

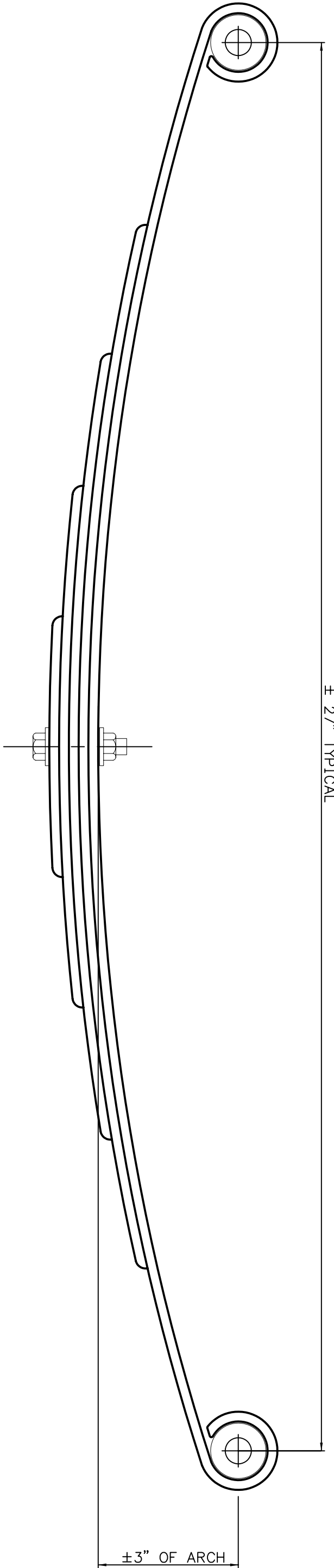
GARY W. WEISHAUPT

PERFORMANCE ENGINEERING
CHASSIS FABRICATION
FLOWBENCH TESTING
MACHINE WORK
RESTORATIONS

1480 RIVER PARK BLVD
NAPA, CALIFORNIA 94559
Fax 707-252-3427
email: gw@250wscibel.net

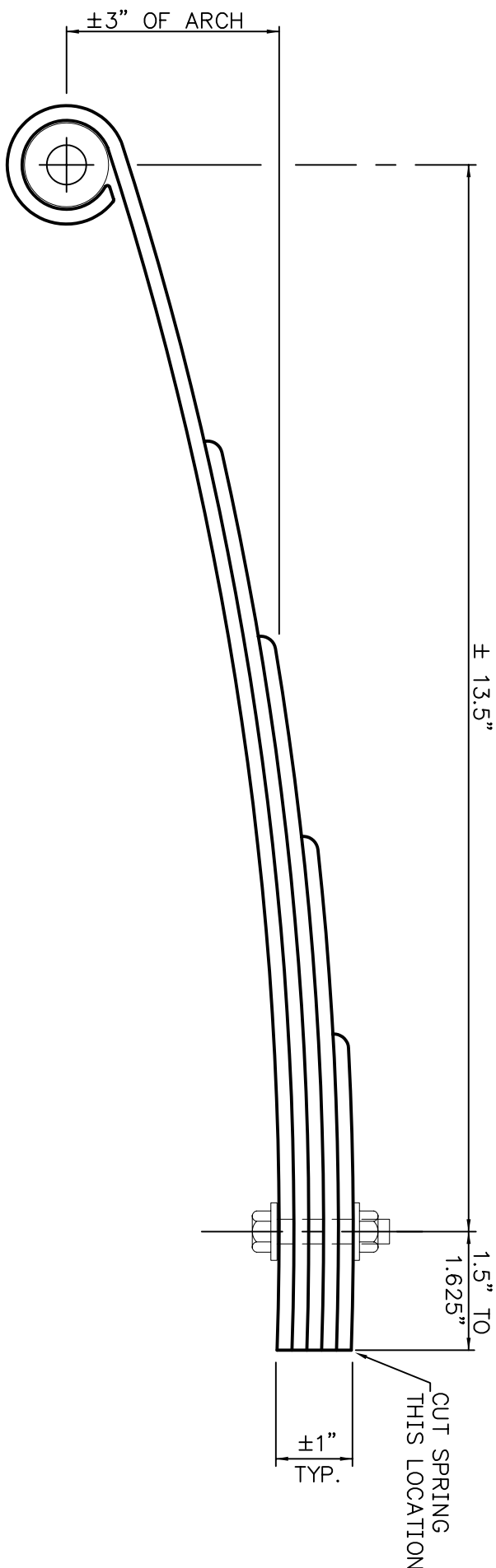
GENERAL NOTES

1. THE CHEAPEST WAY TO GET A SPRING FOR YOUR LEAFER IS MADE FOR SMALL TRAILERS. THESE UNITS COME IN A WIDE VARIETY OF LENGTHS, ARCHES AND RATES. BUY TWO UNITS, ONE FOR EACH SIDE OF YOUR LEAFER. THE WEIGHT OF YOUR SPRING PACK DEPENDS UPON THE WEIGHT OF YOUR BIKE.
2. ALTERNATIVELY YOU CAN HAVE A SPRING SHOP MAKE YOU A QUARTER ELLIPTICAL OR ADAPT ONE OF THE UNITS SOLD FOR JEEP SUSPENSION CONVERSIONS SUCH AS THE UNITS AVAILABLE FROM FOSTE'S. FOR THE PURPOSES OF THESE DRAWINGS WE ASSUME YOU WILL USE TRAILER SPRINGS.
3. IN THIS PARTICULAR DESIGN WE USED A 19A, WIDE BY 27" LONG 5-LEAF SPRING HAVING A RATE OF 72#/IN.
4. UNBOLT THE SPRING YOKES AND CUT OFF BOTH SPRINGS TO GET ENOUGH HALF-LEAVES FOR THE FINAL SPRING-PACK CONFIGURATION FOR YOUR PARTICULAR BIKE.
5. ASSEMBLE THE NEW SPRING PACK AS SHOWN ON THE DRAWINGS. NOTE THE NEW ARRANGEMENT OF THE LEAVES.
6. IN SOME CASES YOU MAY HAVE TO CUT THE EYE OFF OF A MAIN-LEAF IN ORDER TO GET A SECONDARY LEAF FOR THE MAIN-LEAF. IT MAY BE POSSIBLE TO RE-USE THE ORIGINAL SPRING CLAMPS OR BANDS MADE AT A SPRING SHOP OR TRY TO MAKE THEM YOURSELF. IT IS CRITICALLY IMPORTANT THAT THE LEAVES BE FIELD IN ALIGNMENT. ONE ATOP THE OTHER.
7. THE BEST WAY OF CUTTING THE SPRING LEAVES IS WITH AN ABRASIVE CHOP SAW BUT USE, AS MUCH WATER AS NEEDED TO KEEP FROM OVERHEATING THE SPRING.
8. IT MAY NOT BE POSSIBLE TO RE-USE THE ORIGINAL SPRING CLAMPS OR BANDS. IF THIS PROVES TO BE THE CASE YOU MAY WANT TO MAKE THEM YOURSELF. IT IS CRITICALLY IMPORTANT THAT THE LEAVES BE FIELD IN ALIGNMENT. ONE ATOP THE OTHER.



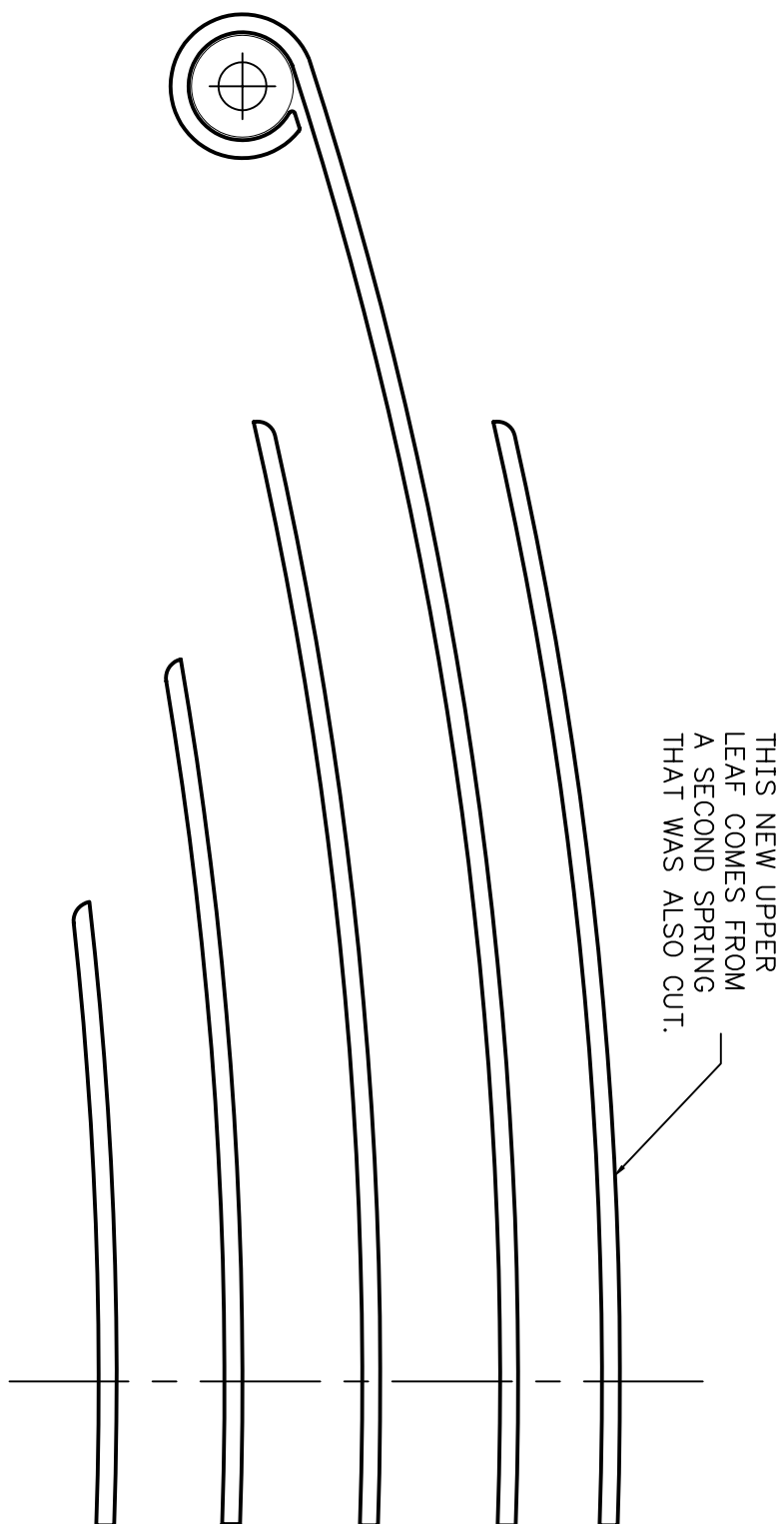
STEP -1 27" TRAILER SPRING

SCALE 1/2" = 1"



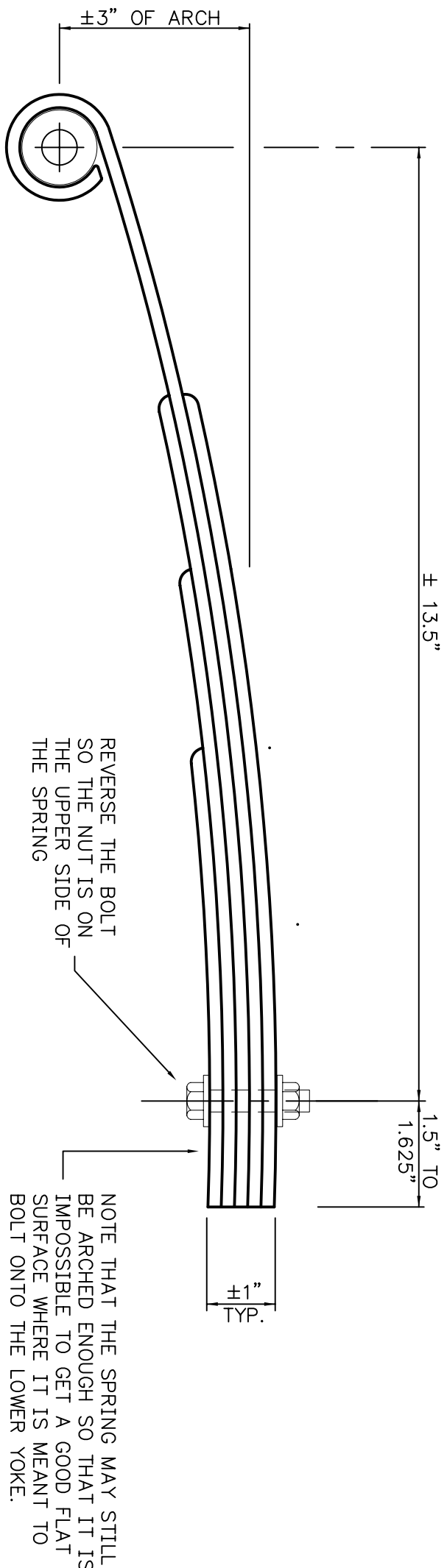
STEP 2 SPRING CUT TO LENGTH

SCALE 1/2" = 1"



STEP 3 REARRANGE THE LEAVES

SCALE 1/2" = 1"



STEP 4 FINISHED SPRING PACK

SCALE 1/2" = 1"

CHOPPER
BUILDERS
HANDBOOK

BASIC LEAFER
FORKS

DESIGN LF19-1

| | |
|-------------|---------|
| Drawn By | GW |
| Date | 3-23-03 |
| Checked By | HC |
| Date | 3-23-03 |
| Scale | 1/2"=1" |
| Proj. AC | 1/2"=1" |
| Project No. | - |

SPRING
ASSEMBLY

LF1.4