

ROB TWOMBLY

BeamChek v2008 licensed to: TOM BOUCHARD Reg # 8551-66881

BRAMBLEWOOD

GARAGE DOOR HEADER

Date: 2/27/17

Selection **(3) 2x 12 SPF #2** Lu = 0.0 Ft

Conditions NDS 2005
 Min Bearing Area R1= 3.1 in² R2= 3.1 in² (1.5) DL Defl= 0.51 in

Data

Beam Span	16.0 ft				
Beam Wt per ft	12.3 #	Reaction 1 TL	1298 #	Reaction 2 TL	1298 #
Bm Wt Included	197 #	Maximum V	1298 #		
Max Moment	5194 '#	Max V (Reduced)	1146 #		
TL Max Defl	L / 240	TL Actual Defl	L / 380		

Attributes

	Section (in ³)	Shear (in ²)	TL Defl (in)
Actual	94.92	50.63	0.51
Critical	71.23	12.74	0.80
Status	OK	OK	OK
Ratio	75%	25%	63%

Values

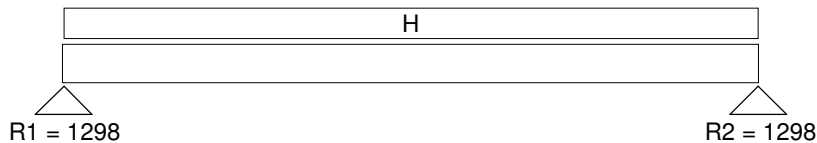
	Fb (psi)	Fv (psi)	E (psi x mil)	Fc _⊥ (psi)
Reference Values	875	135	1.4	425
Adjusted Values	875	135	1.4	425

Adjustments

CF Size Factor	1.000			
Cd Duration	1.00	1.00		
Cr Repetitive	1.00			
Ch Shear Stress		N/A		
Cm Wet Use	1.00	1.00	1.00	1.00
CI Stability	1.0000	Rb = 0.00	Le = 0.00 Ft	

Loads

	Par	Unif	TL	Start	End
	H			0	16.0



Uniform and partial uniform loads are lbs per lineal ft.