34 CHAMBERLAIN AVE

Inspections Division
Date: 09/10/15

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%

		Fb (psi)	Fv (psi)	E (psi x mil)	Fc ⊥ (psi)
Values	Reference Values	2800	285	2.0	750
	Adjusted Values	2803	285	2.0	750
Adjustments	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
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LICENSED PROFESSIONAL ENGINEER

Uniform and partial uniform loads are lbs per lineal ft.