

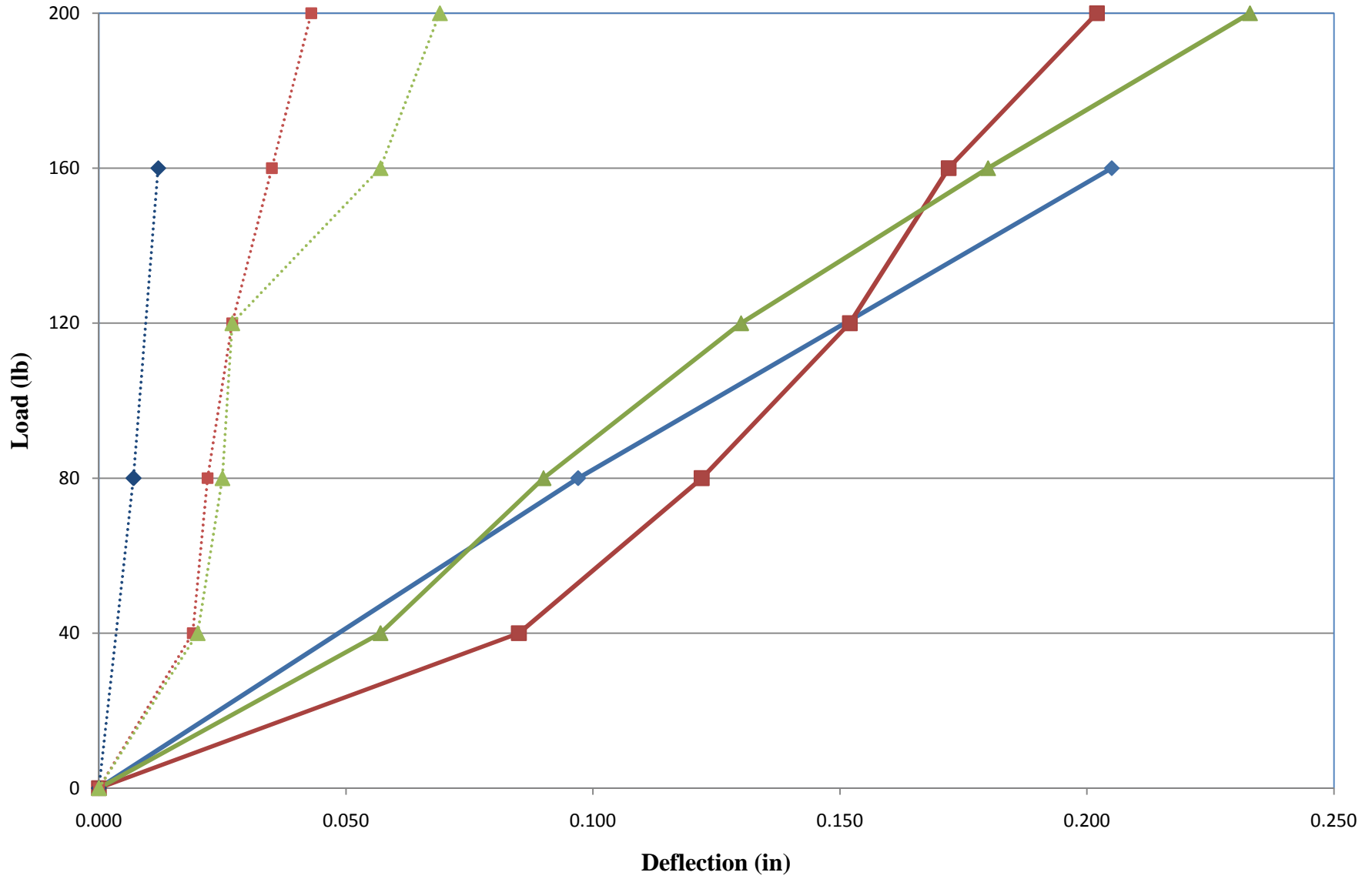
J Bracket Load Test

Date: 12.19.2008
 Product Name: Gerard Tile over batten
 Manufacturer: Gerard Roofing Technologies
 Coverage Area: 14.375" x 43.75"
 Gauge: 26 ga.
 Installation Description: Tile fastened to batten with (6) screws
 Batten fastened to counter batten with (1) screw per intersection
 J Bracket fastened to batten with (3) screws

Applied Load (lb)	J Bracket Deflection (in)		
	Test #1	Test #2	Test #3
0	0.000	0.000	0.000
25	0.023	0.040	0.028
0	0.002	0.000	0.010
50	0.046	0.074	0.052
0	0.003	0.007	0.015
75	0.086	0.115	0.084
0	0.009	0.027	0.016
100	0.131	0.156	0.124
0	0.016	0.043	0.018
125		0.203	0.185
0		0.053	0.032

Failure Mode	Panel Buckled	Panel Buckled	Panel Buckled
Maximum Load (lb)	118	133	127
Average Load (lb)	126		

Load vs Deflection



—◆— Test #1 —■— Test #2 —▲— Test #3 ···◆··· Test #1 Set ···■··· Test #2 Set ···▲··· Test #3 Set

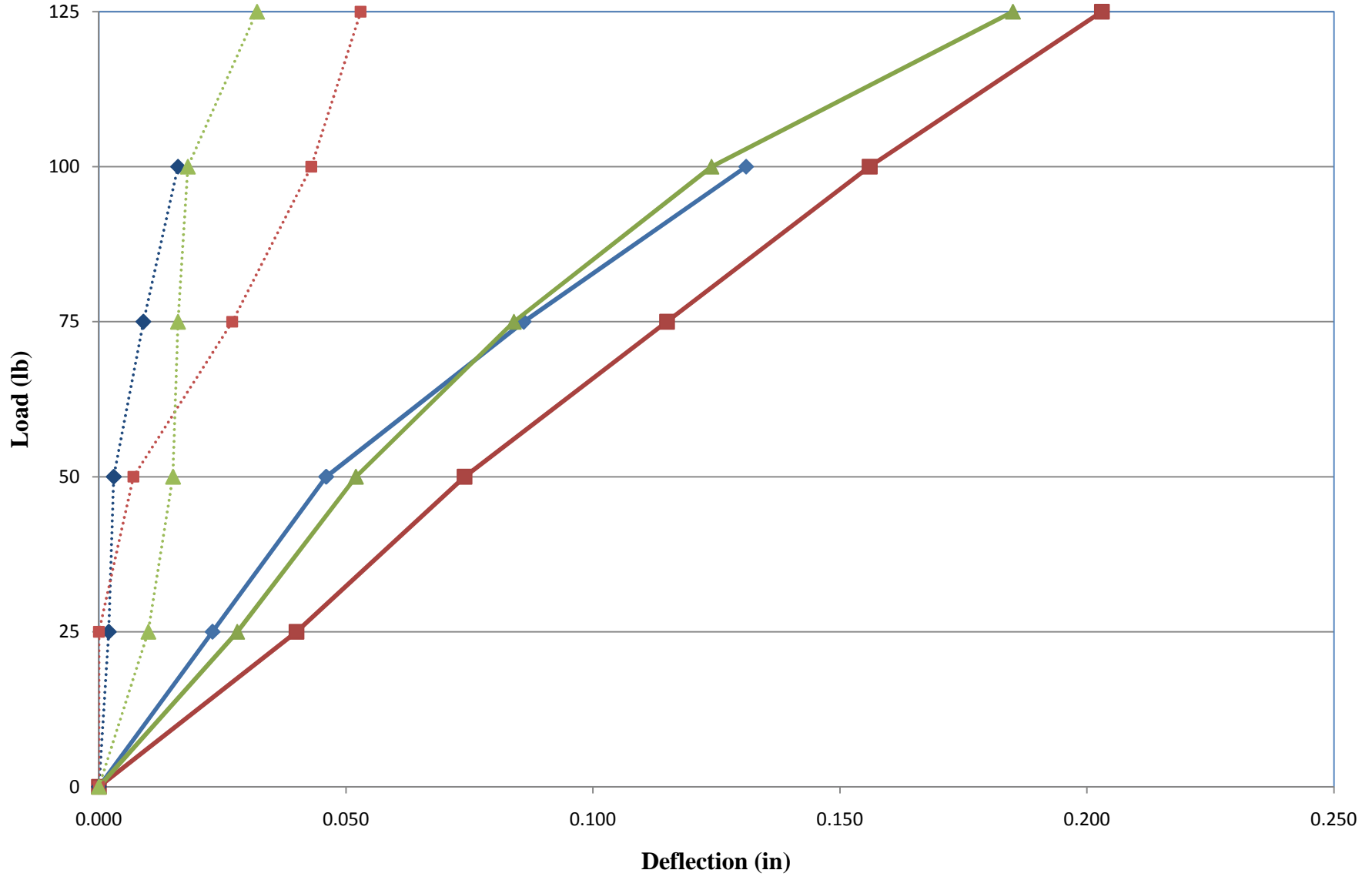
J Bracket Load Test

Date: 12.19.2008
 Product Name: Gerard Tile over batten and Insulform
 Manufacturer: Gerard Roofing Technologies
 Coverage Area: 14.375" x 43.75"
 Gauge: 26 ga.
 Installation Description: Tile fastened to batten with (6) screws.
 Batten fastened to counter batten with (1) screw per intersection.
 J Bracket fastened to batten with (3) screws.
 Insulform

Applied Load (lb)	J Bracket Deflection (in)		
	Test #1	Test #2	Test #3
0	0.000	0.000	0.000
40		0.085	0.057
0		0.019	0.020
80	0.097	0.122	0.090
0	0.007	0.022	0.025
120		0.152	0.130
0		0.027	0.027
160	0.205	0.172	0.180
0	0.012	0.035	0.057
200		0.202	0.233
0		0.043	0.069

Failure Mode	Bracket Buckled	Bracket Buckled	Bracket Buckled
Maximum Load (lb)	207	226	235
Average Load (lb)	223		

Load vs Deflection



—◆— Test #1 —■— Test #2 —▲— Test #3 ···◆··· Test #1 Set ···■··· Test #2 Set ···▲··· Test #3 Set