

February 24, 2020

Arlington County, Virginia
Inspection Services Division
2100 Clarendon Blvd., Suite 1000
Arlington, VA 22201

Re: Permit no. B1902229
5205 N. Carlin Springs Road

Dear Mr. Christopher Young

The following are responses to your review comments:

Comment #1 Answer: All proposed planter boxes has been added as shown and labeled on sheets A-102 & S-101.

Comment #2 Answer: Additional sheet has been added for the planter boxes' details. Please see sheet LDA001.

Comments #3 Answer: The beams for B-6 & B-7 has been changed to W8 x 18 steel beam. Please see structural drawings.

Comments #4 Answer: The wall bracing has been revised, please see sheet A-102.

Comments #5 Answer: The garage door header shall be (3) 1-3/4" x 16" LVL as shown on sheet S-103.

Comments #6 Answer: The new Existing Conditions/Demo Plans has been added to the new set of plans.

We are hoping that this letter will clear up all of the issues and our building permit release.

Sincerely,



Iky Tsao

GARAGE HEADER

BeamChek v2014 licensed to: JOS VENTURINA Reg # 4117-67943

5205 N. CARLIN SPRING ROAD

GARAGE HEADER

Prepared by: JAV

Date: 2/22/20

Selection **(3) 1-3/4x 16 1.9E TJ Microllam LVL** Lu = 0.0 Ft

Conditions NDS 2012
 Min Bearing Area R1= 5.2 in² R2= 5.2 in² (1.5) DL Defl= 0.08 in

Data

Beam Span	14.0 ft	Reaction 1 LL	2520 #	Reaction 2 LL	2520 #
Beam Wt per ft	21.58 #	Reaction 1 TL	3931 #	Reaction 2 TL	3931 #
Bm Wt Included	302 #	Maximum V	3931 #		
Max Moment	13759 #'	Max V (Reduced)	3182 #		
TL Max Defl	L / 240	TL Actual Defl	L / 996		
LL Max Defl	L / 360	LL Actual Defl	L / >1000		

Attributes

	Section (in ³)	Shear (in ²)	TL Defl (in)	LL Defl
Actual	224.00	84.00	0.17	0.09
Critical	66.04	16.75	0.70	0.47
Status	OK	OK	OK	OK
Ratio	29%	20%	24%	20%

Values

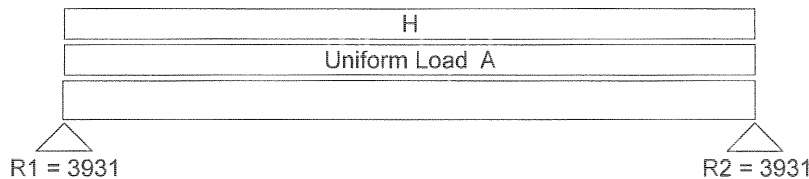
	Fb (psi)	Fv (psi)	E (psi x mil)	Fc _⊥ (psi)
Reference Values	2600	285	1.9	750
Adjusted Values	2500	285	1.9	750

Adjustments

CF Size Factor	0.962			
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

	Uniform LL: 330	Uniform TL: 495 = A	Start	End
	Par Unif LL	Par Unif TL		
	30	H = 45	0	14.0



SPAN = 14 FT

Uniform and partial uniform loads are lbs per lineal ft.