

ROB TWOMBLY

BRAMBLE WOOD

FRONT PORCH CEIL HDR

Date: 2/28/17

<u>Selection</u>	(3) 2x 10 SPF #2	Lu = 0.0 Ft
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<u>Conditions</u>	NDS 2005	
	Min Bearing Area R1= 2.1 in ² R2= 2.1 in ² (1.5) DL Defl= <0.01 in.	

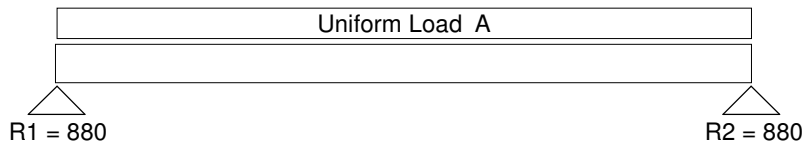
<u>Data</u>	Beam Span	8.0 ft	Reaction 1 LL	840 #	Reaction 2 LL	840 #
	Beam Wt per ft	10.11 #	Reaction 1 TL	880 #	Reaction 2 TL	880 #
	Bm Wt Included	81 #	Maximum V	880 #		
	Max Moment	1761 #	Max V (Reduced)	711 #		
	TL Max Defl	L / 240	TL Actual Defl	L / >1000		
	LL Max Defl	L / 360	LL Actual Defl	L / >1000		

<u>Attributes</u>	Section (in ³)	Shear (in ²)	TL Defl (in)	LL Defl
Actual	64.17	41.63	0.05	0.05
Critical	21.95	7.90	0.40	0.27
Status	OK	OK	OK	OK
Ratio	34%	19%	12%	17%

<u>Values</u>	Fb (psi)	Fv (psi)	E (psi x mil)	Fc _⊥ (psi)
Reference Values	875	135	1.4	425
Adjusted Values	963	135	1.4	425

<u>Adjustments</u>	CF Size Factor	1.100		
	Cd Duration	1.00	1.00	
	Cr Repetitive	1.00		
	Ch Shear Stress		N/A	
	Cm Wet Use	1.00	1.00	1.00
	CI Stability	1.0000	Rb = 0.00	Le = 0.00 Ft

Loads Uniform LL: 210 Uniform TL: 210 = A



SPAN = 8 FT

Uniform and partial uniform loads are lbs per lineal ft.