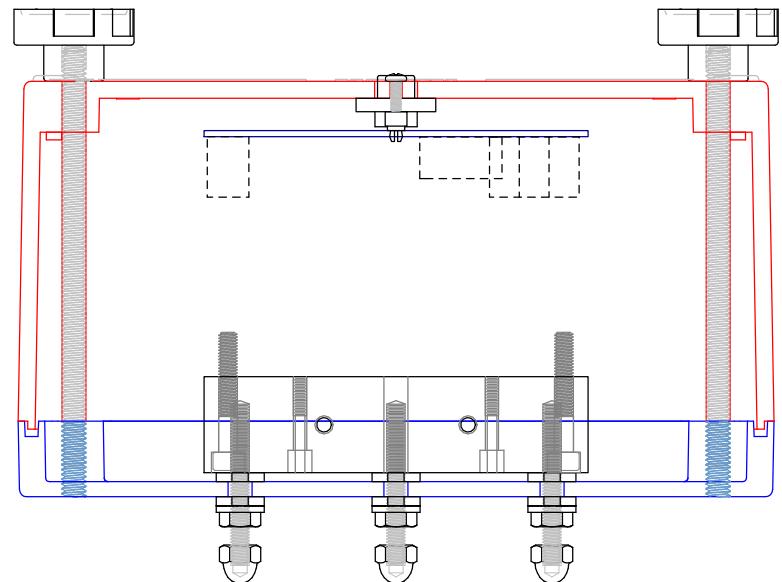
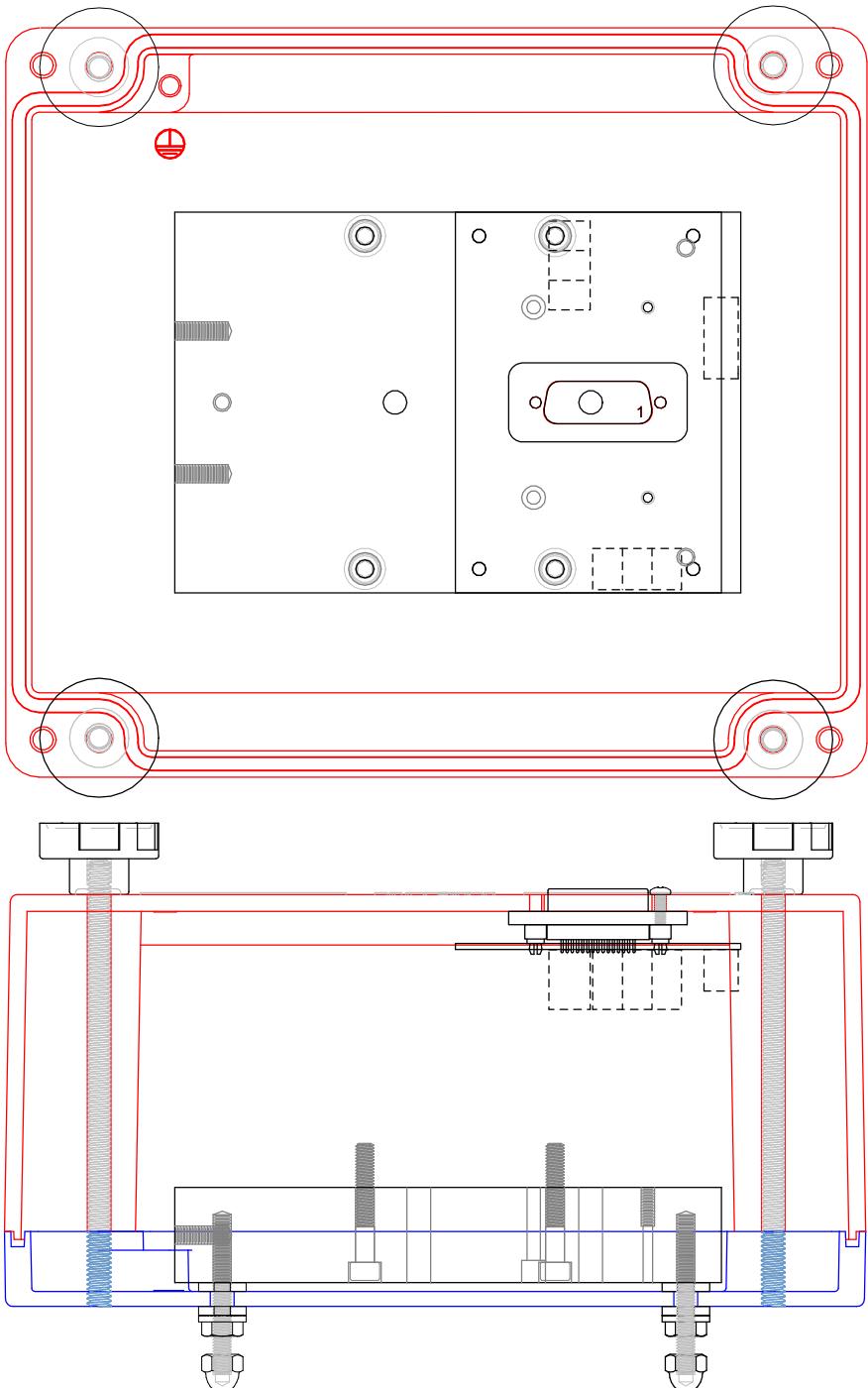
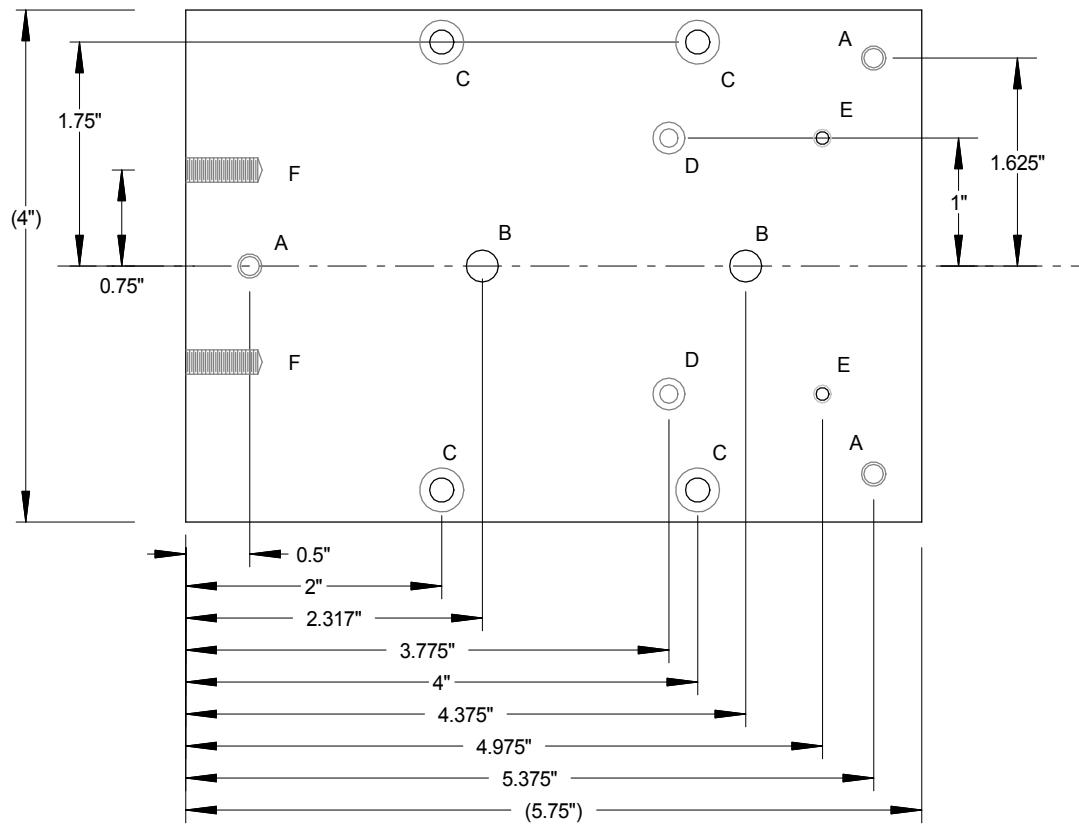


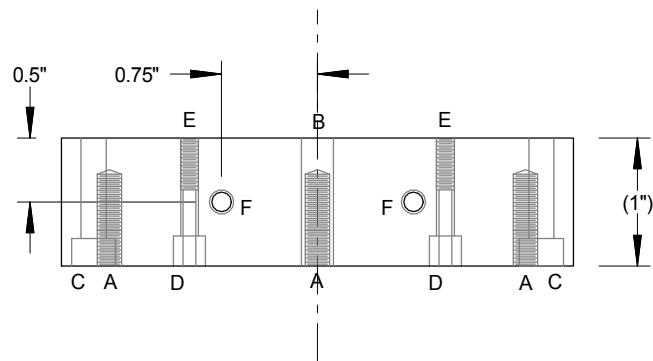
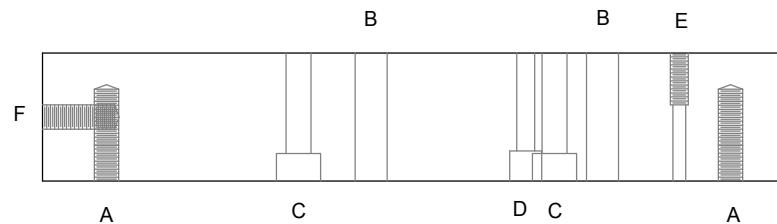
	<b>Yuma2</b> Force Balance Vertical Seismometer
Rev. 4.3	1 January, 2015 B. Nordgren



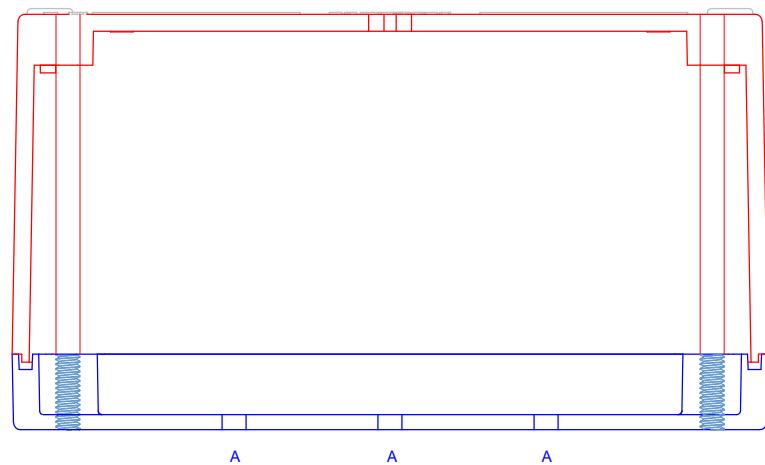
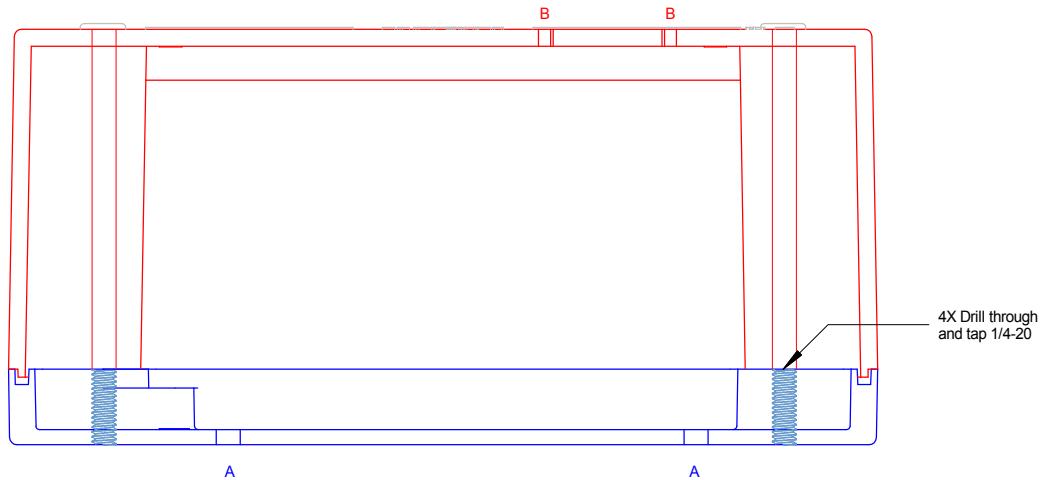
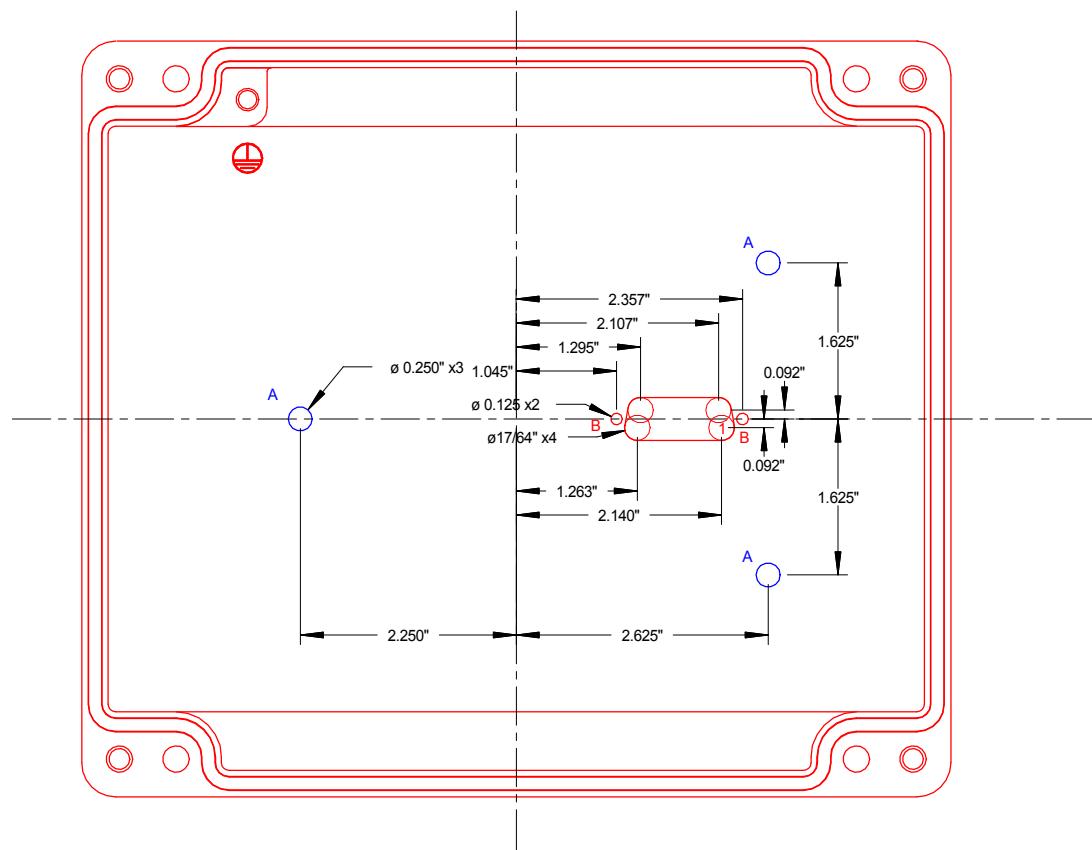
	<b>Yuma2</b> Warpless Design
Rev. 4.3	1 January, 2015 B. Nordgren



A - Drill 0.75" deep and tap 10-32  
 B - Drill through 0.25" dia.  
 C - Drill through - 0.196" dia  
 Counterbore 11/32" dia 0.215" deep  
 D - Drill through 0.144" dia  
 Counterbore 0.25" dia 0.234" deep  
 E - Drill through #36  
 Tap 6-32 0.75" deep  
 F - Drill and tap 10-32 0.562" deep



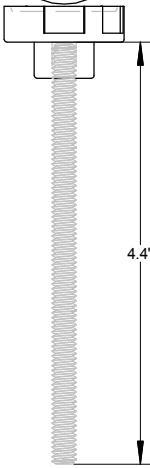
	Yuma FBV Base	
Rev. 4.0	3 October, 2014 B. Nordgren	



	Yuma Case
Rev. 4.0	3 October, 2014 B. Nordgren



McMaster 6479K54

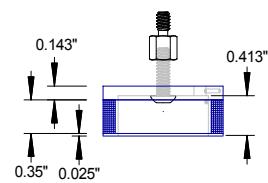
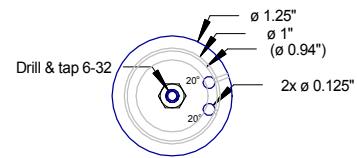


1/4-20 Threaded  
Brass Rod

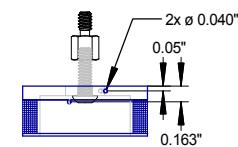
4.4"



	Yuma Knobs	
Rev. 4.0	3 October, 2014 B. Nordgren	

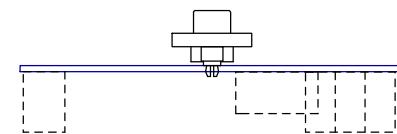
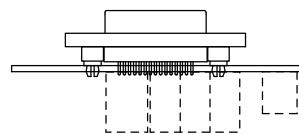
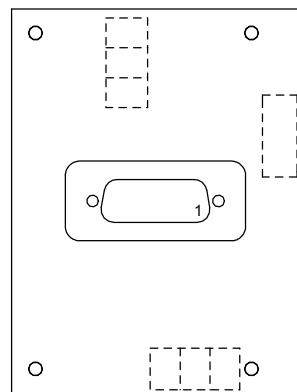


Coil: 540 turns #34 AWG  
~40 Ohms

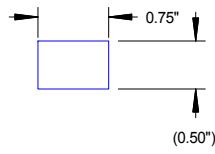


Yuma2 Coil

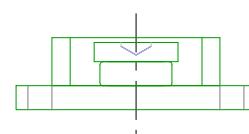
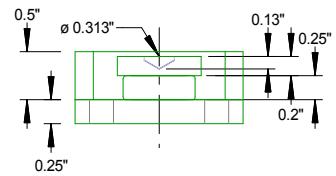
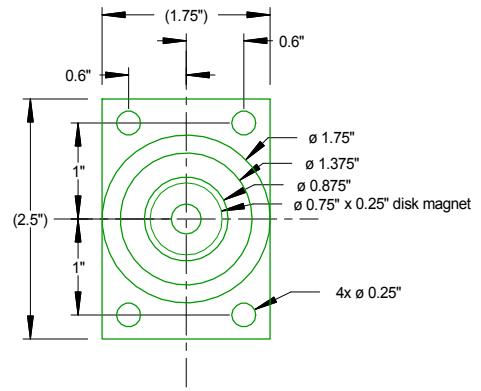
Rev. 4.3	1 January, 2015 B. Nordgren	
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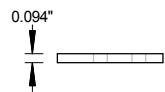
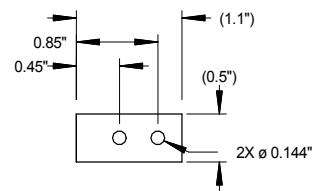
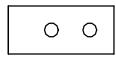
	Yuma2 Electronics PC Board	
Rev. 4.3	1 January, 2015 B. Nordgren	



	Yuma Flexures	
Rev. 4.0	3 October, 2014 B. Nordgren	

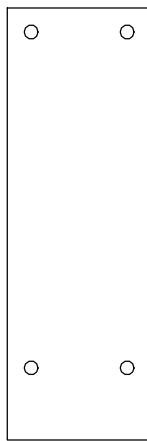


	Yuma2 Magnet
Rev. 4.3	1 January, 2015 B. Nordgren



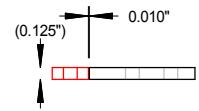
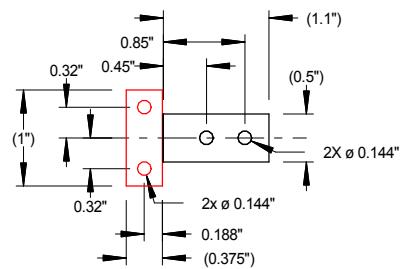
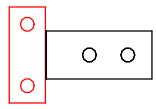
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	Yuma Pivot Shims
Rev. 4.0	1 October, 2014 B. Nordgren

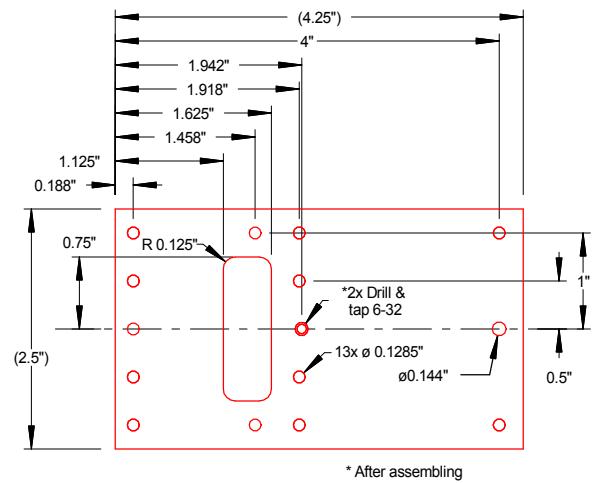


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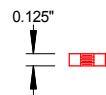
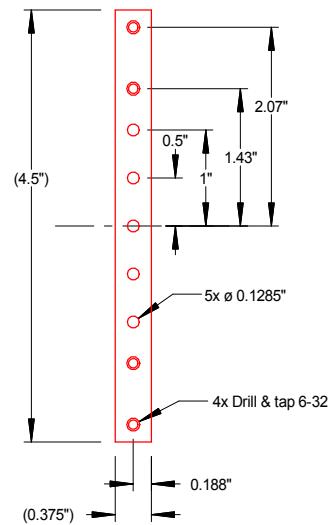
	Yuma Sensor Plate
Rev. 4.0	1 October, 2014 B. Nordgren



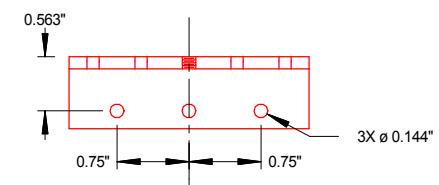
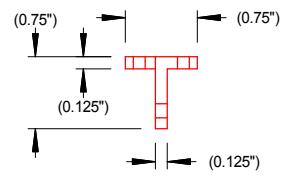
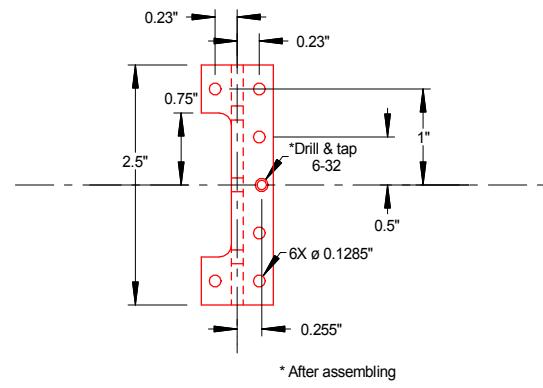
	Yuma Pivot Clamps
Rev. 4.0	1 October, 2014 B. Nordgren



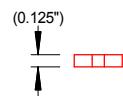
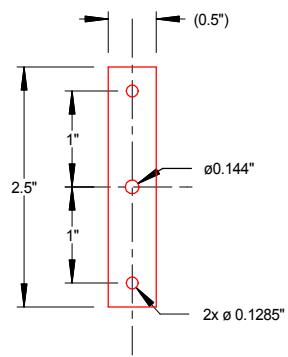
	Yuma Top Plate
Rev. 4.0	4 October, 2014 B. Nordgren



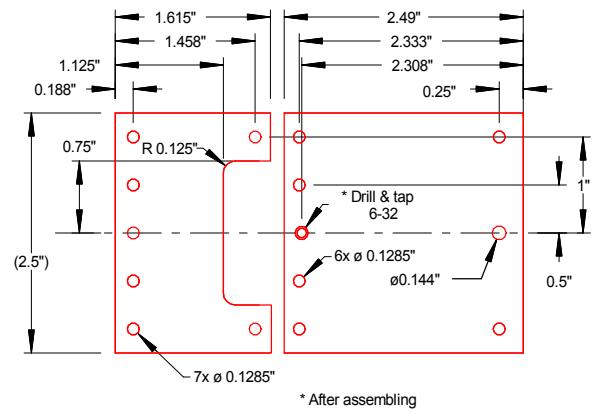
	Yuma Spacer-1
Rev. 4.0	4 October, 2014 B. Nordgren



	Yuma2 Spacer 2
Rev. 4.1	12 December, 2014 B. Nordgren

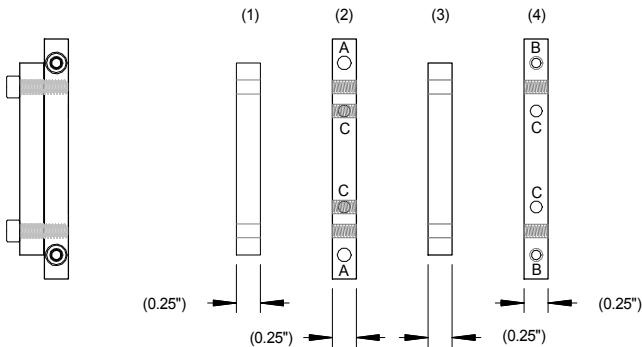


	Yuma Spacer-3
Rev. 4.0	4 October, 2014 B. Nordgren

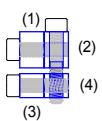
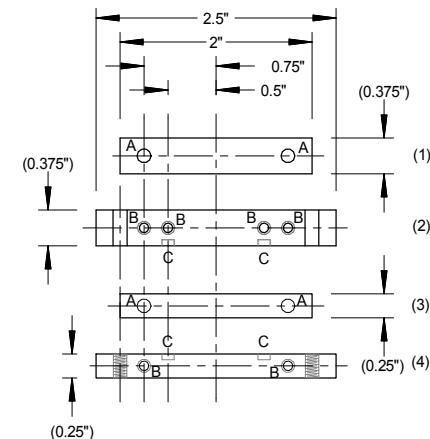


note: Tap holes  
after assembly.

	Yuma Bottom Plates	
Rev. 4.0	4 October, 2014 B. Nordgren	

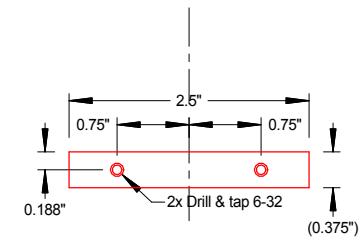
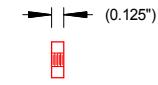


A - Drill through 0.144" dia  
 B - Drill through #36 Tap 6-32  
 C - Drill 1/8"dia 0.062"deep

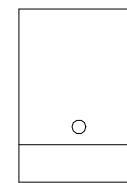
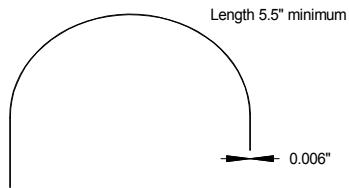
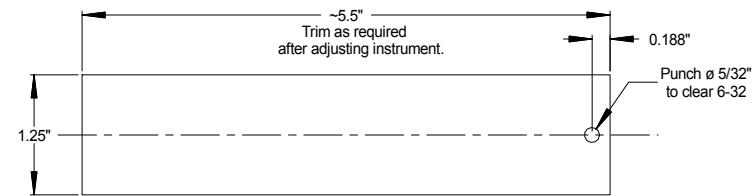


Springs - McMaster 9657K257

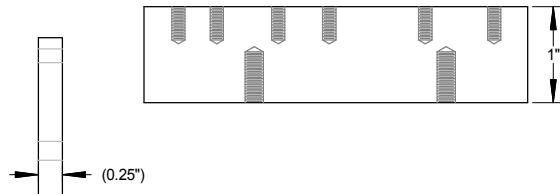
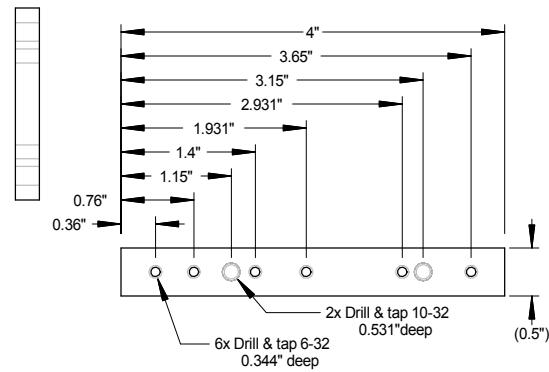
	Yuma Spring Clamp - 1
Rev. 4.0	2 October, 2014 B. Nordgren



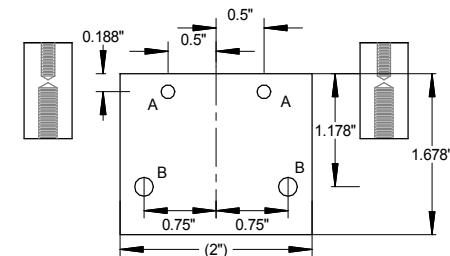
	Yuma Spring Clamp - 2
Rev. 4.0	1 October, 2014 B. Nordgren



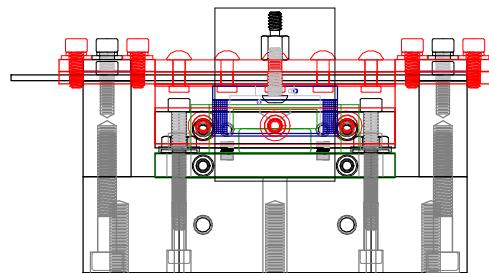
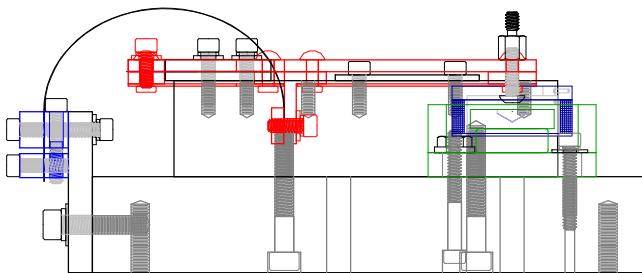
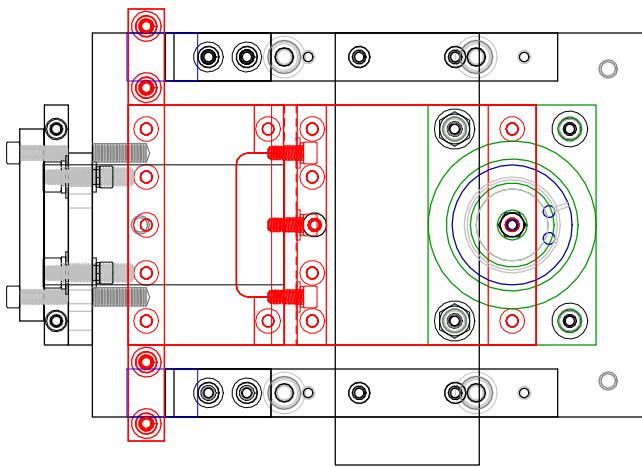
	Yuma2 Leaf Spring
Rev. 4.3	2 January, 2015 B. Nordgren



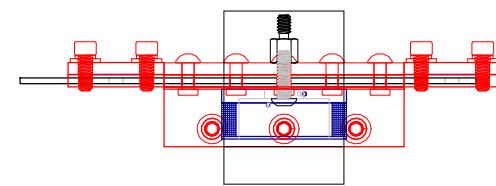
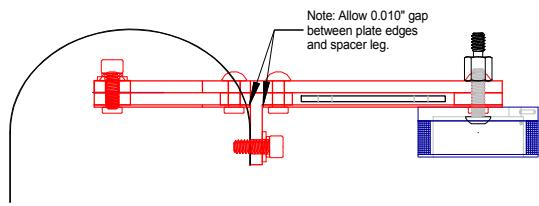
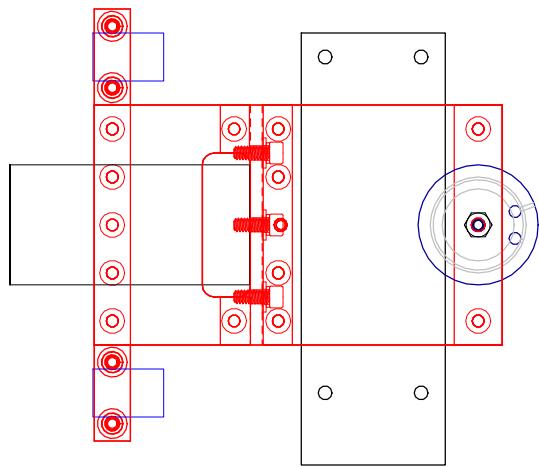
A - Drill through - 0.144" d  
B - Drill through - 0.196" d



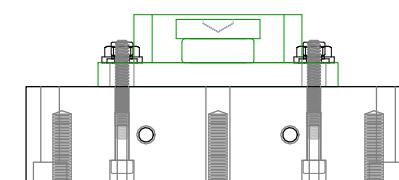
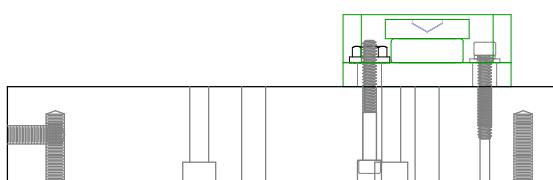
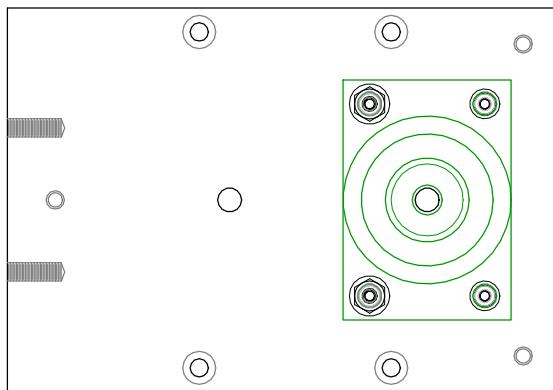
	Yuma Towers
Rev. 4.0	3 October, 2014
	B. Nordgren



	<p><b>Yuma2</b> Mechanical Assembly</p>
Rev. 4.3	1 January, 2015 B. Nordgren

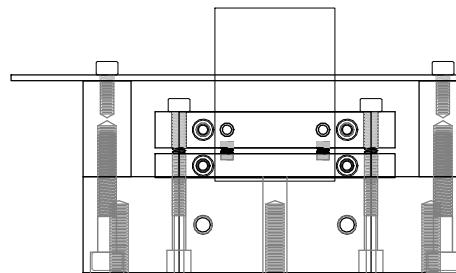
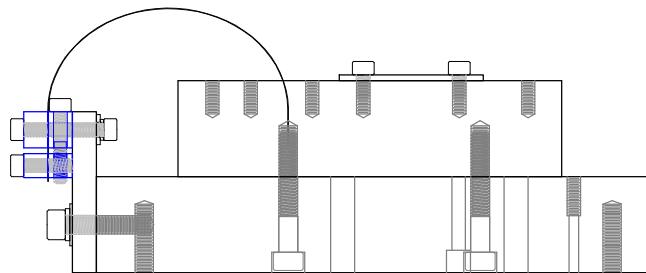
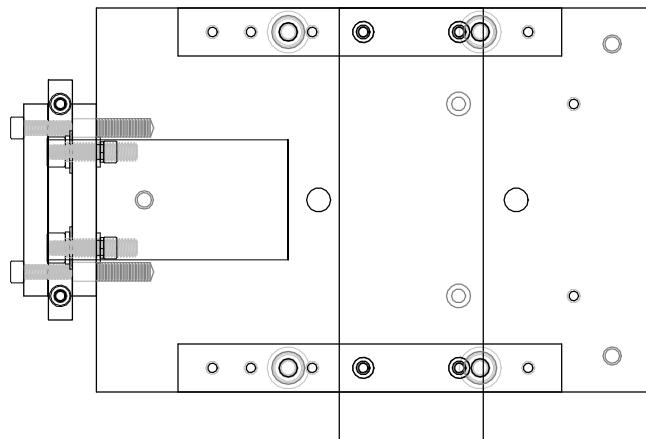


	Yuma2 Boom Assembly
Rev. 4.3	1 January, 2015 B. Nordgren

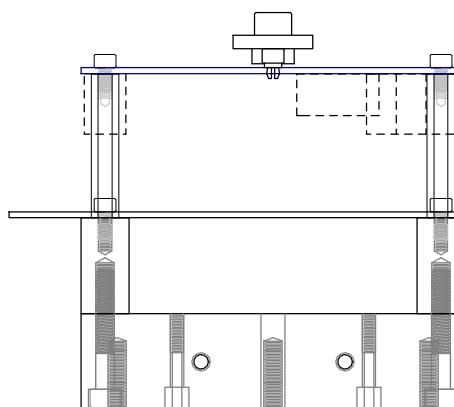
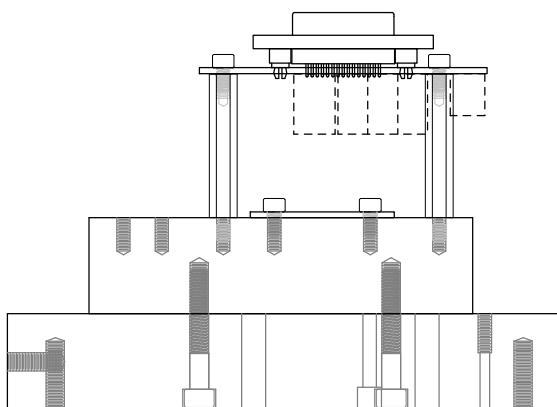
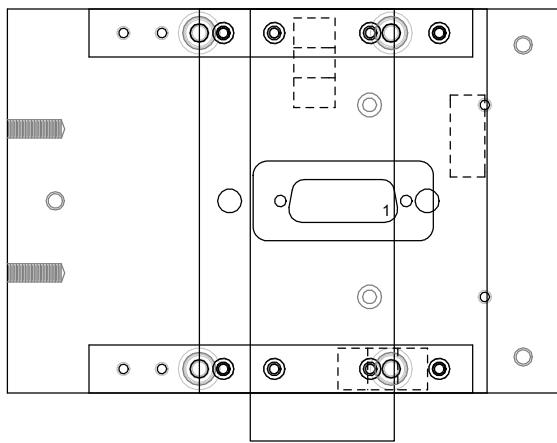


Yuma  
Magnet Assembly

Rev. 4.0	1 October, 2014 B. Nordgren



	Yuma Base Assembly
Rev. 4.0	1 October, 2014
	B. Nordgren



	Yuma2 Electronics Board Temporary mounting
Rev. 4.3	1 January, 2015 B. Nordgren