Markwood Heavenly Strings & Cases

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Instructions for Computerized Stringing Design Form

Don't worry. We have been doing this since 1992 and will walk you through it. Because all folk/Celtic/lever harps have different harmonic curves and note ranges the strings need to be designed specifically for each harp, unless it is a known builder and model.

Please include \$20 payment with this form. Gut string designs, pedal harp, and other instrument string designs are \$25.

String #1 is the shortest string.

Measure the string lengths in inches to the nearest 1/4", in the smallest denominator. The string design program works only with inches.

Measure only the speaking or vibrating length of the string. Measure from the soundboard string hole to the bridge pin, **not the tuning peg.** (See attached)

Please be sure to tell me if your harp does not have bridge pins. (See attached)

Beginning in the left column, you will see "#" "length". Mark the vibrating length of each string in the "Length" column, by their appropriate number.

Measure the size of the **inside** of the eyelet or string hole. **This is so the string will go through the string hole.** This is especially important for wound nylon strings. (See attached)

Please mark where the wound strings start, if any, and where the metal strings start, if any.

Tell us the string number of Middle C so we can tell the note range of the harp. Or count down to any red string and tell us the string #.

Tell us if your harp is metal, nylon, or gut strung. We can design for gut and then you can order them by string gauge from Lyon & Healy West.

Tell us anything else that may be good to know about your harp, such as, if there are structural problems, cracks, bowing soundboard, bent neck.

When harp strings are designed the strength of the harp is taken into consideration, as well as what the harpist desires as far as sound and tension. A 36 string harp can have over 1200 lbs of pressure from the strings.

String design is based on the information you give us. Strings are custom made and not returnable which is why we require accurate information. In the case of human error we will work through it.

Markwood Heavenly Strings & Cases Date _____ 809 First St Phoenix, OR 97535 mwstrings@markwoodstrings.com Name Address _____ Read the instructions first. Please include \$20 payment. Phone # ~~ Please count the shortest string as #1 ~~ Please mark where the wound strings start. Email address ~~ Please mark where the metal strings start. Name of Harp Maker _____ Vibrating Length Vibrating Length Model Name 21 Count the shortest string as #1 22 23 _____ Middle C is # 24 _____ 25 nylon strung _____ Harp is: 26 _____ metal strung 27 gut strung 28 29 This information is helpful for us to design a 10 _____ tension that is appropriate for the strength of your harp. Harp is to be: lightly strung 12 _____ 32 _____ 13 _____ 33 _____ medium strung 14 34 _____ Heavy strung, like a pedal harp 35 _____ 15 36 16 The size of the string holes in the soundboard are necessary so the strings will fit through them. 17 _____ 37 _____ 18 _____ See attached "How to Measure String Holes" 19 _____ 39 _____

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Interior diameter of string holes is as follows:

Interior diameter is _____ from string # _____

and _____ from # _____to # _____

Count the shortest string as #1

to string # _____