

Version 23.40.705 Powered by iStruct[™] Dataset: 23062201.1

is	Design		Client: Project: Address:	WEAVER	HOMES		h)ate: nput by: ob Nam	6/20/20 LENNY e: HIGHLA	NORRIS	6			Page 1 o
GDH 18'		o-S LVL	1.75	0" X 1	4.000"	2-Ply -		Project #	: Level: Leve	el				
		2												
• •	· ·	•	ingi i	•		• •	•		•	•	• •	•••	M	\uparrow
	- PART				and the second	11		-	- THE A		AL. T		Ŵ	1'2"
1 SPF End	l Grain 0-3-8									2	SPF End Grai	n 0-3-8		
[19'								. †13	1/2"
1					19'							1		
lember Inf	formation						Reactio	ns UN	PATTER	NED IL	o (Uplift)			
Туре:	Girder		Applicati		Floor		Ĭ	ection	Live		Dead	Snow	Wind	Co
Plies: Moisture Cond	2 lition: Dry		Design M Building		ASD IRC 2018		1 .	tical		0	2573	0	0	
Deflection LL:	480		Load Sh		No		2 Ver	tical	(D	2573	0	0	
Deflection TL:	360		Deck:	Ū.	Not Checked									
Importance:	Normal - II													
Temperature:	Temp <= 10	00°F					Desident							
							Bearing							
							Bearing	-			React D/L lb			Ld. Con
							1 - SPF End	3.500'	' Vert	25%	2573 / 0	2573	Uniform	D
nalysis Re	sults						Grain							
Analysis	Actual	Location	Allowed	Capacit	y Comb.	Case	2 - SPF	3.500'	' Vert	25%	2573 / 0	2573	Uniform	D
Moment	11641 ft-lb	9'6"	24299 ft-lb	0.479 (4		Uniform	End Grain							
Unbraced	11641 ft-lb	9'6"	11659 ft-lb	0.999	D	Uniform	Grain							
04	2404 /h	1716 1/0"	0400 lb	(100%)		l lucife une								
Shear	2191 lb	17'6 1/2"	9408 lb 999.000 (L/0	0.233 (2		Uniform								
LL Defl inch	0.000 (L/999) 0.477 (L/466)		0.618 (L/360	, · ·	,	Uniform								
		30 1/10	0.010 (£/300) 0.112 (1	170) D	Offiloffil	-							
esign Not	es oport to prevent la	teral moveme	at and rotation	at the end	hearings Late	aral support	4							
	e required at the ir				a bearings. Late	siai support								
2 Fasten all p to exceed 6	lies using 3 rows	of 10d Box na	ils (.128x3") a	at 12" o.c. N	Aaximum end d	listance not								
	, . t page of calculati	ions for fasten	ers required f	or specified	d loads.									
	designed to be su		•	e only.										
	nust be supported e laterally braced		-	0.0										
	st be laterally brac													
	derness ratio bas		•											
ID	Load Type		Location	Trib Width		Dead 0.9	Live		ow 1.15		1.6 Const.		omments	
1	Uniform				Тор	200 PLF	0 PL		0 PLF	0 P			BLE END	
2	Uniform				Тор	60 PLF	0 PL	.F	0 PLF	0 F	'LF 0	PLF DE	AD WALL	
	Self Weight					11 PLF								
lotes		chemi	cals			lat roofs provide p	proper drainage to	prevent	Manufactu	rer Info				
Calculated Structured structural adequacy of	Designs is responsible on of this component based	on the 1 IVI he	ng & Installation ams must not be cu		pondir	ng			Metsä Woo 301 Merritt		g, 2nd Floor			
lesign criteria and esponsibility of the c	loadings shown. It ustomer and/or the contra	is the 2 Refer actor to regard	to manufacture ing installation	's product i requirements,	multi-ply				Norwalk, C	T 06851	, 2na 1001			
pplication, and to veri	ent suitability of the i ify the dimensions and load	ds. approv	ng details, beam s als	trength values,	and code				(800) 622-5 www.metsa		n/us			
Lumber 1. Dry service condition	ons, unless noted otherwis	4. Design	ged Beams must not assumes top edge e lateral support a	is laterally restra	ained s to avoid								comt	
IVI not to be treat	ted with fire retardant or c	orrosive lateral	displacement and ro	otation		design is valid			1					CCH

1	Deet	I	Project:	R HOMES		In	ate: put by:		NORRIS	3			Page 1 of 1
IS	Design		Address:				ob Name roject #:	: HIGHL/	AND				
2852 TW	/IN Kert	o-S LVL	. 1.750" 2	K 9.250"	2-Ply		-	evel: Leve	el				
•		-	1.			•	•					M	
		- 12 in •	· .	all's The	AT .	-	-4					\mathbb{M}	91
	nd Grain 0-3-0				2 SPF E	nd Grain 0-3-	0						
			5'11"									1	3 1/2"
1			5'11"				1						
ember Inf	formation					Reaction	ns UNF	PATTER	NED IL) (Uplift)			
Туре:	Girder		Application:	Floor		Brg Dire	ection	Live	е	Dead	Snow	Wind	Cons
Plies: Moisture Conc Deflection LL: Deflection TL: Importance:	2 lition: Dry 480 360 Normal - II		Design Method: Building Code: Load Sharing: Deck:	ASD IRC 2018 No Not Checked		1 Vert 2 Vert			0 0	1403 1403	1382 1382	0 0	
Temperature:	Temp <= 10	0°F											
						Bearing Bearing 1 - SPF End	Length	Dir. Vert	Cap. 32%	React D/L lb 1403 / 1382	Total 2784	Ld. Case L	Ld. Comb D+S
nalysis Re		Location	Allowed Cons	eitre Comb		Grain 2 - SPF	3.000"	Vert	32%	1403 / 1382	2784	L	D+S
	Actual 3613 ft-lb 3613 ft-lb 1829 lb 0.028 (L/2388) 0.056 (L/1185)		14423 ft-lb 0.251 11027 ft-lb 0.328	(25%) D+S (33%) D+S (23%) D+S (20%) S	Case L L L L	End Grain			-				
esign Not				()		4							
 may also be Fasten all p to exceed 6 Refer to las Girders are Top loads m Top must be Bottom must 	e required at the in lies using 2 rows o ". t page of calculatio	terior bearings of 10d Box nail ons for fastene pported on the equally by all p t end bearings ed at end bear	s. ings. y width.	e. 2. Maximum end c ied loads.									
ID 1	Load Type Uniform	I	_ocation Trib Wid	Ith Side Top	Dead 0.9 467 PLF	Live 0 PLI		w 1.15 67 PLF	Wind 1 0 P	I.6 Const. 1		mments & B1 TRUSS	
I	Self Weight			юр	407 PLF	U PLI	- 41		U F		LF A3	& BT 18033	
	Designs is responsible only		us g & Installation	6. For f	lat roofs provide p	roper drainage to	prevent	Manufactu Metsä Woo			-		
ructural adequacy of esign criteria and esponsibility of the c soure the compone oplication, and to veri umber . Dry service condition	of this component based loadings shown. It i ustomer and/or the contra ent suitability of the in fy the dimensions and loads ons, unless noted otherwise	on the s the ctor to lended s. 2. Refer regardir fastenin approva 3. Damage 4. Design	ms must not be cut or drilled to manufacturer's product g installation requiremen g details, beam strength valu	ts, multi-ply es, and code estrained					7 Building T 06851 5850	ı, 2nd Floor n/us			
. LVL not to be treat	led with fire retardant or co		isplacement and rotation		design is valid	until 6/28/202	6					OMT	CH