	Client: Projec	t:		Date: Input by				Page 1 of
isDesign	Addres	SS:		Job Nan Project ;	ne: LINDSAY 30 #·	CAR		
1/0 3/1 1/0 DOOR	Kerto-S LVI	- 1.750" X 9.2	250" 2-Ply		Level: Level			
		1						
			4. 47	•				
1 SPF End Grain 0-3-0		5'6"	2 SPF End Grair	n 0-3-0			Į_	3 1/2"
<u>/</u>		5'6"					I	13 1/2
lember Information				Reactions UN	NPATTERNED) lb (Uplift)		
Type: Girder	A	oplication: Floor		Brg Direction		Dead	Snow Win	d Co
Plies:2Moisture Condition:DryDeflection LL:480Deflection TL:360Importance:Normal - II	Bu Lo Du	esign Method: ASD uilding Code: IRC 20 pad Sharing: No eck: Not Ch		1 Vertical 2 Vertical	0 0	1568 1568		0 0
Temperature: Temp <= 1	00°F			Poprings				
				Bearings Bearing Leng 1 - SPF 3.000 End		ap. React D/L lb 5% 1568 / 1548		e Ld. Con D+S
nalysis Results	i			Grain				
AnalysisActualMoment3721 ft-lbUnbraced3721 ft-lbShear1965 lbLL Defl inch0.026 (L/2411)TL Defl inch0.051 (L/1198)		ft-lb 0.258 (26%) D+8 ft-lb 0.323 (32%) D+8	S L S L S L L	2 - SPF 3.000 End Grain	" Vert 35	5% 1568 / 1548	3116 L	D+S
esign Notes	25 0.171			-1				
 Provide support to prevent la may also be required at the i Fasten all plies using 2 rows to exceed 6". Refer to last page of calculat Girders are designed to be s 	interior bearings by th s of 10d Box nails (.124 tions for fasteners req supported on the botto d equally by all plies. at end bearings. ced at end bearings.	e building code. 8x3") at 12" o.c. Maximum uired for specified loads. m edge only.						
5 Top loads must be supported6 Top must be laterally braced7 Bottom must be laterally brac8 Lateral slenderness ratio bas	sea on ongie pry wiut	on Trib Width Side	e Dead 0.9	Live 1 Sr	now 1.15 Wi	nd 1.6 Const. 1	1.25 Comments	
6 Top must be laterally braced7 Bottom must be laterally braced	Locati							

is	Design		Client: Project: Address:	WEAVER				Date: Input by: Job Nam Project #	e: LINDSA	NORRIS	i			Page 1 of
GDH 18'	FL Kert	o-S LVL	1.75	0" X 14	.000"	2-Ply -		,	Level: Leve	91				
		2												
		2												
					1								ш	
	(right -	-			an an	1. The	-	-	- THE -			-	M	1'2"
	• • • I Grain 0-3-8	•	•	•	•	•	•	•	•	2 5	• SPF End Grai	n 0-3-8	ш	<u> </u>
<u>}</u>					19'							,	· /3	1/2"
/					19'								/	
lember Inf Type:	formation Girder		Applicati	on [.]	-loor		F	ons UN irection	PATTER		(Uplift) Dead	Snow	Wind	Со
Plies:	2		Design N		ASD			ertical)	2573	0	0	001
Moisture Conc			Building		RC 2018		2 Ve	ertical	()	2573	0	0	
Deflection LL:	480		Load Sh	•	No									
Deflection TL: Importance:	360 Normal - II		Deck:	1	Not Checked									
Temperature:	Temp <= 1	00°F												
							Bearing	gs						
							Bearin	g Lengt	h Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Corr
							1 - SPI	= 3.500"	Vert	25%	2573 / 0	2573	Uniform	D
	•.						End Grain							
nalysis Re				i				= 3.500"	Vert	25%	2573 / 0	2573	Uniform	D
Analysis Moment	Actual 11641 ft-lb		Allowed 24299 ft-lb	Capacity 0.479 (48%	Comb.	Case Uniform	End						-	-
Unbraced	11641 ft-lb		11659 ft-lb	0.479 (485	D	Uniform	Grain							
-				(100%)										
Shear	2191 lb	17'6 1/2"		0.233 (23%		Uniform								
LL Defl inch	0.000 (L/999)		999.000 (L/0)			l lucife une								
	0.477 (L/466)	9.6 1/16	0.618 (L/360)) 0.772 (77%	%) D	Uniform	-							
esign Not		torol maxim	+ ond	of the could	oprinera I - 1	rol o/	4							
	port to prevent la required at the in				bearings. Late	rai support								
2 Fasten all p to exceed 6	lies using 3 rows	of 10d Box nai	ls (.128x3") a	it 12" o.c. Ma	iximum end d	istance not								
	t page of calculati	ions for fastene	ers required for	or specified I	oads.									
	designed to be su		•	e only.										
	nust be supported e laterally braced			0.0										
7 Bottom mus	st be laterally brac	ed at end bea	rings.											
	derness ratio bas		•		0.1	D 100	<u> </u>							
ID	Load Type		Location 7	Frib Width	Side	Dead 0.9	Live		ow 1.15		.6 Const. 1		omments	
1	Uniform				Тор	200 PLF	0 P		0 PLF	0 P				
2	Uniform				Тор	60 PLF	0 P	'LF	0 PLF	0 P	∟⊢ 0	PLF DE	AD WALL	
	Self Weight					11 PLF								
lotes		chemic	als			at roofs provide p	roper drainage	to prevent	Manufactu	rer Info				
Calculated Structured	Designs is responsible on of this component based	ly of the Handlin			pondir				Metsä Woo 301 Merritt		2nd Elect			
lesign criteria and esponsibility of the c	loadings shown. It ustomer and/or the contr	is the 2. Refer actor to regardi	to manufacturer	's product info requirements, r	nulti-ply				301 Merritt Norwalk, C	T 06851	, בווע דוטטו	L		
application, and to veri	ent suitability of the i fy the dimensions and load	ds. approv	ng details, beam s als	trength values, an	d code				(800) 622-5 www.metsa		n/us			
.umber Dry service condition 	ons, unless noted otherwis	4. Design	ed Beams must not assumes top edge a lateral support al	is laterally restraine	ed avoid									
	led with fire retardant or c	orrosive lateral	displacement and ro			design is valid								

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