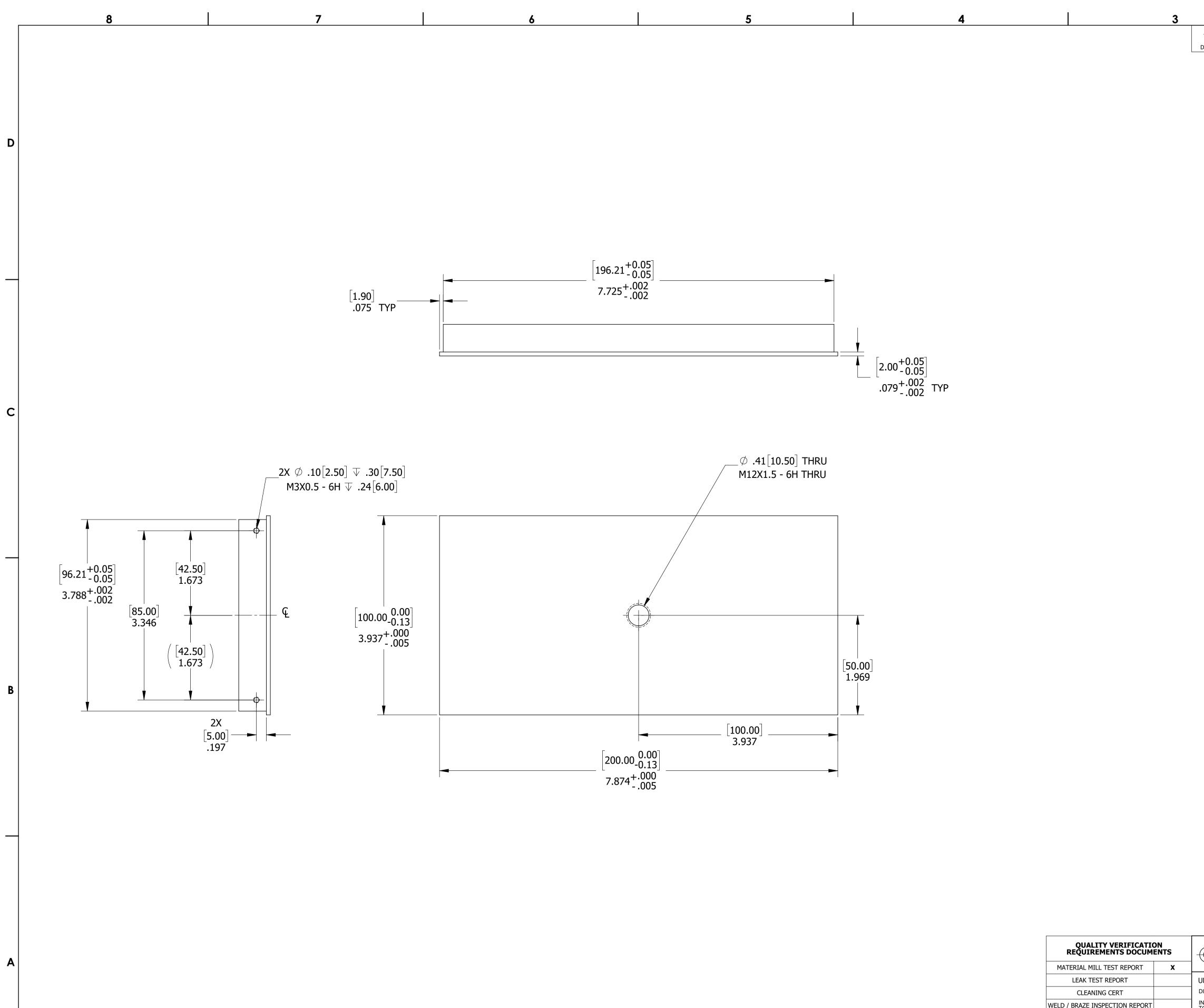


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MANCE REPORT	x	DO NO	OT SCALI	E DRAWING	SolidWork	(S	SCAL	1:8	NAME	TOWER WELDMENT	SHEET 1	of 1
ON REQUEST	x	X.XX = X.XXX	±.010 = ±.005		WEIGHT THIS DRAWING PRODUC		' D		N/A	EPIC-2	00	0
L TEST REPORT			.100 ±1/2	ULAR 2°	TOTAL	LBS	SIZE	NEXT AS	SY	DWG NO.		REV
SELLER CERT	x	DEFA	AULT TOL	LERANCES					IUV	VER BODY ASSEM	BLÏ	
NAL REPORT	x		/E ALL BUR		QA							
EAT REPORT		BREAK	SHARP CC	ORNERS AND	ENG EJ FOUNTAIN	03/09/202	23		٦	FOWER ASSEMBLY	7	
NSPECTION REPORT				NSIONS AND R ASME Y14.5M			_			EPIC		
ING CERT		DIMENS	SIONS ARE	IN INCHES	CHK JP SLADE	03/09/202		noa				
ST REPORT		UNLES	S OTHER	WISE NOTED	DRW EJ FOUNTAIN	03/09/202	23	RSG		REMOTE SYSTEM	S GROUP	1
LL TEST REPORT		$ \Psi $		FROJECTION	DES EJ FOUNTAIN	03/09/202	23){;=	/	CONTRACT DE-AC05-00OR22725 C	DAK RIDGE, TN	
ITY VERIFICATIO		\square		THIRD-ANGLE PROJECTION	APPROVALS	DATE		[:] or		THIS DRAWING IS THE PROF OAK RIDGE NATIONAL L OPERATED FOR THE U.S. DEPARTMENT	ABORATOR OF ENERGY UNDER	Y
	ITEM QTY.			NAME/PART NO		MAT	RIAL		DESCRIPTION	DWG		
	1 2 1			M	CMASTER_91595A558		STE	EL		8MM X 20MM DOWEL PIN	N/A	
		2	10	M	CMASTER_90358A001		ALLOY STEEL			M3-0.5 X 6MM LG LOW SHCS		
		3	1		FRONT PLATE		CARBON STEEL			PLATE	EPIC-20	1
		4	1		BACK PLATE		CARBC	n steel		PLATE	EPIC-202	
		5	2	T	OP / BOTTOM PLATE		CARBON STEEL			Sheet metal 14 Ga	HEET METAL 14 GA EPIC-20	
		6	1		SIDE COVER		CARBC	n steel		SHEET METAL 14 GA EPI		
		7	1		PCB COVER		CARBON STEEL			Sheet metal 14 Ga	EPIC-20	5
		8	58	ST	EEL ABSORBER PLATE		CARBON STEEL			PLATE	EPIC-20	6
		9	3	STEEL A	ABSORBER PLATE, TAPPED		CARBON STEEL			PLATE	EPIC-20	7
		10	4	TUNC	GSTEN ABSORBER PLATE	TUT	GSTEN	W 6Ni-4C	υ)	PLATE	EPIC-20	8
		11	8		LONG SHIM		CARBC	n steel		Sheet metal	EPIC-20	9
		12	4		SHORT SHIM		CARBC	n steel		SHEET METAL	EPIC-21	C

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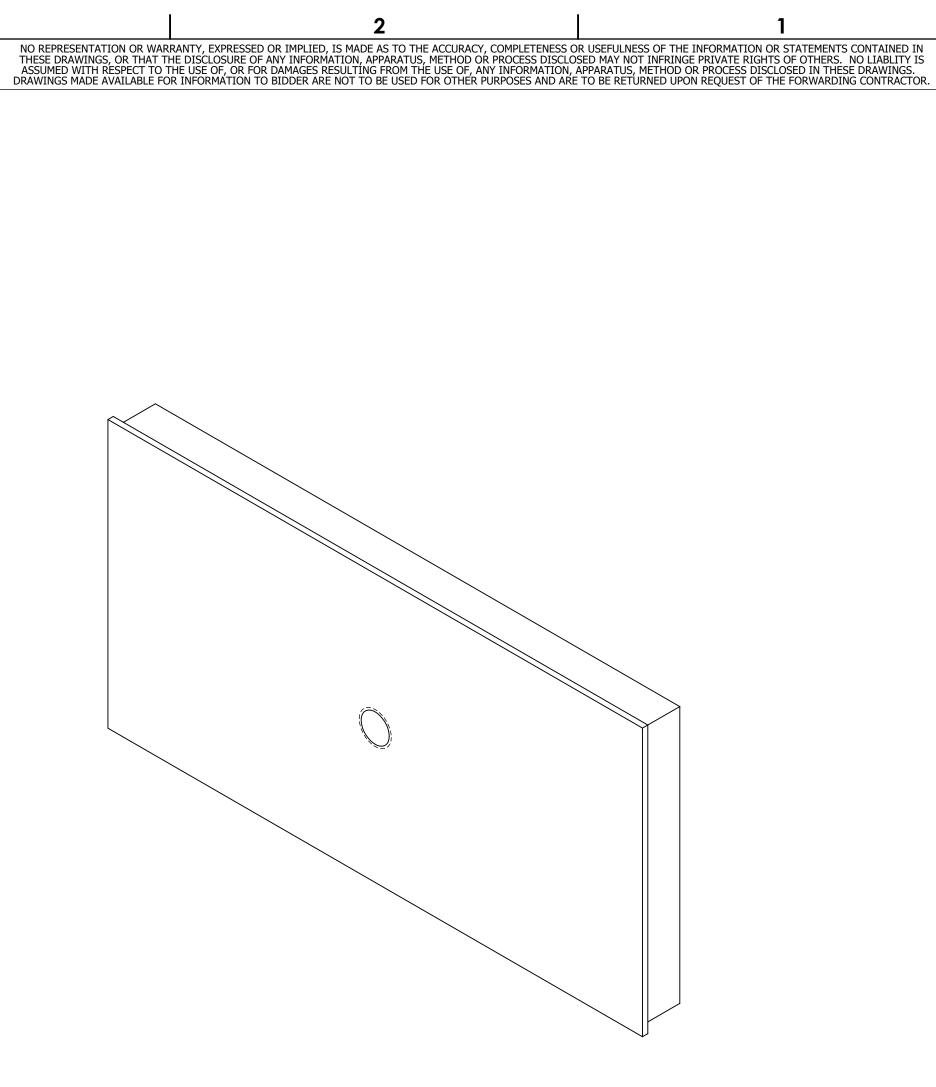
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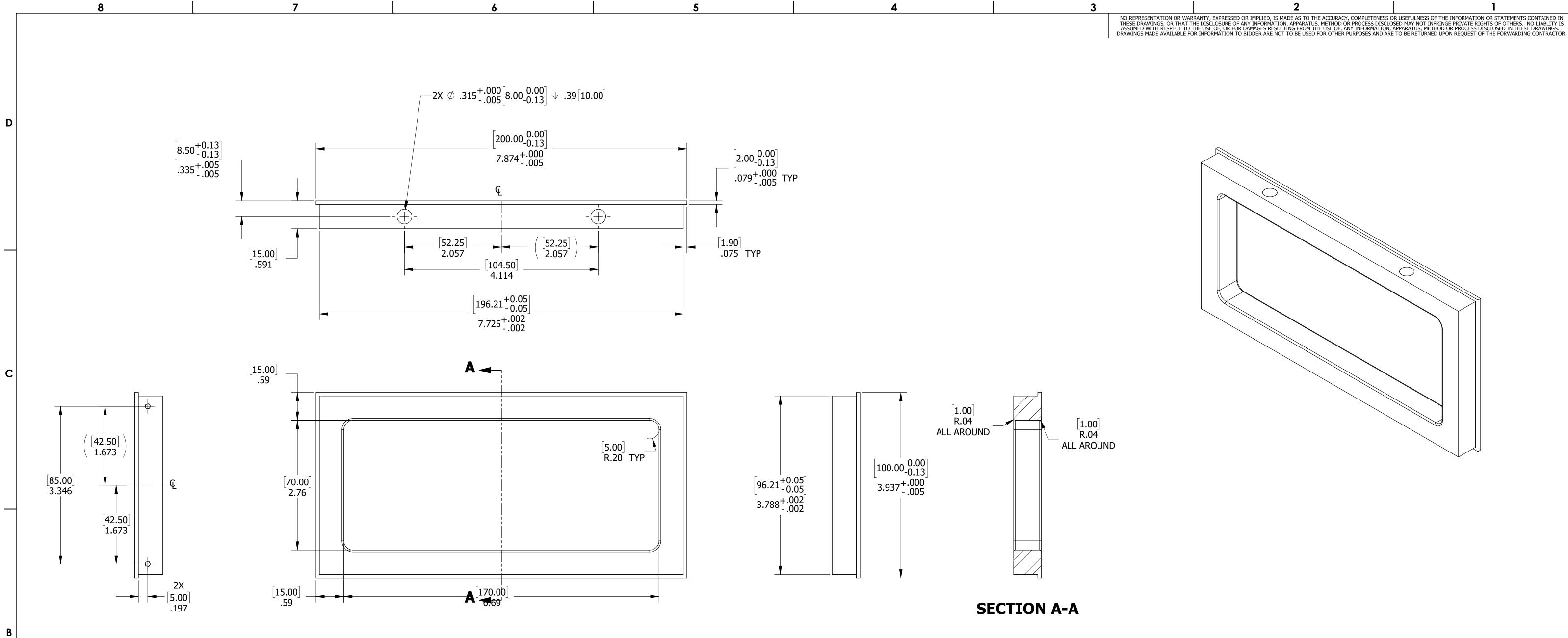
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QUALITY VERIFICATIO REQUIREMENTS DOCUM	ON ENTS	THIRD-ANGLE		APPROVALS	DATE		- Por		-	RIDGE	AWING IS THE PROPERT NATIONAL LAI E U.S. DEPARTMENT OF	BORAT	-	
MATERIAL MILL TEST REPORT	X		DES EJ FOUNTAIN 03/09/2023				∕	CC	ONTRACT D	E-AC05-00OR22725 OAK	RIDGE, TN			
LEAK TEST REPORT		UNLESS OTHERWISE NOTED	DRW	EJ FOUNTAIN	03/09/2023	BSG		RE	MOTE	E SYSTEMS	GROI	JP	B B	
CLEANING CERT		DIMENSIONS ARE IN INCHES	СНК	JP SLADE	03/09/2023									 Plate_
WELD / BRAZE INSPECTION REPORT		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M	ENG	EJ FOUNTAIN	03/09/2023	-				EP]	I C			Front
HEAT TREAT REPORT		BREAK SHARP CORNERS AND		LJ FOONTAIN	03/09/2023				SEMBLY					
DIMENSIONAL REPORT		REMOVE ALL BURRS	QA			FRONT PLATE						Tower		
MATERIAL SELLER CERT		DEFAULT TOLERANCES							FK	UNI	PLATE			۲
FUNCTIONAL TEST REPORT		LINEAR ANGULAR X.X = ±.100 ±1/2°				SIZE	NEXT AS	SY		DWG NO			RE	
DEVIATION REQUEST	х	X.XX = ±.010 X.XXX = ±.005		THIS DRAWING PRODUCED USING		$ \mathbf{D} $	EF	PIC-200			EPIC-20	1		
NONCONFORMANCE REPORT	Х	DO NOT SCALE DRAWING	'			SCAL	1:1	NAME	FRON	T PLATE		SHEET	1 of 1	
3					2						1	-		



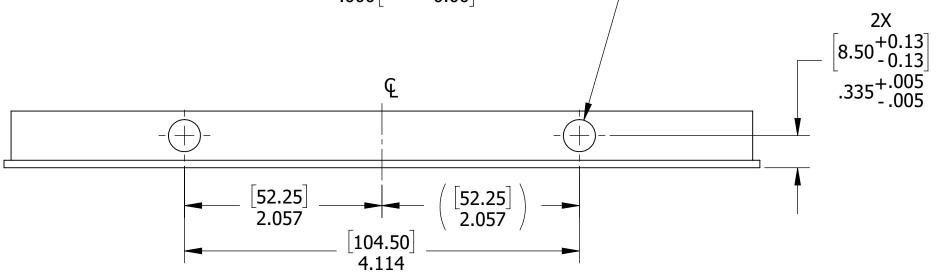
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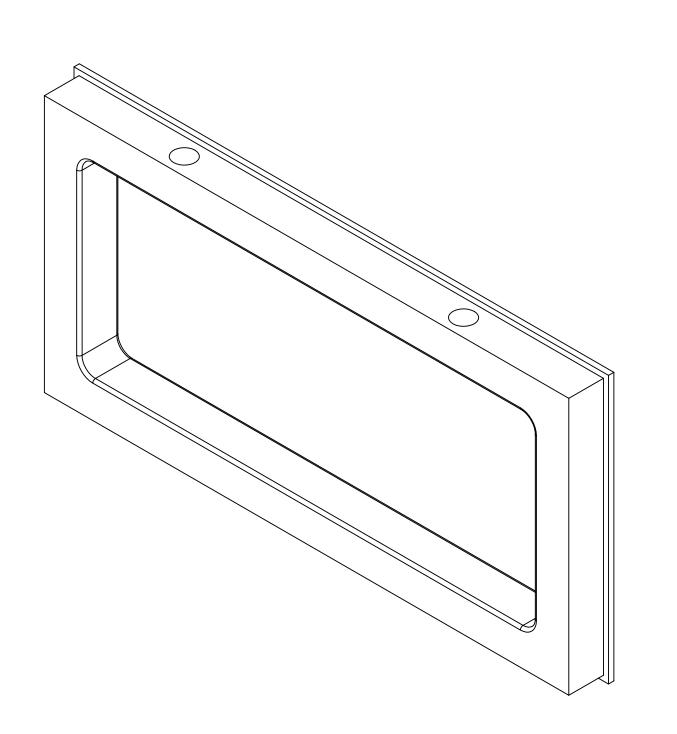
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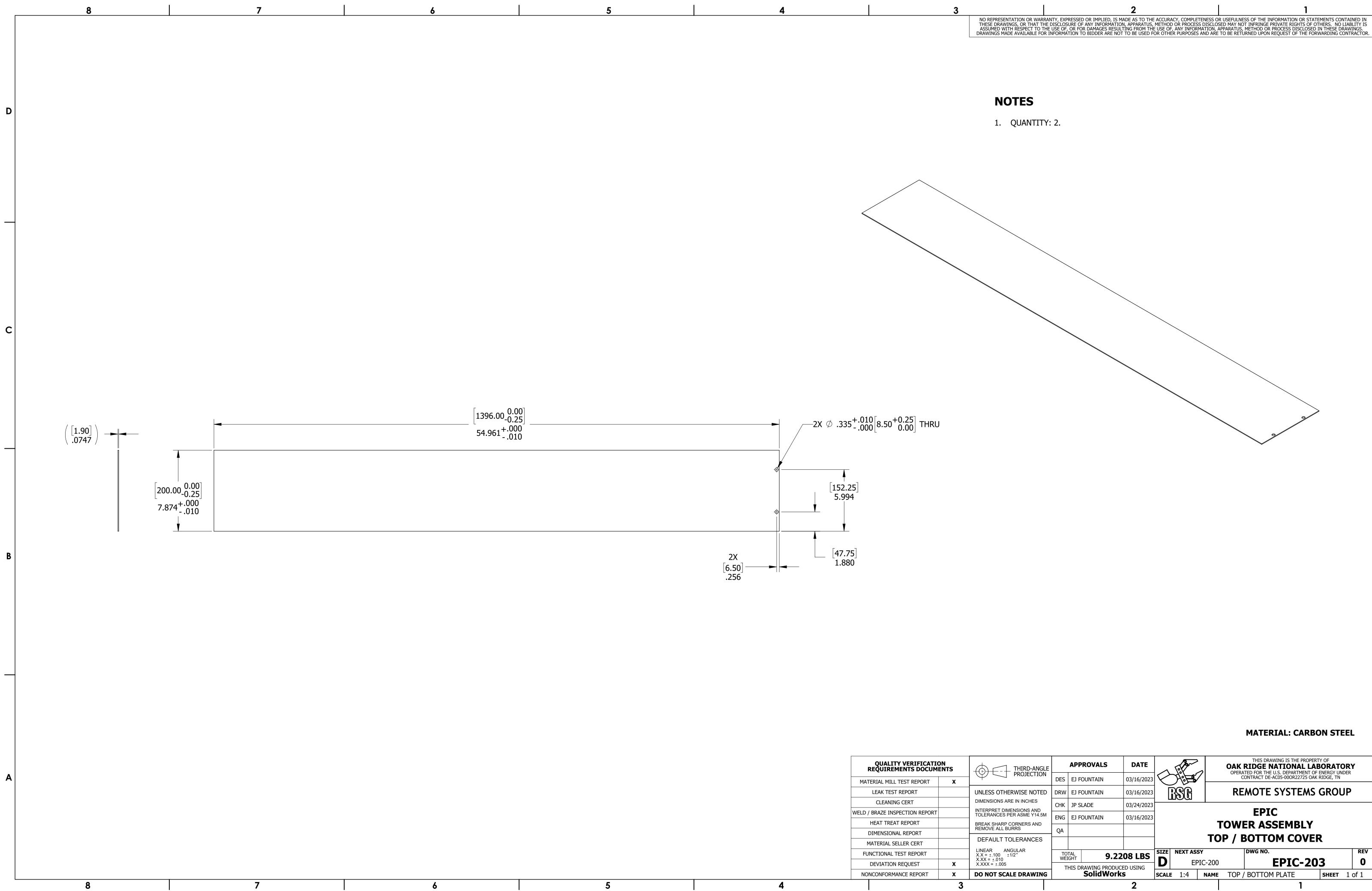
QUALITY VERIFICATIO REQUIREMENTS DOCUM	ON ENTS	THIRD-ANGLE	APPROVALS		DATE			OPERATED FOR THE U.S. DEPART			AL LA	BORAT	-		
MATERIAL MILL TEST REPORT	X		DES EJ	DES EJ FOUNTAIN 03/16/2023				∕ ⊨	(CONTRACT D	E-AC05-00OR2	2725 OAK	RIDGE, TN		
LEAK TEST REPORT		UNLESS OTHERWISE NOTED	DRW EJ	FOUNTAIN	03/16/2023	Γ	RSG	REMOTE SYSTEMS GROUI		JP					
CLEANING CERT		DIMENSIONS ARE IN INCHES	СНК ЈР	SLADE	03/24/2023										
WELD / BRAZE INSPECTION REPORT		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M	ENG EJ	FOUNTAIN	03/16/2023					EP]	[C				
HEAT TREAT REPORT		BREAK SHARP CORNERS AND		TOONTAIN	03/10/2023					ER AS	SSEME	BLY			
DIMENSIONAL REPORT		REMOVE ALL BURRS	QA			•			· • · · ·						
MATERIAL SELLER CERT		DEFAULT TOLERANCES							B	ACK H	PLATE				
FUNCTIONAL TEST REPORT		LINEAR ANGULAR X.X = ±.100 ±1/2°	TOTAL	1.82	20 LBS	SIZE	NEXT AS	SY		DWG NO					REV
DEVIATION REQUEST	x	X.XX = ±.010 X.XXX = ±.005	_	THIS DRAWING PRODUCED USING		D	EF	PIC-200			EPIC	C-20	2		0
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3			-		2	-						1	-		

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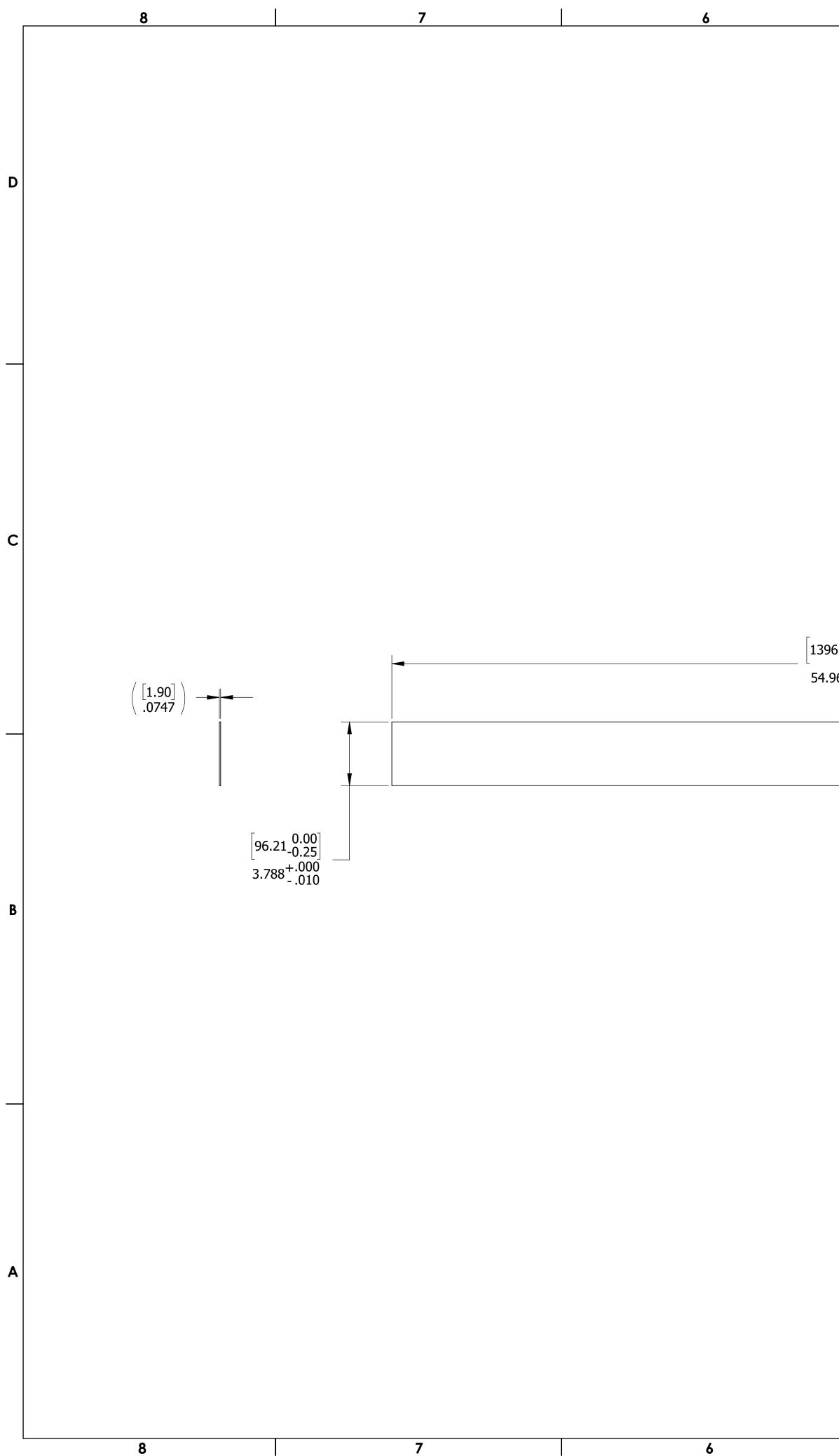


QUALITY VERIFICATIO REQUIREMENTS DOCUM	ON ENTS	
MATERIAL MILL TEST REPORT	X)
LEAK TEST REPORT		UNLESS OTHERWISE I
CLEANING CERT		DIMENSIONS ARE IN INCH
WELD / BRAZE INSPECTION REPORT		INTERPRET DIMENSIONS TOLERANCES PER ASME
HEAT TREAT REPORT		BREAK SHARP CORNERS
DIMENSIONAL REPORT		REMOVE ALL BURRS
MATERIAL SELLER CERT		DEFAULT TOLERAN
FUNCTIONAL TEST REPORT		LINEAR ANGULAR X.X = ±.100 ±1/2°
DEVIATION REQUEST	X	X.XX = ±.010 X.XXX = ±.005
NONCONFORMANCE REPORT	X	DO NOT SCALE DRA
	3	

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C

RAWING		HIS D	RAWING PRODUCE SolidWork		SCAL	E 1:4	NAME	TOP /	BOTTOM PLATE	SHEET 1	of 1	- G	
	WEI	GHT		08 LBS	D	EF	PIC-200		EPIC-2	203	0		
٩R	то	TAL	0.22		SIZE	NEXT AS	SY		DWG NO.		REV	1 щ	
RANCES					1		ТО	P / E	воттом соу	'ER		88	
	QA				TOWER ASSEMBLY					Moc			
SME Y14.5M IERS AND	ENG	EJ F	OUNTAIN	03/16/2023								Module	
INCHES ONS AND	СНК	JP S	LADE	03/24/2023		<u> </u>	I		EPIC			1 d D	
SE NOTED	DRW	EJ F	OUNTAIN	03/16/2023		REMOTE SYSTEMS GROUP						Bottom	
OJECTION	DES	EJ F	OUNTAIN	03/16/2023);=	/		ONTRACT DE-AC05-00OR22725			om Plate	
IRD-ANGLE		APP	ROVALS	DATE				-	THIS DRAWING IS THE PROPERTY OF DAK RIDGE NATIONAL LABORATORY OPERATED FOR THE U.S. DEPARTMENT OF ENERGY UNDER				



R	QUALITY VERIFICATIO		
MATE	RIAL MILL TEST REPORT	X	
	LEAK TEST REPORT		UNLESS OTHERWISE N
	CLEANING CERT		DIMENSIONS ARE IN INCH
	BRAZE INSPECTION REPORT		INTERPRET DIMENSIONS TOLERANCES PER ASME
WELD / I			BREAK SHARP CORNERS
	IEAT TREAT REPORT		
ŀ	IEAT TREAT REPORT		
H D			DEFAULT TOLERAN

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THIS DRAWING IS THE PROPERTY OF OAK RIDGE NATIONAL LABORATORY OPERATED FOR THE U.S. DEPARTMENT OF ENERGY UNDER CONTRACT DE-AC05-000R22725 OAK RIDGE, TN - Color APPROVALS DATE D-ANGLE DES EJ FOUNTAIN 03/23/2023 RSG REMOTE SYSTEMS GROUP E NOTED DRW EJ FOUNTAIN 03/23/2023 CHES CHK JP SLADE 03/23/2023 EPIC 5 AND E Y14.5M ENG EJ FOUNTAIN 03/23/2023 Ð **TOWER ASSEMBLY** S AND QA ANCES SIDE COVER Σ
 REV
 Image: Weight of the second LINEAR ANGULAR X.X = ±.100 ±1/2° X.XX = ±.010 X.XXX = ±.005 4.4934 LBS DWG NO. SIZE NEXT ASSY TOTAL WEIGHT **EPIC-204** EPIC-200 THIS DRAWING PRODUCED USING SolidWorks X DO NOT SCALE DRAWING SCALE 1:4 NAME SIDE COVER 2 1

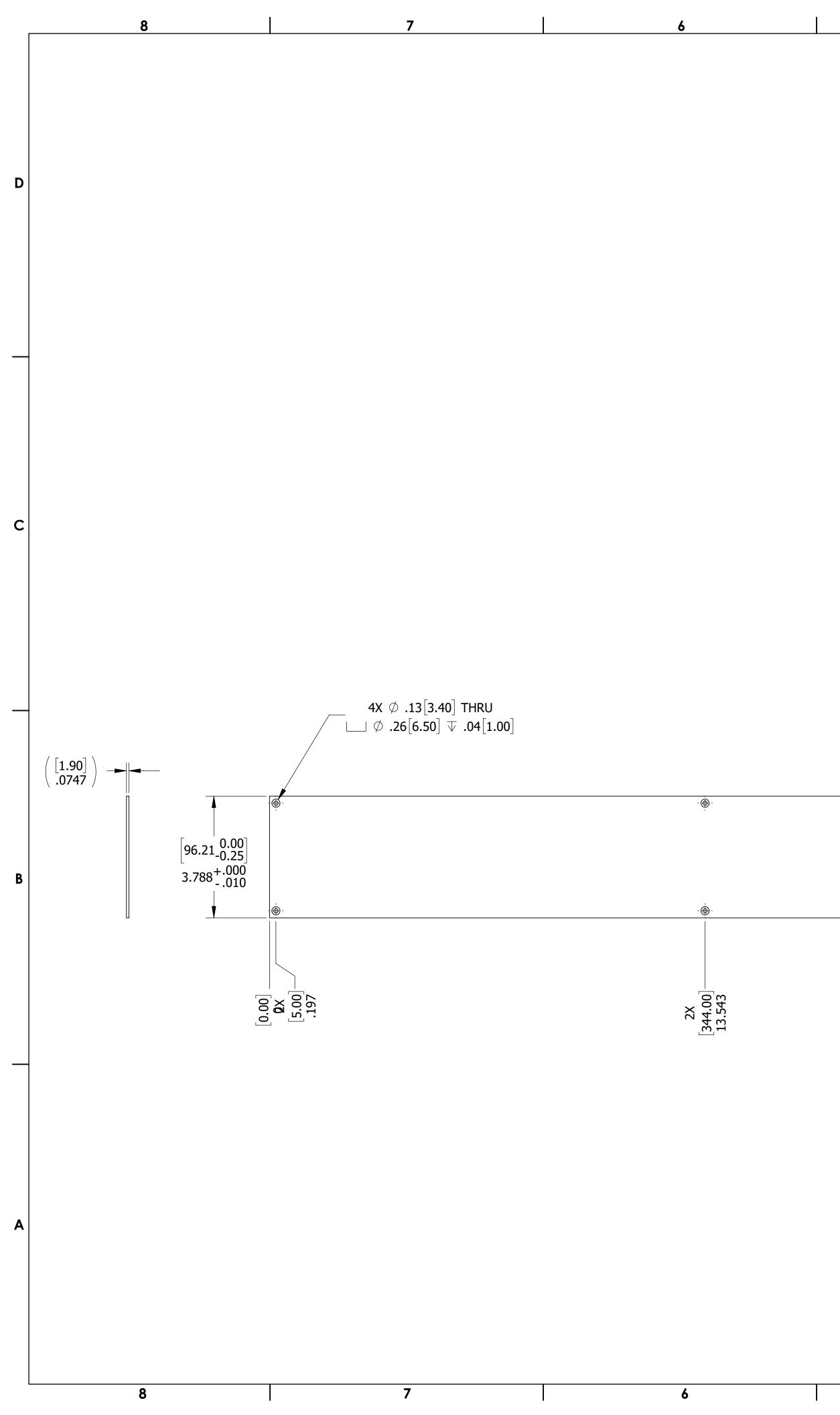
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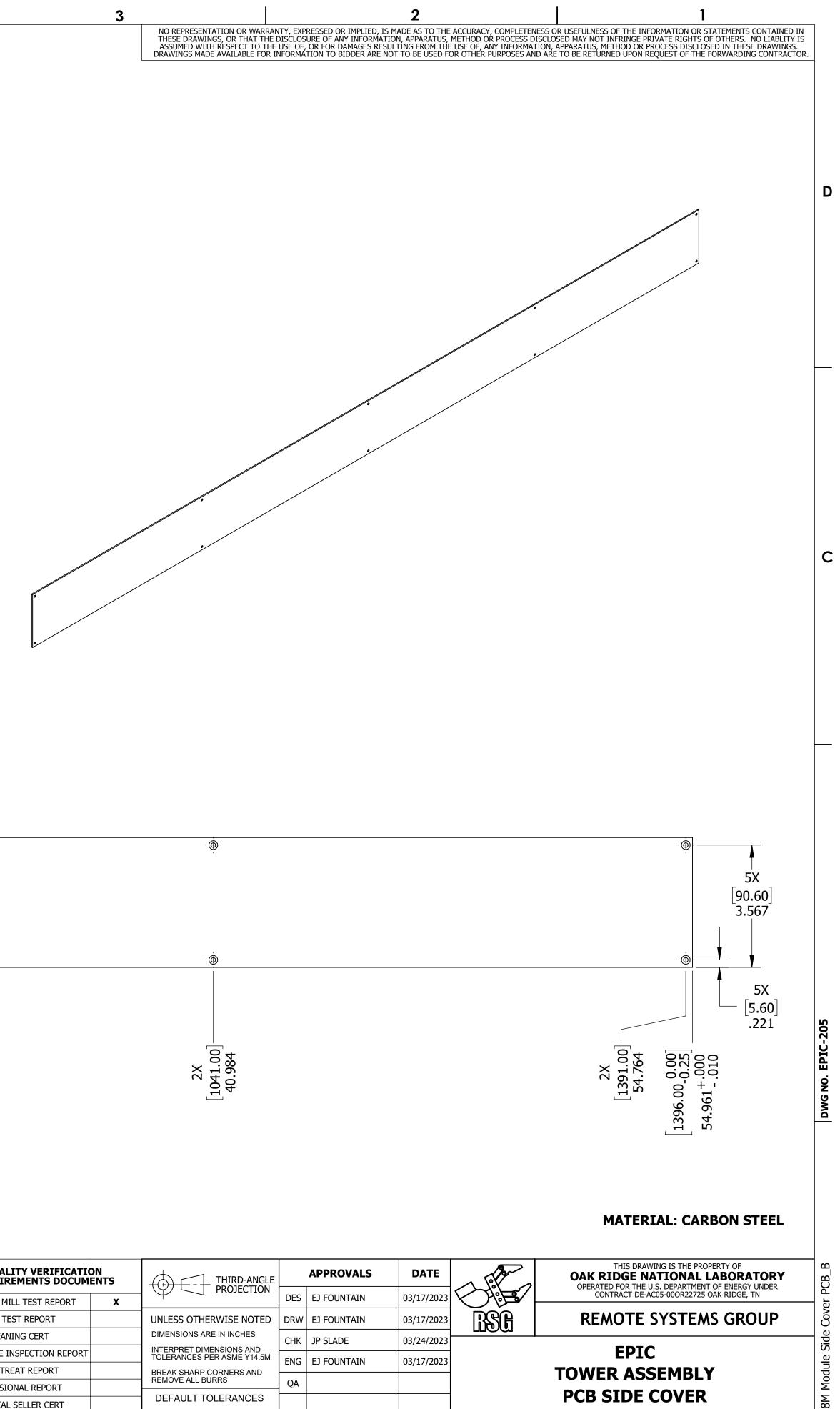
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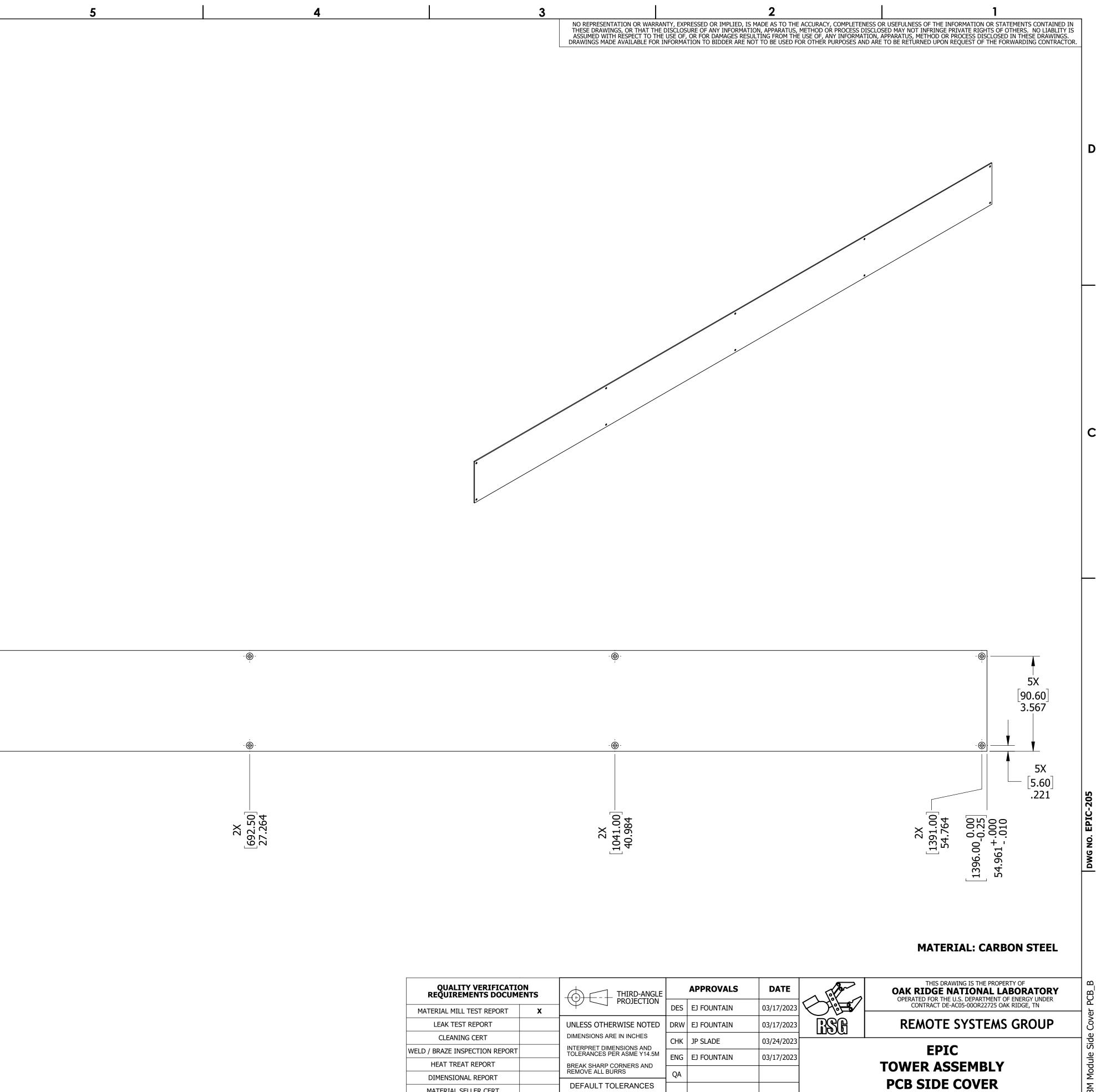
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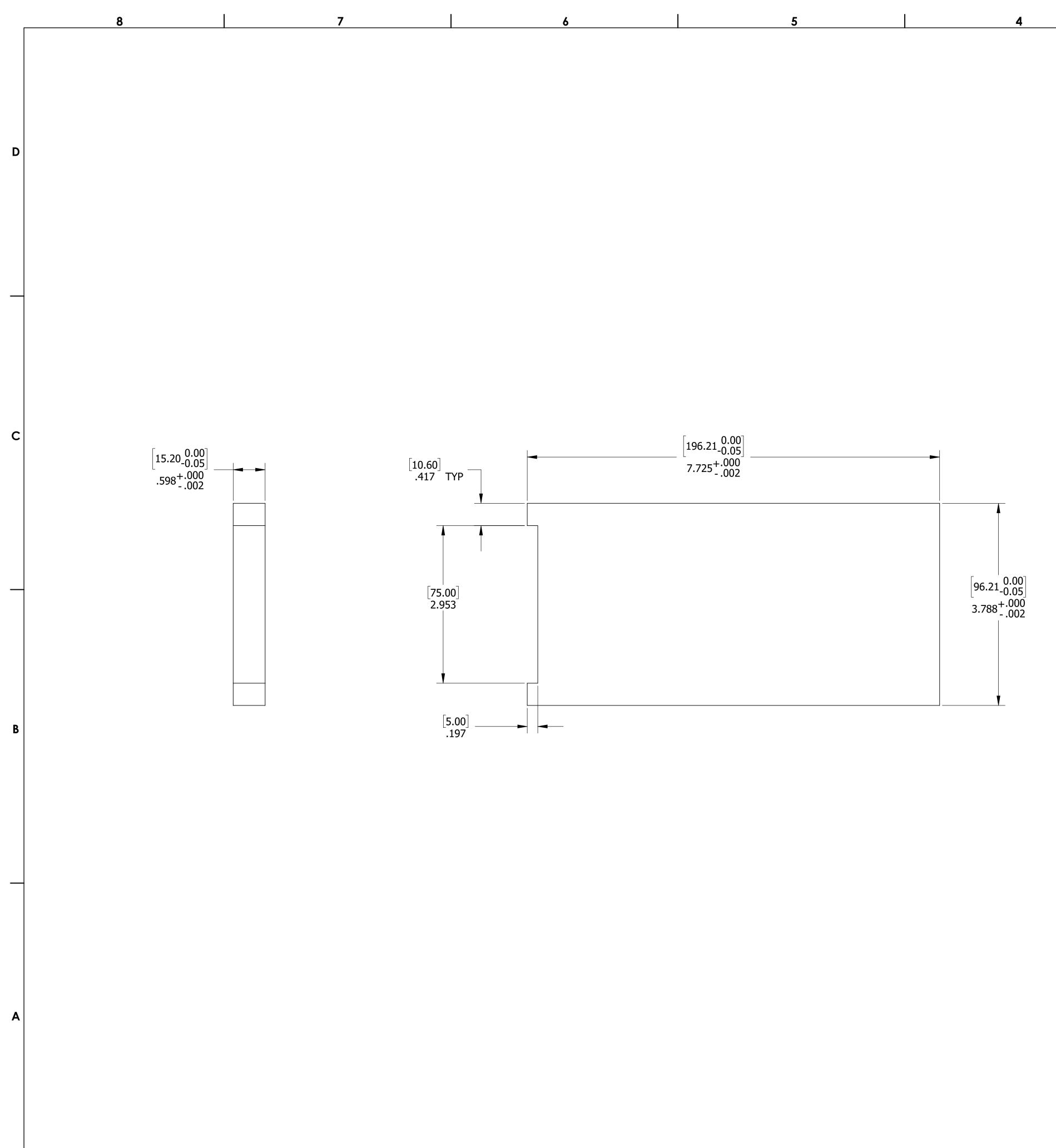






QUALITY VERIFICATIO REQUIREMENTS DOCUM		
MATERIAL MILL TEST REPORT	X	
LEAK TEST REPORT		UNLESS OTHERWISE
CLEANING CERT		DIMENSIONS ARE IN INCH
WELD / BRAZE INSPECTION REPORT		INTERPRET DIMENSIONS TOLERANCES PER ASME
HEAT TREAT REPORT		BREAK SHARP CORNERS
DIMENSIONAL REPORT		REMOVE ALL BURRS
MATERIAL SELLER CERT		DEFAULT TOLERAN
FUNCTIONAL TEST REPORT		LINEAR ANGULAR X.X = ±.100 ±1/2°
DEVIATION REQUEST	X	X.XX = ±.010 X.XXX = ±.005
NONCONFORMANCE REPORT	X	DO NOT SCALE DRA
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Y14.5M S AND	ENG	EJ F	OUNTAIN	03/17/2023									
	QA					PCB SIDE COVER							M Mod
		TAL	ЛЛО	62 LBS	SIZE	NEXT AS			DWG NO.	••••		REV	III III
	WEI		RAWING PRODUCE			EF	PIC-200			EPIC-20	5	0	
WING	•	110 0	SolidWorks		SCALE	1:2	NAME	PCB C	COVER		SHEET	1 of 1	GA
				2						1			



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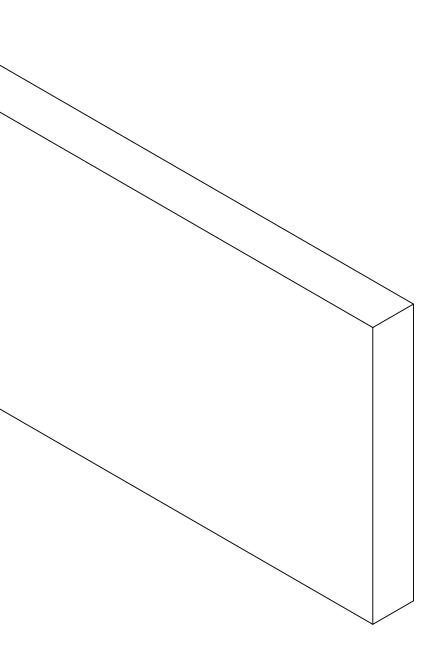
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1. QUANTITY: 58.

QUALITY VERIFICATIO REQUIREMENTS DOCUM	ON ENTS	
MATERIAL MILL TEST REPORT	X	Т -
LEAK TEST REPORT		UNLESS OTHERWISE I
CLEANING CERT		DIMENSIONS ARE IN INCH
VELD / BRAZE INSPECTION REPORT		INTERPRET DIMENSIONS TOLERANCES PER ASME
HEAT TREAT REPORT	BREAK SHARP CORNERS	
DIMENSIONAL REPORT		
MATERIAL SELLER CERT		DEFAULT TOLERAN
FUNCTIONAL TEST REPORT		LINEAR ANGULAR X.X = ±.100 ±1/2°
DEVIATION REQUEST	X	X.XX = ±.010 X.XXX = ±.005
NONCONFORMANCE REPORT	X	DO NOT SCALE DRA
	3	

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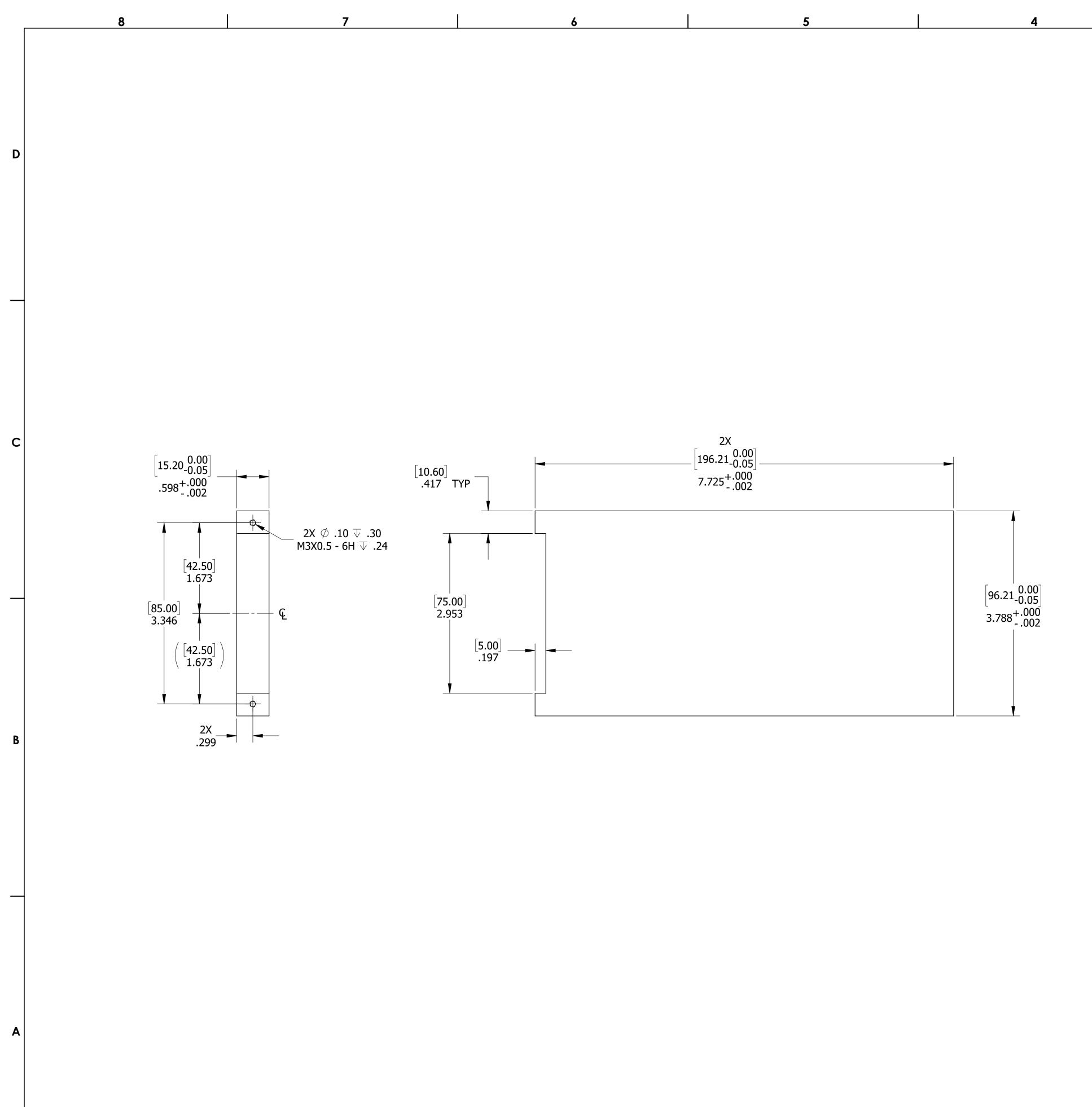
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MATERIAL: CARBON STEEL

RAWING	11	115 DI	RAWING PRODUCE SolidWorks		SCALE	1:1	NAME		L ABSORBER PLATE	SHEET 1	of 1	B
							EPIC-200			U		
	TOT WEI		4.89	78 LBS					EPIC-20	6	0	FILE
R –					SIZE	NEXT AS	sv		DWG NO.		REV	_
RANCES							STE	EL A	BSORBER PLA	ГЕ		8M /
ERS AND	QA				TOWER ASSEMBLY							Abse
	ENG	ej fo	OUNTAIN	03/08/2023	3						Absorber	
INCHES	СНК	JP SI	LADE	03/24/2023					EPIC			
	DRW	ej fo	OUNTAIN	03/08/2023		REMOTE SYSTEMS GROUP					Plate_E	
OJECTION	DES	ej fo	OUNTAIN	03/08/2023	C				ONTRACT DE-AC05-00OR22725 OAK			
IRD-ANGLE		APP	ROVALS	DATE				-	THIS DRAWING IS THE PROPER RIDGE NATIONAL LAI TED FOR THE U.S. DEPARTMENT OF	BORATOR	Y	

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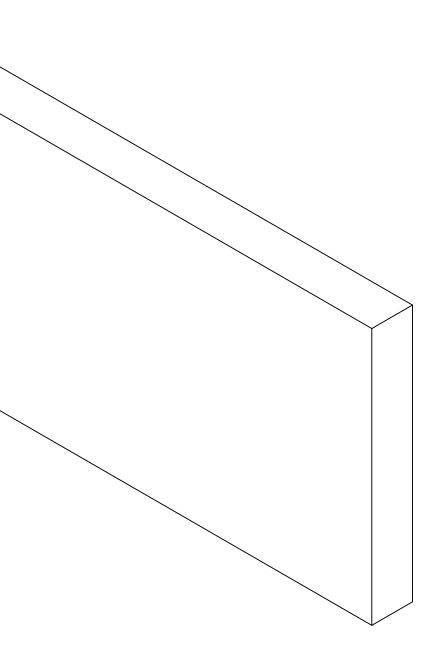
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1. QUANTITY: 3.

QUALITY VERIFICATIO REQUIREMENTS DOCUM	ON ENTS	
MATERIAL MILL TEST REPORT	X	→
LEAK TEST REPORT		UNLESS OTHERWISE I
CLEANING CERT		DIMENSIONS ARE IN INCH
/ELD / BRAZE INSPECTION REPORT		INTERPRET DIMENSIONS TOLERANCES PER ASME
HEAT TREAT REPORT		BREAK SHARP CORNERS
DIMENSIONAL REPORT		
MATERIAL SELLER CERT		DEFAULT TOLERAN
FUNCTIONAL TEST REPORT		LINEAR ANGULAR X.X = ±.100 ±1/2°
DEVIATION REQUEST	X	X.XX = ±.010 X.XXX = ±.005
NONCONFORMANCE REPORT	X	DO NOT SCALE DRA
	3	

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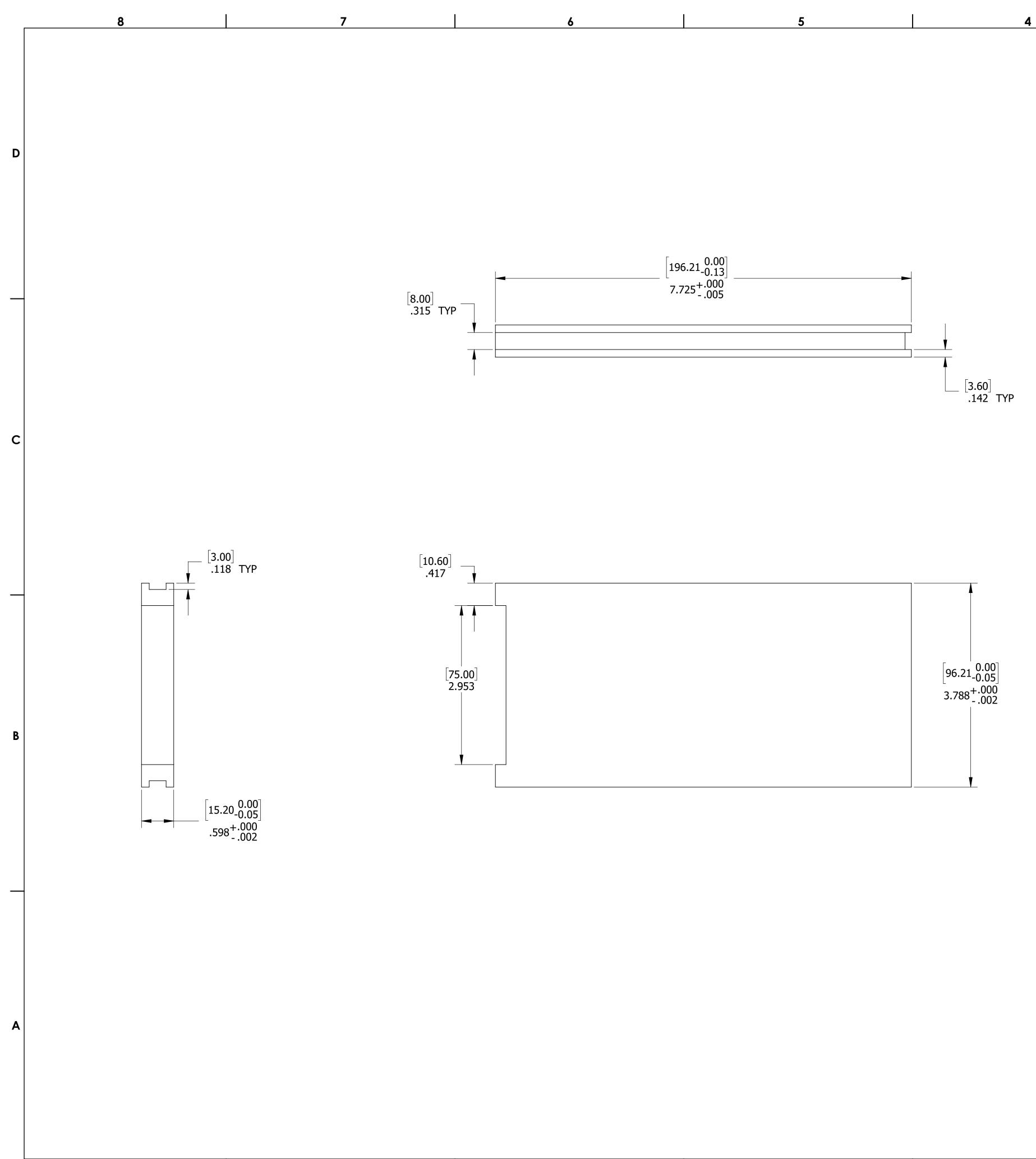


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u v	TOTAL WEIGHT 4.8965 L THIS DRAWING PRODUCED USIN		4.8965 LBS		NEXT AS S EF	PIC-200		EPIC-207					
RANCES			I		SIZE			BSO	RBER PLATE, TAPPED	REV	FILE: 8M		
IERS AND	QA										Abso		
SME Y14.5M	ENG	EJ F	OUNTAIN	03/08/2023			-		EPIC		Absorber		
INCHES ONS AND	СНК	JP S	LADE	03/24/2023	-						r Plate		
SE NOTED	DRW	EJ F	OUNTAIN	03/08/2023] [RE		RE	MOTE SYSTEMS GROUP		te		
OJECTION	DES EJ FOUNTAIN			03/08/2023	$ \langle$	J.E	/		ONTRACT DE-AC05-00OR22725 OAK RIDGE, TN		apped		
IRD-ANGLE		APF	ROVALS	DATE		- Par		THIS DRAWING IS THE PROPERTY OF OAK RIDGE NATIONAL LABORATORY OPERATED FOR THE U.S. DEPARTMENT OF ENERGY UNDER					



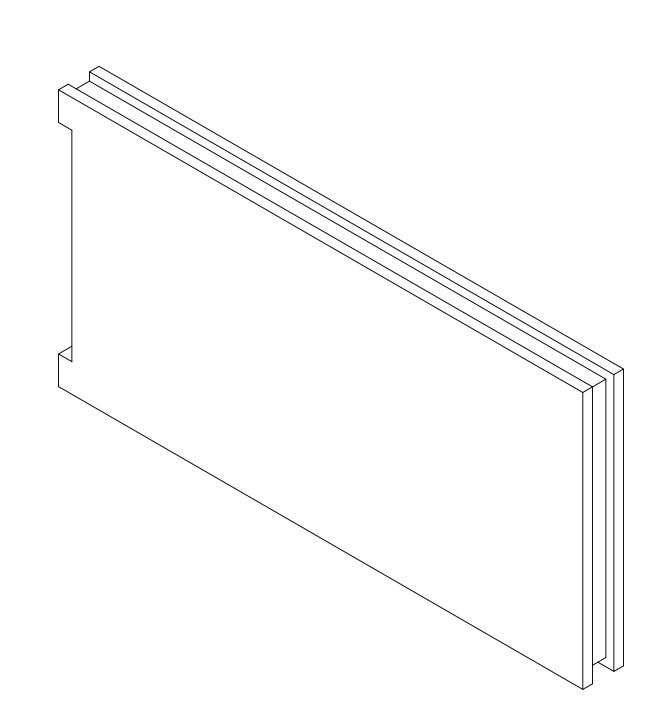
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QUALITY VERIFICATION REQUIREMENTS DOCUMENTS				APPROVALS	DATE		reformed and		ΟΔΚ	THIS DRAWING IS THE PROPERTY OF		
		+ THIRD-ANGLE PROJECTION						2	OPERA	ATED FOR THE U.S. DEPARTMENT OF ENERGY UN		
MATERIAL MILL TEST REPORT	X)	DES	EJ FOUNTAIN	03/07/2023) AB	′		CONTRACT DE-AC05-00OR22725 OAK RIDGE, TN		
LEAK TEST REPORT		UNLESS OTHERWISE NOTED	DRW	EJ FOUNTAIN	03/07/2023	: [i	BSG		RE	MOTE SYSTEMS GROU	JP	
CLEANING CERT		DIMENSIONS ARE IN INCHES	СНК	JP SLADE	03/24/2023							
WELD / BRAZE INSPECTION REPORT		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M				- FPIC						
HEAT TREAT REPORT		BREAK SHARP CORNERS AND	ENG	EJ FOUNTAIN	03/07/2023							
DIMENSIONAL REPORT		REMOVE ALL BURRS	QA				-	-				
MATERIAL SELLER CERT		DEFAULT TOLERANCES						UNGS	DIEN	ABSORBER PLATE		
FUNCTIONAL TEST REPORT		LINEAR ANGULAR X.X = ±.100 ±1/2°			44 LBS	SIZE NEXT ASSY		SY		DWG NO.		
DEVIATION REQUEST	X	X.XX = ±.010 X.XXX = ±.005					EPIC-200			EPIC-208	0	
NONCONFORMANCE REPORT	х	DO NOT SCALE DRAWING	1 '	THIS DRAWING PRODUCED USING SolidWorks			1:1			STEN ABSORBER PLATE SHEET	1 of 1	
	3		-		2	•	•			1		

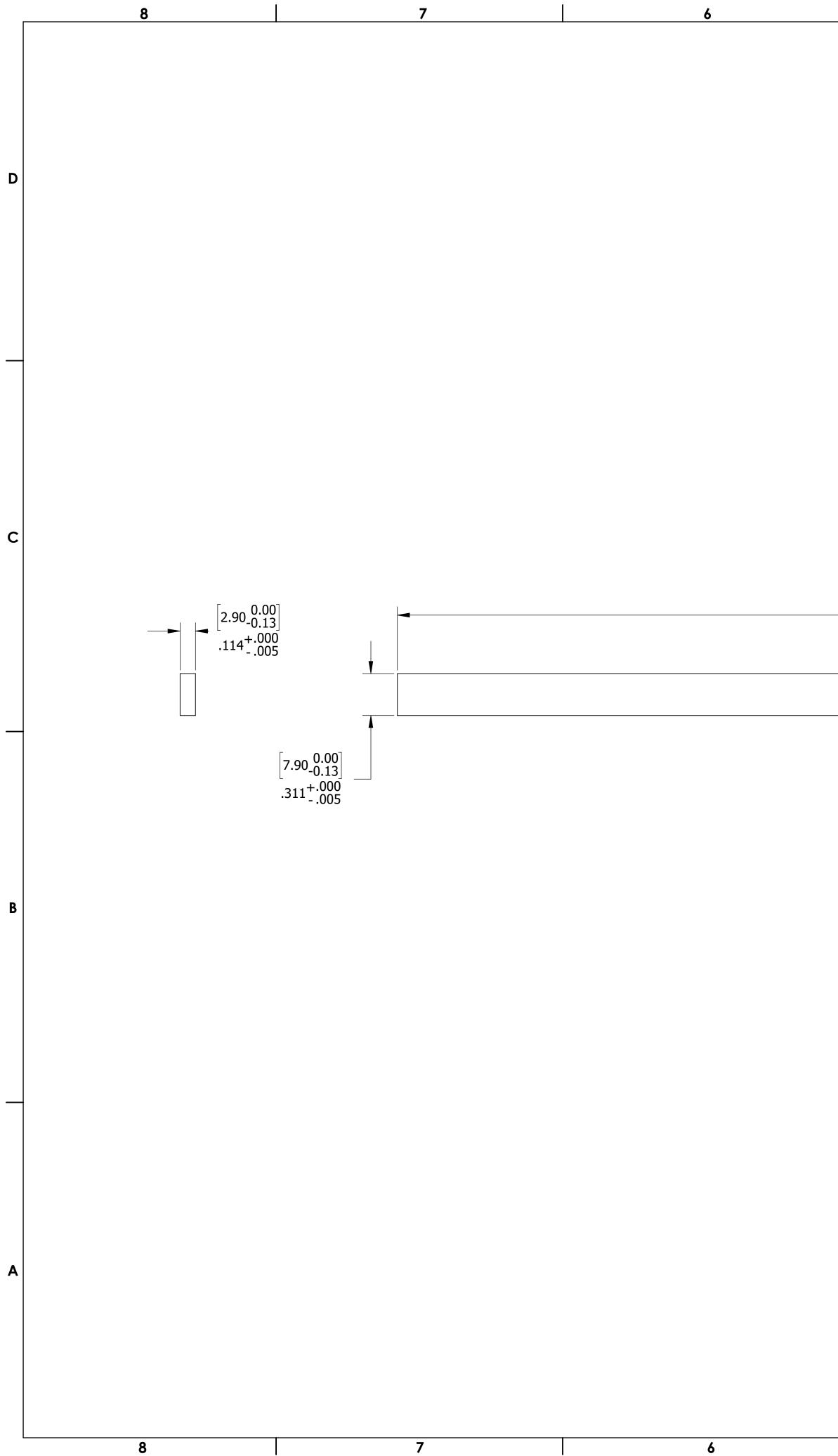
1. QUANTITY: 4.

DWG

MATERIAL: TUNGSTEN (W 6Ni-4Cu)

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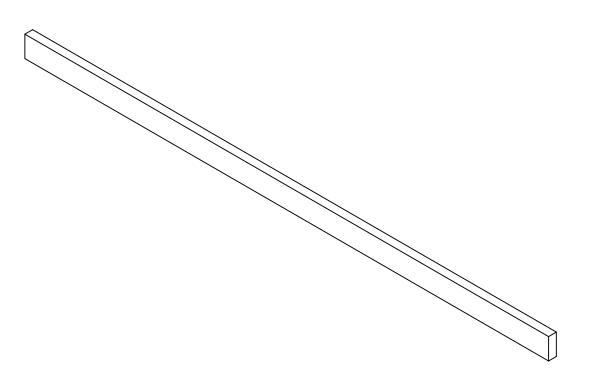
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1. QUANTITY: 8.

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7	7.717 ^{+.000} 010			

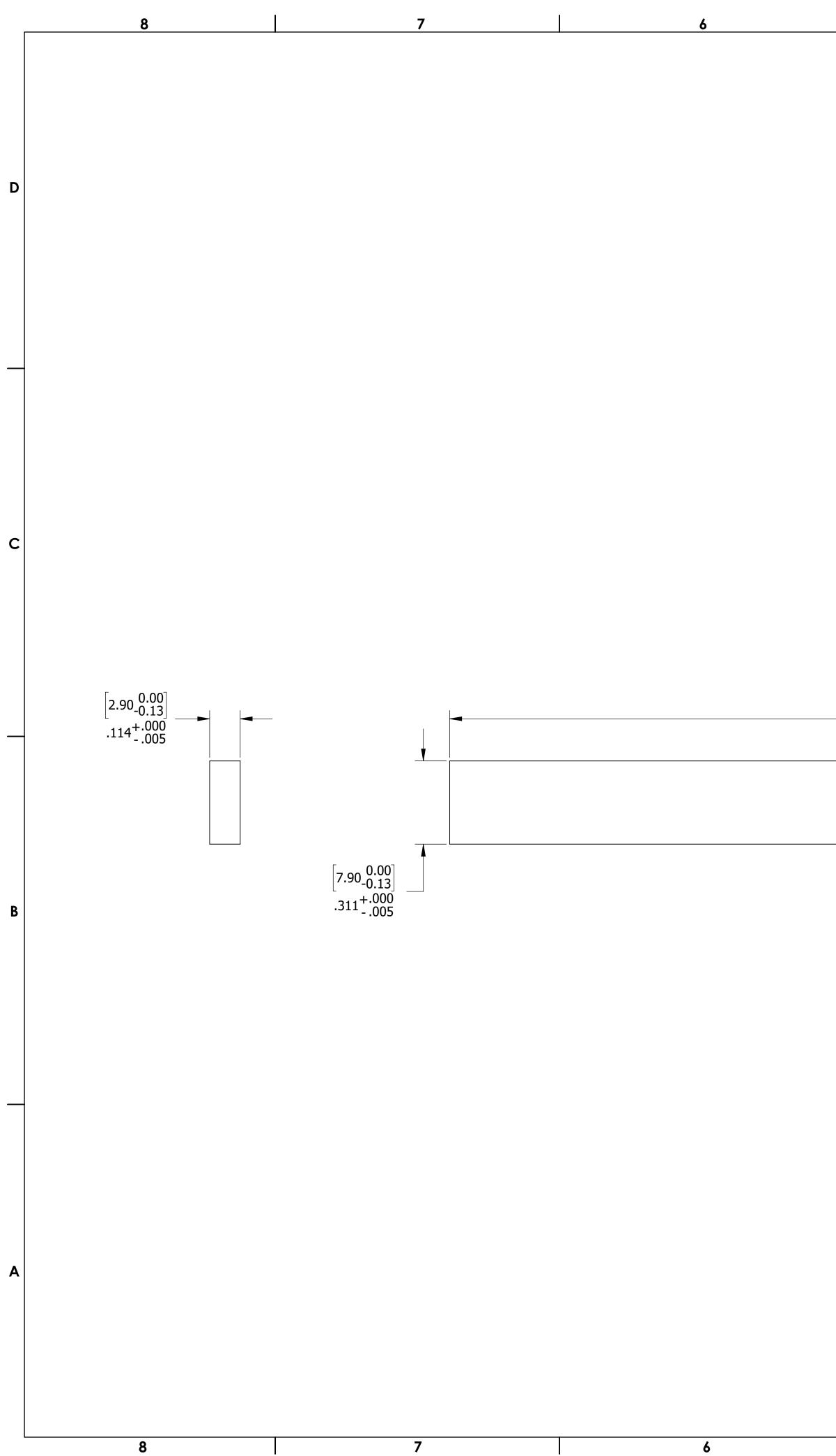
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QUALITY VERIFICATIO	ON ENTS	THIRD-ANGLE		APPROVALS	DATE		i la	7		RIDGE	NATIO	THE PROPER NAL LA ARTMENT OF	BORAT		
MATERIAL MILL TEST REPORT		PROJECTION	DES	EJ FOUNTAIN	03/24/2023);=	∕				R22725 OAk			_
LEAK TEST REPORT		UNLESS OTHERWISE NOTED	DRW	EJ FOUNTAIN	03/24/2023	3 Г	RSG		RE	MOT	e sys	TEMS	GROU	JP	Shim
CLEANING CERT		DIMENSIONS ARE IN INCHES	СНК	JP SLADE	03/24/2023										
WELD / BRAZE INSPECTION REPORT		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M	ENG	EJ FOUNTAIN	03/24/2023	,				EP	IC				Plate
HEAT TREAT REPORT		BREAK SHARP CORNERS AND			05/24/2025	<u>'</u>		т	NWI	R A	SSEM	IRI Y			
DIMENSIONAL REPORT		REMOVE ALL BURRS	QA					•							Absorber
MATERIAL SELLER CERT		DEFAULT TOLERANCES							L	JNG	SHIN				Ab
FUNCTIONAL TEST REPORT		LINEAR ANGULAR X.X = ±.100 ±1/2°			72 LBS	SIZE	NEXT ASS	SY		DWG NC				REV	
DEVIATION REQUEST	x	X.XX = ±.010 X.XXX = ±.005		THIS DRAWING PRODUCED U		D	D EPIC-2		2-200		EPIC-209		9	0) FIL
NONCONFORMANCE REPORT	x	DO NOT SCALE DRAWING	1 '	SolidWork		SCALE	2:1	NAME	LONG	SHIM			SHEET	1 of 1	75
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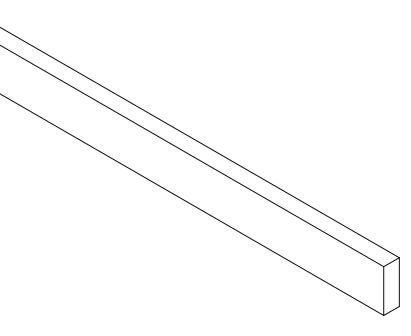
NOTES

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QUALITY VERIFICATION REQUIREMENTS DOCUMENTS		THIRD-ANGLE		APPROVALS	DATE		[]		OAK RI	DGE N	VING IS THE PF ATIONAL J.S. DEPARTME	LAB	BORAT		
MATERIAL MILL TEST REPORT	x	PROJECTION	DES	EJ FOUNTAIN	03/24/2023	$ \langle$);=	7			C05-00OR2272				
LEAK TEST REPORT		UNLESS OTHERWISE NOTED	DRW	EJ FOUNTAIN	03/24/2023	ĪĪ	RSG		REM	ΟΤΕ	SYSTE/	NS (GRO	UP	
CLEANING CERT		DIMENSIONS ARE IN INCHES	СНК	JP SLADE	03/24/2023										
WELD / BRAZE INSPECTION REPORT		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M			EPIC										
HEAT TREAT REPORT		BREAK SHARP CORNERS AND	ENG EJ FOUNTAIN 03/24/2023			-	TOWER ASSEMBLY								
DIMENSIONAL REPORT		REMOVE ALL BURRS	QA					-	• • • • • •						
MATERIAL SELLER CERT		DEFAULT TOLERANCES							300	KI S	SHIM				
FUNCTIONAL TEST REPORT		LINEAR ANGULAR X.X = ±.100 ±1/2°	TO		55 LBS		SY DWG NO.							REV	
DEVIATION REQUEST	х	X.XX = ±.010 X.XXX = ±.005		WEIGHT U.USSS LDS THIS DRAWING PRODUCED USING				PIC-200			EPIC-	21	0		0
NONCONFORMANCE REPORT X DO N		DO NOT SCALE DRAWING	1	SolidWork		SCALE	4:1	NAME	SHORT SHIM				SHEET	1 0	1
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