

# Revisions and Add-Ons[New Connection Designs]

## Contents:

- Bridge Assembly Drawing
- Connection A Drawing
- Connection B Drawing
- Connection 0.5B Drawing
- Connection C Drawing
- Connection D Drawing

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN	
TOLERANCES:	CHECKED	
FRACTIONAL ±	ENG APPR.	
ANGULAR: MACH ± BEND ±	MFG APPR.	
TWO PLACE DECIMAL ±	Q.A.	
THREE PLACE DECIMAL ±	COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:		
MATERIAL		
FINISH		
USED ON		
APPLICATION		
DO NOT SCALE DRAWING		

PROPRIETARY AND CONFIDENTIAL

TITLE:

Additional Plans

SIZE DWG. NO. REV

**B** New Connections

SCALE: WEIGHT: SHEET 1 OF 1

B

A

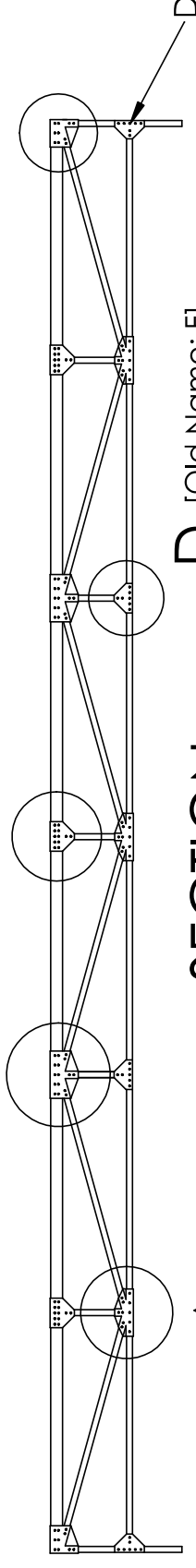
# New Naming Scheme for Connection Locations

[Old Name: A]

C [Old Name: B]

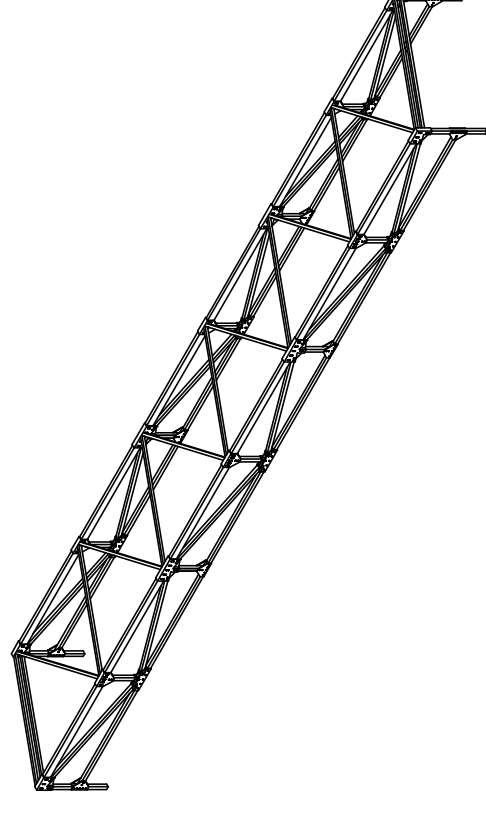
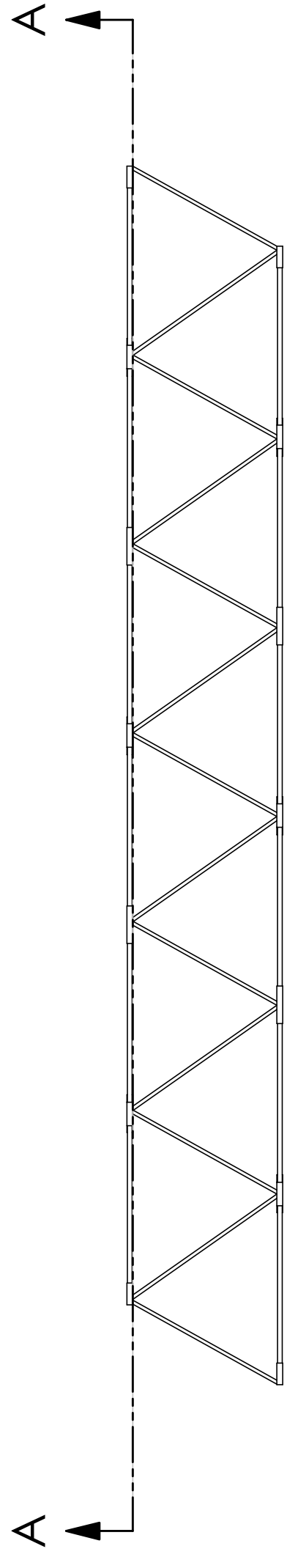
B [Old Name: C]

0.5B



**SECTION A-A** [Old Name: F]

SCALE 1 : 30



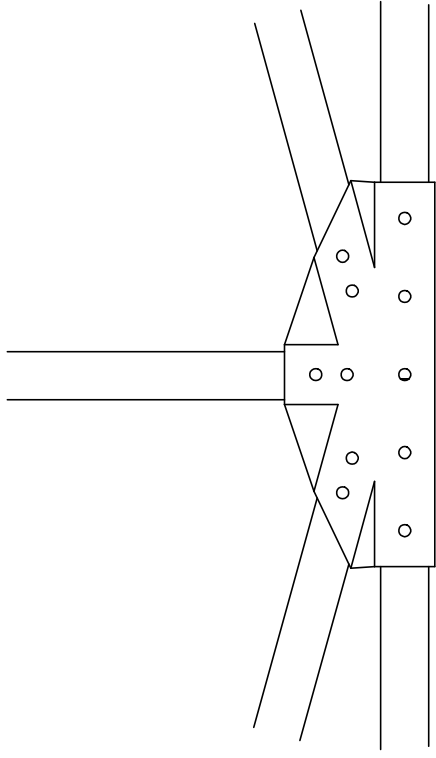
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN	E. KEISER	
TOLERANCES:	CHECKED		
FRACTIONAL ±	ENG APPR.		
ANGULAR: MACH ± BEND ±	MFG APPR.		
TWO PLACE DECIMAL ±	Q.A.		
THREE PLACE DECIMAL ±	COMMENTS: Shows new connection detail locations		
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
FINISH			
NEXT ASSY	USED ON		
APPLICATION	DO NOT SCALE DRAWING		

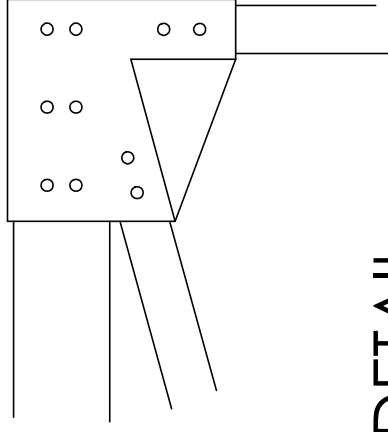
SIZE	DWG. NO.	REV
<b>B</b>	<b>Bridge Assembly</b>	<b>1</b>
SCALE: 1:30		WEIGHT: SHEET 1 OF 2

B

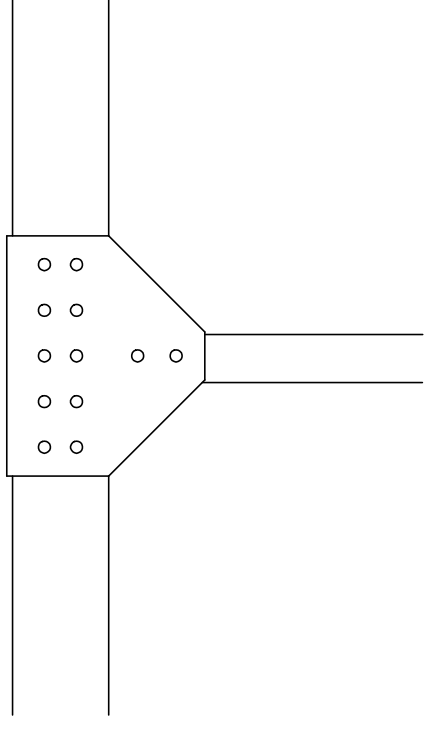
A



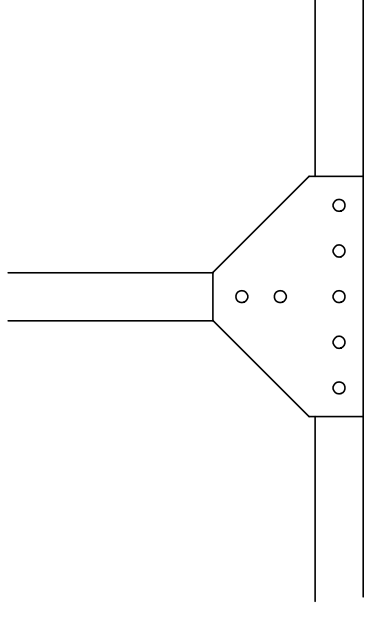
**DETAIL A**  
SCALE 1 : 4



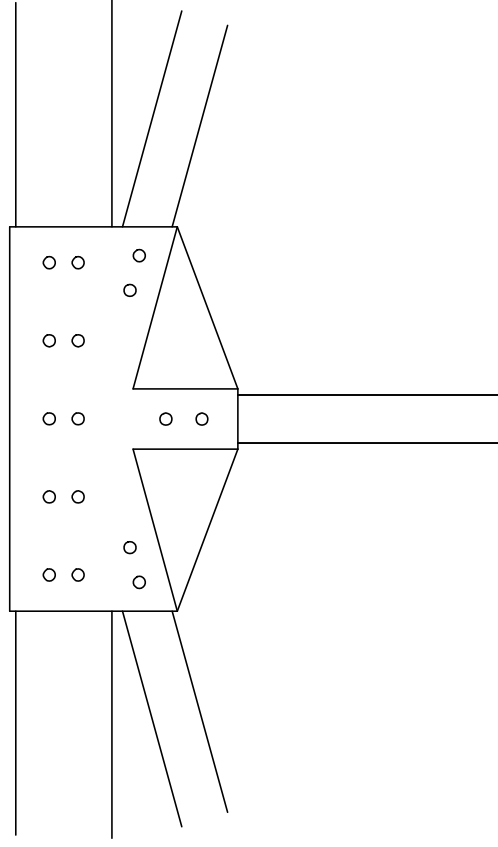
**DETAIL 0.5B**  
SCALE 1 : 4



**DETAIL C**  
SCALE 1 : 4



**DETAIL D**  
SCALE 1 : 4



**DETAIL B**  
SCALE 1 : 4

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DIMENSIONS ARE IN INCHES				
TOLERANCES:				
FRACTIONAL ±				
ANGULAR: MACH ± BEND ±				
TWO PLACE DECIMAL ±				
THREE PLACE DECIMAL ±				
INTERPRET GEOMETRIC TOLERANCING PER:				
MATERIAL				
FINISH				
NEXT ASSY			USED ON	
APPLICATION		DO NOT SCALE DRAWING		

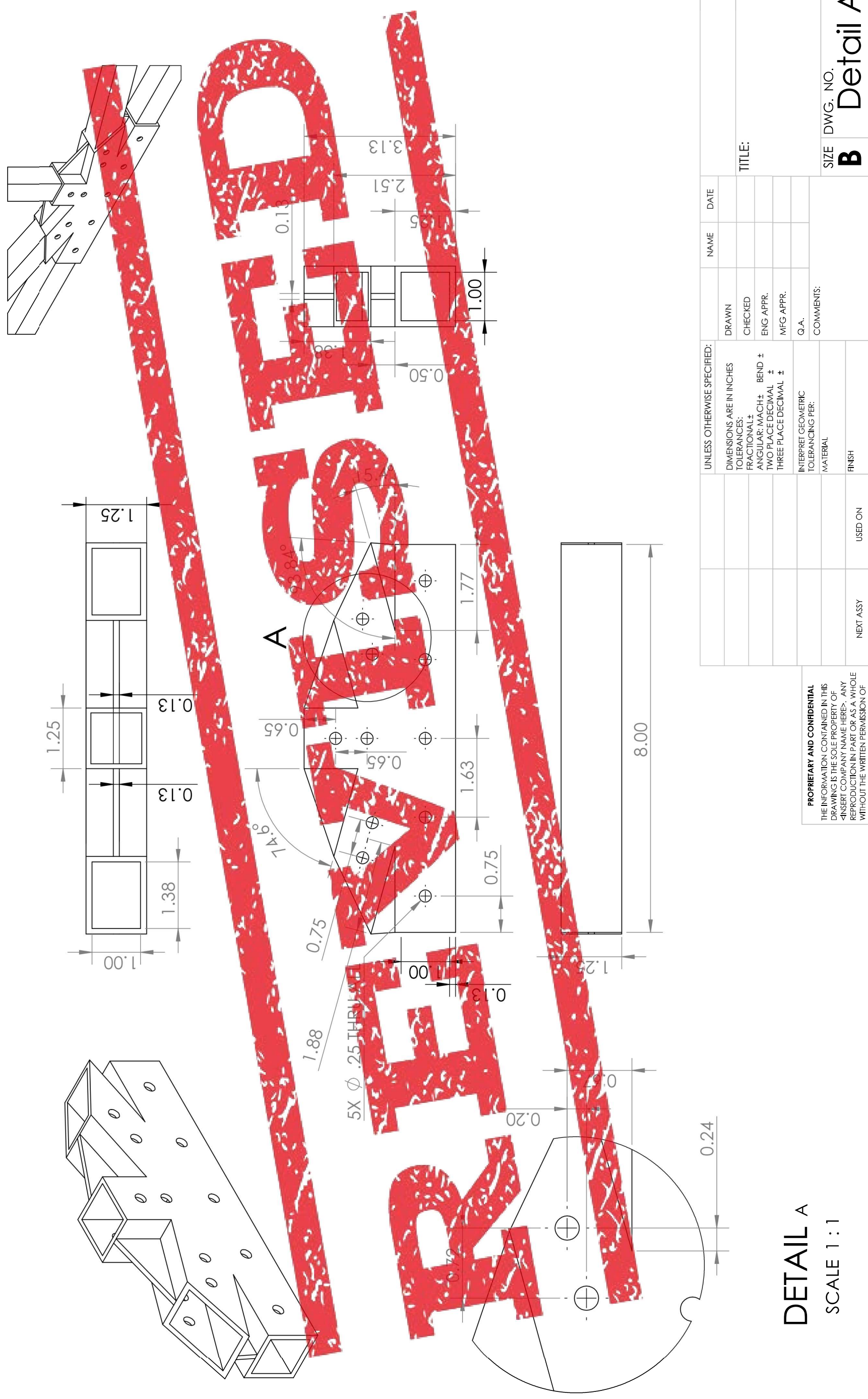
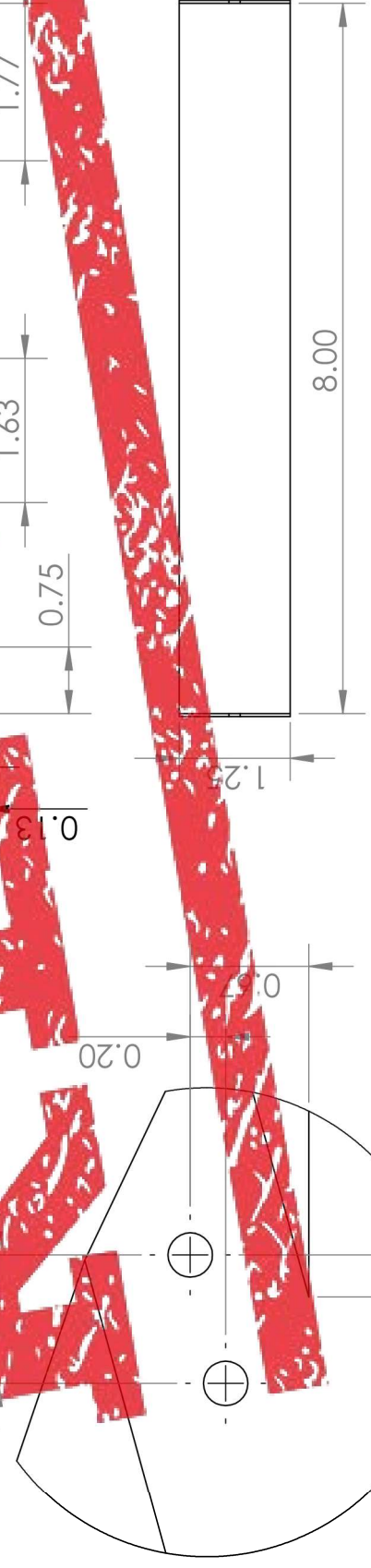
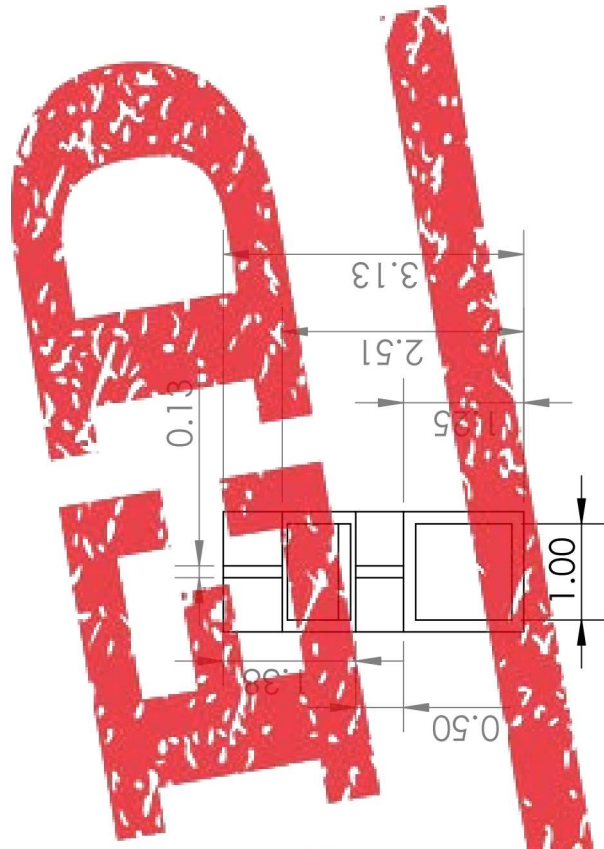
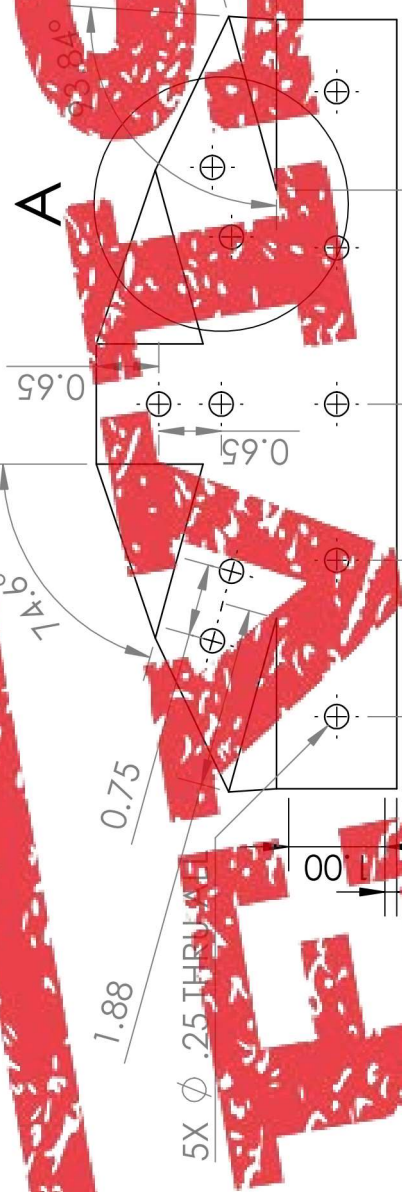
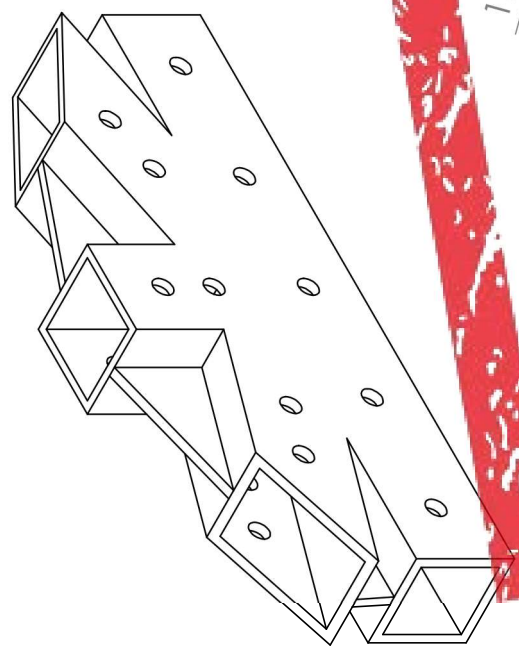
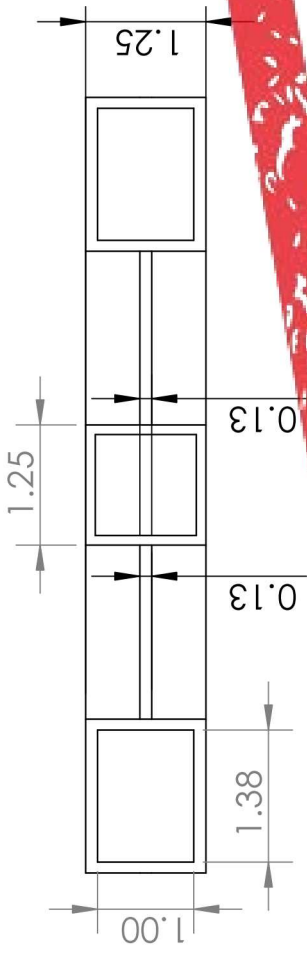
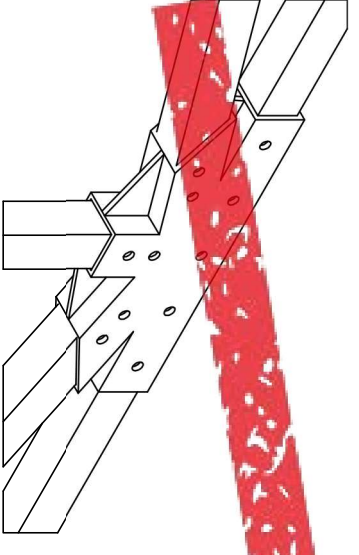
DRAWN	NAME	DATE	TITLE: Details for bridge assembly connections
CHECKED	E. KEISER		
ENG APPR.			
MFG APPR.			
Q.A.			
COMMENTS:			SIZE DWG. NO.
			<b>B</b> Bridge Assembly
			REV
			SCALE: 1:4 WEIGHT: SHEET 2 OF 2

B

A

B

A



DETAIL A  
SCALE 1:1

UNLESS OTHERWISE SPECIFIED:	DRAWN	NAME	DATE
DIMENSIONS ARE IN INCHES	CHECKED		
TOLERANCES:	ENG APPR.		
FRACTIONAL: ±	MFG APPR.		
ANGULAR: MACH ± BEND ±	Q.A.		
TWO PLACE DECIMAL ±	COMMENTS:		
THREE PLACE DECIMAL ±			
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
FINISH			
NEXT ASSY	USED ON		
APPLICATION	DO NOT SCALE DRAWING		

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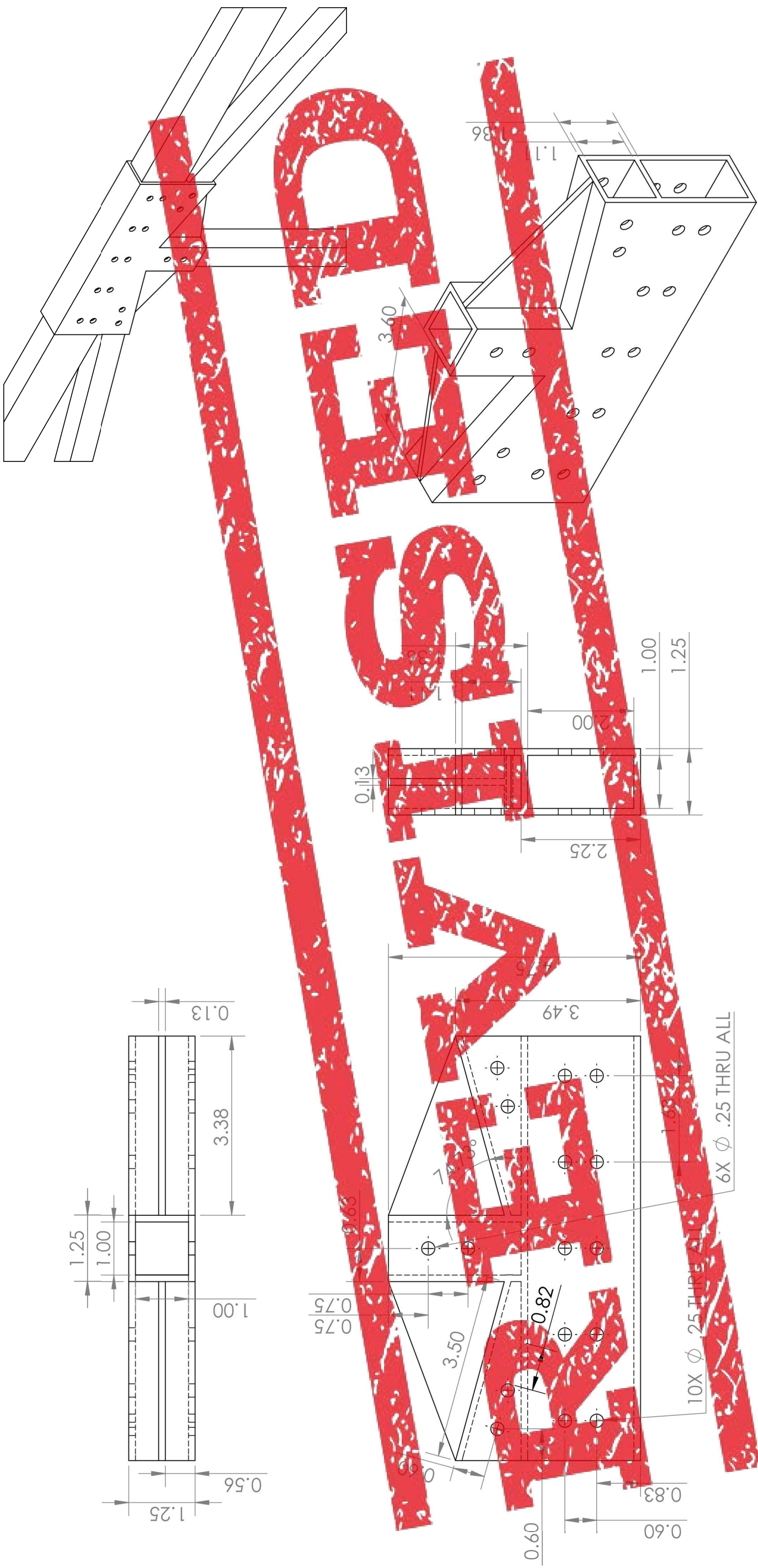
SIZE DWG. NO. **B** **Detail A** REV

1:2 WEIGHT: SHEET 1 OF 1

4 3 2 1

B A

4 3 2 1 45

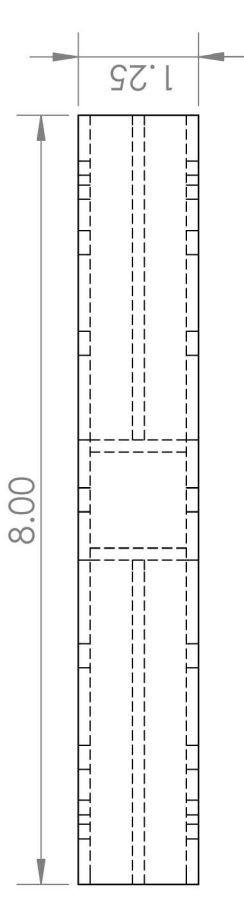


B

B

A

A



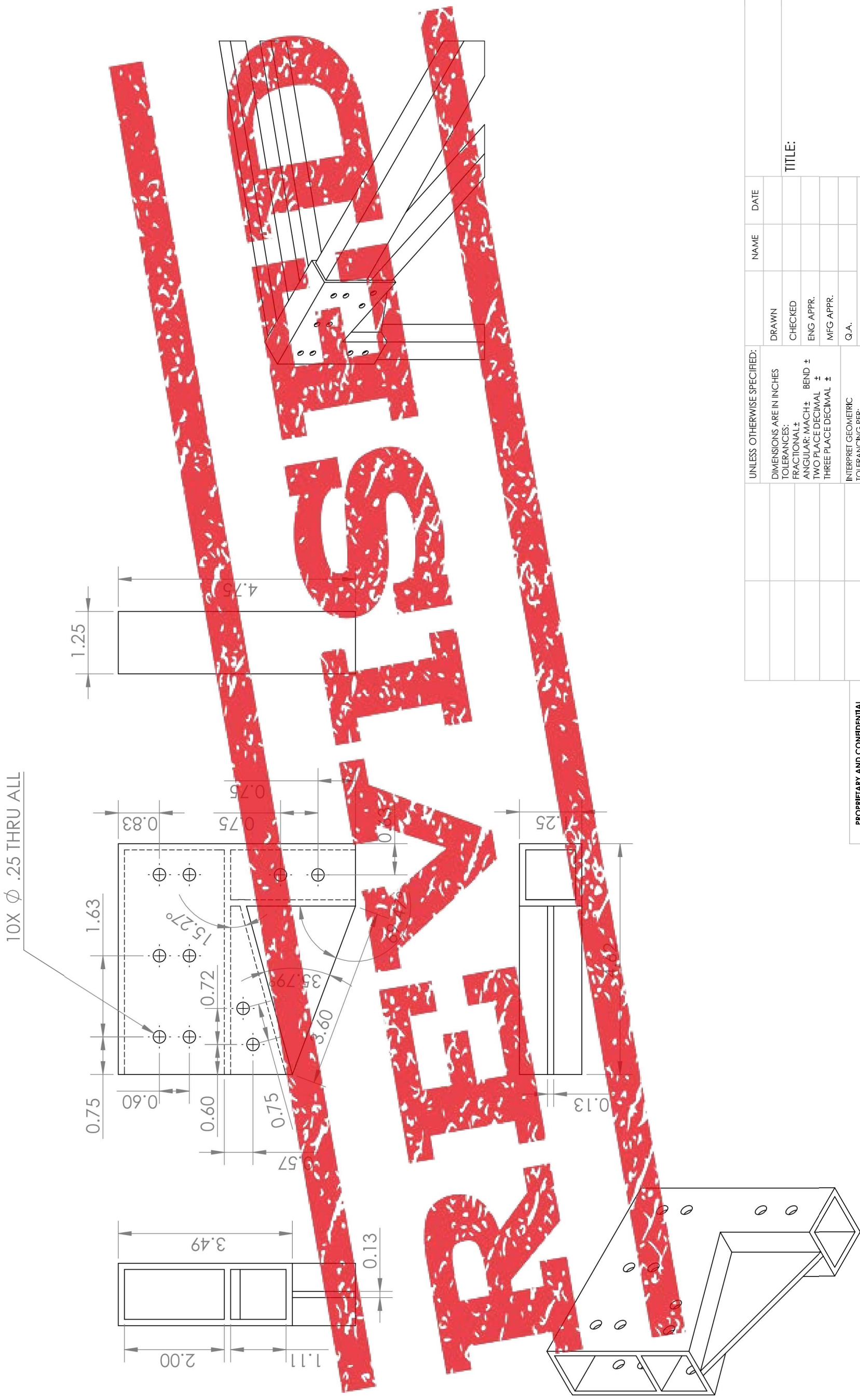
UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN		
TOLERANCES:	CHECKED		
FRACTIONAL: ±	ENG APPR.		
ANGULAR: MACH ± BEND ±	MFG APPR.		
TWO PLACE DECIMAL ±	Q.A.		
THREE PLACE DECIMAL ±	COMMENTS:		
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
FINISH			
USED ON			
APPLICATION			
DO NOT SCALE DRAWING			

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SIZE	DWG. NO.	REV
<b>B</b>	<b>Detail B</b>	
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

B

A



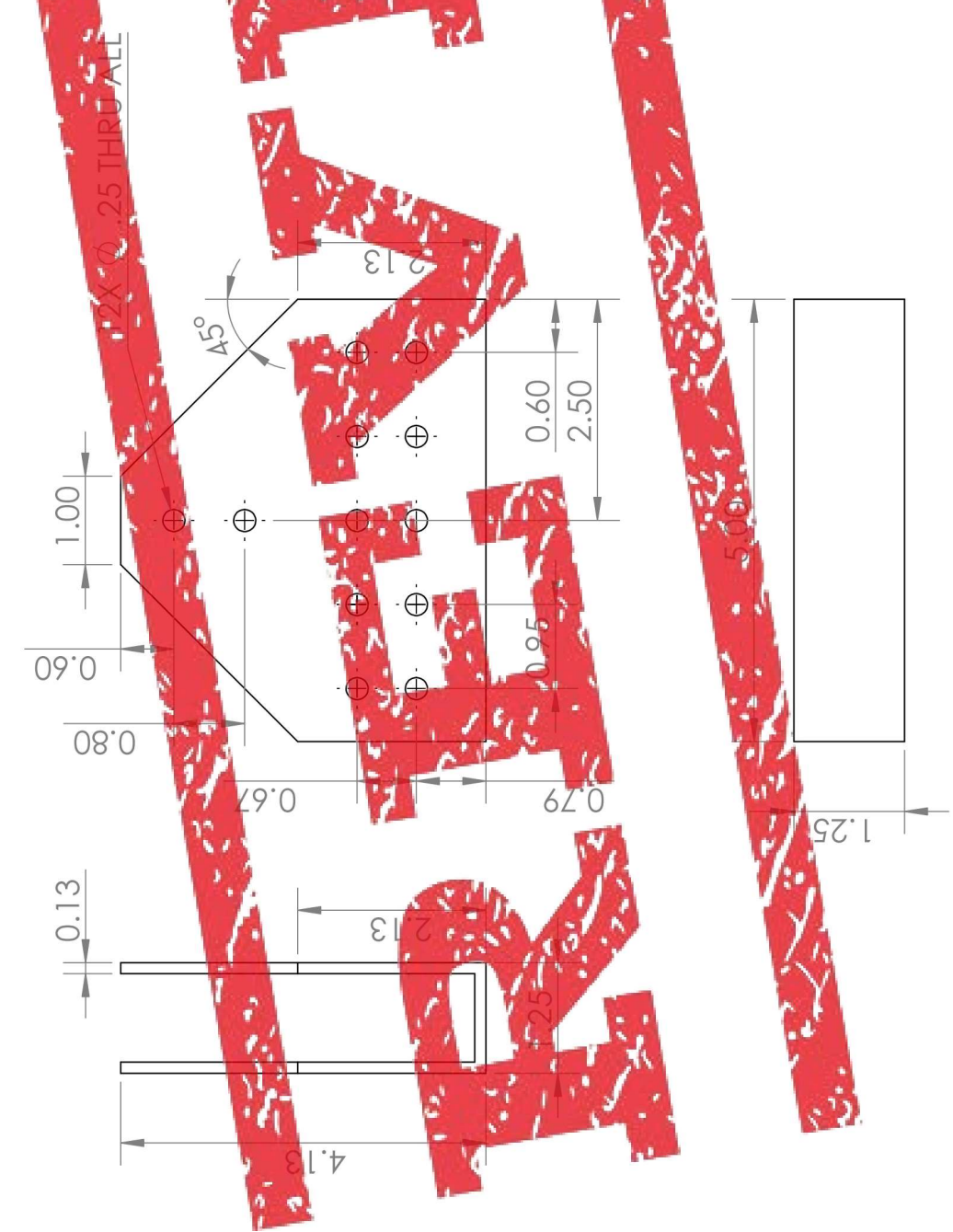
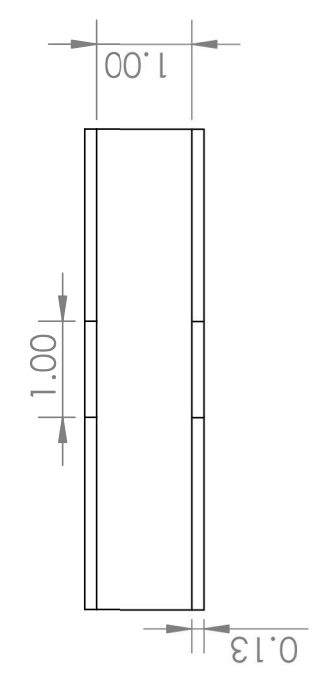
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN		
TOLERANCES:	CHECKED		
FRACTIONAL ±	ENG APPR.		
ANGULAR: MACH ± BEND ±	MFG APPR.		
TWO PLACE DECIMAL ±	Q.A.		
THREE PLACE DECIMAL ±	COMMENTS:		
	END OF BRIDGE CONNECTION		
	EFFECTIVE HALF OF CONNECTION B		
	MATERIAL		
	FINISH		
	USED ON		
	APPLICATION		
	DO NOT SCALE DRAWING		

SIZE DWG. NO. REV  
**B** Detail 0.5B

SCALE: 1:2 WEIGHT: SHEET 1 OF 1

4 3 2 1



B

A

B

A

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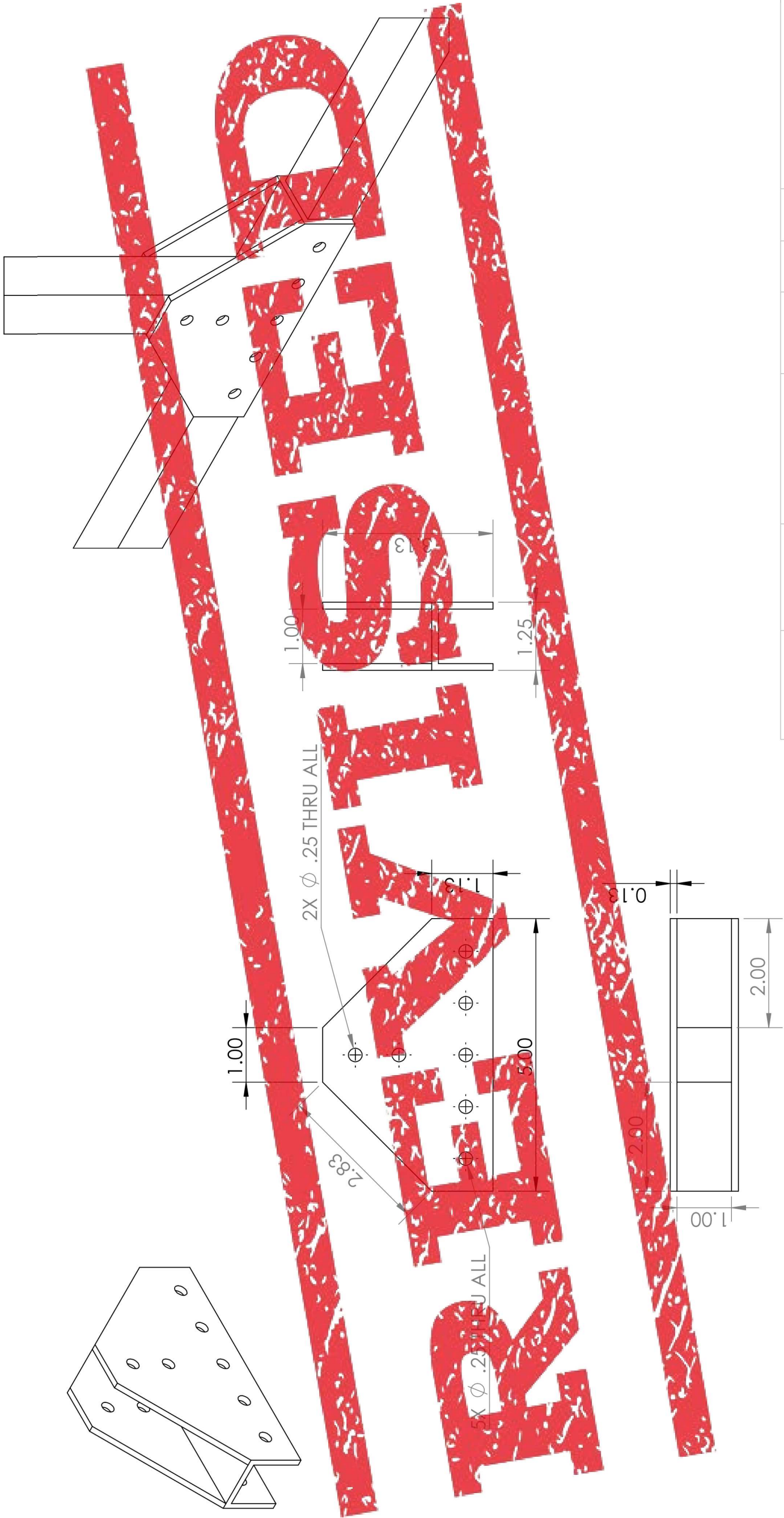
UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN		
TOLERANCES:	CHECKED		
FRACTIONAL: ±	ENG APPR.		
ANGULAR: MACH ± BEND ±	MFG APPR.		
TWO PLACE DECIMAL ±	Q.A.		
THREE PLACE DECIMAL ±	COMMENTS: FOR 3-MEMBER NODE AT TOP CHORD		
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
FINISH			
USED ON			
APPLICATION			
DO NOT SCALE DRAWING			

TITLE:

SIZE DWG. NO. **B** Detail C REV

SCALE: 1:2 WEIGHT: SHEET 1 OF 1

4 3 2 1



B

A

B

A

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DIMENSIONS ARE IN INCHES	DRAWN	
TOLERANCES:	CHECKED	
FRACTIONAL: ±	ENG APPR.	
ANGULAR: MACH ± BEND ±	MFG APPR.	
TWO PLACE DECIMAL ±	Q.A.	
THREE PLACE DECIMAL ±	COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:		
MATERIAL		
FINISH		
NEXT ASSY	USED ON	
APPLICATION	DO NOT SCALE DRAWING	

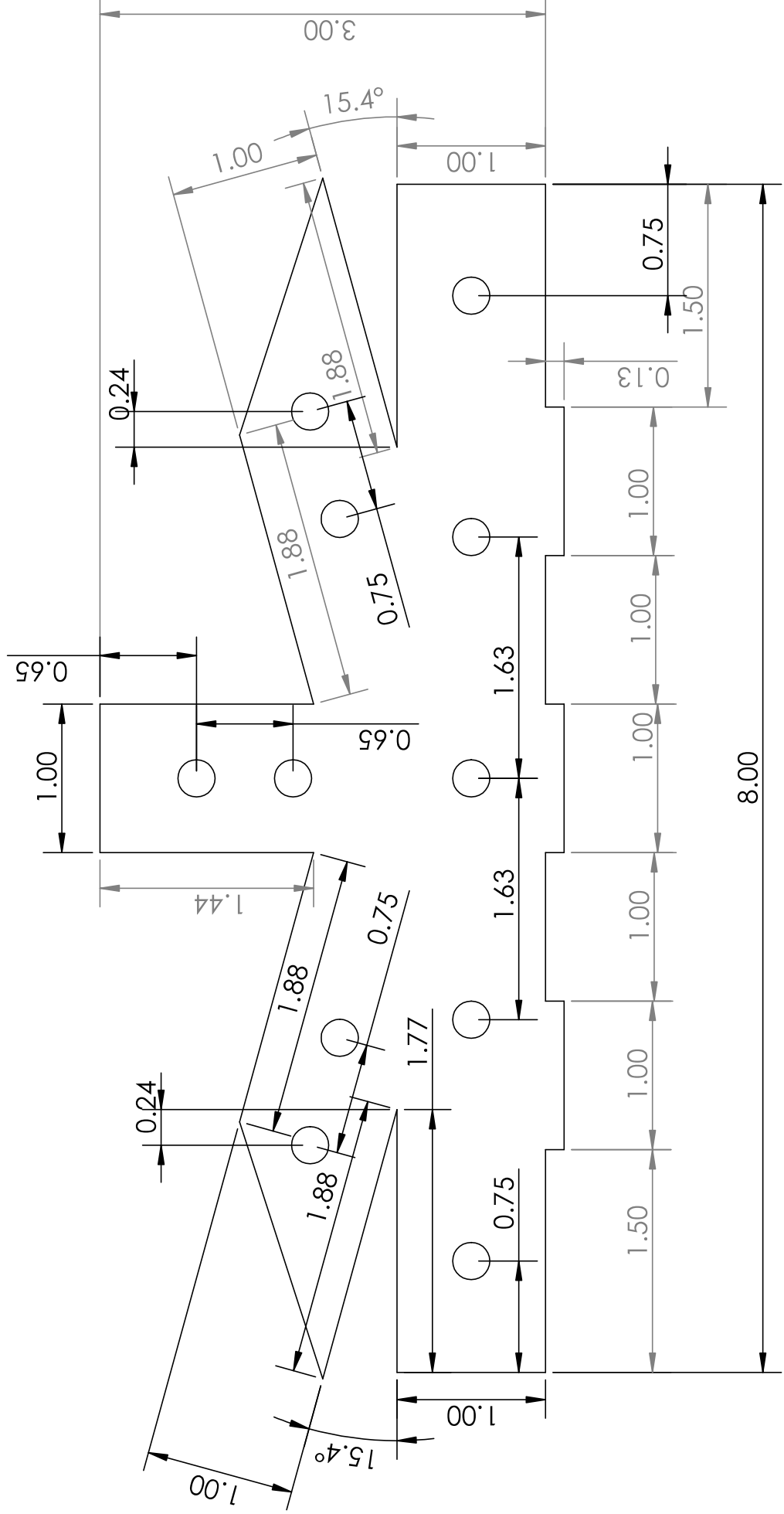
TITLE:  
 SIZE DWG. NO. REV  
**B** Detail D

SCALE: 1:2 WEIGHT: SHEET 1 OF 1

4 3 2 1 49



QTY REQUIRED: 12  
 MATERIAL: GRADE 50 ASTM 1011  
 THICKNESS: 11 GA



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UNLESS OTHERWISE SPECIFIED:		DRAWN		NAME		DATE	
DIMENSIONS ARE IN INCHES		CHECKED		ELK		3.29.21	
TOLERANCES:		ENG APPR.		MEB		3.30.21	
FRACTIONAL ±		MFG APPR.					
ANGULAR: MACH ± BEND ±		Q.A.					
TWO PLACE DECIMAL ±		COMMENTS:					
THREE PLACE DECIMAL ±		MATERIAL					
INTERPRET GEOMETRIC TOLERANCING PER:		ASTM 1011 - Grade 50 - 11 ga.					
A-2		Conn. A					
NEXT ASSY		USED ON					
APPLICATION		Unfinished					
DO NOT SCALE DRAWING							

TITLE:  
**Side plates for connection A**

SIZE	DWG. NO.	REV
<b>B</b>	<b>A-1</b>	<b>1</b>
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

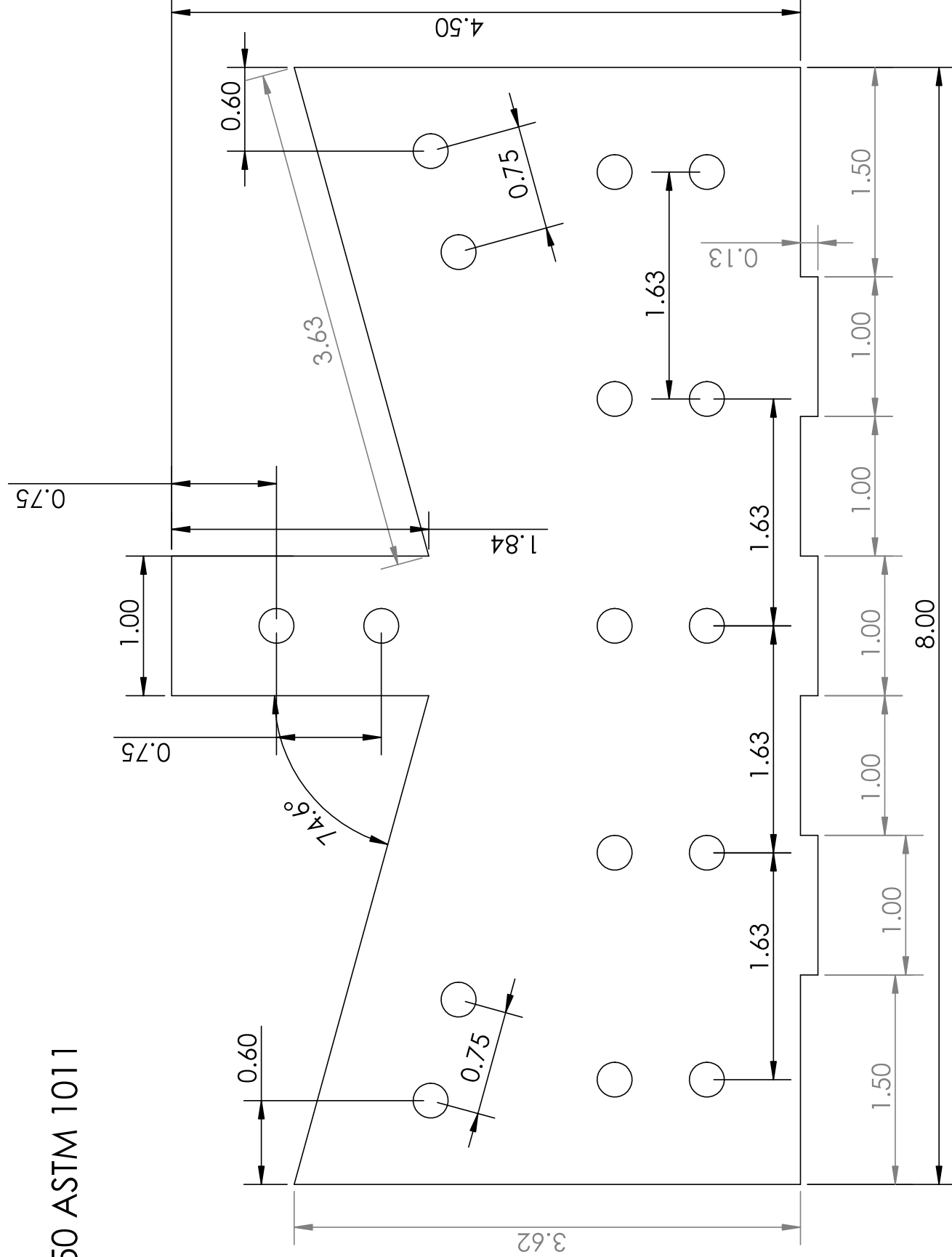
1

2

3

4

QTY REQUIRED: 8  
 MATERIAL: GRADE 50 ASTM 1011  
 THICKNESS: 11 GA



B

B

A

A

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		ELK	3.29.21
TOLERANCES:		MEB	3.30.21
FRACTIONAL ±			
ANGULAR: MACH ± BEND ±			
TWO PLACE DECIMAL ±			
THREE PLACE DECIMAL ±			
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL		COMMENTS:	
A-2	CONN. B	GRADE 50 ASTM 1011	
NEXT ASSY	USED ON	FINISH	
	APPLICATION	UNFINISHED	
		DO NOT SCALE DRAWING	

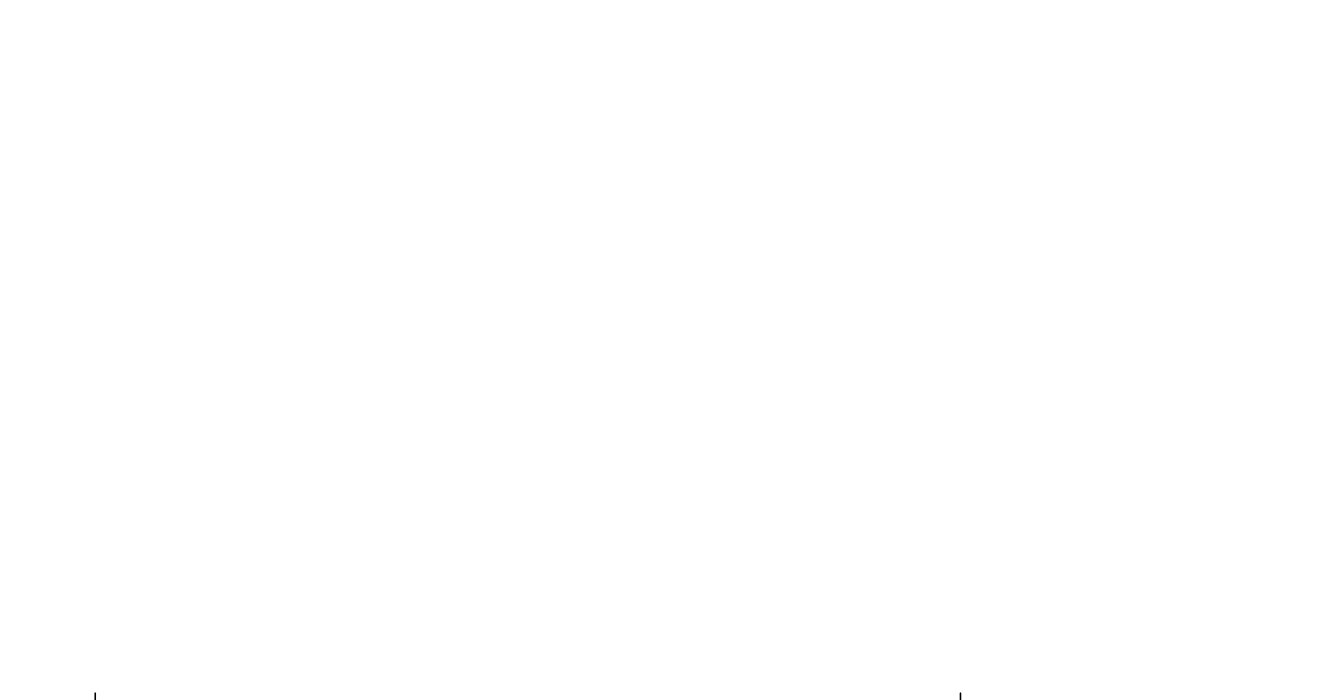
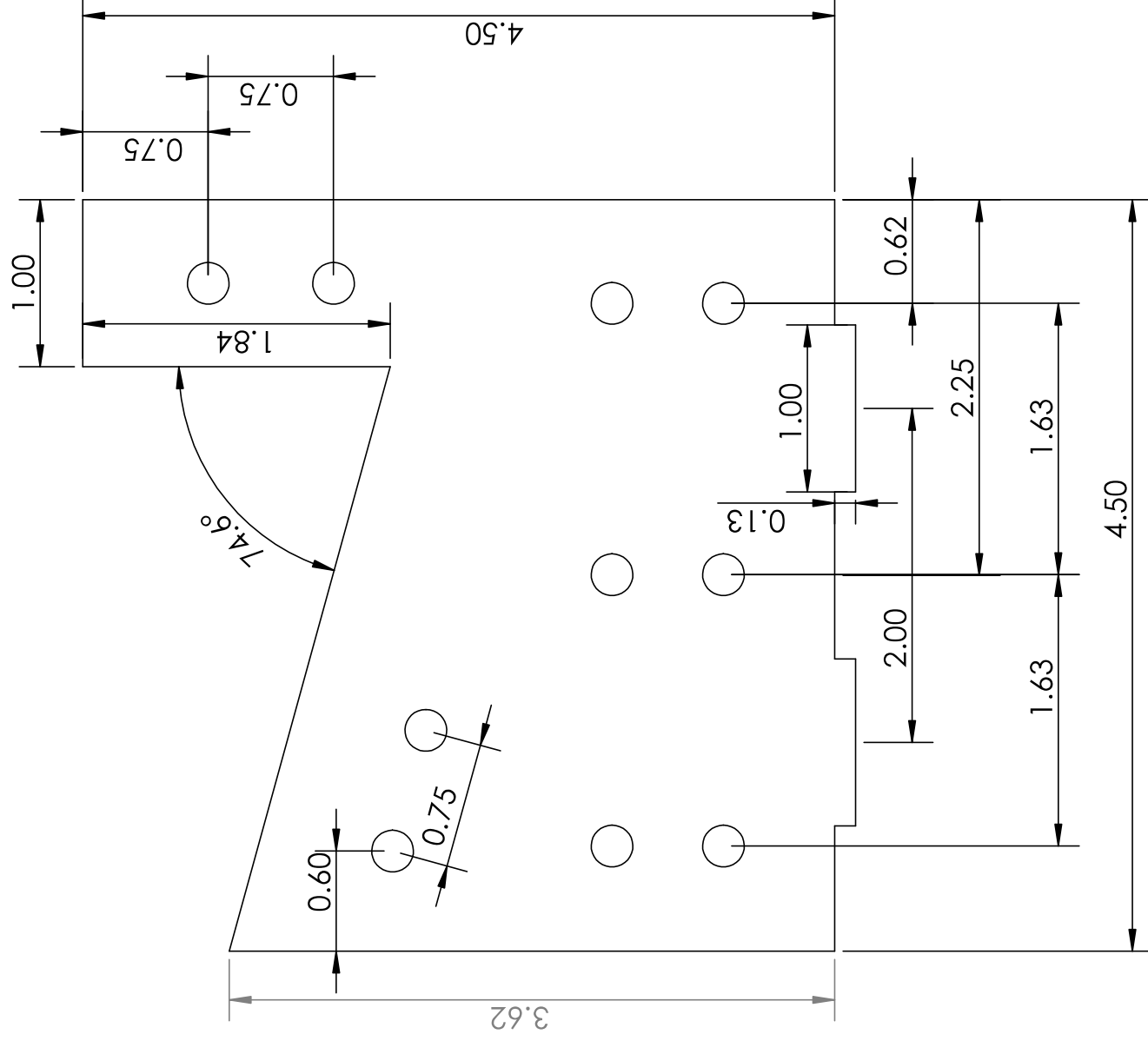
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TITLE:  
**SIDE PLATE FOR  
 CONN. B**

SIZE DWG. NO. REV  
**B B-1 1**

SCALE: 1:1 WEIGHT: SHEET 1 OF 1

QTY REQUIRED: 8  
 MATERIAL: GRADE 50 ASTM 1011  
 THICKNESS: 11 GA



UNLESS OTHERWISE SPECIFIED:		DRAWN		NAME		DATE	
DIMENSIONS ARE IN INCHES		CHECKED		ELK		3.29.21	
TOLERANCES:		ENG APPR.		MEB		3.30.21	
FRACTIONAL ±		MFG APPR.					
ANGULAR: MACH ± BEND ±		Q.A.					
TWO PLACE DECIMAL ±		COMMENTS:					
THREE PLACE DECIMAL ±		GRADE 50 ASTM 1011					
INTERPRET GEOMETRIC TOLERANCING PER:		FINISH					
MATERIAL		UNFINISHED					
GRADE 50 ASTM 1011		DO NOT SCALE DRAWING					
NEXT ASSY		APPLICATION					
USED ON							
CONN. 0.5B							

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TITLE:  
**SIDE PLATES FOR CONN 0.5B**

SIZE DWG. NO. REV  
**B 0.5B-1 1**

SCALE: 1:1 WEIGHT: SHEET 1 OF 1

1

2

3

4

B

B

A

A

52

1

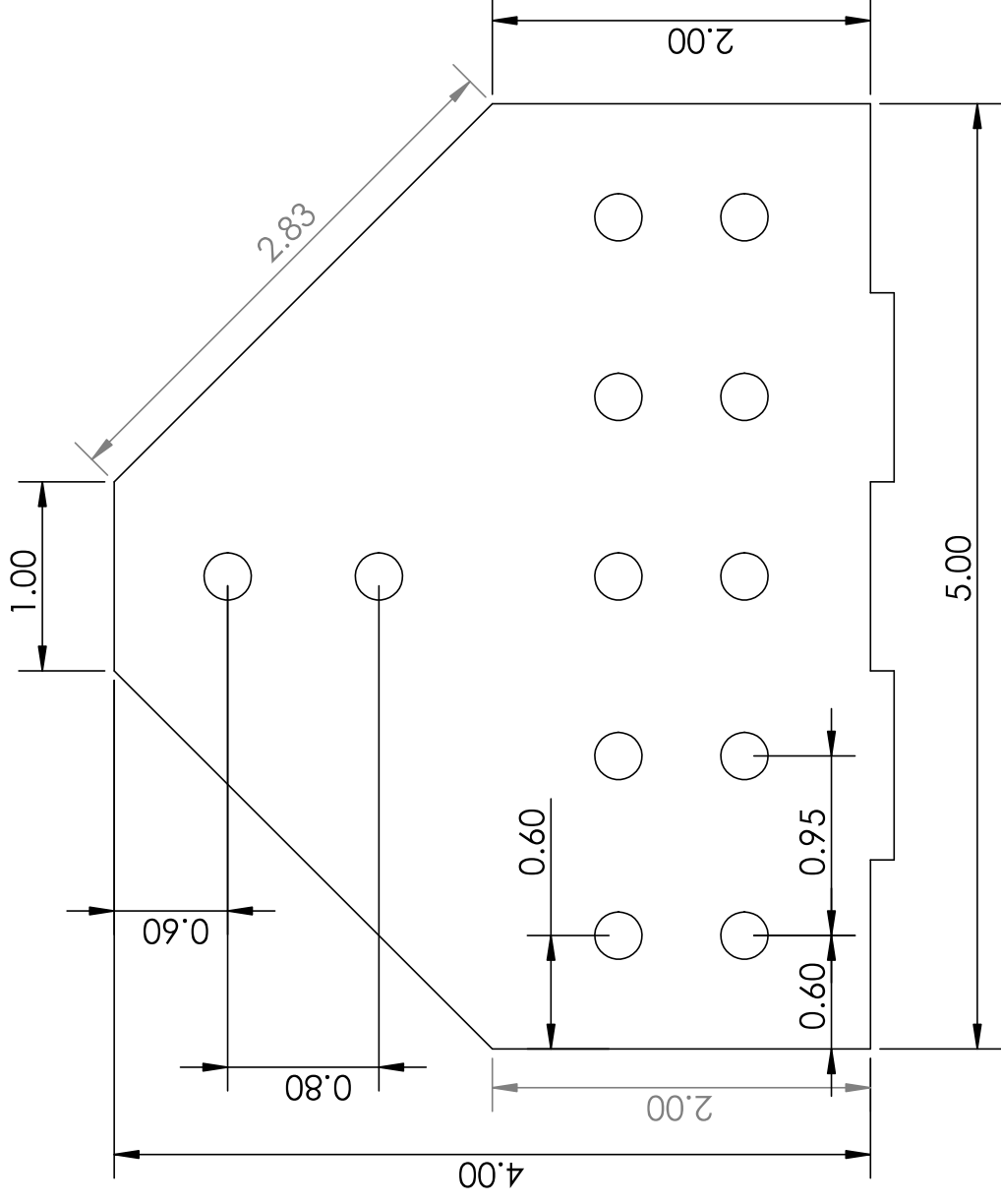
2

3

4

52

QTY REQUIRED: 12  
 MATERIAL: GRADE 50 ASTM 1011  
 THICKNESS: 11 GA



SIDE PLATE FOR  
 CONN. C

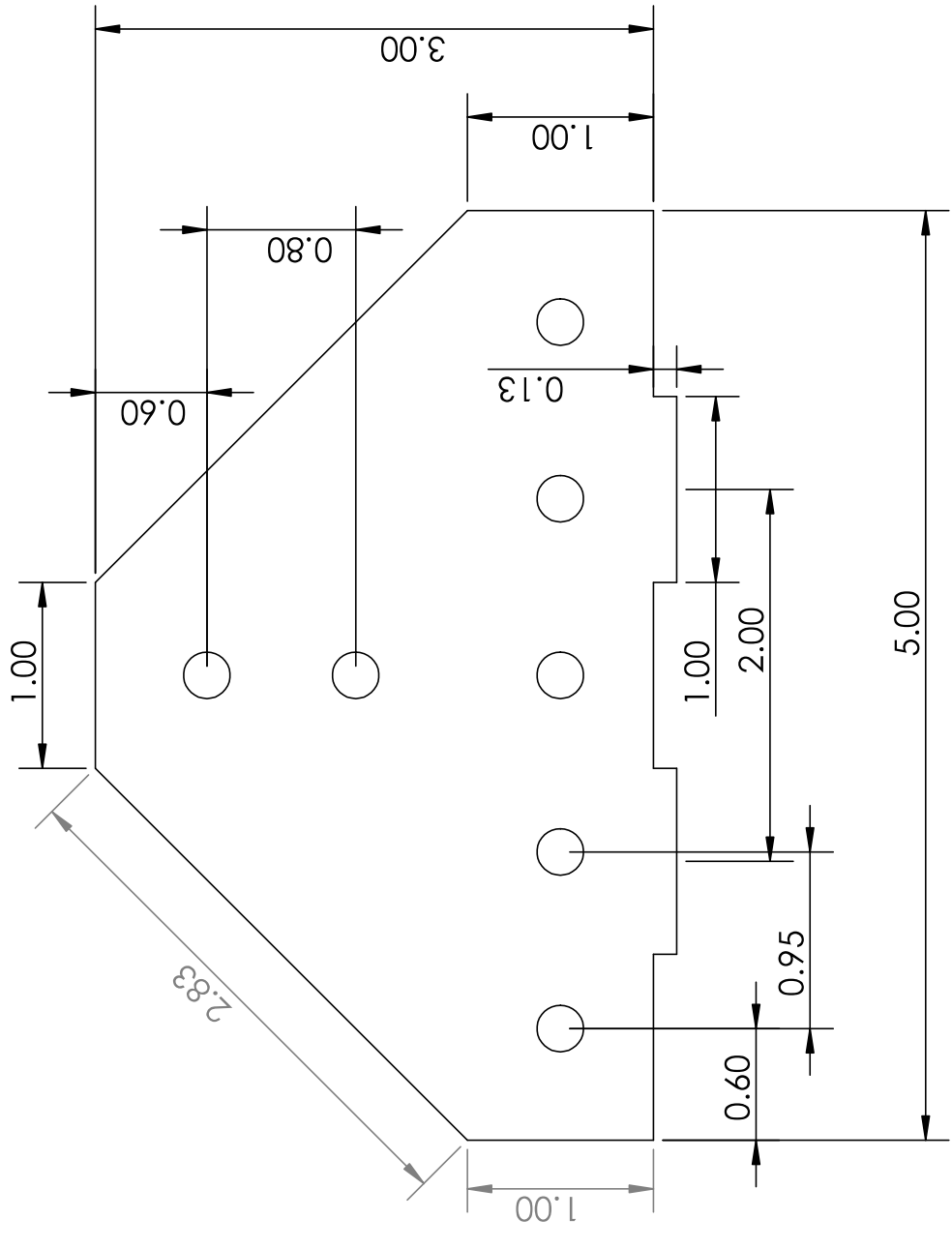
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DIMENSIONS ARE IN INCHES	
TOLERANCES:	
FRACTIONAL ±	
ANGULAR: MACH ±	BEND ±
TWO PLACE DECIMAL ±	
THREE PLACE DECIMAL ±	
INTERPRET GEOMETRIC TOLERANCING PER:	
MATERIAL	GRADE 50 ASTM 1011
FINISH	UNFINISHED
APPLICATION	USED ON
	CONN. C
	NEXT ASSY
	DO NOT SCALE DRAWING

DRAWN	CHECKED	ENG APPR.	MFG APPR.	Q.A.	COMMENTS:	NAME	DATE
						ELK	3.29.21
						MEB	3.30.21

TITLE:		SIDE PLATE FOR CONN. C	
SIZE	DWG. NO.	REV	
<b>B</b>	C-1	1	
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1	

QTY REQUIRED: 16  
 MATERIAL: GRADE 50 ASTM 1011  
 THICKNESS: 11 GA



4 3 2 1

B

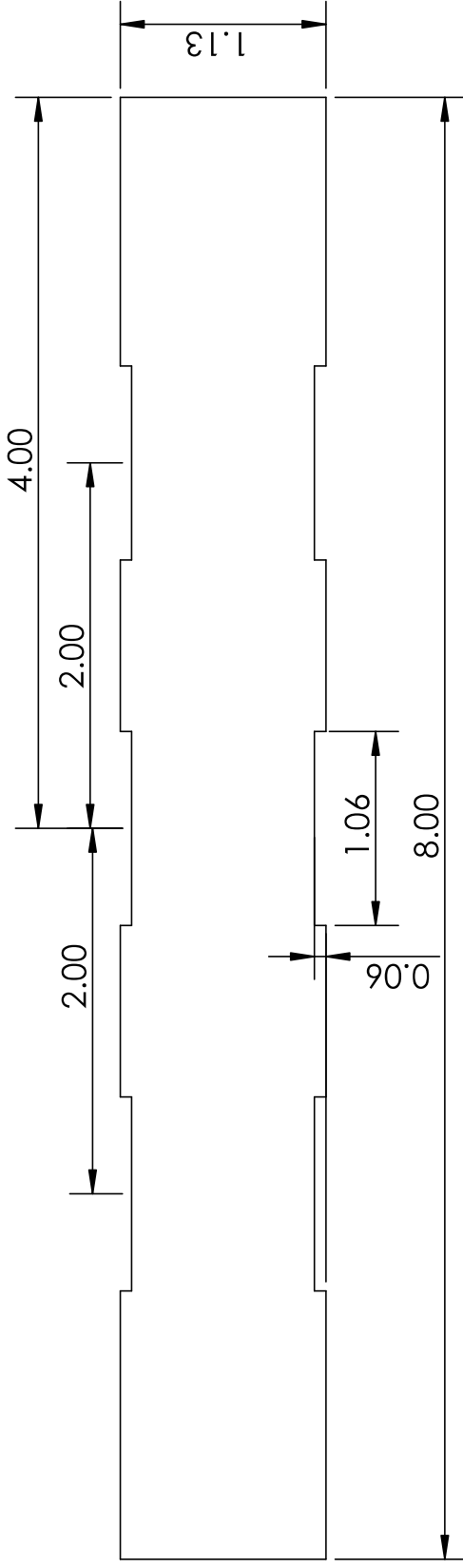
A

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		ELK	3.29.21
TOLERANCES:		MEB	3.30.21
FRACTIONAL ±			
ANGULAR: MACH ± BEND ±			
TWO PLACE DECIMAL ±			
THREE PLACE DECIMAL ±			
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
B-2	CONN. D		
NEXT ASSY	USED ON		
APPLICATION			
DO NOT SCALE DRAWING			

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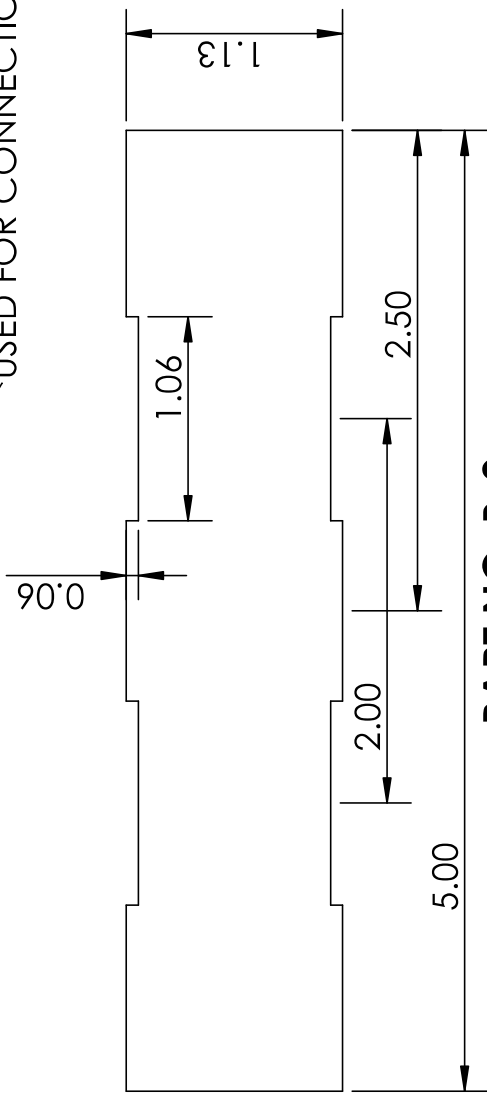
TITLE:  
**SIDE PLATE FOR  
 CONN. D**

SIZE	DWG. NO.	REV
<b>B</b>	<b>D-1</b>	<b>1</b>
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1



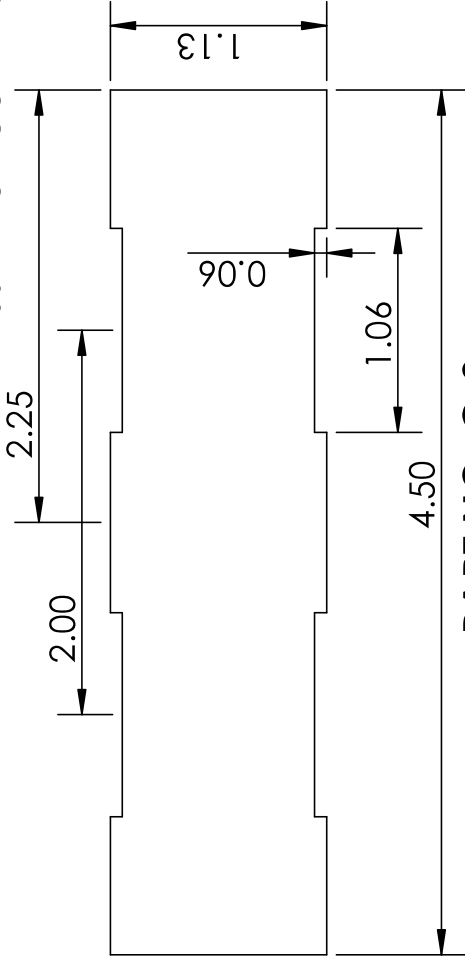
**PART NO. A-2**

USED FOR CONNECTION A AND B



**PART NO. B-2**

USED FOR CONNECTION C AND D



**PART NO. C-2**

USED FOR CONNECTION 0.5B

PART. NO	QTY REQUIRED
A-2	10
B-2	14
C-2	4

MATERIAL: GRADE 50 ASTM 1011  
THICKNESS: 11 GA

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		ELK	3.29.21
TOLERANCES:		MEB	3.30.21
FRACTIONAL ±		ENG APPR.	
ANGULAR: MACH ± BEND ±		MFG APPR.	
TWO PLACE DECIMAL ±		Q.A.	
THREE PLACE DECIMAL ±		COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
GRADE 50 ASTM 1011			
FINISH			
UNFINISHED			
DO NOT SCALE DRAWING			
APPLICATION	USED ON		

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TITLE:  
**BOTTOM PLATES FOR ALL CONNS.**

SIZE	DWG. NO.	REV
<b>B</b>	<b>BP-1</b>	<b>1</b>
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1