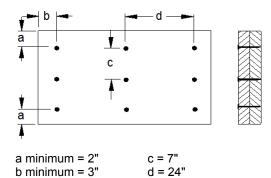
В	oise Cascade		[Dou	ble 1	-3/4"	x 18	3" VI	ERS	₹-LA	M®	2.0) 310) SP				P	ASSED
							FB	01 (F	loor E	Beam)								
	_C® Member	Report					Dry	1 spa	ın No	cant.	-					Dec	embe	er 6, 201	9 11:03:10
Build 7295																			
Job name: EVANS Address:					File name: P19-12002 Description: BEAM FB01 GAR									2					
Address: City, State, Zip:			Specifier:								001	•							
Builder: JE WOMBLE AND SON			•																
Code re	eports:	ESR-10	040						Cor	npany	/:	Lor	ngLeaf						
+		<u>+ +</u>		<u> </u>		<u>+</u> +	_ <u>t</u> _	+ +	, 2 . , 1 .	<u>+</u>	<u>+</u> +				<u>+</u> +		_ <u>t</u> _	<u>+</u> +	
+	$\overline{+}$	\downarrow \downarrow	$\overline{+}$	· •	¥	\downarrow \downarrow	¥	• • • •	0	+	\downarrow \downarrow	Ť	¥	\downarrow \downarrow	\downarrow \downarrow	Ť	+	+ +	\downarrow \downarrow
¥								18	3-08-00										
B1						Total H	orizon	tal Pro	oduct L	enath	= 18-0	08-00	0						B2
React	ion Summ	arv (D	own / U	plift)			0.1201			.ongin	- 10 0								
Bearing		Live)		Dead	d			now			w	/ind		R	oof Li	ive		
B1, 3-1			0/0			7/0			427 / (
B2, 3-1	/2"	224	0 / 0		343	7/0		2	427 / ()									
Load	Summary												Live	Dead	Snov	v v	Vind	Roof	Tributary
Tag De	escription		Load	Туре		Ref.	S	Start	Е	nd	Loc.		100%	90%	115%	61	60%	Live 125%	
	elf-Weight		Unf.			L	00-	00-00	18-0	00-8	Тор			18					00-00-00
	andard Load				(lb/ft²)	L		00-00		00-80	Тор		40	15					06-00-00
2			Unf.	Area	(lb/ft²)	L	00-	00-00	18-0	00-80	Тор			20	20				13-00-00
Contr	ols Summa	ary	Value		c	% Allow	/able		Duratio	n	Ca	ise	Loca	tion					
Pos. Mo		30802 ft-lbs				57.4%	115%			3									
End Shear		5605 lbs			40.7%			115%		:	3	01-09-08							
Total Load Deflection			L/404 (0.54")			89.0%			n\a			3	09-04-00						
Live Load Deflection		L/801 (0.273")			59.9%			n\a			6	09-04-00							
Max Defl.						54.0%	n\a				3	09-0	4-00						
Span / I	Depth		12.1																
							% All	ow	% AI	low									
	ng Suppor		n. (LxW)		Value		Supp		Mem	ber	Mat	teria	l						
B1	Wall/Plate		/2" x 3-1/2'		6937		n\a		75.5			-	cified						
B2	Wall/Plate	3-1/	/2" x 3-1/2'	•	6937	lbs	n\a		75.5	%	Un	speo	cified						
Notes				-4-11-		61 4 ¹													
-	meets User s meets User s																		
•	meets arbitra	•	• •																
•	tions assume	/																	
	_C® analysis		-																
	based on Dry																		

User Notes

This design is provided as a courtesy to the builder and does NOT guarantee a complete structural review of this project. Neither lateral nor seismic analysis has been considered. All bearing conditions, connections, spans, o.c. spacing, loading and product usages shall be verified by the builder and engineer of record. This design shall be reviewed, verified and approved by the builder, project engineer and local building department prior to ordering materials.

Boise Cascade	Double 1-3	8/4" x 18" VERSA-LAM®	® 2.0 3100 SP	PASSED								
FB01 (Floor Beam)												
BC CALC® Membe	er Report	Dry 1 span No cant.	December 6	6, 2019 11:03:10								
Build 7295												
Job name:	EVANS	File name:	P19-12002									
Address:		Description:	BEAM FB01 GARAGE DOOR									
City, State, Zip:		Specifier:										
Builder:	JE WOMBLE AND SON	Designer:	Mark Lovelace									
Code reports:	ESR-1040	Company:	LongLeaf									

Connection Diagram: Full Length of Member



Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

BC CALC®, BC FRAMER®, AJS™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, BC FloorValue®, VERSA-LAM®, VERSA-RIM PLUS®,