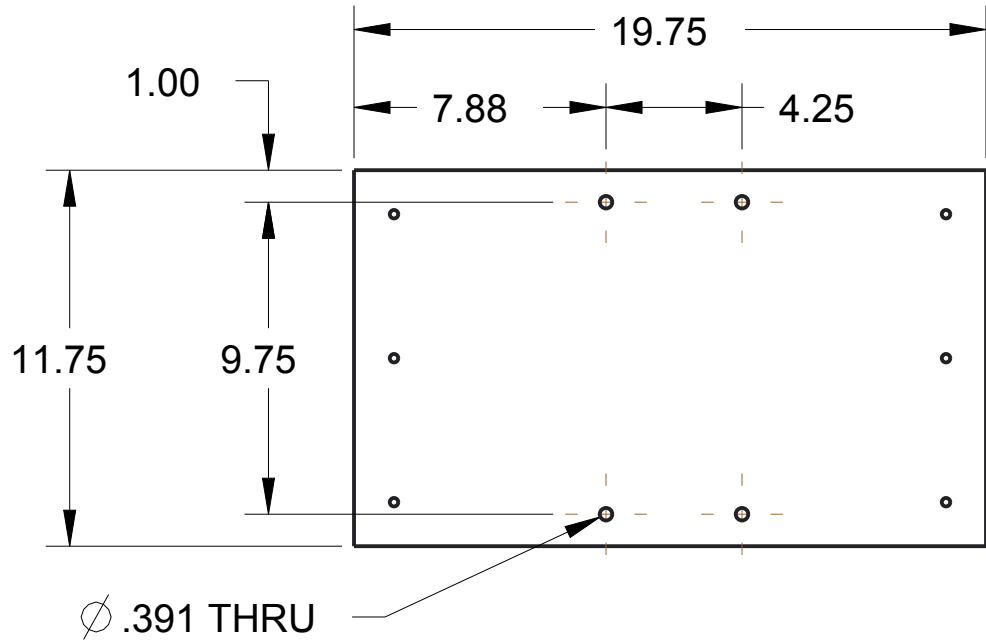
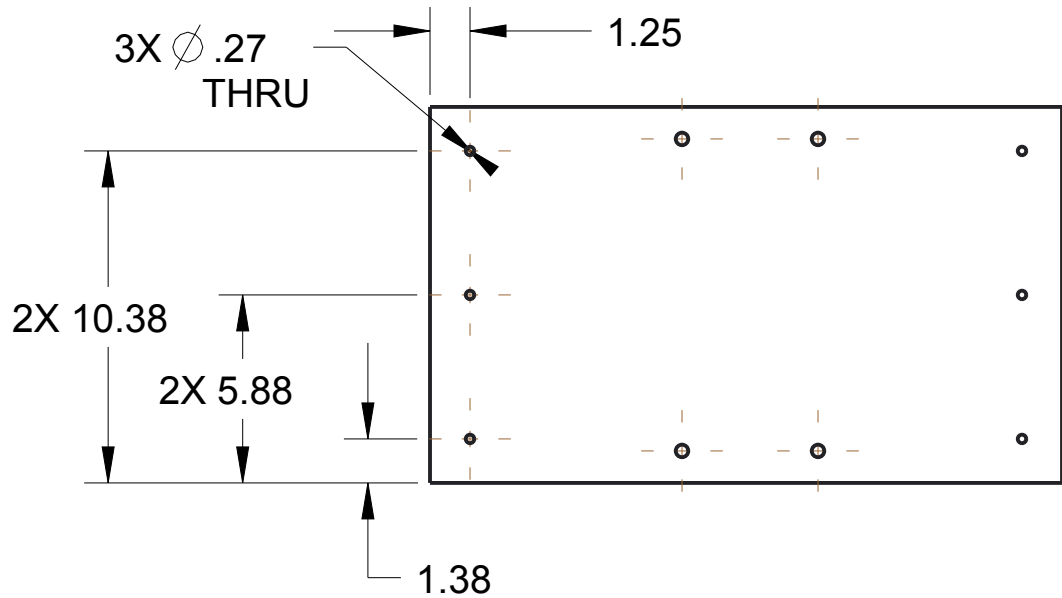
2X Ø .39
Thru

Notes:
1. Material: Pine or other type of wood

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	TITLE Spacer, U-Bolt	
	PROJECT	MODEL NAME GE-16241 ISSUE

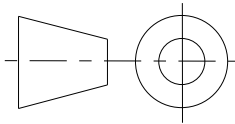

MODEL NAME GE-16239	TITLE Plate, Cheval de Frise
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Rev	Zone	Description	Date	Initial
A	B-1, B-3	Material changed from 13 to 14 Ga.	3/31/16	DAF



NOTE

A Material: 14 Ga. Galvanized Steel
Scale: 1:6

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TITLE Plate, Cheval de Frise			
PROJECT		MODEL NAME GE-16239	ISSUE
DO NOT SCALE			

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
X.X +/- 0.1
X.XX +/- 0.01
X.XXX +/- 0.001
ANG +/- 1°
DO NOT SCALE

