



**Date:** Fri, 27 Apr 2007 12:55:54 -0700

**From:** "Carradine, David" <carradine@wsu.edu>  Add to Address Book  Add Mobile Alert

**To:** sing747@yahoo.com

**CC:** "Gregory Johnson" <gregoryj\_singhomes@hotmail.com>

Hello Peter.

Here is the data for the 15 specimens we tested with the veneer (I also included an attachment with the data). I have not had time to analyze the miscellaneous other specimens we tested, but I will have that for you on Tuesday of next week along with some comparison numbers. I will be out of the office this afternoon, but back in Monday morning if you wish to discuss.

Specimen no.	Modulus (psi)	Rupture (psi)	Strain at failure	Maximum Load (lbs)
<b>Sing V-1</b>	607,614	1,267	0.0010	3,012
<b>Sing V-2</b>	678,001	1,342	0.0021	3,105
<b>Sing V-3</b>	602,638	1,271	0.0026	2,941
<b>Sing V-4</b>	766,856	2,074	0.0029	4,798
<b>Sing V-5</b>	654,665	1,063	0.0021	2,525
<b>Sing V-6</b>	641,413	1,450	0.0024	3,447
<b>Sing V-7</b>	644,241	1,280	0.0023	3,041
<b>Sing V-8</b>	643,958	1,295	0.0030	3,078
<b>Sing V-9</b>	639,714	1,532	0.0025	3,641
<b>Sing V-10</b>	638,969	1,214	0.0021	2,886
<b>Sing V-11</b>	645,197	1,454	0.0027	3,455
<b>Sing V-12</b>	623,170	1,485	0.0038	3,529
<b>Sing V-13</b>	695,771	1,229	0.0018	2,920
<b>Sing V-14</b>	620,593	1,179	0.0032	3,824
<b>Sing V-15</b>	532,315	1,385	0.0041	4,495
<b>Average</b>	642,341	1368	0.0026	3,380
<b>COV</b>	7.84%	17.02%	30.23%	18.28%

Regards,  
David

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## Testing of Sing Beams: Summary

<b>Specimen no.</b>	<b>Modulus (psi)</b>	<b>Rupture (psi)</b>	<b>Maximum Load (lbs)</b>
Sing V-1	607,614	1,267	3,012
Sing V-2	678,001	1,342	3,105
Sing V-3	602,638	1,271	2,941
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<b>Average</b>	<b>642,341</b>	<b>1368</b>	<b>3,380</b>
<b>COV</b>	<b>7.84%</b>	<b>17.02%</b>	<b>18.28%</b>

<b>Specimen no.</b>	<b>Modulus (psi)</b>	<b>Rupture (psi)</b>	<b>Maximum Load (lbs)</b>
Sing H-1	784,085	2,252	5,188
Sing H-2	850,539	3,222	7,846
Sing XH-1	888,155	3,468	8,460
Sing TV-1	708,841	1,031	1,160
Sing FH-1	734,079	669	951
Sing LOG-1	326,360	967	7,535
Sing LOG-2	317,387	711	5,097
Sing SHEAR-1	251,685	948	4,131
Sing SHEAR-2	328,127	1,324	5,696

Western Red Cedar 940,000 5,200

Douglas Fir (Interior) 1,160,000 6,800