	Boise Ca	ISCADE®				Do	bub	le	1-3/4	4"	x 1	4" \	VEF	RSA-L	AI	M® 2	2.0	3100) SP				P	ASSED
PC (Mombo	r Dor	ort			Ro	of\l	Drop					DH(i19)		ropp	ed	Bean	ר)			l	v e 202	1 00.15.01
BC CALC® Member Report Build 7968				Dry 1 span No cant.													Ju	y 0, 202	1 08:45:21					
Job name:					File name: 27433A.mmdl																			
Address:						Description: Roof\Dropped Bea										ams\GDI	H(i1	19)						
-	State,	Zip:												Specifie										
-	tomer: e repor	te	FS	R-104	0									Design Compa										
000		13.		11-10-1	0									Compa	iiy.									
	F						4					-	6/	7		77		4		40			$\frac{12}{11}$	
		<u>+ +</u>	+	$\frac{+}{1}$, 1 	<u>+</u>	<u>+</u>	+	<u> </u>	+	+	<u> </u>			L		T		Ŷ		T	L		I I
	<u> </u>	• •	<u> </u>	•••	•	•	•	•	•	•	•	-		• •	•	•	-	•	•••	• •	•	•	• •	•••
	><																							~
⊁—													19-08	3-08										/
B1									Tota	I Ho	vrizou	ntal E		uct Leng	th =	10-08	-08							B2
Rea	actior	n Sumn	nary	(Do	wn /	Upl	ift)	(lb			/1201	itai r	Tour	uct Leng	un –	13-00	-00							
Bear	ing			Live		- [,	De	ad				Sno	w			Wi			Roc				
B1, 19"								13/0						567 / 1496			196							
B2, 1	22-1/2"							20	82 / 0								60	8 / 167	6	209	97	20		
Loa	ıd Su	mmary	,															Live	Dead	Snow	۷	Vind	Roof Live	Tributary
Tag	Descr					ad Ty				lef.		Start		End		Loc.		100%	90%	115%	1	60%	125%	
0		Veight				nf. Lir			L			-00-0		19-08-0		Тор			14					00-00-00
1		thed Loa	ld		Unf. Lin. (lb/ft)			L			-09-0		08-09-0 05-09-0		Top Top			209				219 0	n∖a n∖a	
4 6	D1(c6 D1(c6			Conc. Pt. (lbs)			L			-09-0 -09-0		09-09-0		Тор Тор			420				0 441	n\a n\a		
7	D1(c6	,		Conc. Pt. (lbs) Conc. Pt. (lbs)				L			-09-0 -09-0		11-09-0		Тор			420				441	n\a	
8	D1(c6	,		Conc. Pt. (lbs)			L			-09-0		13-09-0		Тор			404				415	n\a		
9	D1(c6						L			-09-0		13-09-0		Тор							-1	n\a		
10	D1(c6	,		Conc. Pt. (lbs)			L		15	-09-0	04	15-09-0		Тор			449				500	n\a		
11	D1(c6) Conc. Pt. (lbs				L		17	-09-0	04	17-09-0	4	Тор			445				509	n∖a				
12	D1(c6	5)			Co	onc. F	Pt. (I	bs)	L		17	-09-0	04	17-09-0	4	Тор							-19	n∖a
Со	ntrols	Sumn	nary	Va	lue				% All	lowa	able		Du	ration		Cas	е	Loca	tion					
Pos. Moment				14818 ft-lbs				42.2%						25%		1		09-09-04						
End Shear				3182 lbs				27.3%						25%		1		16-08-00						
Total Load Deflection				L/445 (0.441")				53.9% 40.1%			n∖a n∖a						`	09-09-04						
Live Load Deflection Max Defl.			L/898 (0.219") 0.441"				40.1%			n\a				139 1	9	09-09-04 09-09-04								
	n / Den.	oth		14					44.1	70			II\c	a		1		09-0	5-04					
Ros	rina	Suppo	rte	Dim. (~~~			Valu	•		% Al			% Allow		Mate	rial							
B1		Wall/Plat		19" x					9 lbs		Supp 8.3%			Member 8.0%		Unsp								
B2		Wall/Plat		22-1/2					9 lbs		7.3%			7.1%		Unsp								
Notes Design meets Code minimum (L/240) Total load deflection criteria.																								
	Design meets Code minimum (L/240) Total load deflection criteria.																							
	-	ets arbitr																						
	-	ets arbitr		,									a.											
BC (CALC®	analysi	s is b	ased c	n IBC	C 201	2.																	
		determi			-		met	ry w	ere us	sed	in se	elect	ed p	roduct's	vei	rificatio	on.							
Desi	gn bas	ed on Di	'y Se	rvice (ondi	tion.				_														

Calculations assume unbraced length of Top: 01-10-08, Bottom: 19-08-08.



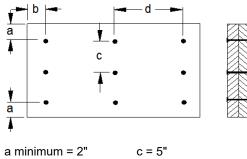
Double 1-3/4" x 14" VERSA-LAM® 2.0 3100 SP Roof\Dropped Beams\GDH(i19) (Dropped Beam)



July 8, 2021 08:45:21

BC CALC® Memb	er Report	Dry 1 span No cant.	July 8,
Build 7968			
Job name:		File name:	27433A.mmdl
Address:		Description:	Roof\Dropped Beams\GDH(i19)
City, State, Zip:		Specifier:	
Customer:		Designer:	
Code reports:	ESR-1040	Company:	

Connection Diagram: Full Length of Member



b minimum = 3" d = 24"

Calculated Side Load = 0.0 lb/ft 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®,