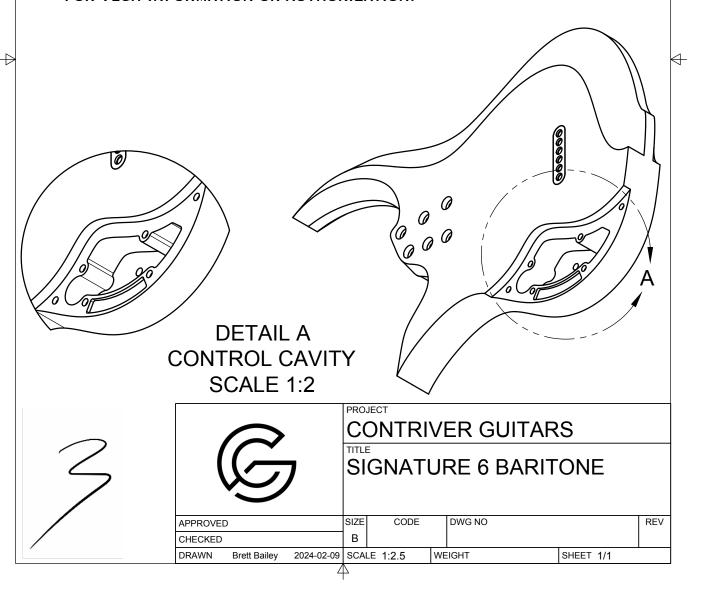
## **OPERATING AND STORAGE CONDITIONS**

- 1. When Transporting and/or storing your instrument, a hardshell case or at the very least a gig bag should be used in order to prevent damage caused by shock or temperature change.
- 2. PROTECT YOUR INSTRUMENT FROM HIGH AND LOW TEMPERATURE, AS WELL AS HUMIDITY. (66-77F/19-25C) (MINIMUM 38%, MAXIMUM 50%)
- 3. Do not expose your instrument to direct sunlight for long periods of time.
- 4. Do not leave your instrument close to heating devices, nor in a car, nor in a garage.
- 5. Avoid sudden changes in temperature or humidity.
- 6. ESTABLISH A REGULAR MAINTENANCE ROUTINE (SEE BLOG)
- 7. Bring your instrument to an Authorized Contriver Guitars
  Technician for a check up. Contact <u>Brett@ContriverGuitars.com</u>
  For Tech information or authorization.



## **SEASONAL ADJUSTMENTS**

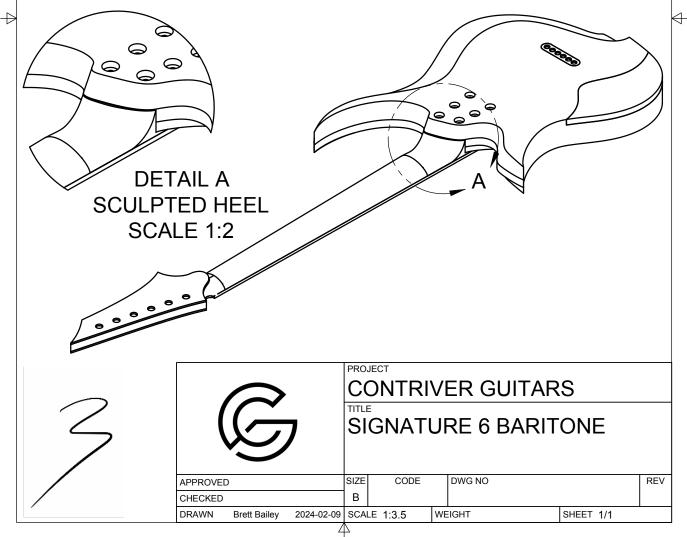
DUE TO SEASONAL CHANGES THE INSTRUMENT MAY NEED ADJUSTMENTS FROM TIME TO TIME. EVERY GUITAR IN MY SHOP IS SETUP USING PRECISION DIGITAL DIAL INDICATORS, IN THE DECIMAL INCH. THIS IS NOT NECESSARY BUT LIKE A LOT OF THINGS, ITS ONLY OVER-KILL IF YOUR STANDARDS ARE LOW ENOUGH.

BELOW IS A QUICK METHOD FOR MAKING ADJUSTMENTS TO YOUR GUITAR, USING A SIMPLE RULER AND FEEL.

BEFORE WE START, YOU WANT TO ENSURE ALL SCREWS, BOLTS, NUTS, AND BUSHINGS, ARE ALL TIGHTEN UP SNUG. THIS IS ESPECIALLY IMPORTANT FOR THE NECK SCREWS.

TO CHECK NECK RELIEF, USE YOUR LOWEST STRING AS A STRAIGHT EDGE. HOLD THE FIRST FRET WITH YOUR INDEX FINGER ON YOUR FRETTING HAND, AND YOUR "25TH" FRET WITH YOUR PICKING, YOU SHOULD HAVE A SLIGHT GAP BETWEEN THE TOP OF YOUR 7TH FRET, AND THE BOTTOM OF THE STRING. TO ADJUST THIS GAP, TURN THE TRUSS ROD IN THE CORRESPONDING DIRECTION, 1/8TH OF A TURN AT A TIME, AND ALLOW TO REST. WITHOUT HOLDING THE STRING DOWN, THE FACTORY MEASUREMENT IS .030" OR 1/32ND AT THE 7TH. THIS IS VERY LOW AND YOU MAY WANT IT HIGHER, ADJUST BY THE 64TH / 0.015" UNTIL COMFORTABLE.

When adjusting the action at the 24th fret, the factory set up is 0.040" or around 3/64ths. Again, this is very low, and you may want it higher, Adjust by the 64th / 0.015". When doing so, sight down the body so your view is parallel with the bridge plate, it is important that all saddles remain parallel with the bridge plate to properly exert pressure and vibration down and outward into the top of the guitar.



## **SEASONAL ADJUSTMENTS**

THE NUT RELIEF HAS BE CAREFULLY DIALLED IN BY THE 0.0005" AT A TIME, TO THE LOWEST IT CAN BE WITHOUT BUZZING, USING PROPERLY GAUGED FILES THAT MATCH THOSE OF THE STRINGS. SHOULD YOU MOVE TO A LIGHTER STRING GAUGE, A NEW NUT MAY BE IN ORDER, THIS SHOULD BE DONE BY AN AUTHORIZED CONTRIVER GUITARS TECHNICIAN, PLEASE REACH OUT FOR SUGGESTED TECHS, OR HAVE YOURS CONTACT ME TO BECOME AUTHORIZED. FURTHER, SHOULD YOU LOWER OR RAISE THE TUNING WITH THE EXISTING GAUGES, A FULL ADJUSTMENT WILL MOST PROBABLY BE NEEDED TO ACHIEVE THE SAME LEVEL OF PLAYABILITY THAT YOU HAD PRIOR TO UP/DOWN TUNING.

THE PICKUP HEIGHTS ARE SET TO 1/16TH FROM THE TOP OF THE PICKUP TO THE BOTTOM OF THE STRING, WHILE PRESSING THE 24TH FRET, FOR BOTH THE BASS AND TREBLE SIDE. WHILE THIS IS PLENTY CLOSE, YOU MAY PLAY AROUND WITH THIS TO FIND YOUR SPECIFIC PREFERENCE, JUST KEEP IN MIND THAT TOO CLOSE AND THE MAGNETIC PULL ON THE STRINGS MAY CAUSE SLIGHT UNWANTED BUZZING.

INTONATION IS THE LAST THING YOU WANT TO ADJUST, ALL STEPS LEADING TO THIS CAN EFFECT THE RESULTS. THIS IS TO SET EACH INDIVIDUAL STRING, IN TUNE WITH ITSELF. TUNE YOUR OPEN NOTE, FRET THE OCTAVE(12TH) IF THE NOTE IS SHARP, LENGTHEN THE STRING BY MOVING THE SADDLE BACKWARDS(AWAY FORM THE NECK); IF THE NOTE IS FLAT, MOVE THE SADDLE FORWARD (TOWARDS THE NECK).

