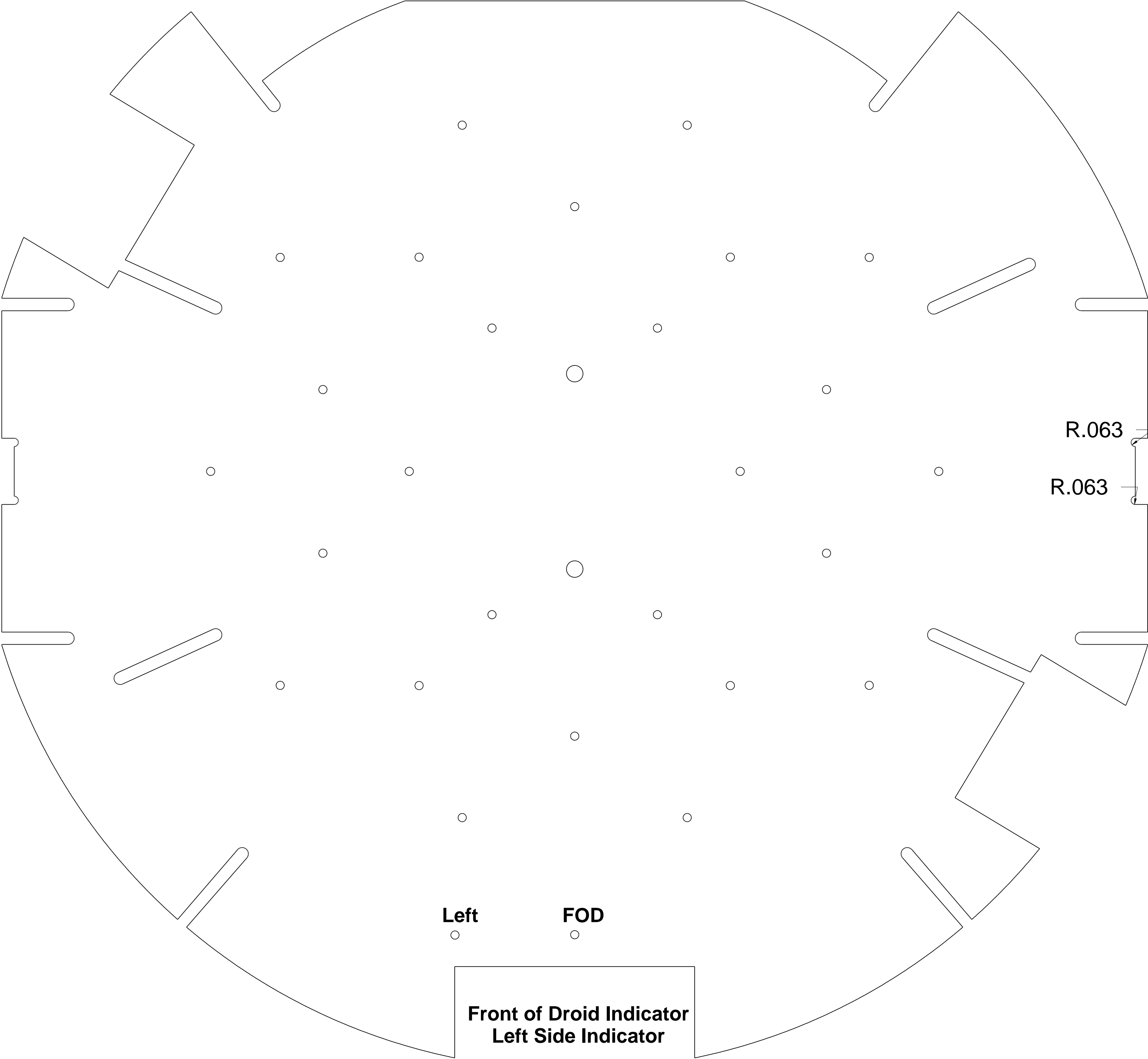


The balance of the skirt parts are the same as those used for the skirt supplied with the EggCrate Frame.
See: <http://www.r2d2.media-conversions.net/R2.skirt.html>
For both drawings and assembly instructions.
Those parts are cut from .125 and .040 thick HIPS

Ring 0 - Skirt Base

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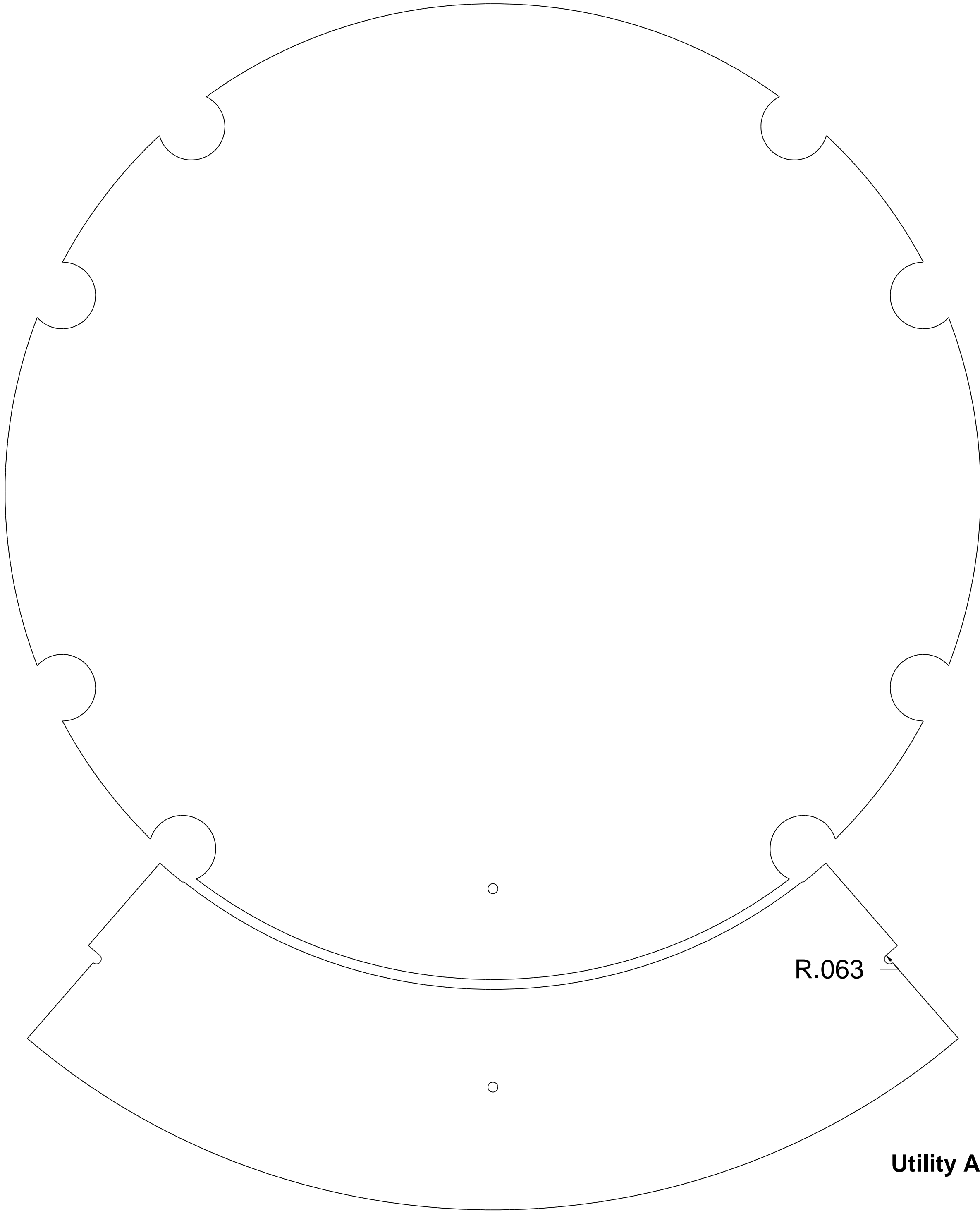
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APPROVED		SCALE		SHEET	



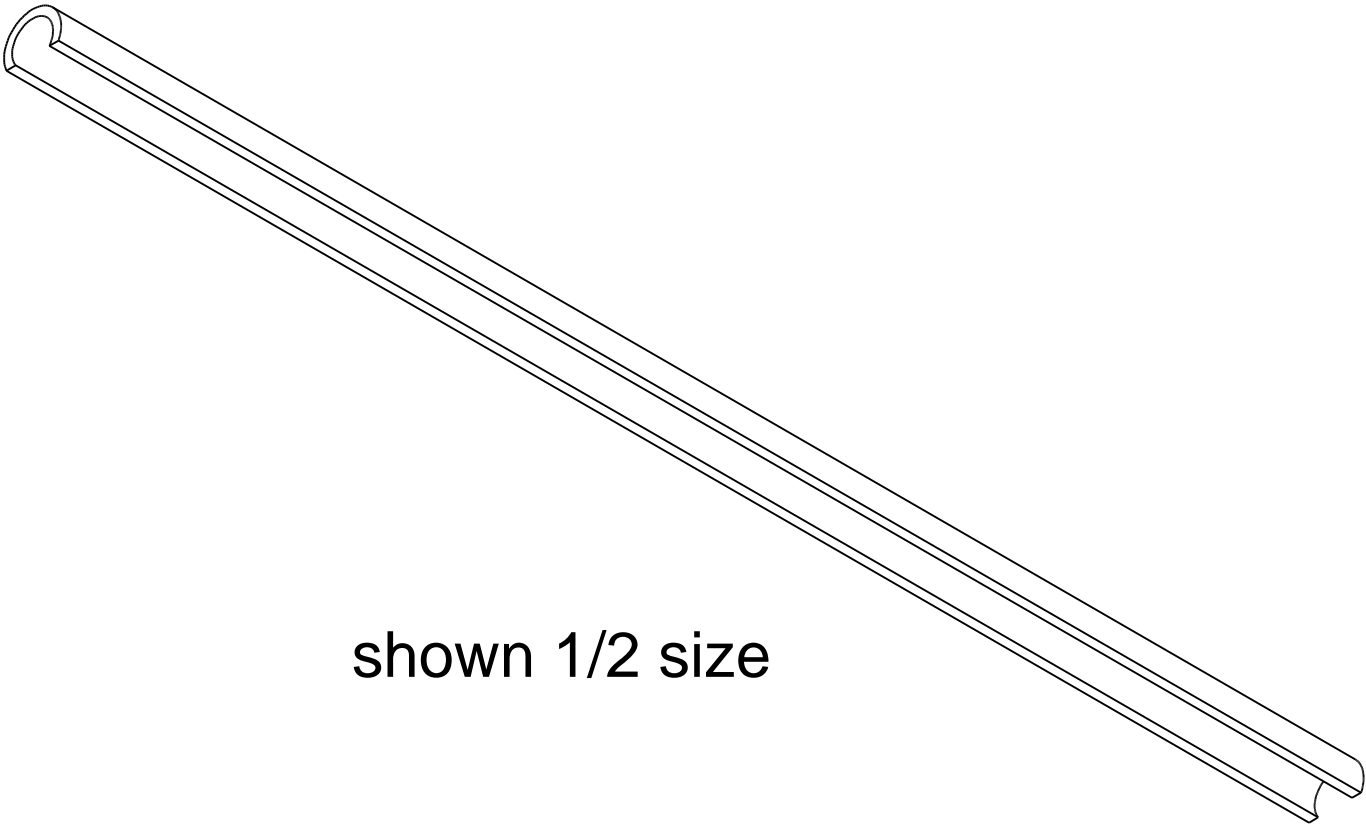
Ring 1 - Frame Bottom

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CHECKED					
QA					
MFG		SIZE C	FSCM NO.	DWG NO.	REV
APPROVED		SCALE		SHEET	

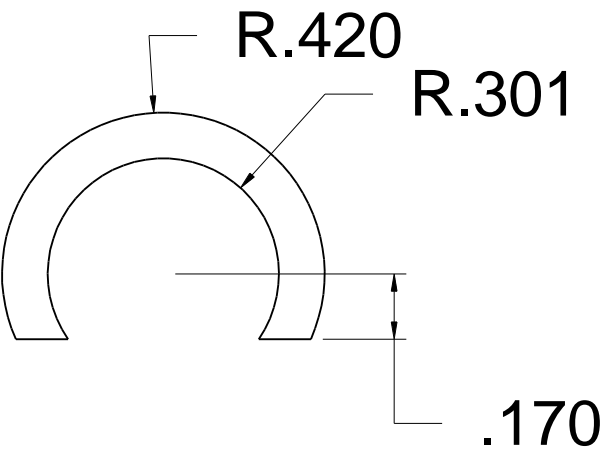


Utility Arm Ring - Lower

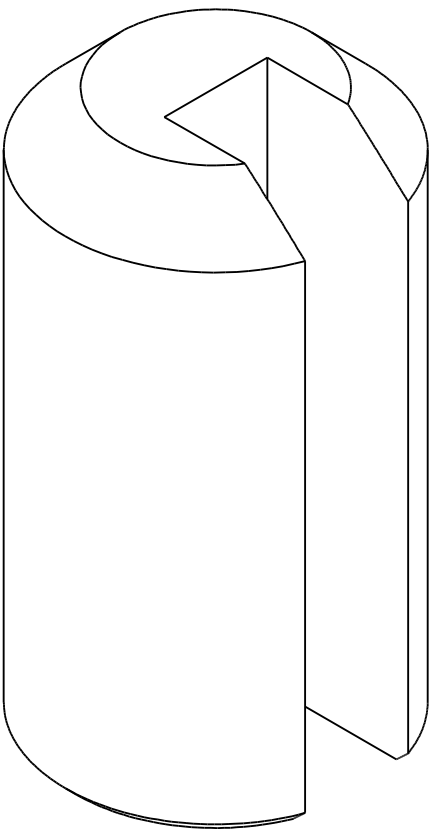


shown 1/2 size

Schedule 40 1/2 inch PVC Pipe
Cut 19 3/16 long
.25 inch removed from edge



shown 2x size

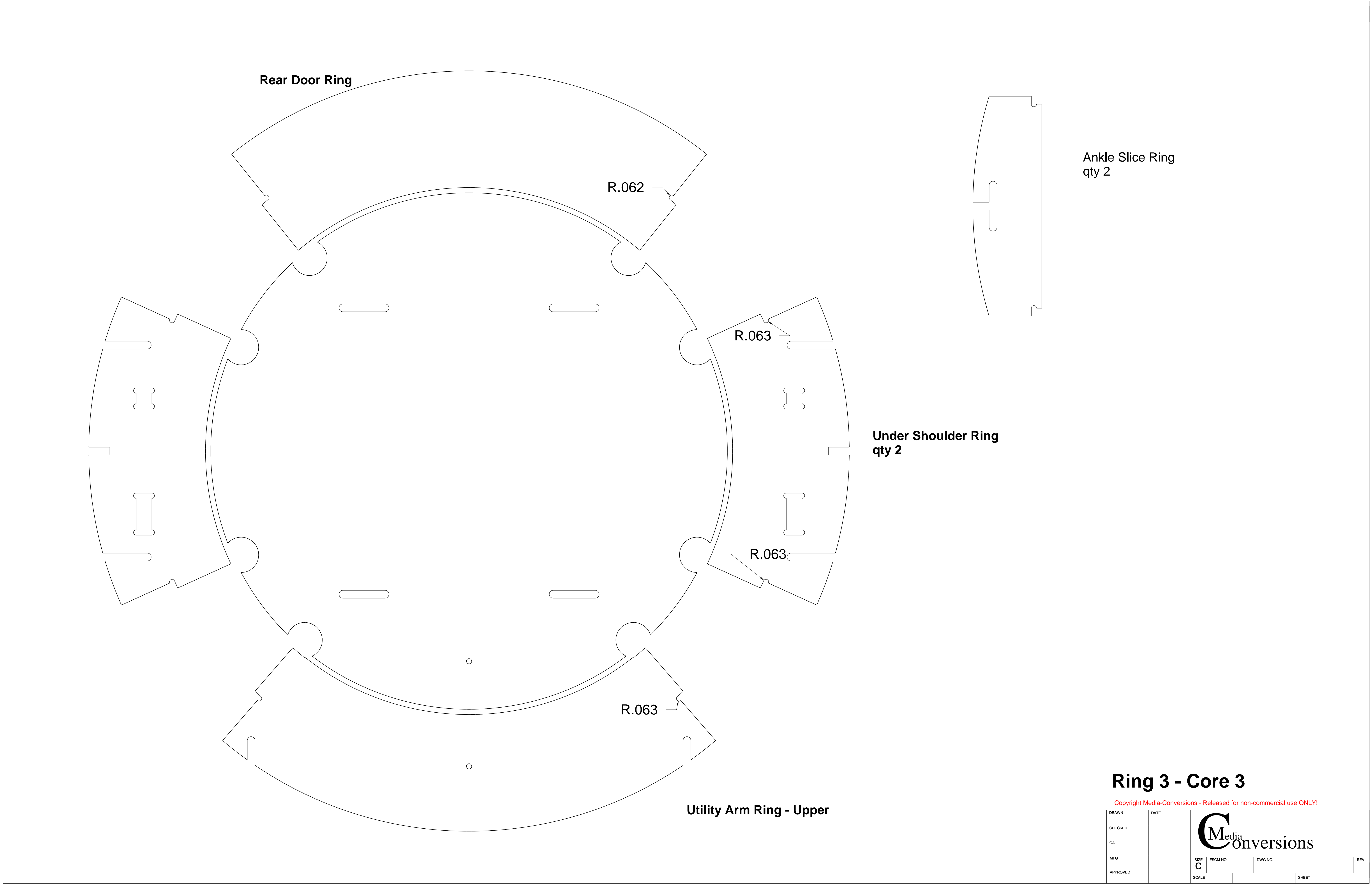


Slider
shown 5x size
consult Step design file for 3D printing

Core 2

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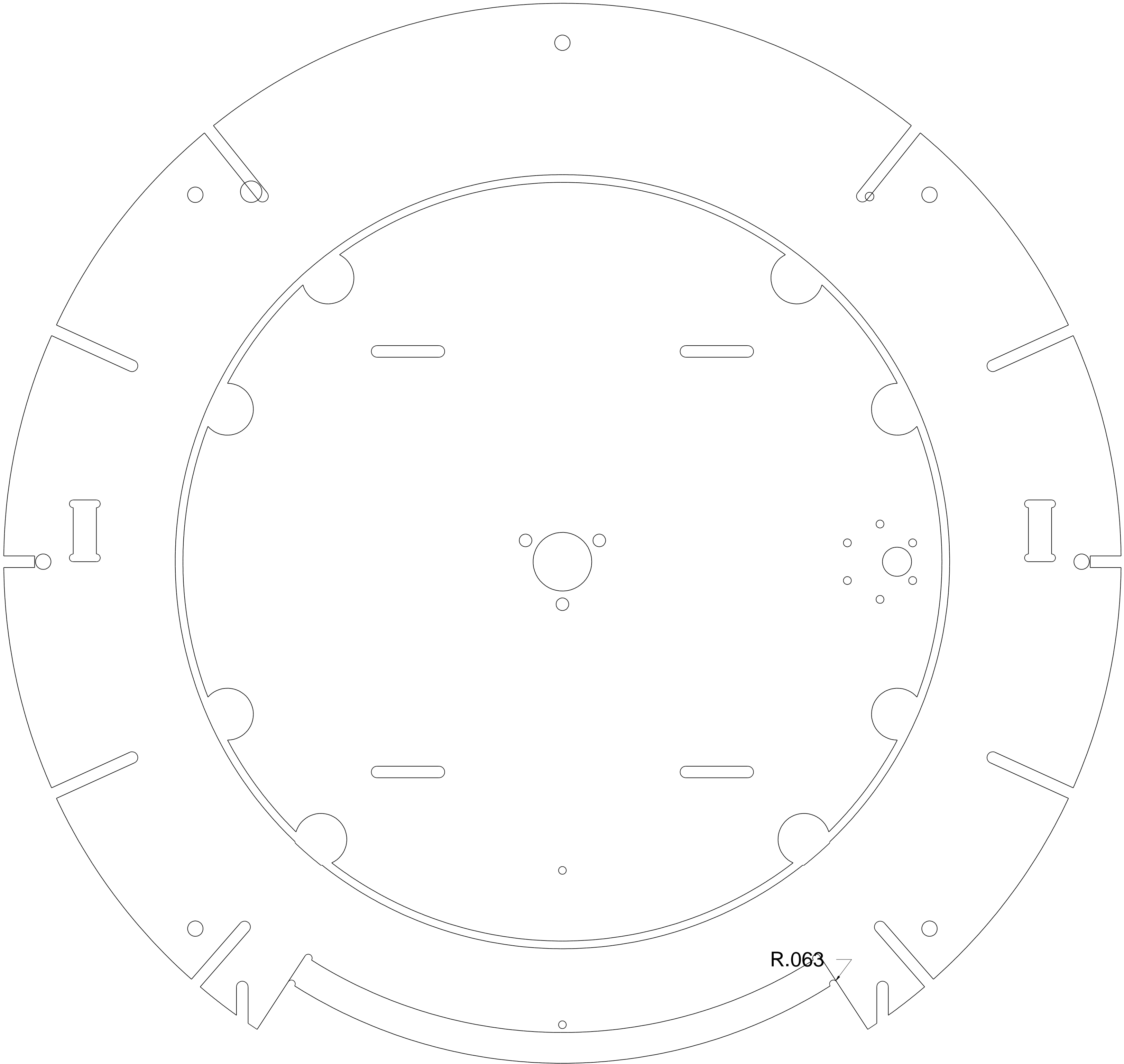
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CHECKED					
QA					
MFG		SIZE C	FSCM NO.	DWG NO.	REV
APPROVED		SCALE		SHEET	



Ring 3 - Core 3

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QA					
MFG		SIZE C	FSCM NO.	DWG NO.	REV
APPROVED		SCALE		SHEET	



cut pocket .0625 deep

R.063


Bolt pattern in Core 4 is designed for Pololu 37D 100:1 gearmotor part #1106

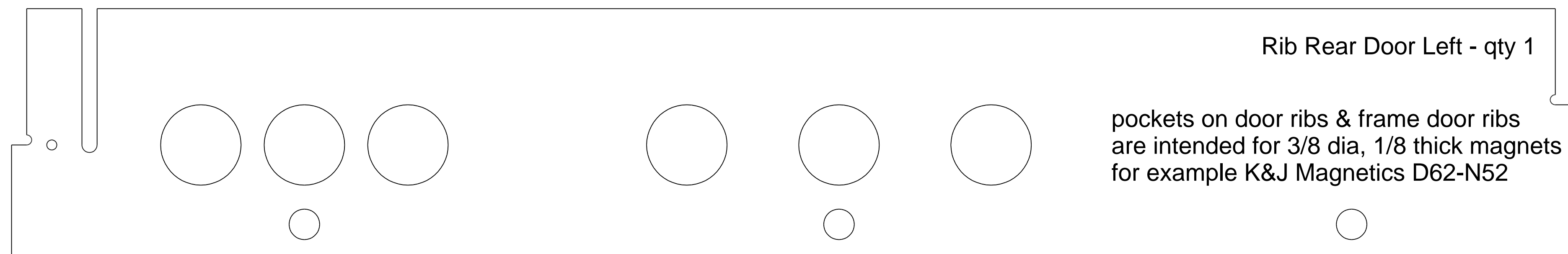
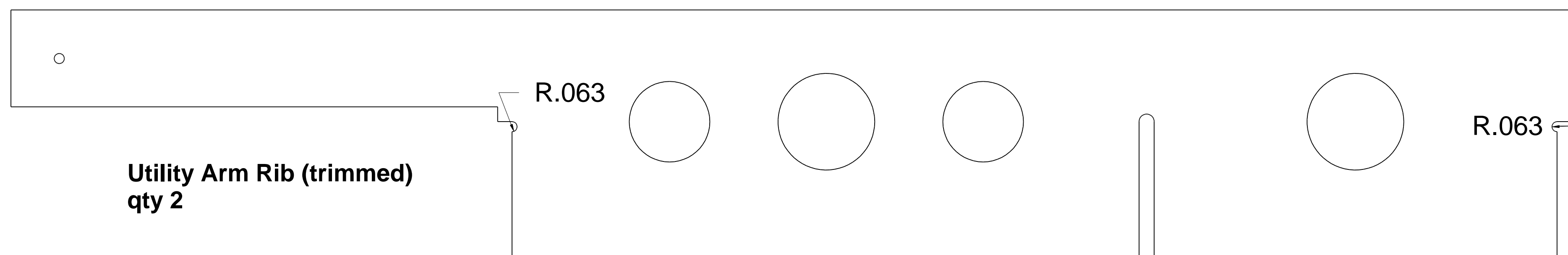
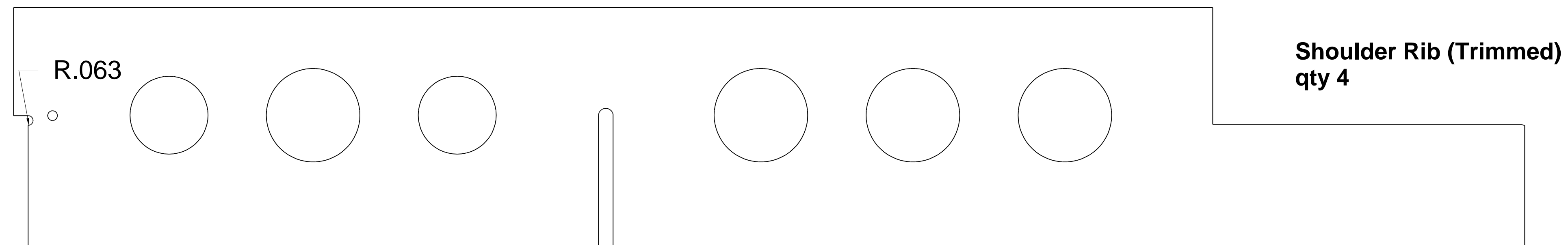
I used their 6mm hub to mount the Dome Motivator spur gear part #1083

www.pololu.com

Ring 4 & Core 4 - top

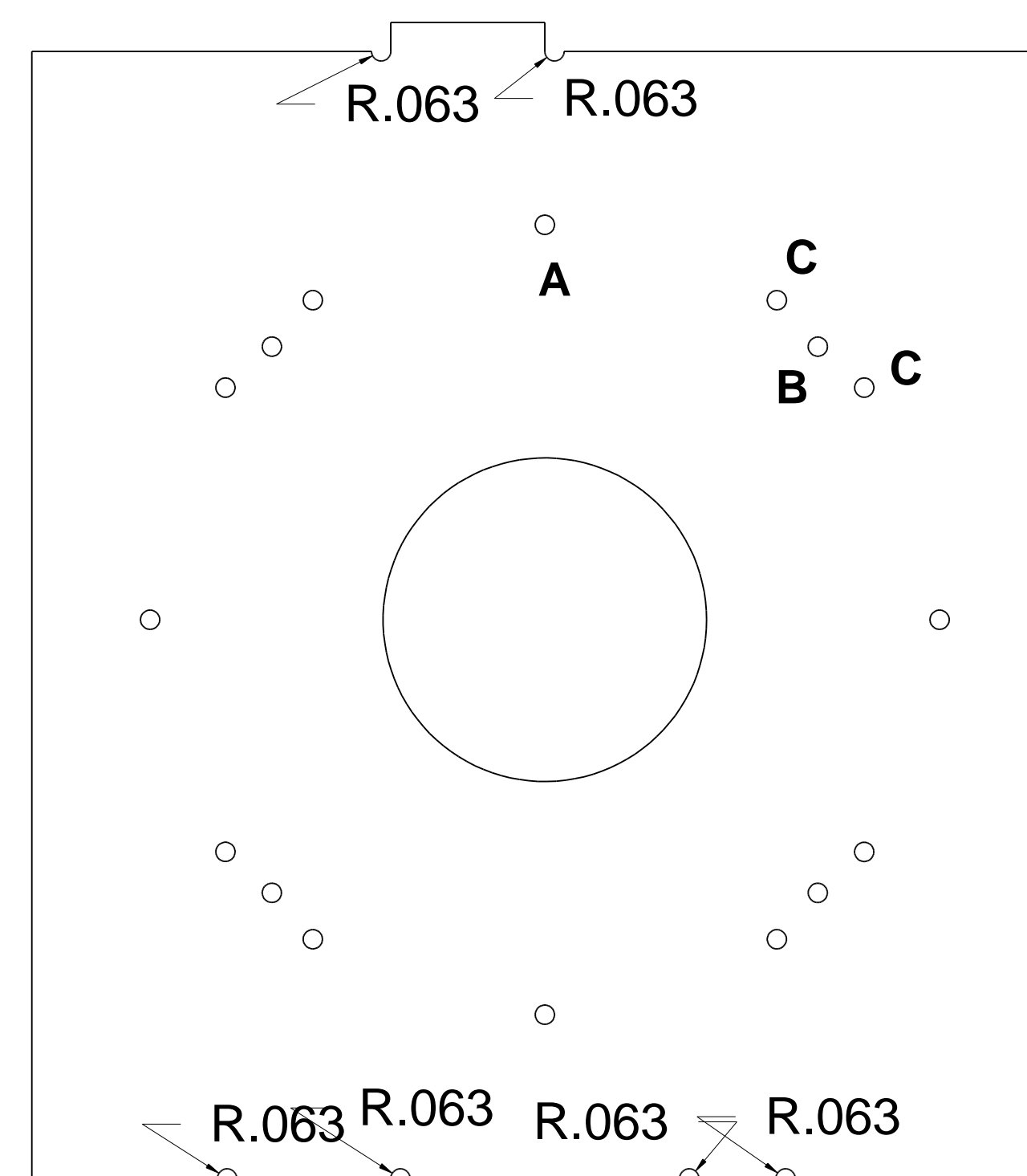
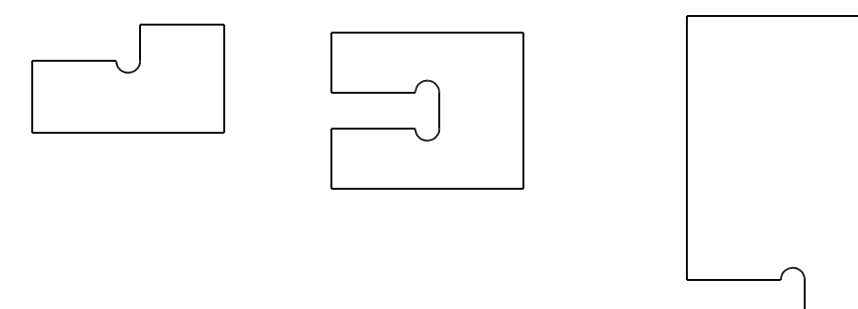
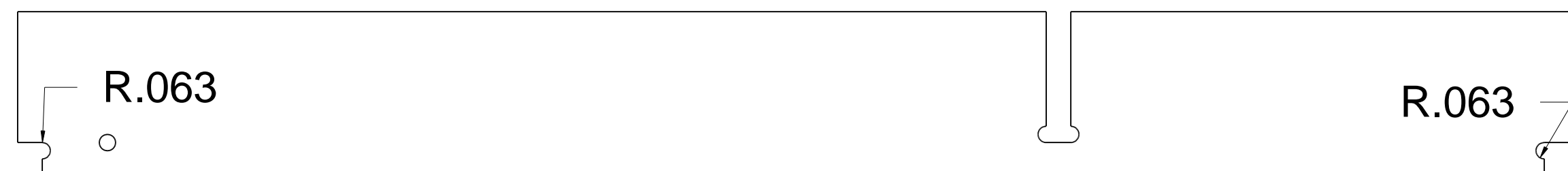
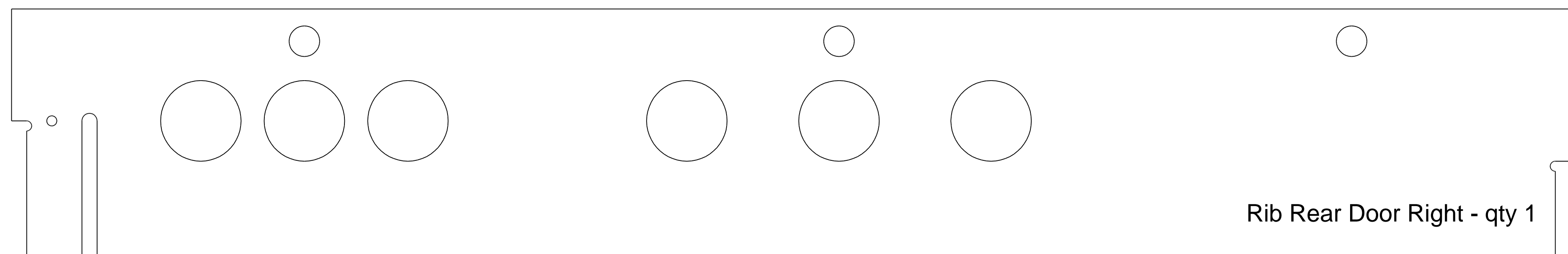
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DRAWN	DATE				
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QA					
MFG		SIZE C	FSCM NO.	DWG NO.	REV
APPROVED		SCALE		SHEET	

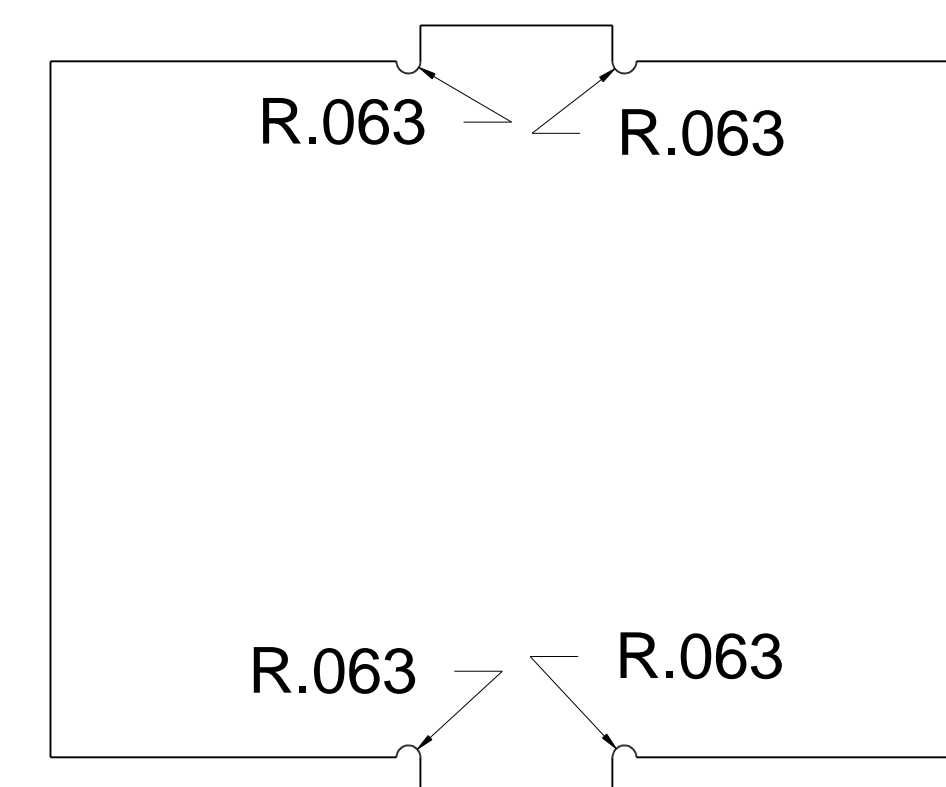


pockets on door ribs & frame door ribs
are intended for 3/8 dia, 1/8 thick magnets
for example K&J Magnetics D62-N52

Rear Door Rib Pockets - .125 deep - 6 places




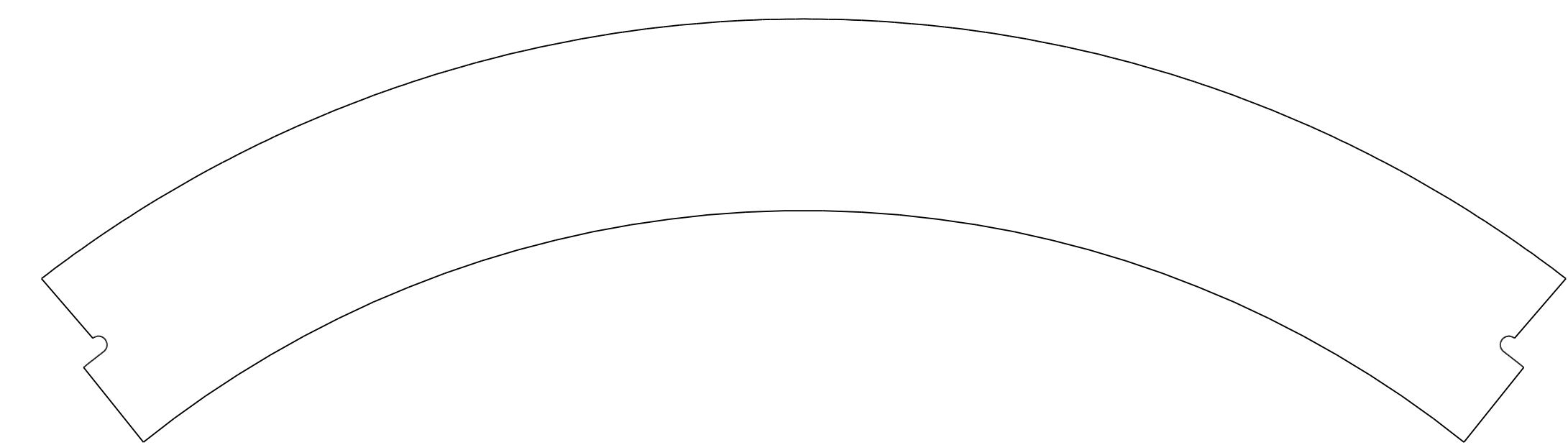
Shoulder Plate - qty 4
Mounting holes marked
A are for CSR legs in the 2-leg position
B are for MC Legacy 2 or 3 Leg Shoulder hubs
C are for CSR legs in the 3-leg position



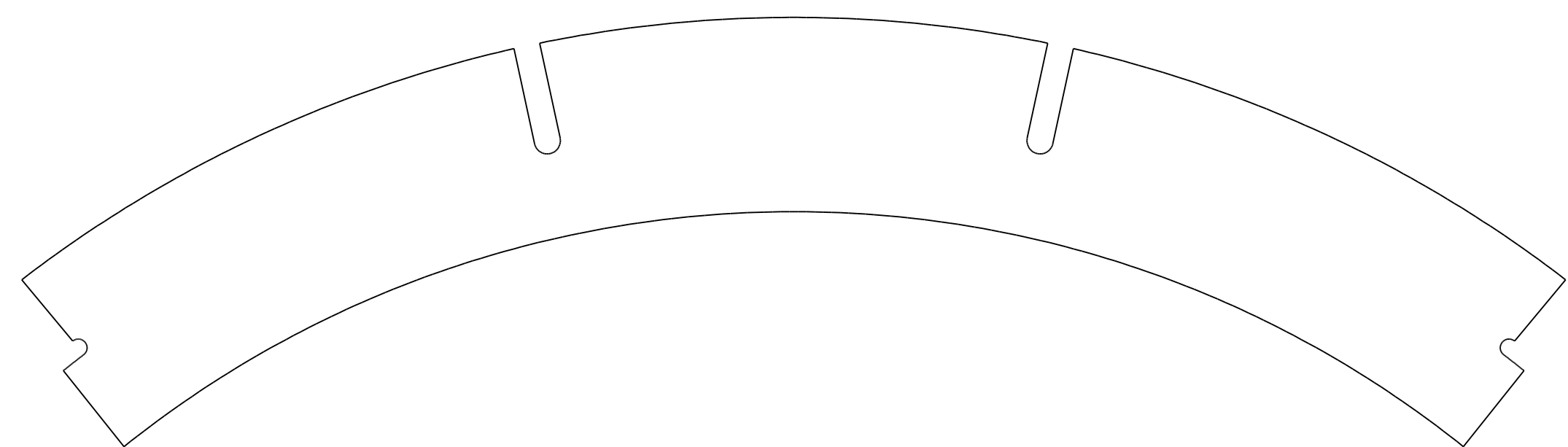
Ribs & Plates

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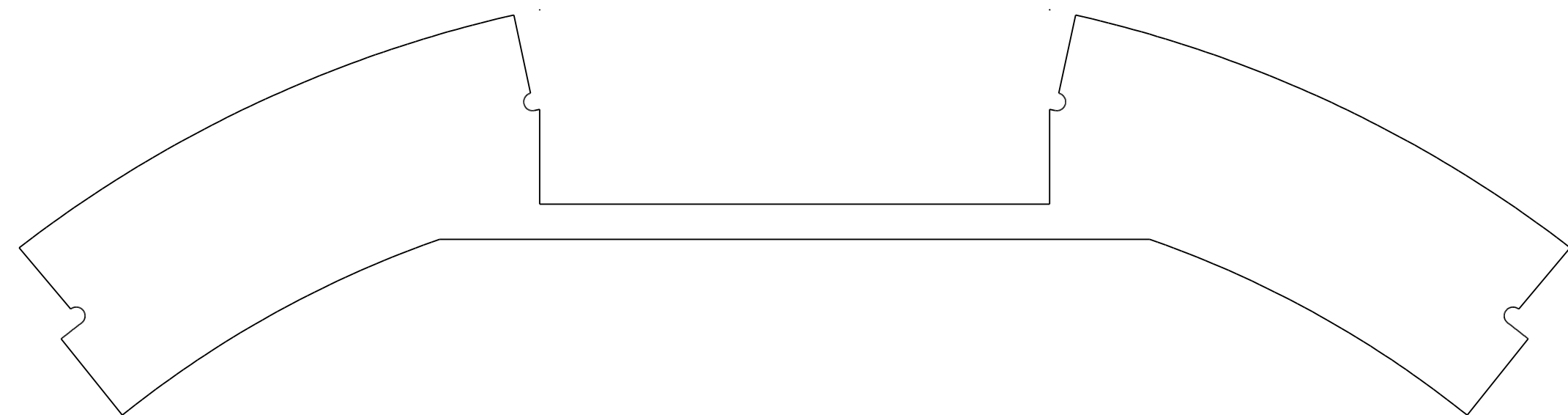
DRAWN	DATE					
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QA						
MFG						
APPROVED		SIZE C	FSCM NO.	DWG NO.		R
		SCALE			SHEET	



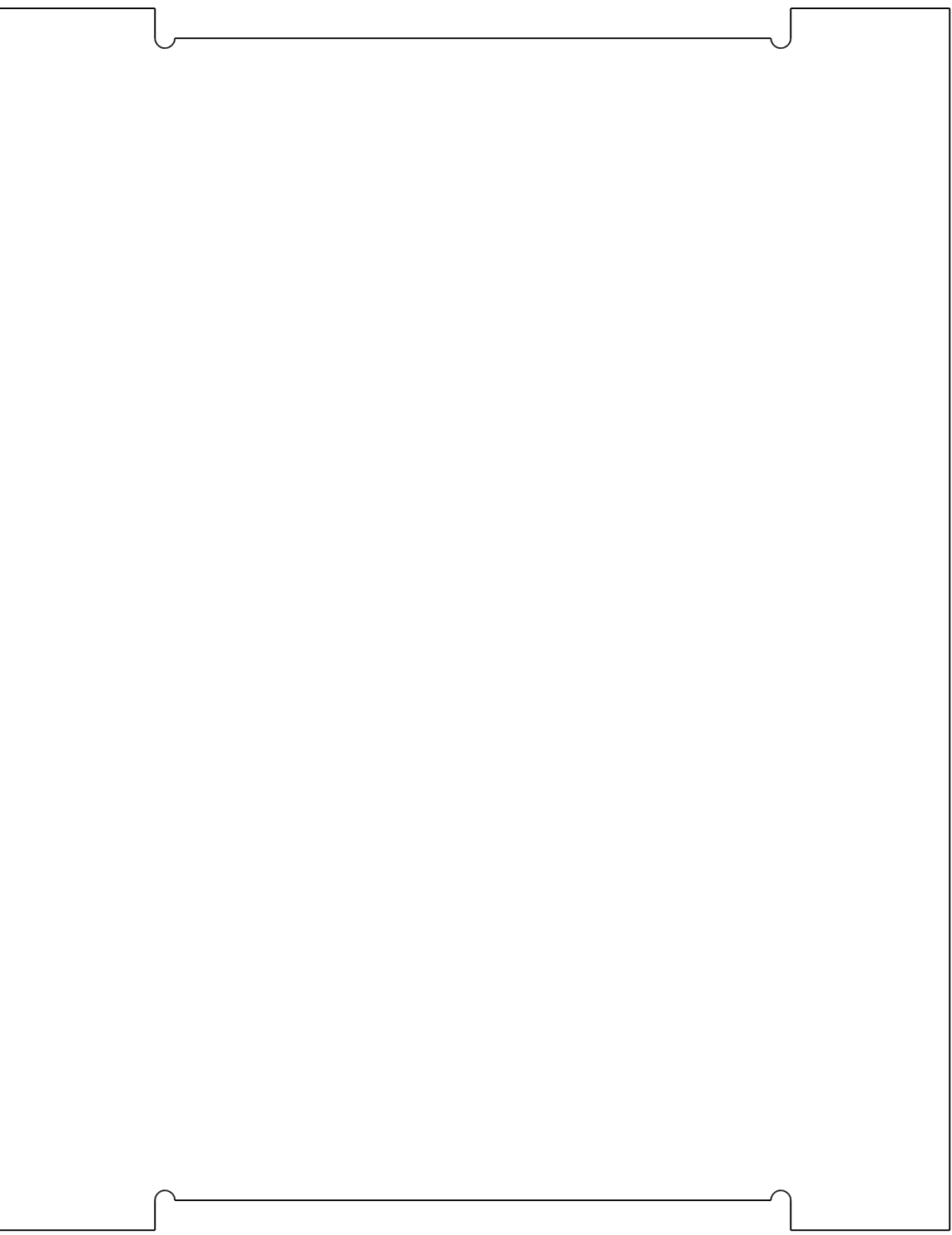
Door Top Ring



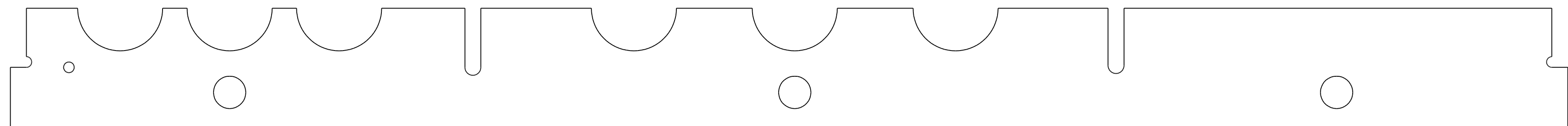
Door Middle Ring - qty 2



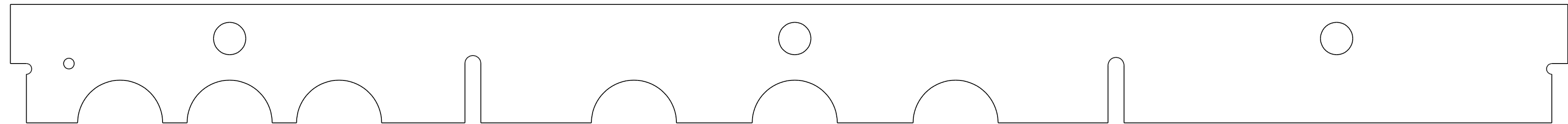
Door Bottom Ring



Core Mounting Panel
qty 2



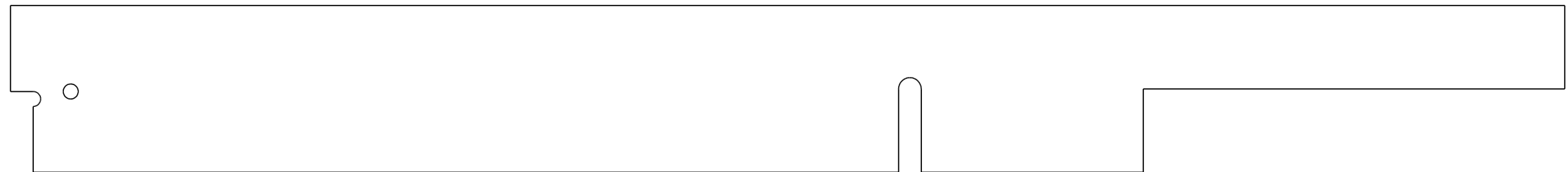
Door Outer Rib Right
Qty 1



Outer Door Rib Pockets - .125 deep - 6 places

Door Outer Rib Left
Qty 1

pockets on door ribs & frame door ribs
are intended for 3/8 dia, 1/8 thick magnets
for example K&J Magnetics D62-N52

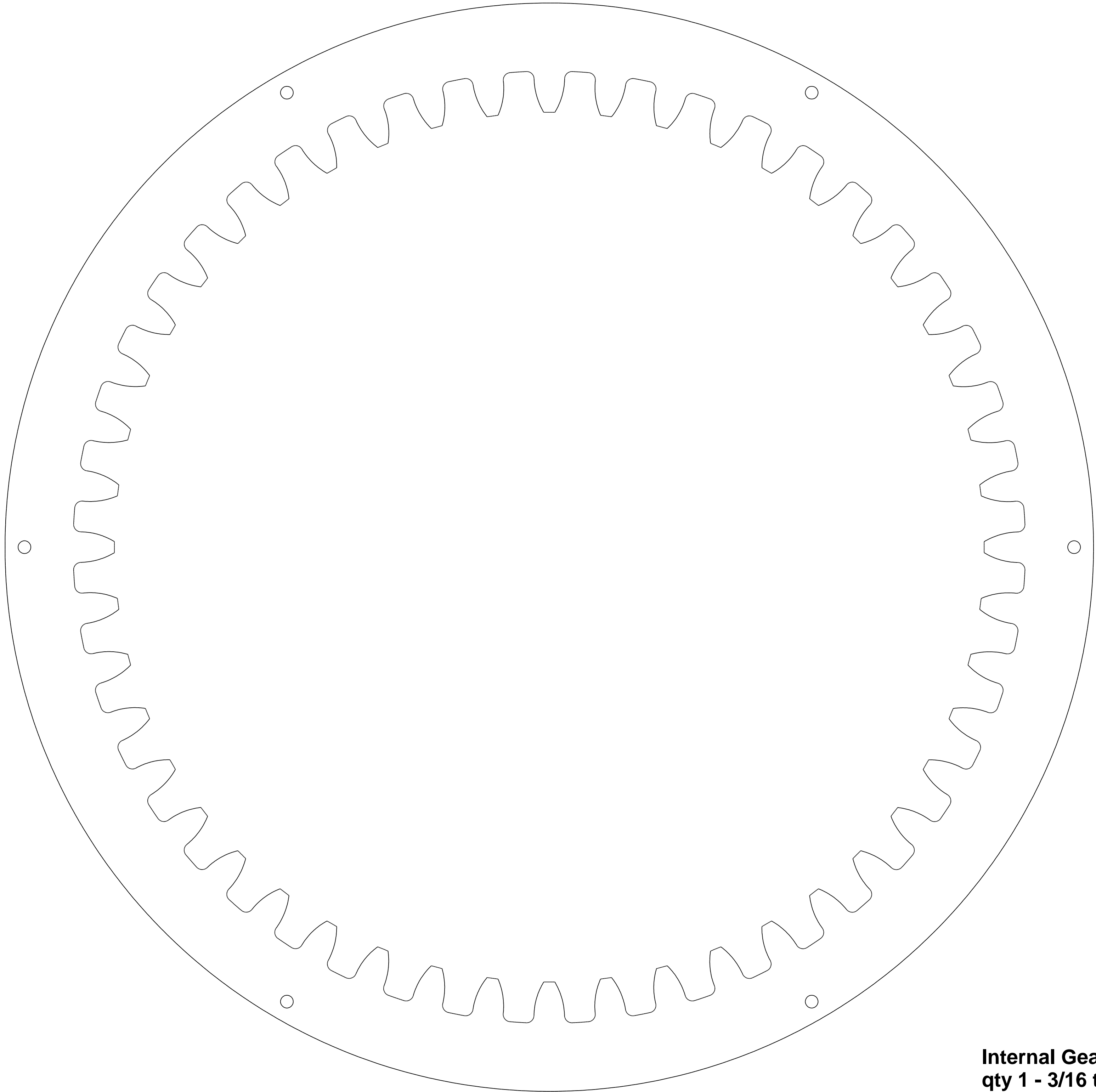


Door Inner Rib - qty 2

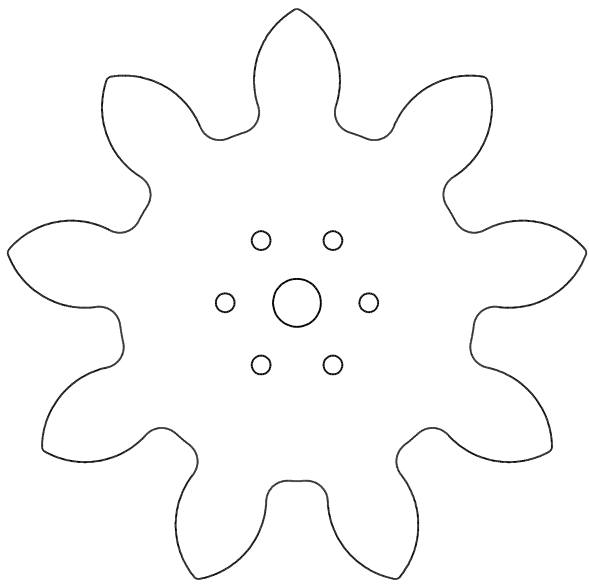
Rear Door Parts

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QA					
MFG					
APPROVED		SIZE C	FSCM NO.	DWG NO.	REV
SCALE		SHEET			



Internal Gear
qty 1 - 3/16 thick

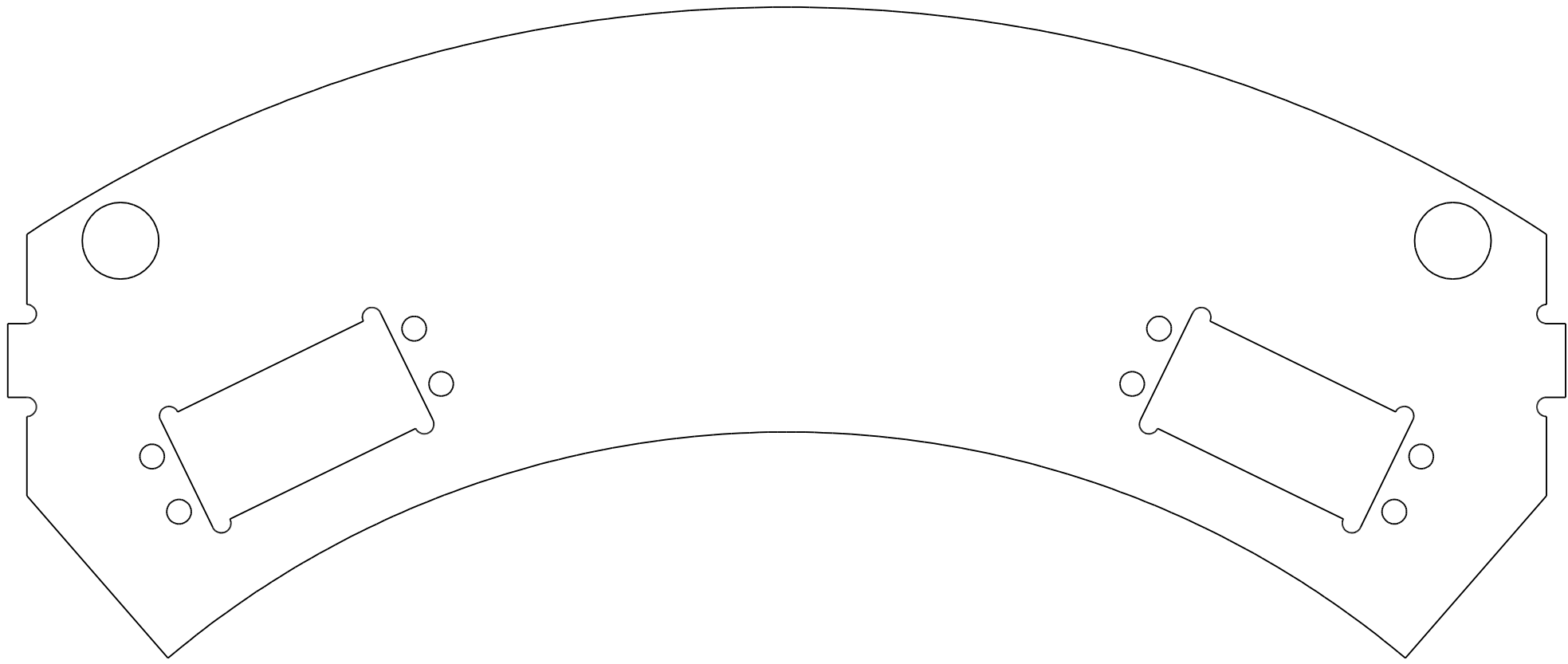


Spur Gear
qty 1 - 3/16 thick

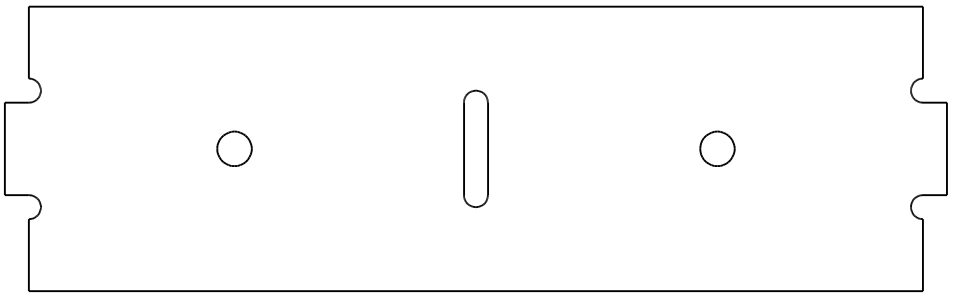
Dome Motivator

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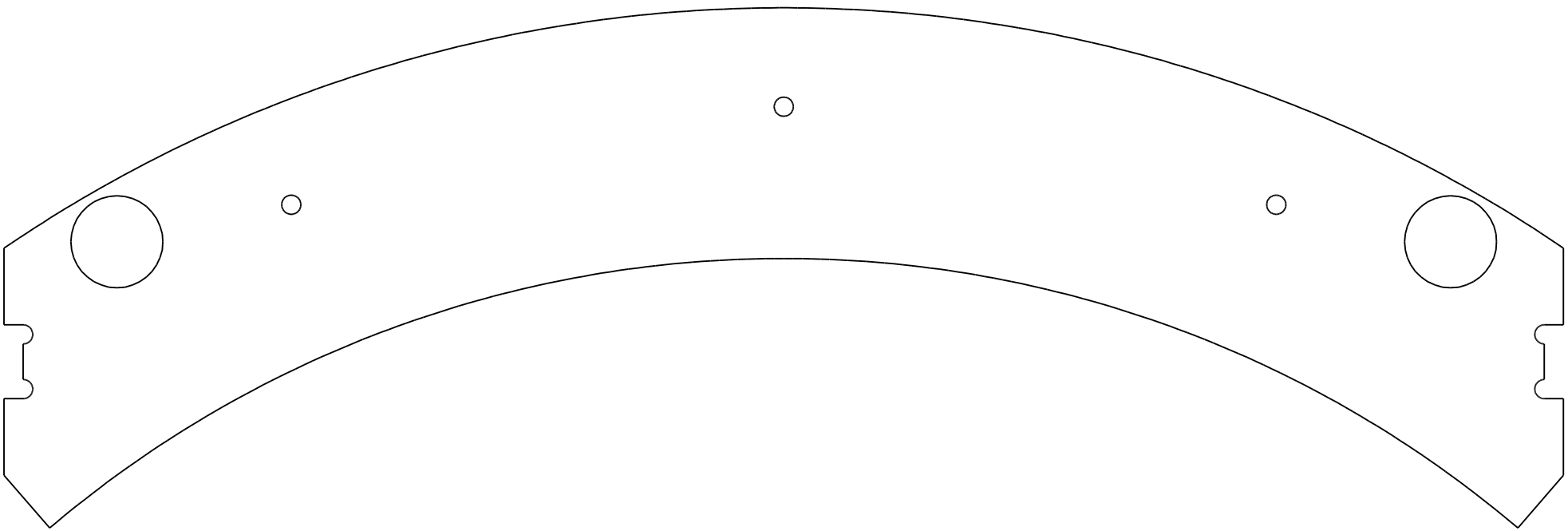
DRAWN	DATE	<div>MediaConversions</div>			
CHECKED					
QA					
MFG		SIZE C	FSCM NO.	DWG NO.	REV
APPROVED		SCALE		SHEET	



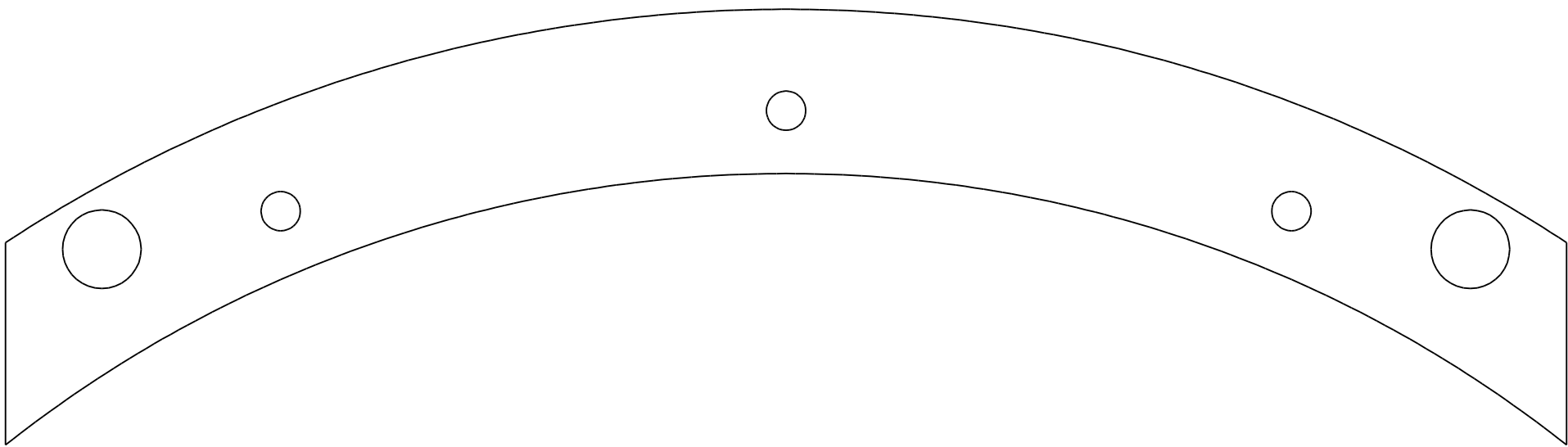
Arm Box Servo Mount
qty 1 - .125 thick



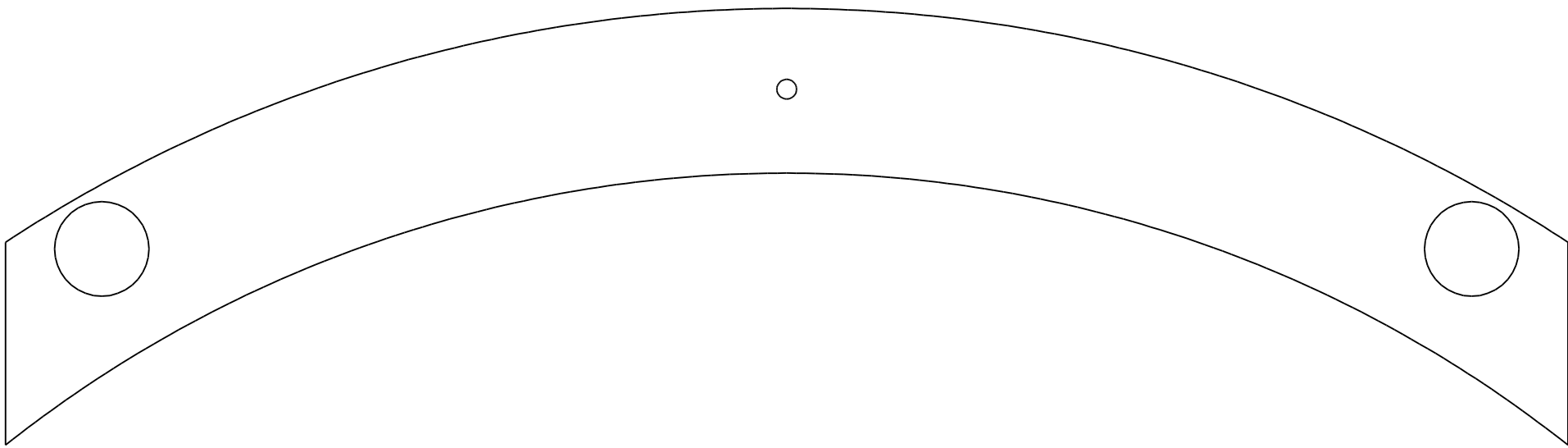
Arm Box Side
qty 2 - .125 thick



Arm Box Top/Bottom
qty 2 - .125 thick



Arm Box Inside - small hole
qty 2 - .125 thick



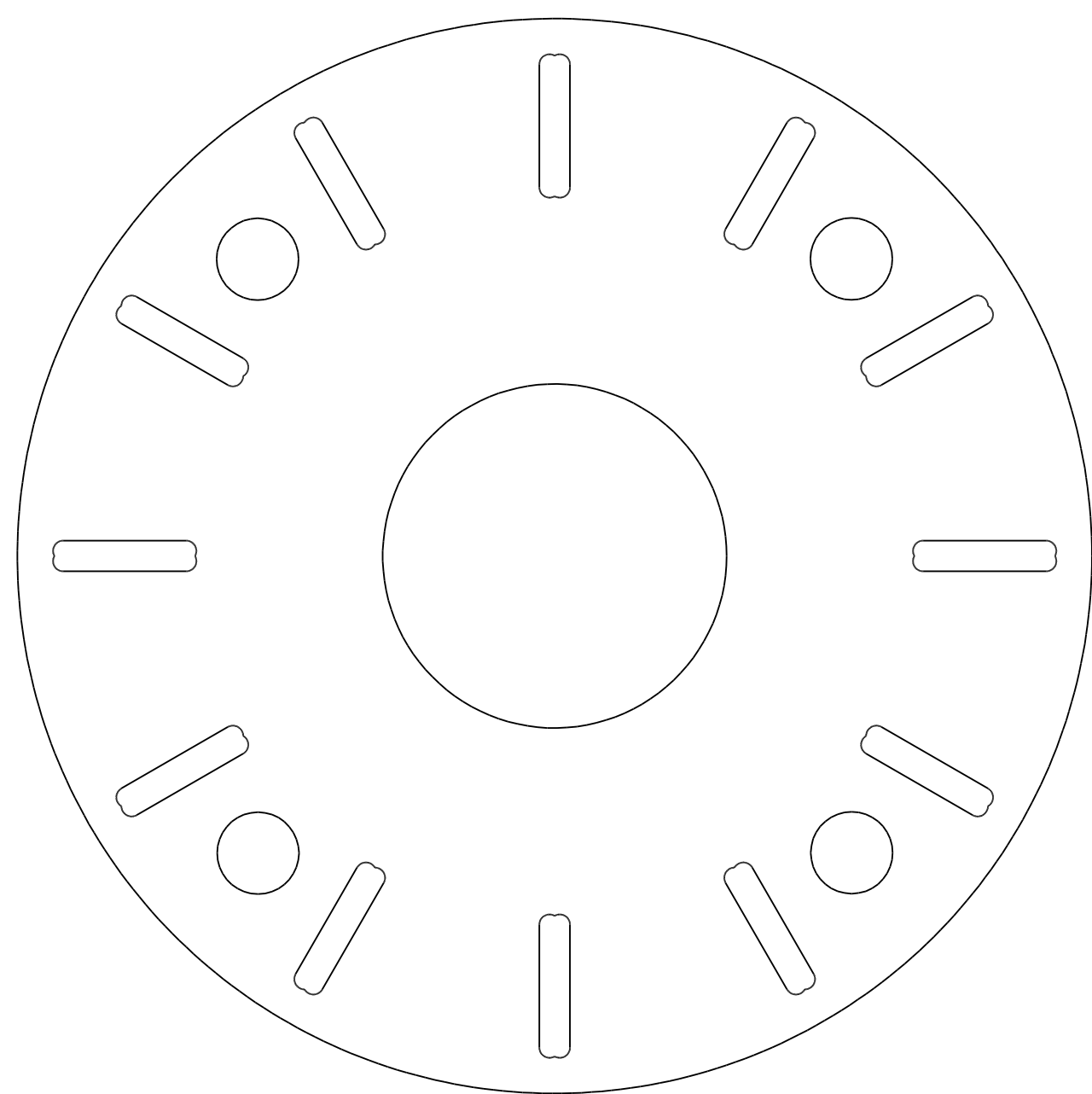
Arm Box Inside - large hole
qty 2 - .125 thick

Utility Arm Box with Servos

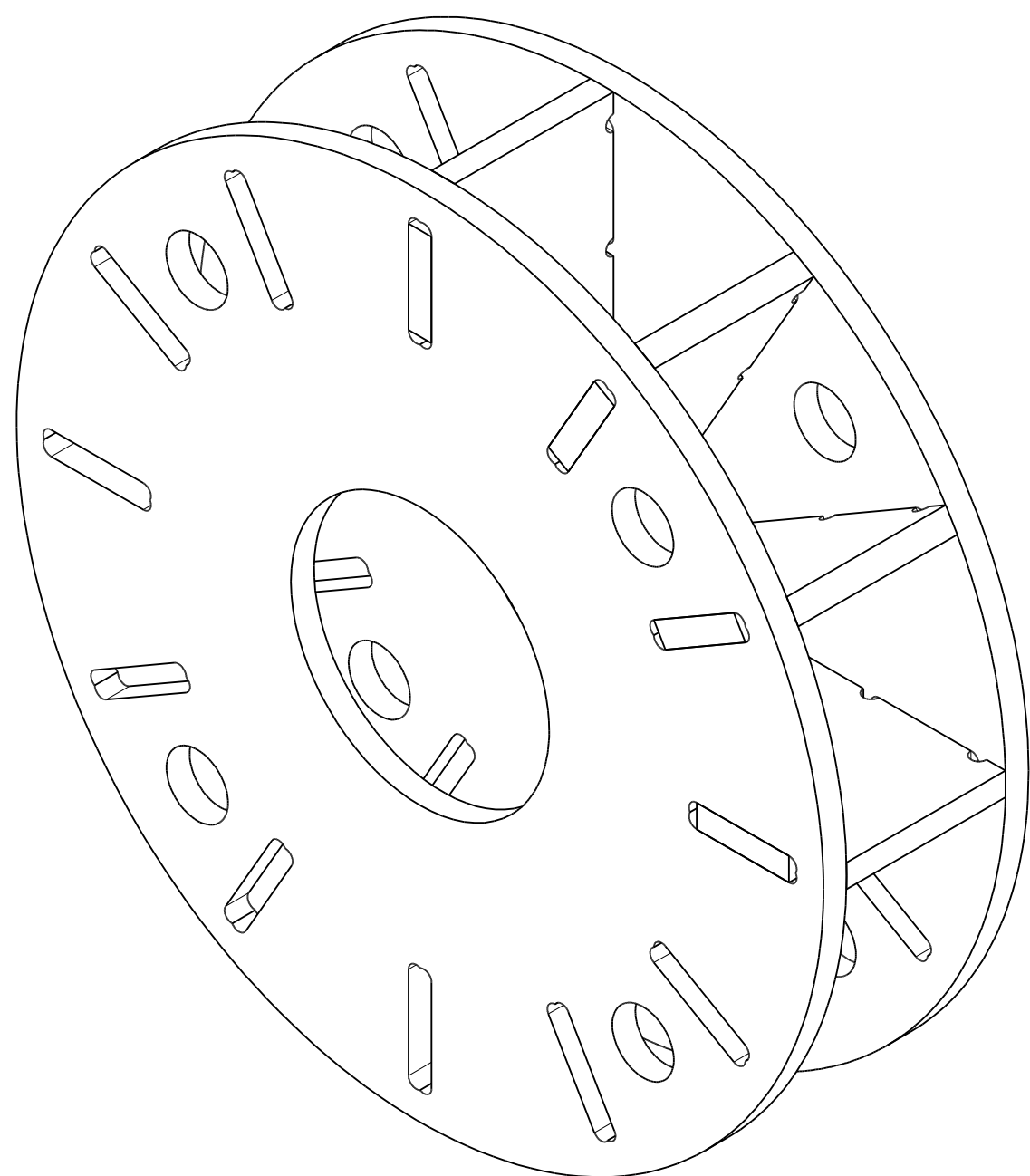
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CHECKED					
QA					
MFG		SIZE C	FSCM NO.	DWG NO.	REV
APPROVED		SCALE		SHEET	

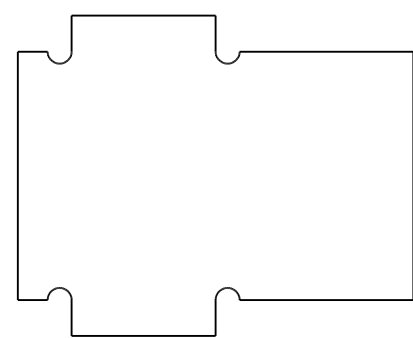
This shoulder hub is used only if you are mounting a CS:R leg (or one using a similar mounting method). If you are using a Media Conversions (Legacy) Leg you should use either the 2-leg or 3-leg fixed shoulder. See: <http://www.r2d2.media-conversions.net/R2.fixed.3leg.shoulder.html> or <http://www.r2d2.media-conversions.net/R2.fixed.2leg.shoulder.html>



CS:R Shoulder Hub
qty 4 - .1875 thick



CS:R Shoulder Hub
Assembly



CS:R Hub Risers
qty 24 - .1875 thick

CS:R Shoulder Hub

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QA				
MFG				
APPROVED		SIZE C	FSCM NO.	DWG NO.
		SCALE	SHEET	