February 19, 1974
February 21, 1974
February 26, 1974
March 5, 1974

TO: Mr. C. H. Kaman

FROM: Materials & Process Engineering - A. L. Belbruno

SUBJECT: Top Deflection History - Guitar #46

Top # I 18, k = .84

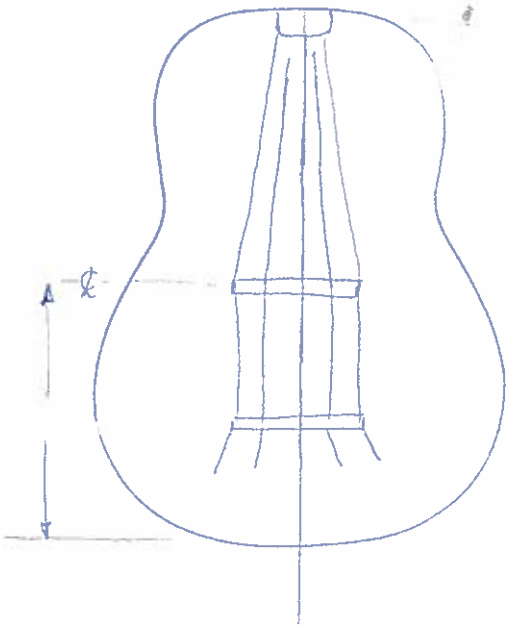
		Deflection (inches/20 lbs)		
	Date	Strings Loose	Strings Tight	
#46-0	2-15-74	.220		Top Bonded to Bowl
#46-0	2-18-74	.158		Bridge Bonded to top. No bracing.
#46-1	2-20-74	.100	.100	
#46-2	2-25-74	.070	.064	
#46-2	3-05-74	.074	.075	

A. L. Belbruno

ALB/tm

cc: L. Pickett

46-1



5 FANS ON TOP 1/8 X 1/4 - 3 GO TO BLOCK

BEAM 7/16" WIDE x 1/8" x 6"
℄ @ 10 1/2" FROM WALL

CENTER FANS 1/8 x 1/8

BEAM 1/4 WIDE x 1/8 THICK x 6" LONG
℄ @ 5 3/4 FROM WALL

BOTTOM FANS 1/8 x 1/8 x 3" LONG

LOOSE
K = .100

46-2

CENTER FANS 1/8" x 1/4" BY ADDING 1/8"

	LOOSE	TITE
K	070	064
K	075	074

REDO

UNIT NAME 46-2

TEST RECORD № ~~39~~ 46-2

db

+20 +15 +10 + 5 0 - 5 -10 -15 -20 -25 -30 -35 -40

E G A C D E G A C D E G A C D E G A C D E G A C D E G A C D E G A C D E G A C D

Hz 41.2 49.0 55.0 65.4 73.4 82.4 98.0 110.0 130.8 146.8 164.8 196.0 220.0 261.6 293.7 329.6 392.0 440.0 523.3 587.3 659.3 784.0 880.0 1046.5 1174.7 1318.5 1568.0 1760.0 2093.0 2349.3 2637.0 3136.0 3520.0 4186.0 4698.6 5274.0 6271.8 7040.0 8372.0 9397.2

OPERATING TECHNICAN

DATE 3-7-74

OVATION INSTRUMENTS