	•	Client: SOUTHE	RN TOUCH		Da	ite:	6/8/2023					Page	1 of 2
		Project:			Inp	out by:	LENNY I	VORRIS					
is	Design	Address:			Jol	b Name	: WINDSC	R					
					Pro	oject #:							
GDH 18'	EL Kerto-S L	VI 1 750" X <sup>4</sup>	14 000" 2.	-Ply - I	PASSE	D	Level: Level						
			14.000 2-	-	AUUL								
		2											
			1										
• •					•	•		•	•		Π	-	
-			All in the second se				-	1.000			M		
The second			and a second	11	The second	-	A REAL PROPERTY.	The second second	Street and	The second	M	1'2'	"
	Grain					and the second se			2 SPE End	Grain		$\rightarrow$	
	Giain												
<i>†</i>			19'							/	13	1/2"	
/			10							/			
I			19							1			
Member In	formation				Reaction	s UN	PATTERN	IED Ib	(Uplift)				
Туре:	Girder	Application:	Floor		Brg Dire	ction	Live	 Г	Dead	Snow	Wind		Const
Plies:	2	Design Method:	ASD		1 Verti	cal	0		2573	0	0		0
Moisture Cond	dition: Dry	Building Code:	IBC/IRC 2015		2 Verti	cal	0		2573	0	0		0
Deflection LL:	480	Load Sharing:	No		2 001	our	Ŭ		2010	0	Ŭ		Ū
Deflection TL:	360	Deck:	Not Checked										
Importance:	Normal - II												
Temperature:	Temp <= 100°F			ļ									
-					Bearings								
				Ī	Bearing	Length	n Dir.	Cap. R	eact D/L lb	Total	Ld. Case	Ld. (	Comb.
					1 - SPF	3.500"	Vert	25%	2573 / 0	2573	Uniform	D	
					End								
Analysis Re	sults				Grain								
Analysis	Actual Locat	ion Allowed Capac	ity Comb.	Case	2 - SPF	3.500"	Vert	25%	2573 / 0	2573	Uniform	D	
Moment	11641 ft-lb	9'6" 24299 ft-lb 0.479 (	48%) D I	Uniform	End Grain								
Unbraced	11641 ft-lb 9	9'6" 11659 ft-lb 0.999	D	Uniform	Oram								
		(100%)											
Shear	2191 lb 17'6 1	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 I	Uniform									
Design Not	es.												
1 Provide sur	poort to prevent lateral mov	ement and rotation at the er	nd bearings. Lateral	support									
may also b	e required at the interior be	arings by the building code.											
2 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not													
3 Refer to las	t page of calculations for fa	steners required for specific	ed loads.										
4 Girders are	designed to be supported	on the bottom edge only.											
5 Top loads n	nust be supported equally b	oy all plies.											
6 Top must b	e laterally braced at a maxi	mum of 8'11 5/16" o.c.											
7 Bollom mus	derness ratio based on sin	ale nly width											
	Load Type	Location Trib Widt	h Side D	)ead 0 0	l ivo 1	Sno	w 1 15	Wind 1 4	6 Const 1	25 000	mmente		
1	Uniform		юр	200 PLF	UPLF		UPLF	UPLI	- 0P	LF GAI			
2	Uniform		Тор	60 PLF	0 PLF		0 PLF	0 PLF	- 0 P	LF DEA	AD WALL		
	Self Weight			11 PLF									
Netz		chomicala	6 F 8-4	ofe preside -	por drainers to	provent	Manufactur	er Info		Comtech			
NOTES Calculated Structured	Designs is responsible only of the Ha	Indling & Installation	b. For flat roo ponding	ois provide pro	per urainage to p	prevent	Metsä Wood	-		Reilly Roa USA	ad Industrial Park	P.O. Box	x 40408, N
structural adequacy of this component based on the 1. LVL beams must not be cut or drilled design criteria and loadings shown. It is the 2. Refer to manufacturer's product information					301 Merritt 7 Buildin			Building, 2	2nd Floor	28309 910-864-8	8787		
responsibility or the customer and/or the contractor to ensure the component suitability of the intended and to weight the dimensiones and loaded													
application, and to ver Lumber	ity the dimensions and loads. 3.	approvals Damaged Beams must not be used					www.metsav	vood.com/u	s				
1. Dry service conditi 2. LVI not to be tree	ons, unless noted otherwise 5.	Design assumes top edge is laterally res Provide lateral support at bearing point	trained hts to avoid							Ic	OMT	ec	ні
L. EVE NOT TO be itea		lateral displacement and rotation	This desi	sign is valid ι	until 11/3/2024								

Version 21.80.417 Powered by iStruct<sup>™</sup> Dataset: 22061001.1

-	C	ient: SOUTHERN TOUC	H Date	6/8/2023	Page 2 of 2
lisDesig	<b>3n</b> A	ddress:	1 doL	Jame: WINDSOR	
GDH 18' FL	Kerto-S LVL	1.750" X 14.000	" 2-Ply - PASSED	Level: Level	
· · ·	· · ·	· · · ·		· · · · ·	
1 SPF End Grain	· · · ·	· · · ·	· · · · ·	2 SPF Er	$\begin{array}{c} & & & \\ & & & \\ \hline \\ & & & \\ \\ & \\ \\ & & \\ \\ & \\ \\ & & \\ \\ \\ & \\ \\ & \\ \\ \\ & \\ \\ \\ & \\ \\ \\ & \\ \\ \\ & \\ \\ \\ \\ & \\$
}			19'		3 1/2"
<u> </u>			19'		
Julti-Ply Analysis					
asten all plies usin	g 3 rows of 10d Bc	x nails (.128x3") at 12"	o.c Maximum end distanc	e not to exceed 6".	
apacity ad	0.0 % 0.0 PLF				
eld Limit per Foot	245.6 PLF 81 9 lb				
eld Mode	IV				
lge Distance	1 1/2" 3"				
ad Combination	5				
uration Factor	1.00				
				Manufacturen luta	Comtach
Notes	chemicals	& Installation	<ol><li>For flat roofs provide proper drainage to prev ponding</li></ol>	Manutacturer Info	Reilly Road Industrial Park P.O. Box 40408,
tructural adequacy of this compo- lesign criteria and loadings	onent based on the 1. LVL beam shown. It is the 2 pofor to	s must not be cut or drilled		301 Merritt 7 Building, 2nd Floor	28309 910-864-8787
sponsibility of the customer and nsure the component suitability	or the contractor to y of the intended fastening	installation requirements, multi-ply details, beam strength values, and code		Norwaik, CT 06851 (800) 622-5850	
pplication, and to verify the dimens	ions and loads. approvals 3. Damaged	Beams must not be used		www.metsawood.com/us	
1. Dry service conditions, unless no 2. LVL not to be treated with fire ro	ted otherwise etardant or corrosive	sumes top edge is laterally restrained ateral support at bearing points to avoid			соттесн
	lateral dis	placement and rotation	This design is valid until 11/3/2024		