isDesign	Client: Project: Address:	WEAVER		Date: Input by	6/20/2024 : LENNY NOF ne: LINDSAY 30			Page 1 of
	Audress.			Project #				
1/0 3/1 1/0 DOOR K	(erto-S LVL	1.750" X 9.25	0" 2-Ply	- PASSED	Level: Level			
	1							
		-	•	•				
1 SPF End Grain 0-3-0			2 SPF End Grain	0-3-0				
1	5'6						1	¶3 1/2"
Iember Information				Reactions UN) lh (Unlift)		
Type: Girder	Appli	cation: Floor		Brg Direction	Live	Dead	Snow Win	nd Cor
Plies:2Moisture Condition:DryDeflection LL:480Deflection TL:360Importance:Normal - II	Buildi Load Deck	In Method: ASD ng Code: IRC 2018 Sharing: No : Not Check	ted	1 Vertical 2 Vertical	0 0	1568 1568	1548 1548	0 0
Temperature: Temp <= 100°	Ϋ́F			Boarings				
				Bearings Bearing Leng 1 - SPF 3.000 End		ap. React D/L lb 5% 1568 / 1548		e Ld. Con D+S
nalysis Results				Grain				
AnalysisActualMoment3721 ft-lbUnbraced3721 ft-lbShear1965 lbLL Defl inch0.026 (L/2411)TL Defl inch0.051 (L/1198)		. ,	. Case L L L L L	2 - SPF 3.000 End Grain	" Vert 35	5% 1568 / 1548	3116 L	D+S
Pesign Notes	2.5 0.171 (E/G		-	1				
 Provide support to prevent later may also be required at the inte Fasten all plies using 2 rows of to exceed 6". Refer to last page of calculation Girders are designed to be supp Top loads must be supported et Top must be laterally braced at the 	perior bearings by the burner 10d Box nails (.128x3 as for fasteners require ported on the bottom e qually by all plies. end bearings. d at end bearings.	uilding code. ") at 12" o.c. Maximum en ed for specified loads.						
7 Bottom must be laterally braced8 Lateral slenderness ratio based	Location	Trib Width Side	Dead 0.9	Live 1 Sr	now 1.15 Wi	nd 1.6 Const. 1	.25 Comments	
		Тор	563 PLF	0 PLF	563 PLF	0 PLF 01	PLF A2 TRUSS	

is	Design		Client: Project: Address:	WEAVER				Date: Input by: Job Nam Project #	e: LINDSA	NORRIS	;			Page 1 of
GDH 18'	FL Kert	o-S LVL	1.75	0" X 14	l.000"	2-Ply -	PASS		Level: Leve	el				
		2												
		2												
• •	· · ·	• •	•	•	1	• • •	•	· ·	•	• •	•	• •	M	$\overline{1}$
	(right -	- 11 .			and the second	17	-		- Main	···	-		W	1'2"
1 SPF End	l Grain 0-3-8									23	SPF End Grai	n 0-3-8		,
1					19'							,	13	1/2"
1					19'								Í	
lember Inf	formation						Reaction	ons UN	PATTER	NED Ib	(Uplift)			
Туре:	Girder		Applicati		Floor			irection	Live		Dead	Snow	Wind	
Plies: Moisture Cond	2 lition: Drv		Design M Building		ASD IRC 2018		1 .	ertical ertical		0 D	2573 2573	0 0	0 0	
Deflection LL:	480		Load Sh		No		2 1	ertical		0	2575	U	0	
Deflection TL:	360		Deck:		Not Checked									
Importance:	Normal - II													
Temperature:	Temp <= 10	00°F					Bearin	ac						
							-	g Lengt	h Dir.	Can	React D/L lb	Total	Ld. Case	Ld. Corr
								F 3.500'		25%	2573 / 0		Uniform	D
							End	0.000	vort	2070	201010	2010	onnonn	D
nalysis Re	sults						Grain	- 0 - 00	, .	05%	0570 / 0	0570		5
Analysis	Actual		Allowed	Capacity	Comb.	Case	2 - SP End	F 3.500'	' Vert	25%	2573 / 0	2573	Uniform	D
Moment	11641 ft-lb		24299 ft-lb	0.479 (48	,	Uniform	Grain							
Unbraced	11641 ft-lb	9'6"	11659 ft-lb	0.999 (100%)	D	Uniform								
Shear	2191 lb	17'6 1/2"	9408 lb	0.233 (23	%) D	Uniform								
LL Defl inch	0.000 (L/999)	0	999.000 (L/0) 0.000 (0%	»)									
TL Defl inch	0.477 (L/466)	9'6 1/16"	0.618 (L/360)	0.772 (77	%) D	Uniform								
esign Not	es													
	port to prevent la e required at the in				bearings. Late	eral support	7							
,	lies using 3 rows	0	,	0	aximum end d	listance not								
to exceed 6		ana fan faatan		an an acific d	laada									
	t page of calculati designed to be si				iudus.									
	nust be supported													
	e laterally braced at be laterally brac			0.C.										
	derness ratio bas		-											
ID	Load Type		Location	Frib Width	Side	Dead 0.9	Liv	e 1 Sn	ow 1.15	Wind 1	.6 Const. 7	.25 Co	omments	
1	Uniform				Тор	200 PLF	0 F	PLF	0 PLF	0 P	LF 0	PLF GA	ABLE END	
2	Uniform				Тор	60 PLF	0 F	۲LF	0 PLF	0 P	LF 0	PLF DE	AD WALL	
	Self Weight					11 PLF								
lotes		chemic	als		6 For fi	at roofs provide p	proper drainage	to prevent	Manufactu	rer Info				
Calculated Structured	Designs is responsible on of this component based	ly of the Handlin	g & Installatio		pondir		,	,	Metsä Woo		and Elect	1		
lesign criteria and esponsibility of the c	loadings shown. It ustomer and/or the contr	is the 2. Refer actor to regardi	ams must not be cu to manufacturer ng installation	's product info requirements,	multi-ply				301 Merritt Norwalk, C	T 06851	, ∠na Floor			
application, and to veri	ent suitability of the i fy the dimensions and load	ntended fastenir ds. approv	ng details, beam s als	trength values, a	nd code				(800) 622-5 www.metsa		n/us			
Lumber 1. Dry service condition	ons, unless noted otherwis	4. Design	ed Beams must not assumes top edge a lateral support at	is laterally restrain	ied to avoid									
1)// not to be treed	ted with fire retardant or c	orrosive lateral	displacement and ro	tation		design is valid			1					CCH

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