34 CHAMBERLAIN AVE

BeamChek v2014 licensed to: Village Builders, Inc. Reg # 6181-66018

Peter Keef project — Second fllor beam 9' span

Date: 7/23/15

Selection **(2) 1-3/4x 11-7/8 2.0E BC Versa-Lam 2800** — Lu = 0.0 Ft

Conditions NDS 2012

Min Bearing Area R1= 5.1 in² R2= 5.1 in² (1.5) DL Defl= 0.19 in

Data

Beam Span	9.0 ft				
Beam Wt per ft	10.68 #	Reaction 1 TL	3828 #	Reaction 2 TL	3828 #
Bm Wt Included	96 #	Maximum V	3828 #		
Max Moment	8613 '#	Max V (Reduced)	2986 #		
TL Max Defl	L / 240	TL Actual Defl	L / 561		

Attributes

	Section (in³)	Shear (in²)	TL Defl (in)
Actual	82.26	41.56	0.19
Critical	36.87	15.72	0 45
Status	OK	OK	OK
Ratio	45%	38%	43%

Values / *Adjustments*

	Fb (psi)	Fv (psi)	E (psi x mil)	Fc ⊥ (psi)
Reference Values	2800	285	2.0	750
Adjusted Values	2803	285	2.0	750
CF Size Factor	1.001			
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
Cl Stability	1.0000	Rb = 0.00	Le = 0.00 Ft	

Loads Uniform TL: 840 = A

STATE OF MAINE
DANIEL W. GRANT
No. 5933
LICENSED PROFESSIONAL ENGINEER

Uniform and partial uniform loads are lbs per lineal ft.