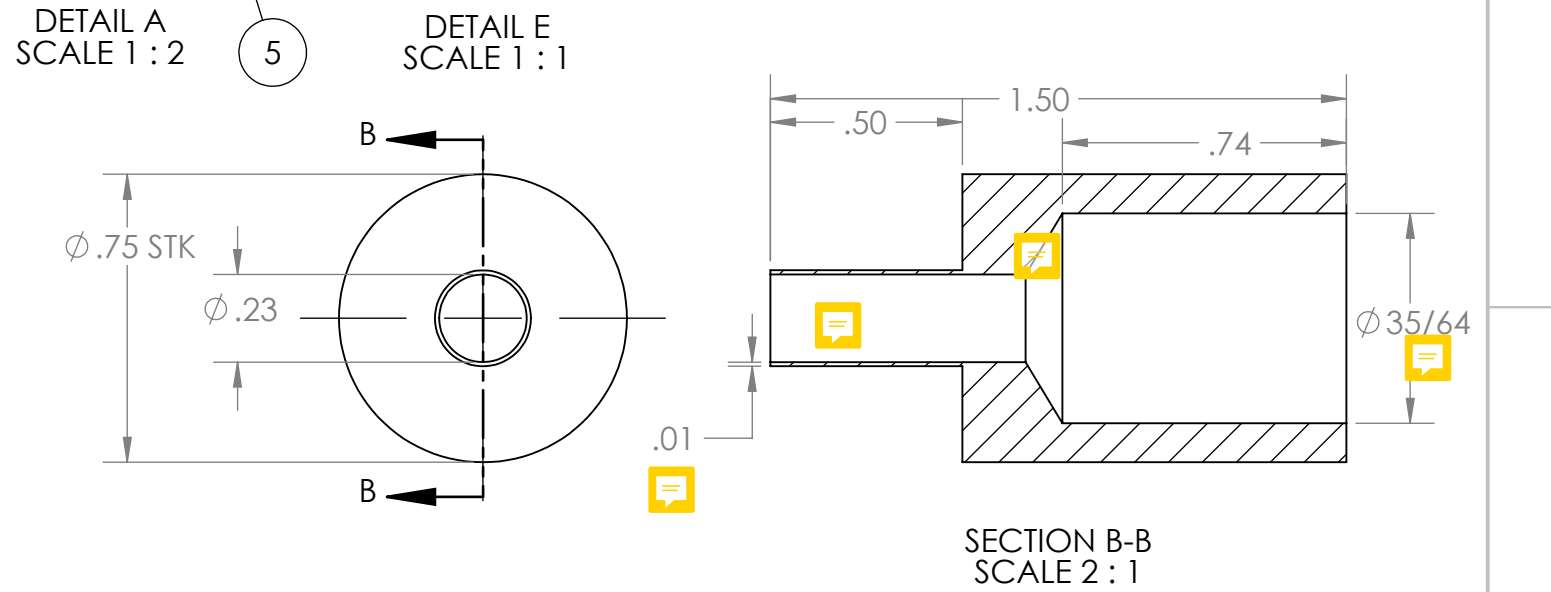


-100 ERH2 System Assy.

ITEM NO.	PART NUMBER	SUPPLIER	DESCRIPTION	MATERIAL	STOCK	QTY.
1	-100		ERH2 System Assy.			
2	Nichrome Wire Coil			Insulated Nichrome	10' Wire	1
3	3856K911	MCMaster-CARR	Bendable Thermocouple Probe			1
4	ME440-S23-01-ERH2-2-200		Electrolyzer			1
5	ME440-S23-01-ERH2-3-300		Storage Capsule			
6	361K32	MCMaster-CARR	Barbed Hose Fitting			1
7	44555K162	MCMaster-CARR	Brass Low-Pressure Barbed Tube Fitting			2
8	-101		3/4 - 1/4 Reducer	304 Stainless Steel	3/4" Bar	2
9	5239K13	MCMaster-CARR	PTFE Semi-Clear Tubing	PTFE	25' Tube	4
10	1/4" NPT Coupler F-F					1
11	2798K21	MCMaster-CARR	Pressure Gauge			2
12	4537K24	MCMaster-CARR	3/4" Yor-Lok Valve			2
13	89895K757	MCMaster-CARR	3/4" OD 304 Stainless Steel Tubing		3' Tube	1
14	4057K3	MCMaster-CARR	Ceramic Fiber Pipe Insulation			1



-101 3/4 - 1/4 Reducer

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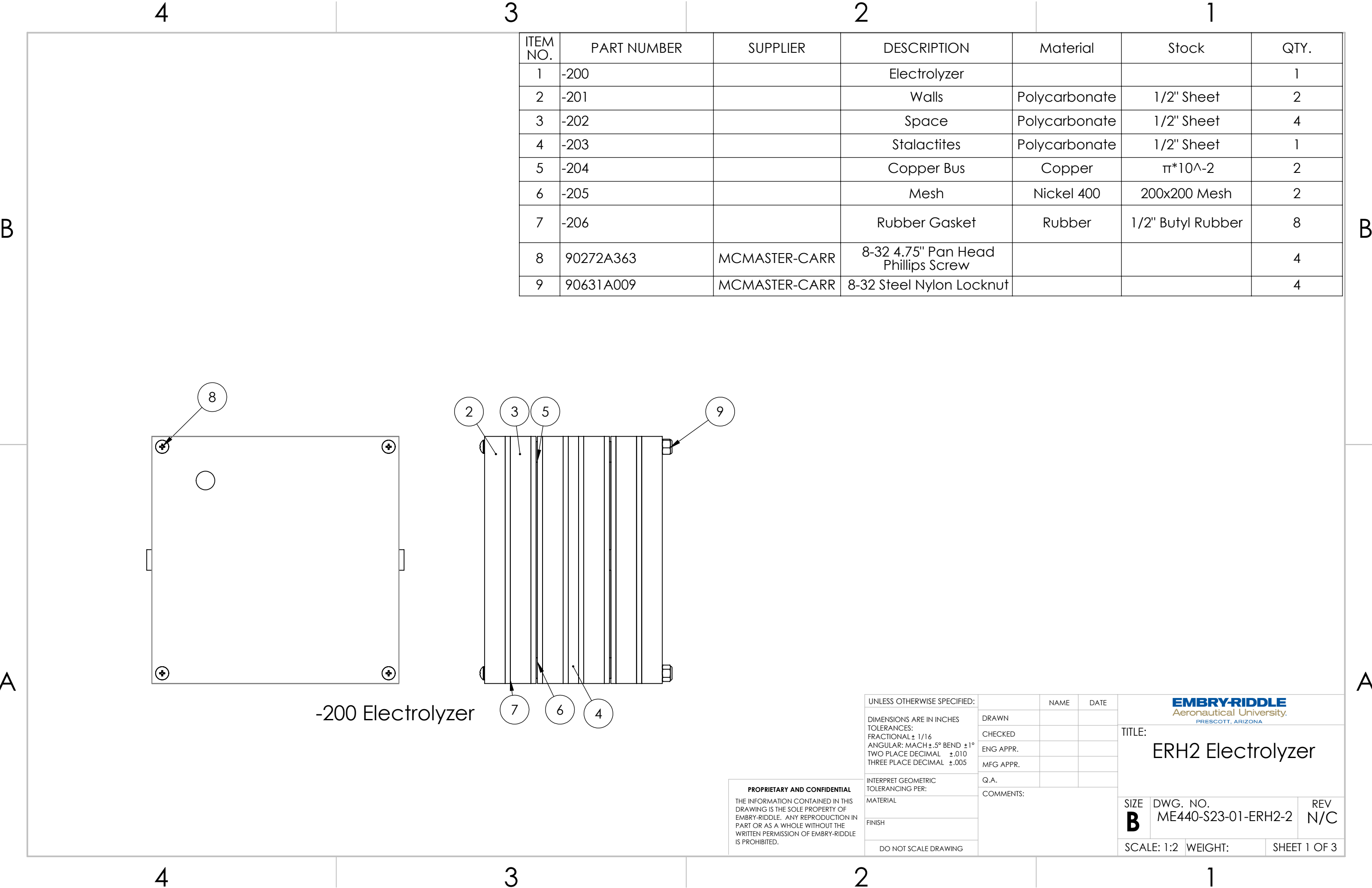
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DIMENSIONS ARE IN INCHES		DRAWN	
TOLERANCES:		CHECKED	
FRACTIONAL: $\pm 1/16$		ENG APPR.	
ANGULAR: MACH $\pm .5^\circ$ BEND $\pm 1^\circ$		MFG APPR.	
TWO PLACE DECIMAL $\pm .010$		Q.A.	
THREE PLACE DECIMAL $\pm .005$		COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
FINISH			
DO NOT SCALE DRAWING			

EMBRY-RIDDLE
Aeronautical University.
PRESCOTT, ARIZONA

TITLE:
ERH2 SYSTEM

SIZE B	DWG. NO. ME440-S23-01-ERH2-1	REV N/C
SCALE: 1:8		WEIGHT:
		SHEET 1 OF 1



ITEM NO.	PART NUMBER	SUPPLIER	DESCRIPTION	Material	Stock	QTY.
1	-200		Electrolyzer			1
2	-201		Walls	Polycarbonate	1/2" Sheet	2
3	-202		Space	Polycarbonate	1/2" Sheet	4
4	-203		Stalactites	Polycarbonate	1/2" Sheet	1
5	-204		Copper Bus	Copper	$\pi*10^{\wedge}-2$	2
6	-205		Mesh	Nickel 400	200x200 Mesh	2
7	-206		Rubber Gasket	Rubber	1/2" Butyl Rubber	8
8	90272A363	MCMASTER-CARR	8-32 4.75" Pan Head Phillips Screw			4
9	90631A009	MCMASTER-CARR	8-32 Steel Nylon Locknut			4

-200 Electrolyzer

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DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± .5° BEND ± 1° TWO PLACE DECIMAL ±.010 THREE PLACE DECIMAL ±.005	DRAWN			TITLE: ERH2 Electrolyzer		
	CHECKED					
	ENG APPR.					
	MFG APPR.					
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE DWG. NO. REV B ME440-S23-01-ERH2-2 N/C		
MATERIAL	COMMENTS:					
FINISH						
DO NOT SCALE DRAWING				SCALE: 1:2	WEIGHT:	SHEET 1 OF 3

4

3

2

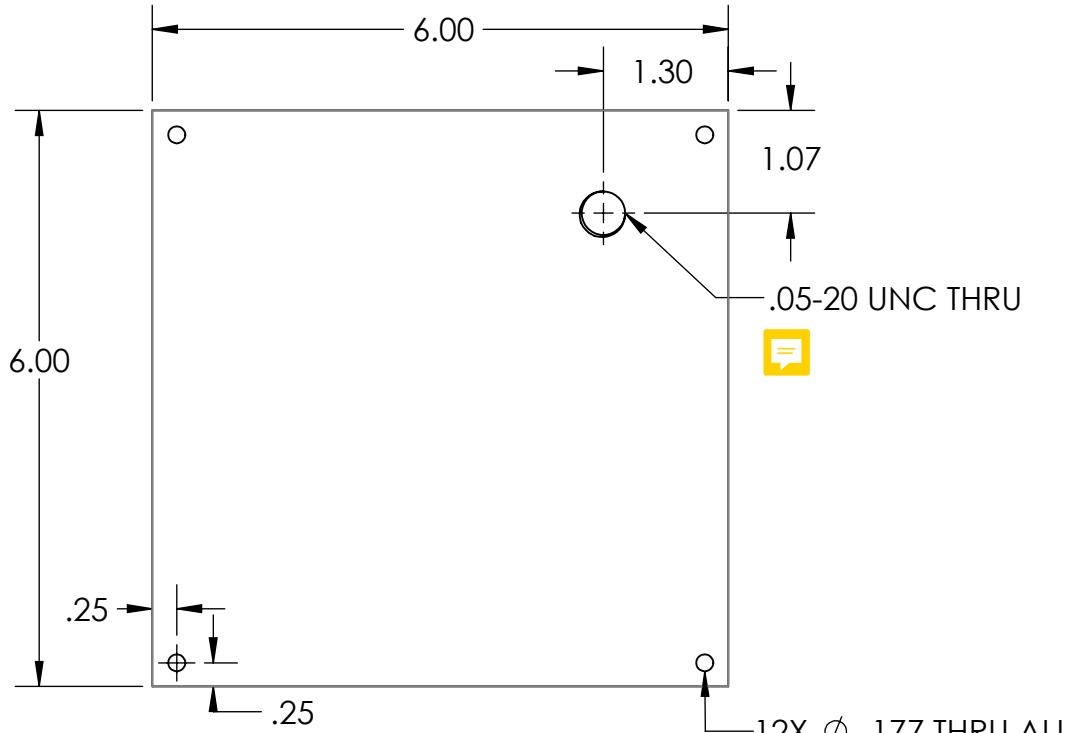
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B

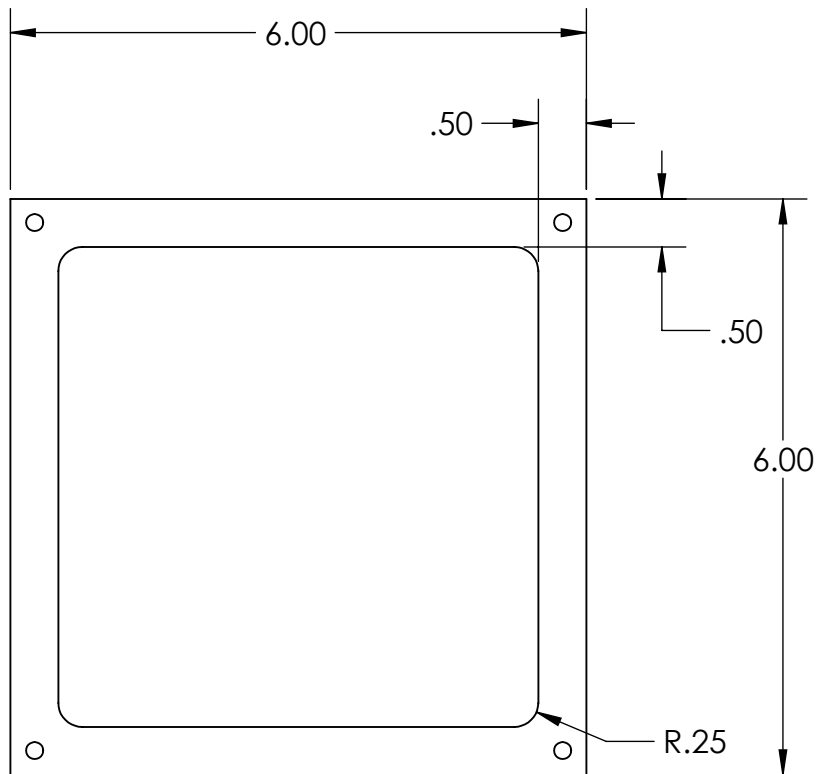
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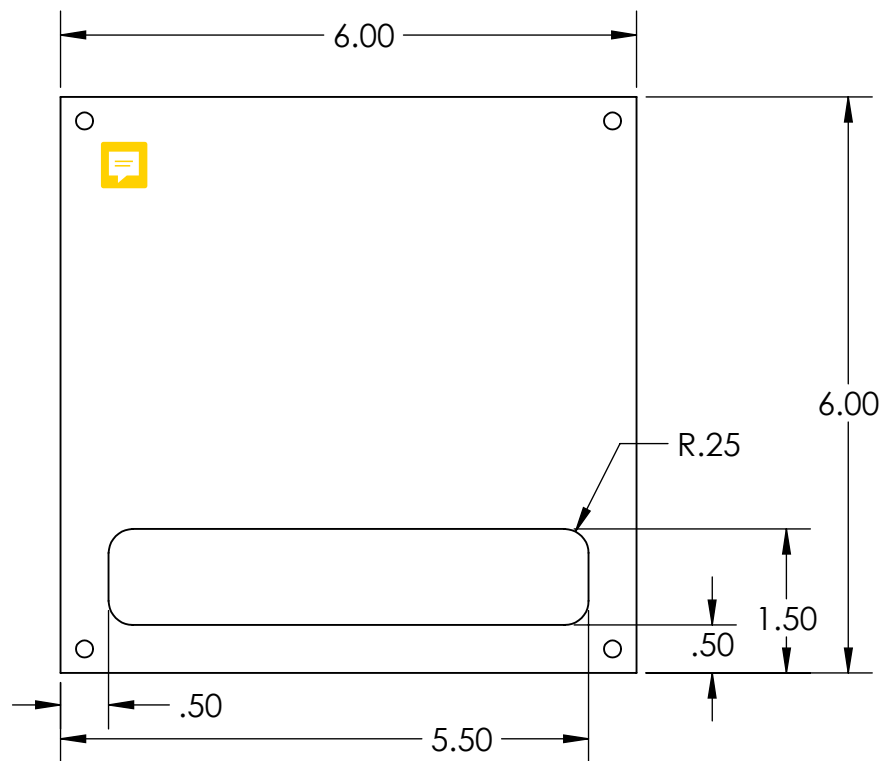
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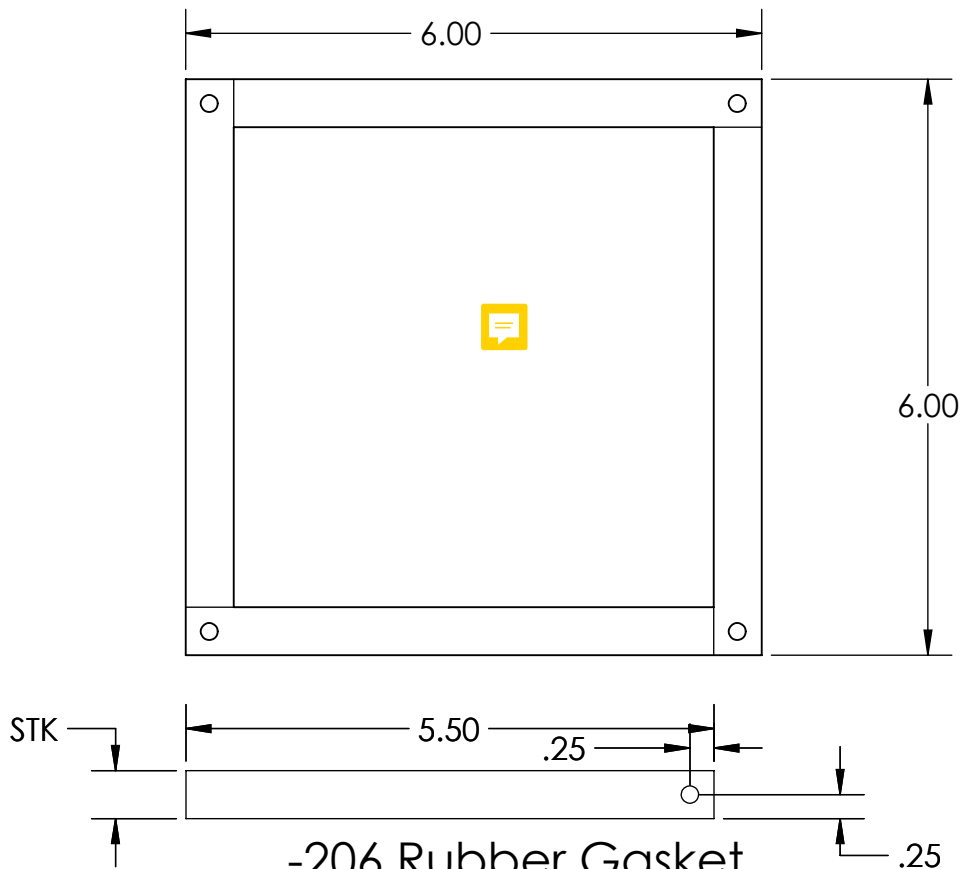
-201 Walls



-202 Space



-203 Stalagtight



-206 Rubber Gasket

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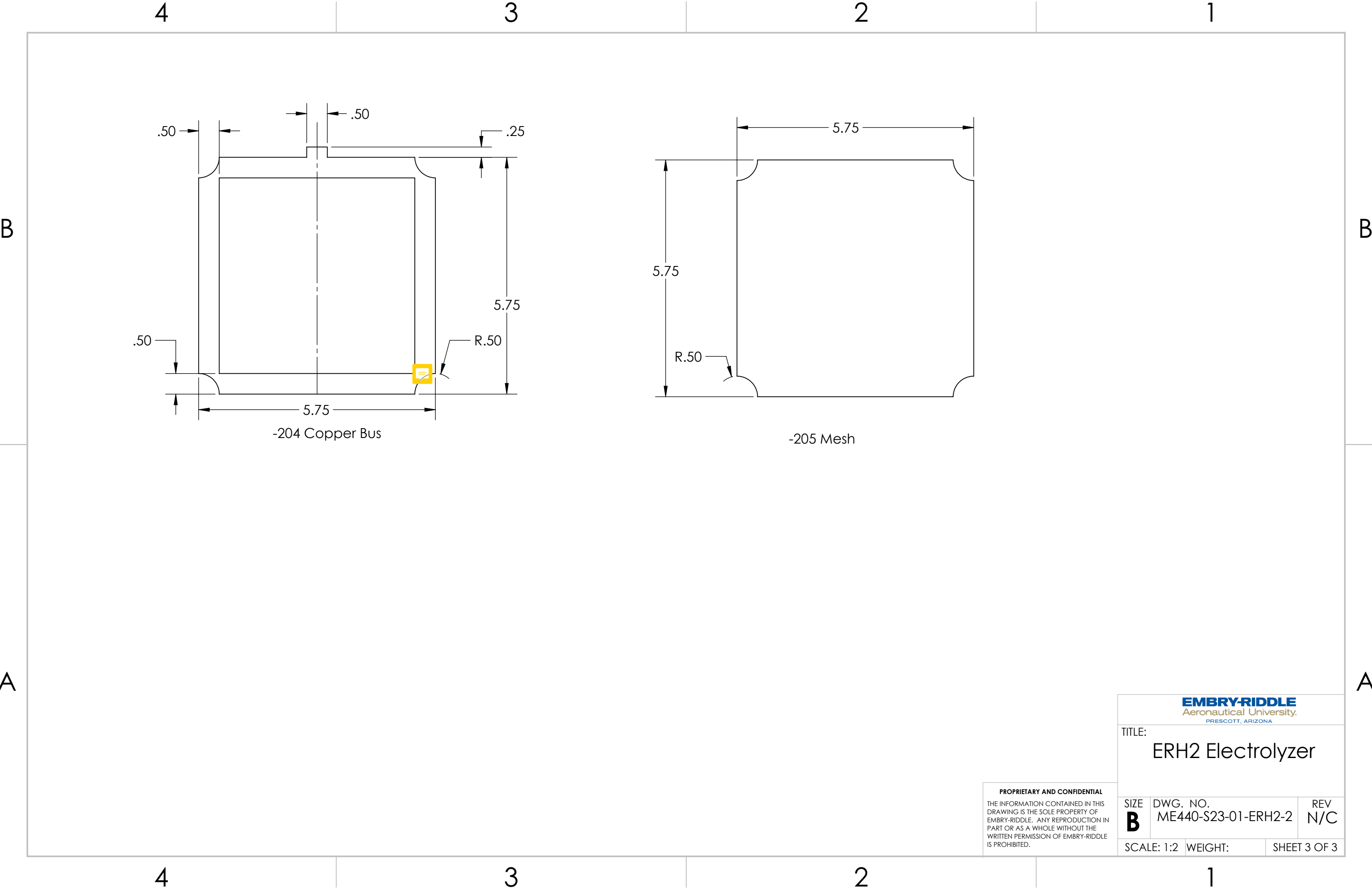
EMBRY-RIDDLE Aeronautical University. PRESCOTT, ARIZONA			
TITLE: ERH2 Electrolyzer			
SIZE B	DWG. NO. ME440-S23-01-ERH2-2	REV N/C	
SCALE: 1:2		WEIGHT:	SHEET 2 OF 3

4

3

2

1



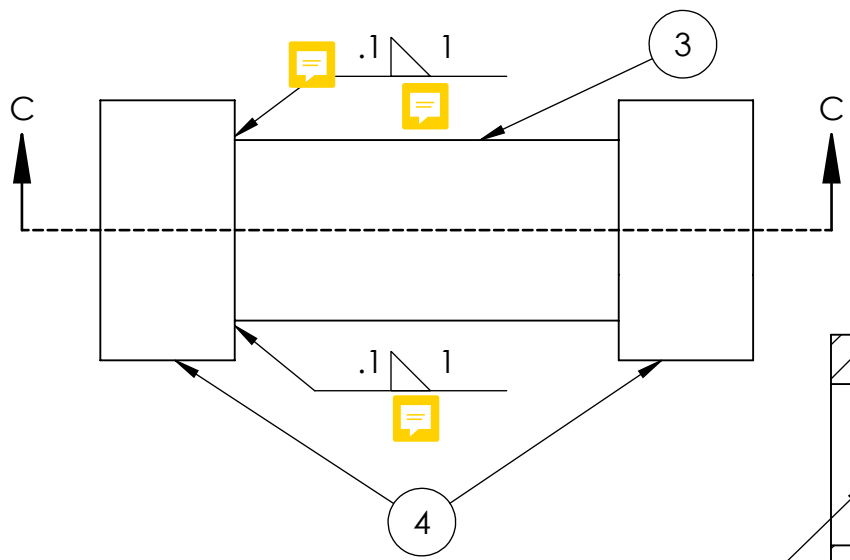
TITLE:
ERH2 Electrolyzer

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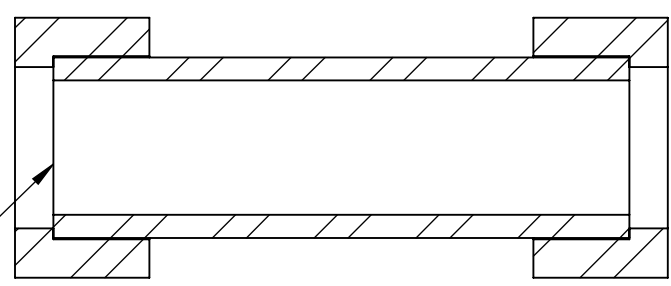
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SCALE: 1:2	WEIGHT:	SHEET 3 OF 3

B

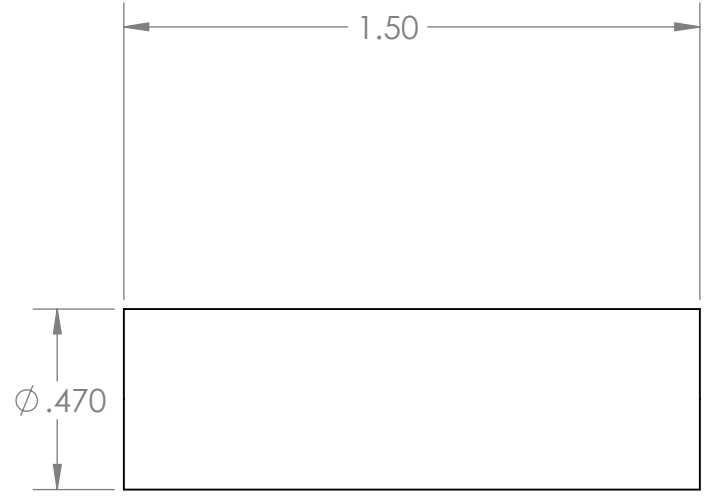
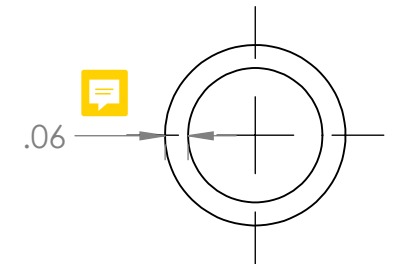
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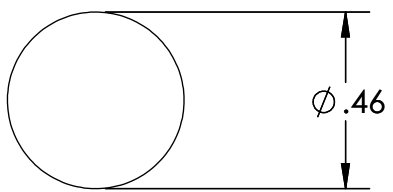
-300 STORAGE CAPSULE



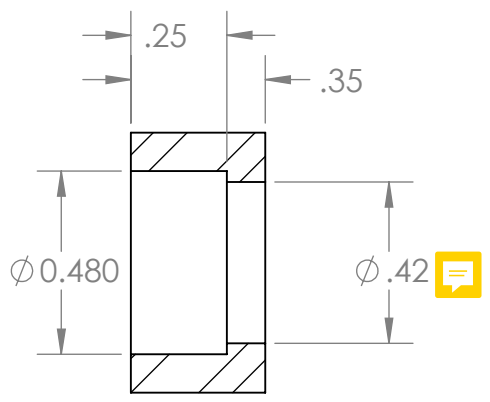
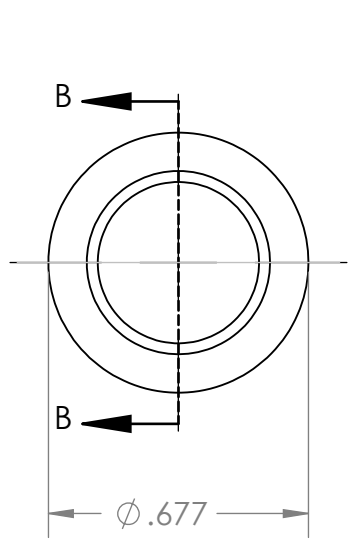
SECTION C-C



-301 CAPSULE BODY



-301 STORAGE CAPSULE



SECTION B-B

-302 CAPS

A

A

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	STOCK	QTY.
1	-300	STORAGE CAPSULE			
2	-301	1Micron Mesh	Stainless Steel		2
3	Capsule Body		304 Stainless Steel	3/4" Bar	1
4	Caps		304 Stainless Steel	3/4" Bar	2

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INTERPRET GEOMETRIC TOLERANCING PER:		CHECKED			
MATERIAL		ENG APPR.			
FINISH		MFG APPR.		TITLE:	
DO NOT SCALE DRAWING		Q.A.			
		COMMENTS:		SIZE B	DWG. NO. ME440-S23-01-ERH2-3
				SCALE: 2:1	WEIGHT:
				SHEET 1 OF 1	
				REV N/C	