relative stiffness line																
1	10' 60															
2	10' 65															
3	10' 70	10'6 60														
4	10' 75	10'6 65														
5	10' 80	10'6 70														
6	10' 85	10'6 75														
7	10' 90	10'6 80	11' 70													
8	10' 95	10'6 85	11' 75													
9	10' 100	10'6 90	11' 80													
10	10' 105	10'6 95	11' 85													
11	10' 110	10'6 100	11' 90	11'6 80												
12	10' 115	10'6 105	11' 95	11'6 85												
13	10' 120	10'6 110	**11' 100**	11'6 90	12' 80											
14	10' 125	10'6 115	11' 105	11'6 95	12' 85											
15	10' 130	10'6 120	**11' 110**	11'6 100	12' 90											
16	10' 135	10'6 125	11' 115	11'6 105	12' 95											
17	10' 140	10'6 130	11' 120	**11'6 110**	12' 100	12'6 90										
18	10' 145	10'6 135	11' 125	11'6 115	12' 105	12'6 95										
19	10' 150	10'6 140	11' 130	**11'6 120**	12' 110	12'6 100										
20		10'6 145	11' 135	11'6 125	12' 115	12' 6 105										
21		10'6 150	11' 140	11'6 130	**12' 120**	12'6 110	13' 100									
22			11' 145	11'6 135	12' 125	12'6 115	13' 105									
23			11' 150	11'6 140	**12' 130**	12'6 120	13' 110	13'6 100								
24			11' 155	11'6 145	12' 135	12'6 125	13' 115	13'6 105								
25			11' 160	11'6 150	12' 140	**12'6 130**	13' 120	13'6 110								
26				11'6 155	12' 145	12'6 135	13' 125	13'6 115								
27				11'6 160	12' 150	**12'6 140**	13' 130	13'6 120	14' 110							
28				11'6 165	12' 155	12'6 145	13' 135	13'6 125	14' 115							
29				11'6 170	12' 160	12'6 150	**13' 140**	13'6 130	14' 120							
30	**The highlighted poles on**				12' 165	12'6 155	13' 145	13'6 135	14' 125	14'6 115						
31	**this chart are what I call the**				12' 170	12'6 160	**13' 150**	13'6 140	14' 130	14'6 120						
32	**"key poles"**				12' 175	12'6 165	13' 155	13'6 145	14' 135	14'6 125						
33	**I have arranged them in 10 lb**				12' 180	12'6 170	13' 160	**13'6 150**	14' 140	14'6 130	15' 120					
34	**increments**					12'6 175	13' 165	13'6 155	14' 145	14'6 135	15' 125					
35	**These "key poles will accomidate**					12'6 180	13' 170	**13'6 160**	14' 150	14'6 140	15' 130					
36	**approximately 90% of HS vaulters**						13' 175	13'6 165	14' 155	14'6 145	15' 135					
37							13' 180	13'6 170	**14' 160**	14'6 150	15' 140	15'6 130				
38							13' 185	13'6 175	14' 165	14'6 155	15' 145	15'6 135				
39							13' 190	13'6 180	**14' 170**	14'6 160	15' 150	15'6 140				
40								13'6 185	14' 175	14'6 165	15' 155	15'6 145				
41	**Each line on this chart represents a set of poles**							13'6 190	14' 180	**14'6 170**	15' 160	15'6 150	16' 140			
42	**5 pounds stiffer than the line which preceeds it.**							13'6 195	14' 185	14'6 175	15' 165	15'6 155	16' 145			
43	**All poles on an individual line offer approximatly**							13'6 200	14' 190	14'6 180	15' 170	15'6 160	16' 150			
44	**the same resistance to penetration.**								14' 195	14'6 185	15' 175	15'6 165	16' 155			
45									14' 200	14'6 190	15' 180	15'6 170	16' 160	16'6 150		
46										14'6 195	15' 185	15'6 175	16' 165	16'6 155		
47										14'6 200	15' 190	15'6 180	16' 170	16'6 160		
48										14'6 205	15' 195	15'6 185	16' 175	16'6 165		
49											15' 200	15'6 190	16' 180	16'6 170	17' 160	
50											15' 205	15'6 195	16' 185	16'6 175	17' 165	
51											15' 210	15'6 200	16' 190	16'6 180	17' 170	
52												15'6 205	16' 195	16'6 185	17' 175	
53												15'6 210	16' 200	16'6 190	17' 180	17'6 170
54												15'6 215	16' 205	16'6 195	17' 185	17'6 175
55	**To build a better progression of poles in your program. First circle all the**												16' 210	16'6 200	17' 190	17'6 180
56	**sizes you currently have at your disposal. Then fill in the key pole sizes.**												16' 215	16'6 205	17' 195	17'6 185
57													16' 220	16'6 210	17' 200	17'6 190
58														16'6 215	17' 205	17'6 195
59														16'6 220	17' 210	17'6 200
60														16'6 225	17' 215	17'6 205
61															17' 220	17'6 210
62															17' 225	17'6 215
63															17' 230	17'6 220
64																17'6 225
65																17'6 230